[0001] Uniquely Tagged Rearranged Adaptive Immune Receptor Genes In A Complex Gene Set

RELATED APPLICATIONS

[0002] This application claims the benefit of U.S. Provisional Application No. 61/789,408, filed on March 15, 2013, and International Application No. PCT/US2013/045994, filed on Jun. 14, 2013, which are both incorporated by reference in its entirety.

SEQUENCE LISTING

[0003] The instant application contains a Sequence Listing which has been submitted via EFS-Web and is hereby incorporated by reference in its entirety. Said ASCII copy, created on March 13, 2014, is named 26371PCT_CRF_sequencelisting.txt, and is 4,382,702 bytes in size.

BACKGROUND OF THE INVENTION

Technical Field

[0004] The present disclosure relates generally to quantitative high-throughput sequencing of adaptive immune receptor encoding DNA or RNA (*e.g.,* DNA or RNA encoding T cell receptors and immunoglobulins) in multiplexed nucleic acid amplification reactions. In particular, the compositions and methods described herein permit quantitative sequencing of DNA sequences encoding both chains of an adaptive immune receptor heterodimer in a single cell. Also disclosed herein are embodiments that overcome undesirable distortions in the quantification of adaptive immune receptor encoding sequences that can result from biased over-utilization and/or under-utilization of specific oligonucleotide primers in multiplexed DNA amplification.

Description of the Related Art

[0005] The adaptive immune system employs several strategies to generate a repertoire of T- and B-cell antigen receptors, *i.e.*, adaptive immune receptors, with sufficient diversity to recognize the universe of potential pathogens. The ability of T cells to recognize the universe of antigens associated with various cancers or infectious organisms is conferred by its T cell antigen receptor (TCR), which is a heterodimer of an α (alpha) chain from the TCRA locus and a β (beta) chain from the TCRB locus, or a heterodimer of a γ (gamma) chain from the TCRG locus and a δ (delta) chain from the TCRD locus. The proteins which make up these chains are encoded by DNA, which in lymphoid cells employs a unique rearrangement mechanism for generating the tremendous diversity of the TCR. This multi-subunit immune

recognition receptor associates with the CD3 complex and binds to peptides presented by the major histocompatibility complex (MHC) class I and II proteins on the surface of antigen-presenting cells (APCs). Binding of TCR to the antigenic peptide on the APC is the central event in T cell activation, which occurs at an immunological synapse at the point of contact between the T cell and the APC.

[0006] Each TCR peptide contains variable complementarity determining regions (CDRs), as well as framework regions (FRs) and a constant region. The sequence diversity of αβ T cells is largely determined by the amino acid sequence of the third complementarity-determining region (CDR3) loops of the α and β chain variable domains, which diversity is a result of recombination between variable (V_β), diversity (D_β), and joining (J_β) gene segments in the β chain locus, and between analogous V_α and J_α gene segments in the α chain locus, respectively. The existence of multiple such gene segments in the TCR α and β chain loci allows for a large number of distinct CDR3 sequences to be encoded. CDR3 sequence diversity is further increased by independent addition and deletion of nucleotides at the V_β-D_β, D_β-J_β, and V_α-J_α junctions during the process of TCR gene rearrangement. In this respect, immunocompetence is reflected in the diversity of TCRs.

[0007] The γδ TCR is distinctive from the αβ TCR in that it encodes a receptor that interacts closely with the innate immune system, and recognizes antigen in a non-HLA-dependent manner. TCRγδ is expressed early in development, and has specialized anatomical distribution, unique pathogen and small-molecule specificities, and a broad spectrum of innate and adaptive cellular interactions. A biased pattern of TCRγ V and J segment expression is established early in ontogeny. Consequently, the diverse TCRγ repertoire in adult tissues is the result of extensive peripheral expansion following stimulation by environmental exposure to pathogens and toxic molecules.

[0008] Immunoglobulins (Igs or IG) expressed by B cells, also referred to herein as B cell receptors (BCR), are proteins consisting of four polypeptide chains, two heavy chains (H chains) from the IGH locus and two light chains (L chains) from either the IGK (kappa) or the IGL (lambda) locus, forming an H_2L_2 structure. Both H and L chains contain complementarity determining regions (CDR) involved in antigen recognition, and a constant domain. The H chains of IGs are initially expressed as membrane-bound isoforms using either the IgM or IgD constant region isoform, but after antigen recognition the H chain constant region can class switch to several additional isotypes, including IgG, IgE and IgA. As with TCR, the diversity of naïve Igs within an individual is mainly determined by the

hypervariable complementarity determining regions (CDR). Similar to the TCR, the CDR3 domain of IGH chains is created by the combinatorial joining of the V_H, D_H, and J_H gene segments. Hypervariable domain sequence diversity is further increased by independent addition and deletion of nucleotides at the V_H-D_H, D_H-J_H, and V_H-J_H junctions during the process of Ig gene rearrangement. Distinct from TCR, Ig sequence diversity is further augmented by somatic hypermutation (SHM) throughout the rearranged IG gene after a naïve B cell initially recognizes an antigen. The process of SHM is not restricted to CDR3, and therefore can introduce changes in the germline sequence in framework regions, CDR1 and CDR2, as well as in the somatically rearranged CDR3.

[0009] As the adaptive immune system functions in part by clonal expansion of cells expressing unique TCRs or BCRs, accurately measuring the changes in total abundance of each clone is important to understanding the dynamics of an adaptive immune response. For instance, a healthy human has a few million unique TCRβ chains, each carried in hundreds to thousands of clonal T-cells out of the roughly trillion T cells in a healthy individual. Utilizing advances in high-throughput sequencing, a new field of molecular immunology has recently emerged to profile the vast TCR and BCR repertoires. Compositions and methods for the sequencing of rearranged adaptive immune receptor gene sequences and for adaptive immune receptor clonotype determination are described, for example, in Robins et al., 2009 *Blood* 114, 4099; Robins et al., 2010 *Sci. Translat. Med.* 2:47ra64; Robins et al., 2011 *J. Immunol. Meth.* doi:10.1016/j.jim.2011.09. 001; Sherwood et al. 2011 *Sci. Translat. Med.* 3:90ra61; U.S.A.N. 13/217,126 (US Pub. No. 2012/0058902), U.S.A.N. 12/794,507 (US Pub. No. 2010/0330571), WO/2010/151416, WO/2011/106738 (PCT/US2011/026373), WO2012/027503 (PCT/US2011/049012), U.S.A.N. 61/550,311, and U.S.A.N. 61/569,118, all herein incorporated by reference.

[0010] To date, several different strategies have been employed to sequence nucleic acids encoding adaptive immune receptors quantitatively at high throughput, and these strategies may be distinguished, for example, by the approach that is used to amplify the CDR3-encoding regions, and by the choice of sequencing genomic DNA (gDNA) or messenger RNA (mRNA).

[0011] Sequencing mRNA is a potentially easier method than sequencing gDNA, because mRNA splicing events remove the intron between J and C segments. This allows for the amplification of adaptive immune receptors (*e.g.*, TCRs or Igs) having different V regions and J regions using a common 3' polymerase chain reaction (PCR) amplification primer in

the C region. For each TCRβ, for example, the thirteen J segments are all less than 60 base pairs (bp) long. Therefore, splicing events bring identical polynucleotide sequences encoding TCRβ constant regions (regardless of which V and J sequences are used) to within less than 100 bp of the rearranged VDJ junction. The spliced mRNA can then be reverse transcribed into complementary DNA (cDNA) using poly-dT primers complementary to the poly-A tail of the mRNA, random small primers (usually hexamers or nonamers) or C-segment-specific oligonucleotides. This reverse transcription should produce an unbiased library of TCR cDNA (because all cDNAs are primed with the same oligonucleotide, whether poly-dT, random hexamer, or C segment-specific oligo) that may then be sequenced to obtain information on the V and J segment used in each rearrangement, as well as the specific sequence of the CDR3. Such sequencing could use single, long reads spanning CDR3 ("long read") technology, or could instead involve fractionating many copies of the longer sequences and using higher throughput shorter sequence reads.

[0012] Efforts to quantify the number of cells in a sample that express a particular rearranged TCR (or Ig) based on mRNA sequencing are difficult to interpret, however, because each cell potentially expresses different quantities of TCR mRNA. For example, T cells activated in vitro have 10-100 times as much mRNA per cell than quiescent T cells. To date, there is very limited information on the relative amount of TCR mRNA in T cells of different functional states, and therefore quantitation of mRNA in bulk does not necessarily accurately measure the number of cells carrying each clonal TCR.

[0013] Most T cells, on the other hand, have one productively rearranged TCRα and one productively rearranged TCRβ gene (or two rearranged TCRγ and TCRδ), and most B cells have one productively rearranged Ig heavy-chain gene and one productively rearranged Ig light-chain gene (either IGK or IGL) so quantification in a sample of genomic DNA encoding TCRs or BCRs should directly correlate with, respectively, the number of T or B cells in the sample. Genomic sequencing of polynucleotides encoding any one or more of the adaptive immune receptor chains, for instance, using the human TCRβ chain as a representative example, desirably entails amplifying with equal efficiency all of the many possible rearranged TCRβ encoding sequences that are present in a sample containing DNA from lymphoid cells of a subject, followed by quantitative sequencing, such that a quantitative measure of the relative abundance of each clonotype can be obtained.

[0014] Difficulties are encountered with such approaches, however, in that equal amplification and sequencing efficiencies may not be achieved readily, for example, for each

rearranged TCRβ encoding clone, where each clone employs one of 54 possible germline V region-encoding genes and one of 13 possible J region-encoding genes. The specific sequences of the highly diverse V and J segments in the TCRβ genomic locus vary widely among the large number of possible rearrangements that result from using different V or J genes, due to diversity-generating mechanisms such as those summarized above.

[0015] This sequence diversity yields complex DNA samples in which accurate determination of the multiple distinct sequences contained therein is hindered by technical limitations on the ability to quantify a plurality of molecular species simultaneously using multiplexed amplification and high throughput sequencing. In addition, it is difficult from existing methodologies to sequence quantitatively DNA or RNA encoding both chains of a TCR or IG heterodimer in a manner that permits determination that both chains originated from the same lymphoid cell.

[0016] One or more factors can give rise to artifacts that skew sequencing data outputs, compromising the ability to obtain reliable quantitative data from sequencing strategies that are based on multiplexed amplification of a highly diverse collection of TCR or IG gene templates. These artifacts often result from unequal use of diverse primers during the multiplexed amplification step. Such biased utilization of one or more oligonucleotide primers in a multiplexed reaction that uses diverse amplification templates may arise as a function of one or more of differences in the nucleotide base composition of templates and/or oligonucleotide primers, differences in template and/or primer length, the particular polymerase that is used, the amplification reaction temperatures (*e.g.*, annealing, elongation and/or denaturation temperatures), and/or other factors (*e.g.*, Kanagawa, 2003 *J. Biosci. Bioeng.* 96:317; Day et al., 1996 *Hum. Mol. Genet.* 5:2039; Ogino et al., 2002 *J. Mol. Diagnost.* 4:185; Barnard et al., 1998 *Biotechniques* 25:684; Aird et al., 2011 *Genome Biol.* 12:R18).

[0017] Clearly there remains a need for improved compositions and methods that will permit accurate quantification of adaptive immune receptor-encoding DNA and RNA sequence diversity in complex samples, in a manner that avoids skewed results such as misleading over- or underrepresentation of individual sequences due to biases in the utilization of one or more oligonucleotide primers in an oligonucleotide primer set used for multiplexed amplification of a complex template DNA population, and in a manner that permits determination of the coding sequences for both chains of a TCR or IG heterodimer that

originate from the same lymphoid cell. The presently described embodiments address this need and provide other related advantages.

SUMMARY OF THE INVENTION

[0018] The invention provides a method of identifying a plurality of cognate pairs comprising a first polypeptide and a second polypeptide that form an adaptive immune receptor heterodimer, said adaptive immune receptor heterodimer comprising a T cell receptor (TCR) or Immunoglobulin (IG) from a single clone in a sample, said sample comprising a plurality of lymphoid cells from a mammalian subject, said method comprising: distributing a plurality of lymphoid cells among a plurality of containers, each container comprising a plurality of lymphoid cells; generating a library of amplicons in said plurality of containers by performing multiplex PCR of cDNA molecules that have been reverse-transcribed from mRNA molecules obtained from said plurality of lymphoid cells, said library of amplicons comprising: i) a plurality of first adaptive immune receptor amplicons encoding said first polypeptide, each comprising a unique variable (V) region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence, and ii) a plurality of second adaptive immune receptor amplicons encoding said second polypeptide, each comprising a unique V region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence; performing high throughput sequencing of said library of amplicons to obtain a data set of a plurality of first and second adaptive immune receptor amplicon sequences.

[0019] The method includes determining a container occupancy pattern for each unique first adaptor immune receptor amplicon sequence by assigning each unique first adaptor immune receptor amplicon sequence to one or more containers, and a container occupancy pattern for each unique second adaptor immune receptor amplicon sequence by assigning each unique second adaptor immune receptor amplicon sequence to one or more containers, wherein each barcode sequence in said unique first or second adaptor immune receptor amplicon sequences is associated with a particular container. The method also includes for each possible pairing of a unique first and second adaptive immune receptor amplicon sequence to form a putative cognate pair, calculating a statistical probability of observing said container occupancy patterns, or observing any larger proportion of shared containers than expected by chance,

given that said first and second adaptor immune receptor amplicon sequences do not originate from the same clonal population of lymphoid cells, and identifying a plurality of a putative cognate pairs based on said statistical probability having a score lower than a predetermined likelihood cutoff.

[0020] The method includes for each identified putative cognate pair, determining a false discovery rate estimation for a possible false pairing of said unique first adaptor immune receptor amplicon sequence and said unique second adaptor immune receptor amplicon sequence; and identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs that encode said adaptive immune receptors in said sample based on said statistical probability and said false discovery rate estimation.

[0021] In some embodiments, the statistical score comprises a p-value calculated for pairing each putative cognate pair of unique first and second adaptive immune receptor amplicon sequences. In one embodiment, calculating the statistical score comprises calculating a probability that said unique first and second adaptive immune receptor amplicon sequences should jointly occupy as many or more containers than they are observed to jointly occupy, assuming no true cognate pairing and given the number of containers occupied by said unique first adaptive immune receptor amplicon sequence and the number of containers occupied by said unique second adaptive immune receptor amplicon sequence.

[0022] In another embodiment, identifying a plurality of a putative cognate pairs that have a high likelihood of pairing based on said statistical probability comprises for each unique first adaptor immune receptor amplicon sequence identifying the unique second adaptor immune receptor amplicon sequence that has the lowest p-value score of matching, or for each unique second adaptor immune receptor amplicon sequence finding the unique first adaptor immune receptor amplicon sequence that has the lowest p-value score of matching.

[0023] In other embodiments, determining a false discovery rate estimation comprises: calculating p-values for each of said plurality of putative cognate pairs identified in said sample; comparing the p-values for all of said plurality of putative cognate pairs with an expected p-value distribution, said expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of said putative cognate pair are determined to represent a true cognate pairing.

[0024] In certain embodiments, calculating said expected p-value distribution comprises: permuting the containers in which each first and second adaptive immune receptor sequence has been observed in an otherwise-identical experiment with no true cognate pairs, and calculating the distribution of p-values associated with each putative cognate pair.

[0025] In some embodiments, the method includes identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs by selecting a plurality of putative cognate pairs that have p-values below a threshold calculated based on said false discovery rate estimation.

[0026] In one embodiment, the identified cognate pair of unique first and second adaptive immune receptor amplicon sequences has a false discovery rate estimation of less than 1%.

[0027] In another embodiment, contacting each of said plurality of containers, under conditions and for a time sufficient to promote reverse transcription of mRNA molecules obtained from said plurality of lymphoid cells, with a first reverse transcription primer set. In certain embodiments, the (A) first oligonucleotide reverse transcription primer set comprises primers capable of reverse transcribing a plurality of mRNA sequences encoding said plurality of first and second adaptive immune receptor polypeptides for generating a plurality of first and second reverse-transcribed adaptive immune receptor cDNA amplicons, wherein said plurality of first reverse-transcribed adaptive immune receptor cDNA amplicons encoding said first adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, andwherein said plurality of second reverse-transcribed adaptive immune receptor cDNA amplicons encoding said second adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence.

[0028] In certain aspects, the method includes contacting each of said plurality of containers, under conditions and for a time sufficient to promote a multiplex PCR amplification of said first and second reverse-transcribed adaptive immune receptor cDNA amplicons with a second (B) and third (C) oligonucleotide primer sets. In some aspects, the (B) second oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of first reverse-transcribed adaptor immune receptor cDNA amplicons, wherein said forward and reverse primers each are capable of hybridizing to said first reverse-transcribed adaptive immune receptor cDNA amplicons. In one aspect, each pair of forward and reverse

primers in said second oligonucleotide primer set is capable of amplifying said first reverse-transcribed adaptive immune receptor cDNA amplicons. In another aspect, the forward primers in said second oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence. In other aspects, the reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence or said C region encoding gene sequence. In another aspect, the (C) third oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of reverse-transcribed second adaptive immune receptor cDNA amplicons. In one embodiment, each pair of forward and reverse primers in said third oligonucleotide primer set is capable of amplifying said second reverse-transcribed adaptive immune receptor cDNA amplicons. In one aspect, the forward primers in said third oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence. In some aspects, the reverse primers in said third oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence or complementary to said C region encoding gene sequence.

[0029] The method also includes generating i) a plurality of third adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences, and ii) a plurality of fourth adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences.

[0030] In another embodiment, the method includes contacting each of said plurality of containers, under conditions and for a time sufficient to promote a second multiplex PCR amplification of said plurality of third and fourth adaptive immune receptor amplicons with a fourth (D) oligonucleotide primer set and fifth (E) oligonucleotide primer set. In one embodiment, the (D) fourth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of third adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said third adaptive immune receptor amplicons. In one aspect, each pair of forward and reverse

primers in said fourth oligonucleotide primer set is capable of amplifying said third adaptor immune receptor amplicons. In another aspect, the forward primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of third adaptive immune receptor amplicon and said reverse primer comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of third adaptive immune receptor amplicons. In another embodiment, either one or both of said forward and reverse primers in said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced.

[0031] In one embodiment, the (E) fifth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of fourth adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said fourth adaptive immune receptor amplicons. In one embodiment, each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said plurality of fourth adaptor immune receptor amplicons. In another embodiment, the forward primer in said fifth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons, and said reverse primer in said fifth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons. In other embodiments, either one or both of said forward and reverse primers of said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced, thereby generating said library of amplicons comprising said plurality of first adaptive immune receptor amplicons and said plurality of second adaptive immune receptor amplicons.

[0032] In one aspect, the method includes combining said library of amplicons from said plurality of containers into a mixture for sequencing. In another aspect, the plurality of first adaptive immune receptor amplicons comprise a C region encoding sequence. In some aspects, the plurality of second adaptive immune receptor amplicons comprise a C region encoding sequence.

[0033] In one embodiment, the sample comprises a blood sample. In another embodiment, the sample comprises a tissue sample. In certain embodiments, the sample comprises a

sample purified or cultured human lymphoid cells. In other embodiments, the container comprises at least 10^4 lymphoid cells. In another embodiment, the sample comprises at least 10^4 cells.

[0034] In certain aspects, the first polypeptide of said adaptive immune receptor heterodimer is a TCR alpha (TCRA) chain and the second polypeptide of said adaptive immune receptor heterodimer is a TCR beta (TCRB) chain. In one aspect, first polypeptide of the adaptive immune receptor heterodimer is a TCR gamma (TCRG) chain and said second polypeptide of said adaptive immune receptor heterodimer is a TCR delta (TCRD) chain. In another aspect, the first polypeptide of said adaptive immune receptor heterodimer is an immunoglobulin heavy (IGH) chain and said second polypeptide of the adaptive immune receptor heterodimer is selected from an immunoglobulin light IGL or an IGK chain. In yet another aspect, if the first polypeptide of the adaptive immune receptor heterodimer is an IGH chain and the second polypeptide of the adaptive immune receptor heterodimer is both IGL and IGK, then three different amplification primer sets are used comprising: a first oligonucleotide amplification primer set for IGH, a second oligonucleotide amplification primer set for IGK, and a third oligonucleotide amplification primer set for IGL.

[0035] The invention provides a method of identifying a plurality of cognate pairs comprising a first polypeptide and a second polypeptide that form an adaptive immune receptor heterodimer, said adaptive immune receptor heterodimer comprising a T cell receptor (TCR) or Immunoglobulin (IG) from a single clone in a sample, said sample comprising a plurality of lymphoid cells from a mammalian subject. The method includes distributing a plurality of lymphoid cells among a plurality of containers, each container comprising a plurality of lymphoid cells and generating a library of amplicons in said plurality of containers by performing multiplex PCR of genomic molecules obtained from said plurality of lymphoid cells. The library of amplicons comprises i) a plurality of first adaptive immune receptor amplicons encoding said first polypeptide, each comprising a unique variable (V) region encoding sequence, a unique J region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence, and ii) a plurality of second adaptive immune receptor amplicons encoding said second polypeptide, each comprising a unique V region encoding sequence, a unique J region encoding, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence.

[0036] The method includes performing high throughput sequencing of said library of amplicons to obtain a data set of a plurality of first and second adaptive immune receptor amplicon sequences and determining a container occupancy pattern for each unique first adaptor immune receptor amplicon sequence by assigning each unique first adaptor immune receptor amplicon sequence to one or more containers, and a container occupancy pattern for each unique second adaptor immune receptor amplicon sequence by assigning each unique second adaptor immune receptor amplicon sequence to one or more containers, wherein each barcode sequence in said unique first or second adaptor immune receptor amplicon sequences is associated with a particular container.

[0037] In some embodiments, the method includes for each possible pairing of a unique first and second adaptive immune receptor amplicon sequence to form a putative cognate pair, calculating a statistical probability of observing said container occupancy patterns, or observing any larger proportion of shared containers than expected by chance, given that said first and second adaptor immune receptor amplicon sequences do not originate from the same clonal population of lymphoid cells. In some embodiments, the method includes identifying a plurality of a putative cognate pairs based on said statistical probability having a score lower than a predetermined likelihood cutoff.

[0038] In other embodiments, the method includes for each identified putative cognate pair, determining a false discovery rate estimation for a possible false pairing of said unique first adaptor immune receptor amplicon sequence and said unique second adaptor immune receptor amplicon sequence.

[0039] In one embodiment, the method includes identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs that encode said adaptive immune receptors in said sample based on said statistical probability and said false discovery rate estimation.

[0040] In other embodiments, the statistical score comprises a p-value calculated for pairing each putative cognate pair of unique first and second adaptive immune receptor amplicon sequences. In other embodiments, the step of calculating said statistical score comprises calculating a probability that said unique first and second adaptive immune receptor amplicon sequences should jointly occupy as many or more containers than they are observed to jointly occupy, assuming no true cognate pairing and given the number of containers occupied by said unique first adaptive immune receptor amplicon sequence and the number of containers occupied by said unique second adaptive immune receptor amplicon sequence.

[0041] In another embodiment, the method includes identifying a plurality of a putative cognate pairs that have a high likelihood of pairing based on said statistical probability comprises for each unique first adaptor immune receptor amplicon sequence identifying the unique second adaptor immune receptor amplicon sequence that has the lowest p-value score of matching, or for each unique second adaptor immune receptor amplicon sequence finding the unique first adaptor immune receptor amplicon sequence that has the lowest p-value score of matching.

[0042] In other embodiments, the step of determining a false discovery rate estimation comprises: calculating p-values for each of said plurality of putative cognate pairs identified in said sample; comparing the p-values for all of said plurality of putative cognate pairs with an expected p-value distribution, said expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of said putative cognate pair are determined to represent a true cognate pairing.

[0043] In one embodiment, the step of calculating said expected p-value distribution comprises: permuting the containers in which each first and second adaptive immune receptor sequence has been observed in an otherwise-identical experiment with no true cognate pairs, and calculating the distribution of p-values associated with each putative cognate pair.

[0044] In another aspect, the method includes identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs by selecting a plurality of putative cognate pairs that have p-values below a threshold calculated based on said false discovery rate estimation.

[0045] In one embodiment, an identified cognate pair of unique first and second adaptive immune receptor amplicon sequences has a false discovery rate estimation of less than 1%.

[0046] In another embodiment, the method includes contacting each of said plurality of containers, under conditions and for a time sufficient to promote a multiplex PCR amplification of said first and second adaptive immune receptor cDNA amplicons with a first (A) and second (B) oligonucleotide primer sets. In one embodiment, the (A) first oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of first adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said first adaptive immune receptor amplicons. In

one aspect, each pair of forward and reverse primers in said first oligonucleotide primer set is capable of amplifying said first adaptive immune receptor amplicons. In another aspect, the forward primers in said first oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence. In one aspect, the reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence.

[0047] In another aspect, the (B) second oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of second adaptive immune receptor amplicons. In one embodiment, each pair of forward and reverse primers in said second oligonucleotide primer set is capable of amplifying said second adaptive immune receptor amplicons. In another embodiment, the forward primers in said second oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence. In another aspect, the reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence.

[0048] In some embodiments, the method also includes generating i) a plurality of third adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences, and ii) a plurality of fourth adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences.

[0049] The method also includes the step of contacting each of said plurality of containers, under conditions and for a time sufficient to promote a second multiplex PCR amplification of said plurality of third and fourth adaptive immune receptor amplicons with a third (C) oligonucleotide primer set and fourth (D) oligonucleotide primer set. In one embodiment, the (C) third oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of third adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said third adaptive immune receptor amplicons. In another embodiment, each pair of forward and reverse primers in said third oligonucleotide primer set is capable of amplifying said second adaptor immune receptor amplicons. In yet another embodiment, the forward primer in said third oligonucleotide

primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of third adaptive immune receptor amplicon and said reverse primer in said third oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of second adaptive immune receptor amplicons. In one aspect, either one or both of said forward and reverse primers in said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said third oligonucleotide primer set is introduced.

[0050] In another aspect, the (D) fourth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of fourth adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said fourth adaptive immune receptor amplicons. In one embodiment, each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said plurality of fourth adaptor immune receptor amplicons. In some embodiments, the forward primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons, and said reverse primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons. In yet another embodiment, either one or both of said forward and reverse primers of said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced, thereby generating said library of amplicons comprising said plurality of first adaptive immune receptor amplicons and said plurality of second adaptive immune receptor amplicons.

[0051] In other embodiments, the method includes combining said library of amplicons from said plurality of containers into a mixture for sequencing.

[0052] In some embodiments, the sample comprises a blood sample. In one embodiment, the sample comprises a tissue sample. In another embodiment, the sample comprises a sample purified or cultured human lymphoid cells. In some embodiments, each container comprises at least 10^4 lymphoid cells. In other embodiments, the sample comprises at least 10^4 cells.

[0053] In other embodiments, the first polypeptide of said adaptive immune receptor heterodimer is a TCR alpha (TCRA) chain and the second polypeptide of said adaptive

immune receptor heterodimer is a TCR beta (TCRB) chain. In some embodiments, the first polypeptide of the adaptive immune receptor heterodimer is a TCR gamma (TCRG) chain and said second polypeptide of said adaptive immune receptor heterodimer is a TCR delta (TCRD) chain. In another embodiment, the first polypeptide of said adaptive immune receptor heterodimer is an immunoglobulin heavy (IGH) chain and said second polypeptide of the adaptive immune receptor heterodimer is selected from an immunoglobulin light IGL or an IGK chain. In other embodiments, if the first polypeptide of the adaptive immune receptor heterodimer is an IGH chain and the second polypeptide of the adaptive immune receptor heterodimer is both IGL and IGK, then three different amplification primer sets are used comprising: a first oligonucleotide amplification primer set for IGH, a second oligonucleotide amplification primer set for IGK, and a third oligonucleotide amplification primer set for IGL.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0054] These and other features, aspects, and advantages of the present invention will become better understood with regard to the following description, and accompanying drawings, where:

[0055] Figure (FIG.) 1 depicts a schematic representation of certain herein described compositions and methods. U1 and U2 represent universal adaptor oligonucleotides. BC1 and BC2 represent barcode oligonucleotides. J represents an adaptive immune receptor joining (J) region gene and Jpr represents a region of such a gene to which a J-specific oligonucleotide primer specifically anneals. V represents an adaptive immune receptor variable (V) region gene and Vpr represents a region of such a gene to which a V-specific oligonucleotide primer specifically anneals. NDN represents the diversity (D) region found in some adaptive immune receptor encoding genes, flanked on either side by junctional nucleotides (N) which may include non-templated nucleotides. Adap1 and Adap2 represent sequencing platform-specific adapters. The segment shown as "n6" represents a spacer nucleotide segment of any nucleotide sequence, in this case, a spacer of six randomly selected nucleotides.

[0056] FIG. 2 depicts a schematic representation of certain herein described compositions and methods in which individual first and second microdroplets are contacted to permit fusion events between single first and second microdroplets, by which fusion events DNA from individual lymphoid cells (*e.g.,* T or B cells) is introduced, within a fused microdroplet, to first and second oligonucleotide amplification primer sets that are capable of amplifying,

respectively, DNA encoding sequences (*e.g.*, CDR3 encoding DNA) of first and second adaptive immune receptor polypeptide encoding genes from the same cell. Amplification and oligonucleotide barcode labeling of at least two rearranged DNA loci from the same cell are thus contemplated as described herein, *e.g.*, [IGH + IGL], [IGH + IGK], [IGH + IGK + IGL], [TCRA + TCRB], [TCRG + TCRG], *etc.*

[0057] FIG. 3 depicts an exemplary schematic representation of certain herein described compositions and methods according to which, for example, DNA from individual lymphoid cells (*e.g.*, T or B cells), or cDNA that has been reverse transcribed from mRNA of single lymphoid cells, is introduced, within a fused microdroplet, to first and second oligonucleotide amplification primer sets that are capable of amplifying, respectively, DNA encoding sequences (*e.g.*, CDR3 encoding DNA) of first and second adaptive immune receptor polypeptide encoding genes from the same cell, after which the individual microdroplets are disrupted (*e.g.*, by chemical, physical and/or mechanical dissolution, dissociation, breakage, etc.) and the released bar-coded double-stranded DNAs are amplified with universal oligonucleotide primers and sequencing platform-specific adapters to permit large-scale multiplexed quantitative sequencing. See Brief Description of Fig. 1 for abbreviations.

[0058] FIG. 4 depicts a schematic representation of labeling adaptive immune receptor polypeptide encoding cDNA during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences into cDNA.

[0059] FIG. 5 depicts a schematic representation of labeling adaptive immune receptor polypeptide encoding cDNA during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences into cDNA.

[0060] FIG. 6 presents a schematic representation of a DNA product that is amenable to sequencing following modification with Illumina sequencing adapters of amplified adaptive immune receptor polypeptide encoding cDNA that has been labeled during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences.

[0061] FIG. 7 shows the number of occupied T cell subsets vs. probability of shared subsets. For a simulated experiment using the methods of the invention, in which T cells are divided into 96 subsets containing 70,000 T cells each, this plot gives the probability (y-axis) that *any* clones present in a given number of subsets (x-axis) will occur in exactly the same subsets.

[0062] FIG. 8 shows a fixed number of T cells (e.g., 70,000 T cells) that are randomly allocated to each well on a 96-well plate, where the mRNA is extracted, converted to cDNA, and amplified by TCR-specific primers. Well-specific bar codes are attached and the TCR molecules are pooled for sequencing, followed by computational de-multiplexing to map each TCR sequence back to the wells in which it originated. The immune repertoire is highly diverse, and the probability that two clones will share a well pattern is miniscule, so any TCRA/TCRB pair that shares a well pattern can be inferred to have come from the same clone.

[0063] FIGs. 9A and 9B show the result of a high-throughput pairing experiment, according to an embodiment of the invention. FIG. 9A shows false discovery rate curve for the high-throughput pairing experiment with 96 wells and 70,000 T cells per well. A total of 34,763 pairs of TCR sequences were called with FDR<1% (red dotted line). FIG. 9B shows numbers of sequenced (light grey) and paired (dark) TCRB clones as a function of well occupancy. The inset provides a zoomed-in view of clones seen in >20 wells.

[0064] FIG. 10 shows an exemplary workflow for a high-throughput pairing experiment, according to an embodiment of the invention.

[0065] FIG. 11 shows the well occupancy vs. fraction of paired TCRB sequences, according to an embodiment of the invention. Pairing yield (fraction of paired sequences) for TCRB clones from a high-throughput pairing experiment with 96 wells and 70,000 T cells per well. TCRB clones were grouped by the number of wells in which they were observed (x-axis), and the fraction of these sequences that were paired at FDR<1% were computed (y-axis).

[0066] FIG. 12 shows a schematic of two-subject validation experiment, according to an embodiment of the invention. Peripheral blood is collected from two subjects, X and Y. Deep immunosequencing is used to characterize the TCRA and TCRB repertoire of each subject. PBMCs from the two subjects are then mixed, and the resulting mix is used to perform a high-throughput pairing experiment of the invention. True-positive pairs must include a TCRA and a TCRB from the same subject, while approximately half of false-positive results will be cross-subject TCRA/TCRB pairs.

[0067] FIGs. 13A and 13B show validation of the high-throughput pairing approach using two donors. In FIG. 13A, false discovery rate curves for an experiment are shown in which PBMCs from two subjects ('X' and 'Y') were mixed and 25,000 cells were dispensed to each of 96 wells. Pairs are split into groups named 'X/X' (both members of a pair seen only in Subject X), 'Y/Y' (both members of a pair seen only in Subject Y), and 'X/Y' (one member

of a pair seen only in Subject X and one member seen only in Subject Y). The dotted vertical line shows the cutoff for an estimated FDR<1%; below this threshold, there are 1,115 X/X pairs, 706 Y/Y pairs, and 7 X/Y pairs. In FIG. 13B, the predicted versus empirical $\log_{10}$ FDR from the sample-mixing experiment are shown. For each possible p-value cutoff, a predicted FDR value was provided by statistical methods of the invention and an empirical FDR value was computed as twice the number of X/Y pairs divided by the number of called pairs, under the assumption that X/Y pairs represent half the total number of errors. The vertical dotted line corresponds to the cutoff used in FIG. 13A.

[0068] FIGs. 14A-14D show the well dropout rates in mRNA subsamples and within pairs. FIG. 14A shows well dropout rates in the first subsample of mRNA from a high-throughput pairing method of the invention with 70,000 T cells per well. Median dropout rates (dotted vertical lines) are 20% for TCRA and 14% for TCRB. FIG. 14B shows the well dropout rates in the second subsample of mRNA from a high-throughput pairing method of the invention. Median dropout rates are 24% for TCRA and 21% for TCRB. FIG. 14C shows the well dropout rates estimated from confidently paired sequences (FDR<1%) in the first subsample of mRNA (same data as in panel A). Median dropout rates are 14% for TCRA and 10% for TCRB, which are biased downward from the estimates in panel A. FIG. 14D shows well dropout rates estimated from confidently paired sequences (FDR<1%) in the full combined sample of mRNA, i.e., the data used in our discovery of ~35,000 pairs. Median dropout rates are 7% for TCRA and 3% for TCRB; after accounting for bias, we expect that the true median dropout rates are 10% and 5%, respectively.

[0069] FIG. 15 shows simulated well occupancy as a function of clone frequency and number of input T cells. A key design parameter in a high-throughput pairing method of the invention is the number of T cells allocated to each well. FIG. 15 shows the outcomes of simulated experiments of the invention for a 96-well plate and T cell inputs ranging from 100-100,000 cells per well (x-axis). Different colors depict clones with different repertoire frequencies, and the plot shows the number of wells they occupied in our simulations. To capture clones from different frequency bands, one can simply change the number of input T cells in an experiment. It is also possible to capture multiple frequency bands in a single experiment by varying the number of input T cells across the wells on a plate.

DETAILED DESCRIPTION OF THE INVENTION

[0070] The present invention provides, in certain embodiments and as described herein, compositions and methods that are useful for reliably quantifying and determining the

sequences of large and structurally diverse populations of rearranged genes encoding adaptive immune receptors, such as immunoglobulins (IG) and/or T cell receptors (TCR). These rearranged genes may be present in a biological sample containing DNA from lymphoid cells of a subject or biological source, including a human subject, and/or mRNA transcripts of these rearranged genes may be present in such a sample and used as templates for cDNA synthesis by reverse transcription.

[0071] Disclosed herein are unexpectedly advantageous approaches for uniquely and unambiguously labeling individual, sequence-distinct IG and TCR encoding gene segments or mRNA transcripts thereof, or cDNA that has been reverse transcribed from such mRNA transcripts, by performing such labeling prior to conventional steps of expanding a population of such gene segments or transcripts thereof (including reverse transcripts) through established nucleic acid amplification techniques. Without wishing to be bound by theory, by labeling individual TCR and IG encoding gene segments or transcripts thereof (including complementary DNA generated by reverse transcription) as described herein, prior to commonly practiced amplification steps which are employed to generate DNA copies in sufficient quantities for sequencing, the present embodiments offer unprecedented sensitivity in the detection and quantification of diverse TCR and IG encoding sequences, while at the same time avoiding misleading, inaccurate or incomplete results that may occur due to biases in oligonucleotide primer utilization during multiple rounds of nucleic acid amplification from an original sample, using a sequence-diverse set of amplification primers.

[0072] Also described herein, in certain embodiments, are unprecedented compositions and methods that permit quantitative determination of the sequences encoding both polypeptides in an adaptive immune receptor heterodimer from a single cell, such as both TCRA and TCRB from a T cell, or both IgH and IgL from a B cell. By providing the ability to obtain such information from a complex sample such as a sample containing a heterogeneous mixture of T and/or B cells from a subject, these and related embodiments permit more accurate determination of the relative representation in a sample of particular T and/or B cell clonal populations than has previously been possible.

[0073] Certain embodiments contemplate modifications as described herein to oligonucleotide primer sets that are used in multiplexed nucleic acid amplification reactions to generate a population of amplified rearranged DNA molecules from a biological sample containing rearranged genes encoding adaptive immune receptors, prior to quantitative high throughput sequencing of such amplified products. Multiplexed amplification and high

throughput sequencing of rearranged TCR and BCR encoding DNA sequences are described, for example, in Robins et al., 2009 *Blood* 114:4099; Robins et al., 2010 *Sci. Translat. Med.* 2:47ra64; Robins et al., 2011 *J. Immunol. Meth.* doi:10.1016/j.jim.2011.09. 001; Sherwood et al. 2011 *Sci. Translat. Med.* 3:90ra61; U.S.A.N. 13/217,126 (US Pub. No. 2012/0058902), U.S.A.N. 12/794,507 (US Pub. No. 2010/0330571), WO/2010/151416, WO/2011/106738 (PCT/US2011/026373), WO2012/027503 (PCT/US2011/049012), U.S.A.N. 61/550,311, and U.S.A.N. 61/569,118; accordingly these disclosures are incorporated by reference and may be adapted for use according to the embodiments described herein.

[0074] According to certain embodiments, in a sample containing a plurality of sequence-diverse TCR or IG encoding gene segments, such as a sample comprising DNA (or mRNA transcribed therefrom or cDNA reverse-transcribed from such mRNA) from lymphoid cells in which DNA rearrangements have taken place to encode functional TCR and/or IG heterodimers (or in which non-functional TCR or IG pseudogenes have been involved in DNA rearrangements), a plurality of individual TCR or IG encoding sequences may each be uniquely tagged with a specific oligonucleotide barcode sequence as described herein, through a single round of nucleic acid amplification (*e.g.*, polymerase chain reaction PCR). The population of tagged polynucleotides can then be amplified to obtain a library of tagged molecules, which can then be quantitatively sequenced by existing procedures such as those described, for example, in U.S.A.N. 13/217,126 (US Pub. No. 2012/0058902), U.S.A.N. 12/794,507 (US Pub. No. 2010/0330571), WO/2010/151416, WO/2011/106738 (PCT/US2011/026373), WO2012/027503 (PCT/US2011/049012), U.S.A.N. 61/550,311, and U.S.A.N. 61/569,118.

[0075] In the course of these sequence reads, the incorporated barcode tag sequence is sequenced and can be used as an identifier in the course of compiling and analyzing the sequence data so obtained. In certain embodiments, it is contemplated that for each barcode tag sequence, a consensus sequence for the associated TCR or IG sequences may be determined. A clustering algorithm can then be applied to identify molecules generated from the same original clonal cell population. By such an approach, sequence data of high quality can be obtained in a manner that overcomes inaccuracies associated with sequencing artifacts.

[0076] An exemplary embodiment is depicted in Figure 1, according to which from a starting template population of genomic DNA or cDNA from a lymphoid cell-containing population, two or more cycles of PCR are performed using an oligonucleotide primer composition that

contains primers having the general formula U1-$B1_n$-X as described herein. As shown in Figure (Fig.) 1, the J-specific primer 110a contains a J primer sequence 100 that is complementary to a portion of the J segment, a barcode tag (BC1) 101 in Fig. 1, or $B1_n$ in the generic formula) and also includes a first external universal adaptor sequence (U1) 102, while the V-specific primer 110b includes a V primer sequence 103 that is complementary to a portion of the V segment and a second external universal adaptor sequence (U2) 104. The invention need not be so limited, however, and also contemplates related embodiments, such as those where the barcode may instead or may in addition be present as part of the V-specific primer and is situated between the V-sequence and the second universal adaptor. It will be appreciated that based on the present disclosure, those skilled in the art can design other suitable primers by which to introduce the herein described barcode tags to uniquely label individual TCR and/or IG encoding gene segments.

[0077] As described herein, a large number (up to 4^n, where n is the length of the barcode sequence) of different barcode sequences are present in the oligonucleotide primer composition that contains primers having the general formula U1-$B1_n$-X as described herein, such that the PCR products of the large number of different amplification events following specific annealing of appropriate V- and J-specific primers are differentially labeled. In some embodiments, the number of barcode sequences is up to or smaller than 4^n. In one embodiment, a set of 192 different barcode sequences are used based on a barcode of length n=8. The length of the barcode "n" determines the possible number of barcodes (4^n as described herein), but in some embodiments, a smaller subset is used to avoid closely related barcodes or barcodes with different annealing temperatures. In other embodiments, as described herein, sets of m and n barcode sequences are used in subsequent amplification steps (e.g., to individually label each rearranged TCR or IG sequence and then to uniformally label ("tailing") a set of sequences obtained from the same source, or sample In preferred embodiments, the V and J primers 100 and 103 are capable of promoting the amplification of a TCR or Ig encoding sequence that includes the CDR3 encoding sequence, which in Fig. 1 includes the NDN region 111. As also indicated in Fig. 1, following no more than two amplification cycles, the first amplification primer set 110a, 110b is separated from the double-stranded DNA product. By such a step, it is believed according to non-limiting theory that contamination of the product preparation by subsequent rounds of amplification is avoided, where contaminants could otherwise be produced by amplifying newly formed double-stranded DNA molecules with amplification primers that are present in the complex

reaction but which are primers other than those used to generate the double-stranded DNA in the first one or two amplification cycles. A variety of chemical and biochemical techniques are known in the art for separating double-stranded DNA from oligonucleotide amplification primers.

[0078] Once the first amplification primer set 110a, 110b is removed, by which the unique barcode tag sequences have been introduced, the tagged double-stranded DNA (dsDNA) products can be amplified using a second amplification primer set 120a, 120b as described herein and depicted in Fig. 1, to obtain a DNA library suitable for sequencing. The second amplification primer set advantageously exploits the introduction, during the preceding step, of the universal adaptor sequences 102, 104 (*e.g.*, U1 and U2 in Fig. 1) into the dsDNA products. Accordingly, because these universal adaptor sequences have been situated external to the unique barcode tags (BC1) 101 in Fig. 1, the amplification products that comprise the DNA library to be sequenced retain the unique barcode identifier sequences linked to each particular rearranged V-J gene segment combination, whilst being amenable to amplification via the universal adaptors. An exemplary set of such a second primer set, also known as "tailing" primers, is shown in Table 7.

[0079] In preferred embodiments and as also depicted in Fig. 1, the second amplification primer set 120a, 120b may introduce sequencing platform-specific oligonucleotide sequences (Adap1 105 and Adap2 106 in Fig. 1), however these are not necessary in certain other related embodiments. The second amplification primer set 120a, 120b may also optionally introduce a second oligonucleotide barcode identifier tag (BC2 107 in Fig. 1), such as a single barcode sequence that may desirably identify all products of the amplification from a particular sample (*e.g.*, as a source subject-identifying code) and ease multiplexing multiple samples to allow for higher throughput. The barcode (BC2; 107 in Fig. 1) is a modification that increases the throughput of the assay (e.g., allows samples to be multiplexed on the sequencer), but is not required. Alternatively, a universal primer without adaptors can be used to amplify the tagged molecules. After amplification, the molecules can be additionally tagged with platform specific oligonucleotide sequences. Such inclusion of a second, sample-identifying barcode, may beneficially aid in the identification of sample origins when samples from several different subjects are mixed, or in the identification of inadvertent contamination of one sample preparation with material from another sample preparation. The second amplification primer set may also, as shown in Fig. 1, optionally include a spacer nucleotide ("n6"; 108 in Fig. 1), which may facilitate the operation of the sequencing

platform-specific sequences. The spacer improves the quality of the sequencing data, but is not required or present in certain embodiments. The spacer is specifically added to increase the number of random base pairs during the first 12 cycles of the sequencing step of the method. By increasing the diversity of the first 12 cycles, cluster definition and basecalling is improved. The spacer nucleotide 108 may be 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11-20, 21-30 or more nucleotides of any sequence, typically a randomly generated sequence. Where it may be of concern that the presence of such random sequences will result in uneven annealing rates amongst the oligonucleotide primers containing such sequences, it may be preferred to perform a relatively small number of amplification cycles, typically three, four or five cycles, or optionally 1-6 or no more than eight cycles, to reduce the potential for unevenness in amplification that could skew downstream results.

[0080] The resulting DNA library can then be sequenced according to standard methodologies and using available instrumentation as provided herein and known in the art. Where a second, sample-identifying barcode (BC2 107 in Fig. 1) is present, sequencing that includes reading both such barcodes is performed, with the sequence information (V-J junction including CDR3 encoding sequence, along with the first oligonucleotide barcode BC1 101 that uniquely tags each distinct sequence) between the two occurrences of the sample-identifying barcode 107 also being read. Sequencing primers may include, for instance, and with reference to Fig. 1, the universal primer 102 on the J side of NDN 111 for the first read, followed by a barcode sequence BC1 101, a J primer sequence 100 and CDR3 sequences. The second set of amplification primers include a forward primer comprising the platform-specific primer (Adap1 105) on the J side, a spacer sequence comprising random nucleotides (labeled "n6"; 108 in Fig. 1), and BC2 sample-identifying barcodes 107. The reverse primer in the second set of amplification primers includes the universal primer 104 on the V side of NDN 111, a spacer sequence 108 comprising random nucleotides, and a BC2 sample-identifying barcode sequence107, and optionally a paired-end read using the reverse second sequencing platform-specific primer (Adap2 106). The second sequencing platform-specific primer (Adap2 106) is used to sequence and "read" the spacer sequence 108, the sample-identifying barcode sequence BC2 107, the universal adaptor sequence 104, the V sequence 103, and NDN 111. To capture the CDR3 sequence, one can use J amplification primers, C amplification primers or the V amplification primers.

[0081] Sequence data may be sorted using the BC2 sample-identifying barcodes 107 and then further sorted according to sequences that contain a common first barcode BC1 101.

Within such sorted sequences, CDR3 sequences may be clustered to determine whether more than one sequence cluster is present using any of a known variety of algorithms for clustering (*e.g.,* BLASTClust, UCLUST, CD-HIT, or others, or as described in Robins et al., 2009 *Blood* 114:4099). Additionally or alternatively, sequence data may be sorted and selected on the basis of those sequences that are found at least twice. Consensus sequences may then be determined by sequence comparisons, for example, to correct for sequencing errors. Where multiple unique identifier barcode tags (BC1 101) are detected among sequences that otherwise share a common consensus sequence, the number of such barcode tags that is identified may be regarded as reflective of the number of molecules in the sample from the same T cell or B cell clone.

Identifying Both Chains of a TCR or IG Heterodimer From a Single Adaptive Immune Cell

[0082] As also noted above, in certain other embodiments there is provided herein a method for determining rearranged DNA sequences (or mRNA sequences transcribed therefrom or cDNA that has been reverse transcribed from such mRNA) encoding first and second polypeptide sequences of an adaptive immune receptor heterodimer in a single lymphoid cell. The method includes uniquely labeling each rearranged DNA sequence with a unique barcode sequence for identifying a particular cell and/or sample.

[0083] Briefly, and by way of illustration and not limitation, these and related embodiments comprise a method comprising steps of (1) in each of a plurality of parallel reactions, contacting first and second microdroplets and permitting them to fuse under conditions permissive for nucleic acid amplification, to generate double-stranded DNA products (or single-stranded cDNA products) that all contain an identical barcode oligonucleotide sequence and that correspond to the two chains of an adaptive immune receptor heterodimer; (2) disrupting the fused microdroplets to obtain a heterogeneous mixture of double-stranded (or single-stranded) DNA products; (3) amplifying the heterogeneous mixture of double-stranded DNA (or single-stranded) products to obtain a DNA library for sequencing; and (4) sequencing the library to obtain a data set of DNA sequences encoding the first and second polypeptides of the heterodimer.

[0084] The method comprises contacting and permitting to fuse in pairwise fashion (A) individual first microdroplets that each (or in every n^{th} droplet) contain a single lymphoid cell or genomic DNA isolated therefrom, or cDNA has been reverse transcribed from mRNA, with (B) individual second microdroplets from a plurality of second liquid microdroplets that

each contain two oligonucleotide amplification primer sets, the first set for amplifying any rearranged DNA that encodes the first chain of an adaptive immune receptor heterodimer (*e.g.,* an IGH chain, or a TCRA chain), and the second set for amplifying any rearranged DNA that encodes the second chain of the heterodimer (*e.g.*, an IGL chain, or a TCRB chain). Significantly, in a given second microdroplet, all oligonucleotide amplification primers will comprise the same barcode oligonucleotide, but within different second microdroplets, the primer sets will comprise different barcode sequences. The step of contacting is controlled so that in each of a plurality of events, a single first microdroplet fuses with a single second microdroplet to obtain a fused microdroplet. The contents of each of the first and second microdroplets come into contact with one another in the fused microdroplet. Oligonucleotide amplification primer sets capable of amplifying any rearranged DNA encoding a given TCR or IG polypeptide are described elsewhere herein and in the references incorporated for such disclosure.

[0085] Those familiar with the art will be aware of any of a number of microfluidics apparatus and devices by which microdroplet compositions that have defined contents and properties (such as the ability to controllably undergo fusion) may be prepared, such as the RainDance™ microdroplet digital PCR system (RainDance Technologies, Lexington, MA) or any of the systems described, for example, in Pekin et al., 2011 *Lab Chip* 11:2156; Miller et al., 2012 *Proc. Nat. Acad. Sci. USA* 109:378; Brouzes et al., 2009 *Proc. Nat. Acad. Sci.* USA 106:14195; Joensson et al., 2009 *Angew. Chem. Int. Ed.* 81:4813; Baret et al., 2009 *Lab Chip* 9:1850; Frenz et al., 2009 *Lab Chip* 9:1344; Kiss et al., 2008 *Anal. Chem.* 80:8975; Leamon et al., 2006 *Nat. Meths.* 3:541; which may be adapted to a particular method such as those described herein through modifications that are routine in view of the present disclosure.

[0086] As a non-limiting example, certain embodiments may exploit the properties of aqueous phase microdroplets dispersed in an oil phase using microfluidic channels. Microdroplets may be water-in-oil emulsions, oil-in-water emulsions, or similar aqueous and non-aqueous emulsion compositions. Microdroplets may also be called microdroplets or micellar microdroplets. Conventional water-in-oil (WO) emulsions have found many applications in biology, including next-generation sequencing (Margulies et al., *Nature* 2005, 437, 376-380), rare mutation detection (Diehl, F. et al. *Proc. Natl. Acad. Sci. U.S.A.* 2005, 102, 16368–16373; Li, M. et al., *Nat.Methods* 2006, 3, 95–97; Diehl, F. et al., *Nat. Med.* 2008, 14, 985–990) and quantitative detection of DNA methylation (Li, M. et al., *Nat.*

Biotechnol. 2009, 27, 858–U118), but these emulsions suffer from droplet polydispersity and shearing stresses which can disrupt cells during mechanical agitation used to form the emulsions. The use of microfluidics overcomes these limitations and leads to an improved performance of biochemical and cell based assays (Zeng, Y. et al., *Anal. Chem.* 2010, 82, 3183-3190). Microfluidic chips with channel diameters of 10-100 μm are typically fabricated from quartz, silicon, glass, or polydimethylsiloxane (PDMS) using standard soft photolithography techniques (A. Manz, N. Graber and H.M. Widmer: Miniaturized total Chemical Analysis systems: A Novel Concept for Chemical Sensing, *Sensors and Actuators, B Chemical* (1990) 244-248). Droplets are typically generated at rates of ~ 1-10Hz by flowing an aqueous solution in one channel into a stream of oil. The use of flow focusing nozzles enables generation of controlled size droplets of aqueous phase. The droplet size and rate of droplet generation are controlled by the ratio of oil and aqueous phase flow rates, for a given nozzle geometry. The chip channel surface is usually modified to be hydrophobic, for instance, by one of the many published silanization chemistries (Zeng, Y. et al., *Anal. Chem.* 2010, 82, 3183-3190). For droplets to be fully functional microvessels, the use of hydrophobic and lipophobic oils may be beneficial, since the molecular diffusion between droplets is minimized, the oils have low solubility for biological reagents contained in the aqueous phase and have good gas solubility, which ensures viability of encapsulated cells in certain applications. In addition, surfactants may desirably, according to certain embodiments, be mixed into the oil phase, since droplets tend to coalesce. Surfactants may also inhibit adsorption of biomolecules at the microdroplet interfaces. A novel class of block copolymer surfactants, comprising perfluorinated polyethers (PFPE) coupled to polyethyleneglycol (PEG), has been described for use with fluorocarbon oils, for example, the fluorinated oil FC-40 (Sigma), a mix of perfluoro tri-n-butyl amine with di(perfluoro(n-butyl))perfluoromethyl amine (Holtze, C. et al., *Lab Chip*, 2008, DOI: 10.1039/b806706f). These compositions have led to very stable, biocompatible emulsions (Brouzes, E., et al., *PNAS* 2009, 106(34), 14195-14200).

[0087] Droplets traveling in microfluidic channels may be maintained as discrete microdroplets by means of their surface tension. Various methods have also been proposed to overcome the surface tension and allow droplets to merge when desired, thus allowing reagent mixing, *e.g.*, by microfabrication of passive, flow reducing elements in channels (Niu, X. et al., *Lab Chip* 2008, 8, 1837-1841), by the use of electrostatic charge (electrocoalescence) (Zagnoni, M. et al., *Langmuir*, 2010, 26(18), 14443-14449), or by

manipulating microchannel geometry (Dolomite Merger chip; *see also* WO/2012/083225). A method of adding reagents to droplets in microfluidic channels via picoinjectors (pressurized reagent filled channels, perpendicular to the droplet channel, operated by electric fields), has recently been published (Abate, A.R. et al., *PNAS* 2010, 107(45), 19163-19166) and may also be adapted according to certain presently contemplated embodiments as described herein.

[0088] The microdroplet contents and the step of contacting are selected to be permissive for nucleic acid amplification interactions between the genomic DNA and the amplification primers. Nucleic acid amplification (*e.g.,* PCR) reagents and conditions are well known. Such amplification is permitted to proceed at least to obtain first and second double-stranded DNA products that include the nucleotide sequences of the first and second oligonucleotide amplification primers as provided herein, and the complementary sequences thereto. Thus, for example, any single fused microdroplet may contain (i) a first double-stranded DNA product that comprises at least a first universal adaptor sequence, the barcode sequence, a V region and a J or C region sequence that encode a portion of the first adaptive immune receptor polypeptide of the heterodimer, and a second universal adaptor sequence, and (ii) a second double-stranded DNA product that comprises at least a third universal adaptor sequence, the same barcode sequence as in (i), a V region and a J or C region sequence that encode a portion of the second adaptive immune receptor polypeptide of the heterodimer, and a fourth universal adaptor sequence.

[0089] Conditions for the amplification step in the fused microdroplets are stopped prior to the next step. This can be achieved by changing the temperature of the environment in which the microdroplets are contained (e.g., in a container or well) to stop the amplification process.

[0090] In some embodiments, the method comprises disrupting the plurality of fused microdroplets to obtain a heterogeneous mixture of the first and second double-stranded products. Disruption may be selected on the basis of the chemical properties and composition of the microdroplets, and may be achieved, for instance, by chemical, biochemical and/or physical manipulations, such as the introduction of a diluent, detergent, chaotrope, surfactant, osmotic agent, or other chemical agent, or by the use of sonication, pressure, electrical field or other disruptive conditions. It will be appreciated that preferred conditions will involve the use of aqueous solvents for the included volumes within the microdroplets and/or for the heterogeneous mixture that is obtained by the step of disrupting. By using microdroplets instead of individual cells as an assay format, one can analyze data on the number of input cells in the sample. One can correct for PCR and sequencing errors,

and in the case of IG molecules differentiate between non-germline sequences due to somatic hypermutation (SHM) from non-germline sequences introduced due to PCR error.

[0091] In some embodiments, the method comprises an ensuing step for contacting the mixture of first and second double-stranded DNA products with the herein described third and fourth amplification primer sets. Conditions for this step may similarly be achieved using accepted methodologies for DNA amplification to obtain a DNA library for sequencing, which may also be achieved according to any of a number of established DNA sequencing technologies. In certain related embodiments, instead of using first liquid microdroplets that each contain a single lymphoid cell or genomic DNA isolated therefrom, each of the first liquid microdroplets contains complementary DNA (cDNA) that has been reverse transcribed from the mRNA of a single lymphoid cell, such as a first cDNA that encodes the first chain of the adaptive immune receptor heterodimer and a second cDNA that encodes the second chain of the heterodimer.

[0092] In certain related embodiments, the individual second microdroplets may each contain a third oligonucleotide primer set that is capable of amplifying additional cDNA sequences that encode a lymphocyte status indicator molecule or molecules, The third primer set is labeled with the same barcode sequence that is present in the first and second primer sets that are in the microdroplet. In such embodiments, the biological status can be determined for the single source cell from which a given TCR or IG heterodimeric sequence is identified. The biological status can be activated vs. quiescent, maturational stage, naïve vs. memory, regulatory vs. effector, etc. Exemplary lymphocyte status indicator molecules include, *e.g.,* lck, fyn, FoxP3, CD4, CD8, CD11a, CD18, CD25, CD28, CD29, CD44, CD45, CD49d, CD62, CD69, CD71, CD103, CD137 (4-1BB), HLA-DR, etc.

[0093] Certain embodiments include a third oligonucleotide primer set that is capable of amplifying a third cDNA sequence that encodes a lymphocyte status indicator molecule, where the third oligonucleotide primer set is labeled with the same barcode sequence that is present in the first and second primer sets, and where the lymphocyte status indicator molecule comprises one or more of the following: FoxP3, CD4, CD8, CD11a, CD18, CD21, CD25, CD29, CCD30, CD38, CD44, CD45, CD45RA, CD45RO, CD49d, CD62, CD62L, CD69, CD71, CD103, CD137 (4-1BB), CD138, CD161, CD294, CCR5, CXCR4, IgG1-4 H-chain constant region, IgA H-chain constant region, IgE H-chain constant region, IgD H-chain constant region, IgM H-chain constant region, HLA-DR, IL-2, IL-5, IL-6, IL-9, IL-10,

IL-12, IL-13, IL-15, IL-21, TGF-β, TLR1, TLR2, TLR3, TLR4, TLR5, TLR6, TLR7, TLR8, TLR9 and TLR10.

Table 1: EXEMPLARY LYMPHOCYTE STATUS INDICATORS

Gene Name	**Status Marker for:**	**Human Transcript Sequence Accession #**
FOXP3	Treg cells	NM_014009, NM_001114377
IL9	Th9 cells	NM_000590
CD21	EBV receptor on B cells	NM_001006658, NM_001877
CD30	Activated T and B cells, NK cells monocytes, and Reed-Sternburg cells (Hodgkin's Lymphoma)	NM_001243, NM_152942
CD38	Plasma cells, activated B and T cells	NM_001775
CD138	Plasma cells	NM_001006946, NM_002997
CD45RA	Naïve T cells	NM_002838, NM_080921, NM_001267798
CD45RO	Memory T cells	NM_002838, NM_080921, NM_001267798
CD62L	Homing of naïve cells to peripheral lymph nodes	NM_000655
CD294	TH2 cells	NM_004778
Helios	Thymic Treg cells	NM_001079526, NM_016260
CD161	NK cells	NM_002258
IL2	$CD4^+$ T cells and some $CD8^+$ T cells	NM_000586
IL5	TH2 cells	NM_000879
IL6	Macrophages, endothelial cells, and T cells	NM_000600
IL10	Macrophages and TH2 cells	NM_000572
TGF-β	T cells and macrophages	NM_000660
IL12B	Macrophages and dendritic cells	NM_002187

IL12A	Macrophages and dendritic cells	NM_000882
IL13	TH2 cells	NM_002188
IL15	Macrophages	NM_0172175, NM_000585
IL21	Activated T cells (mainly TH2, TH17, and NKT cells)	NM_021803, NM_001207006
CCR5	T cells and macrophages	NM_000579, NM_001100168
CXCR4	T cells	NM_003467, NM_001008540
IGHG1	IgG1 heavy chain constant region	AJ294730, J00228
IGHG2	IgG2 heavy chain constant region	AJ294731, J00230
IGHG3	IgG3 heavy chain constant region	D78345
IGHG4	IgG4 heavy chain constant region	AJ294733, K01316
IGHA1	IgA1 heavy chain constant region	J00220
IGHA2	IgA2 heavy chain constant region	M60192, J00221
IGHE	IgGE1 heavy chain constant region	L00022, J00222
IGHD	IgD heavy chain constant region	K02875, K02876, K02877, K02878, K02879, K02880, K02881, K02992, X57331
IGHM	IgM heavy chain constant region	J00260, K01310, X14939, X14940, X57331
TLR1	B cells	NM_003263
TLR2	T and B cells	NM_003264
TLR3	T cells	NM_003265
TLR4	T cells	NM_003266, NM_138554, NM_138557
TLR5	Treg and naïve T cells	NM_003268

[0094] These and related embodiments need not be so limited, however, such that there are also contemplated embodiments according to which, additionally or alternatively, there may be included a third oligonucleotide primer set that is capable of amplifying a third cDNA sequence that encodes a lymphocyte status indicator molecule, where the third primer set is

labeled with the same barcode sequence that is present in the first and second primer sets, and where the lymphocyte status indicator molecule comprises a cell surface receptor.

[0095] Examples of cell surface receptors include the following, or the like: CD2 (*e.g.*, GenBank Acc. Nos. Y00023, SEG_HUMCD2, M16336, M16445, SEG_MUSCD2, M14362), 4-1BB (CDw137, Kwon et al., 1989 *Proc. Nat. Acad. Sci. USA* 86:1963, 4-1BB ligand (Goodwin et al., 1993 *Eur. J. Immunol.* 23:2361; Melero et al., 1998 *Eur. J. Immunol.* 3:116), CD5 (*e.g.*, GenBank Acc. Nos. X78985, X89405), CD10 (*e.g.*, GenBank Acc. Nos. M81591, X76732) CD27 (*e.g.*, GenBank Acc. Nos. M63928, L24495, L08096), CD28 (June et al., 1990 *Immunol. Today* 11:211; see also, *e.g.*, GenBank Acc. Nos. J02988, SEG_HUMCD28, M34563), CD152/CTLA-4 (*e.g.*, GenBank Acc. Nos. L15006, X05719, SEG_HUMIGCTL), CD40 (*e.g.*, GenBank Acc. Nos. M83312, SEG_MUSC040A0, Y10507, X67878, X96710, U15637, L07414), interferon-γ (IFN-γ; see, *e.g.*, Farrar et al. 1993 *Ann. Rev. Immunol.* 11:571 and references cited therein, Gray et al. 1982 *Nature* 295:503, Rinderknecht et al. 1984 *J. Biol. Chem.* 259:6790, DeGrado et al. 1982 *Nature* 300:379), interleukin-4 (IL-4; see, e.g., *53rd Forum in Immunology*, 1993 *Research in Immunol.* 144:553-643; Banchereau et al., 1994 in *The Cytokine Handbook*, 2nd ed., A. Thomson, ed., Academic Press, NY, p. 99; Keegan et al., 1994 *J Leukocyt. Biol.*. 55:272, and references cited therein), interleukin-17 (IL-17) (*e.g.*, GenBank Acc. Nos. U32659, U43088) and interleukin-17 receptor (IL-17R) (*e.g.*, GenBank Acc. Nos. U31993, U58917).

[0096] Additional cell surface receptors include the following or the like: CD59 (*e.g.*, GenBank Acc. Nos. SEG_HUMCD590, M95708, M34671), CD48 (*e.g.*, GenBank Acc. Nos. M59904), CD58/LFA-3 (*e.g.*, GenBank Acc. No. A25933, Y00636, E12817; see also JP 1997075090-A), CD72 (*e.g.*, GenBank Acc. Nos. AA311036, S40777, L35772), CD70 (*e.g.*, GenBank Acc. Nos. Y13636, S69339), CD80/B7.1 (Freeman et al., 1989 *J. Immunol.* 43:2714; Freeman et al., 1991 *J. Exp. Med.* 174:625; see also *e.g.*, GenBank Acc. Nos. U33208, I683379), CD86/B7.2 (Freeman et al., 1993 *J. Exp. Med.* 178:2185, Boriello et al., 1995 *J. Immunol.* 155:5490; see also, *e.g.*, GenBank Acc. Nos. AF099105, SEG_MMB72G, U39466, U04343, SEG_HSB725, L25606, L25259), B7-H1/B7-DC (*e.g.*, Genbank Acc. Nos. NM_014143, AF177937, AF317088; Dong et al., 2002 *Nat. Med.* Jun 24 [epub ahead of print], PMID 12091876; Tseng et al., 2001 *J. Exp. Med.* 193:839; Tamura et al., 2001 *Blood* 97:1809; Dong et al., 1999 *Nat. Med.* 5:1365), CD40 ligand (*e.g.*, GenBank Acc. Nos. SEG_HUMCD40L, X67878, X65453, L07414), IL-17 (*e.g.*, GenBank Acc. Nos. U32659, U43088), CD43 (*e.g.*, GenBank Acc. Nos. X52075, J04536), ICOS (*e.g.*, Genbank Acc. No.

AH011568), CD3 (*e.g.,* Genbank Acc. Nos. NM_000073 (gamma subunit), NM_000733 (epsilon subunit), X73617 (delta subunit)), CD4 (*e.g.,* Genbank Acc. No. NM_000616), CD25 (*e.g.,* Genbank Acc. No. NM_000417), CD8 (*e.g.,* Genbank Acc. No.M12828), CD11b (*e.g.,* Genbank Acc. No. J03925), CD14 (*e.g.,* Genbank Acc. No. XM_039364), CD56 (*e.g.,* Genbank Acc. No.U63041), CD69 (*e.g.,* Genbank Acc. No.NM_001781) and VLA-4 ($\alpha_4\beta_7$) (*e.g.*, GenBank Acc. Nos. L12002, X16983, L20788, U97031, L24913, M68892, M95632).

[0097] The following cell surface receptors are typically associated with B cells: CD19 (*e.g.*, GenBank Acc. Nos. SEG_HUMCD19W0, M84371, SEG_MUSCD19W, M62542), CD20 (*e.g.*, GenBank Acc. Nos. SEG_HUMCD20, M62541), CD22 (*e.g.*, GenBank Acc. Nos. I680629, Y10210, X59350, U62631, X52782, L16928), CD30 (*e.g.*, Genbank Acc. Nos. M83554, D86042), CD153 (CD30 ligand, *e.g.*, GenBank Acc. Nos. L09753, M83554), CD37 (*e.g.*, GenBank Acc. Nos. SEG_MMCD37X, X14046, X53517), CD50 (ICAM-3, *e.g.*, GenBank Acc. No. NM_002162), CD106 (VCAM-1) (*e.g.*, GenBank Acc. Nos. X53051, X67783, SEG_MMVCAM1C, *see also* U.S. Patent No. 5,596,090), CD54 (ICAM-1) (*e.g.*, GenBank Acc. Nos. X84737, S82847, X06990, J03132, SEG_MUSICAM0), interleukin-12 (see, *e.g.,* Reiter et al, 1993 *Crit. Rev. Immunol.* 13:1, and references cited therein), CD134 (OX40, *e.g.*, GenBank Acc. No. AJ277151), CD137 (41BB, *e.g.*, GenBank Acc. No. L12964, NM_001561), CD83 (*e.g.*, GenBank Acc. Nos. AF001036, AL021918), DEC-205 (*e.g.*, GenBank Acc. Nos. AF011333, U19271).

[0098] Examples of other cell surface receptors include the following, or the like: HER1 (*e.g.*, GenBank Accession Nos. U48722, SEG_HEGFREXS, KO3193), HER2 (Yoshino et al., 1994 *J. Immunol.* 152:2393; Disis et al., 1994 *Canc. Res.* 54:16; see also, *e.g.*, GenBank Acc. Nos. X03363, M17730, SEG_HUMHER20), HER3 (*e.g.*, GenBank Acc. Nos. U29339, M34309), HER4 (Plowman et al., 1993 *Nature* 366:473; see also *e.g.*, GenBank Acc. Nos. L07868, T64105), epidermal growth factor receptor (EGFR) (*e.g.*, GenBank Acc. Nos. U48722, SEG_HEGFREXS, KO3193), vascular endothelial cell growth factor(*e.g.,* GenBank No. M32977), vascular endothelial cell growth factor receptor (*e.g.*, GenBank Acc. Nos. AF022375, 1680143, U48801, X62568), insulin-like growth factor-I (*e.g.*, GenBank Acc. Nos. X00173, X56774, X56773, X06043, *see also* European Patent No. GB 2241703), insulin-like growth factor-II (*e.g.*, GenBank Acc. Nos. X03562, X00910, SEG_HUMGFIA, SEG_HUMGFI2, M17863, M17862), transferrin receptor (Trowbridge and Omary, 1981 *Proc. Nat. Acad. USA* 78:3039; see also *e.g.*, GenBank Acc. Nos. X01060, M11507), estrogen receptor (*e.g.*, GenBank Acc. Nos. M38651, X03635, X99101, U47678, M12674),

progesterone receptor (*e.g.*, GenBank Acc. Nos. X51730, X69068, M15716), follicle stimulating hormone receptor (FSH-R) (*e.g.*, GenBank Acc. Nos. Z34260, M65085), retinoic acid receptor (*e.g.*, GenBank Acc. Nos. L12060, M60909, X77664, X57280, X07282, X06538), MUC-1 (Barnes et al., 1989 *Proc. Nat. Acad. Sci. USA* 86:7159; see also *e.g.*, GenBank Acc. Nos. SEG_MUSMUCIO, M65132, M64928) NY-ESO-1 (*e.g.*, GenBank Acc. Nos. AJ003149, U87459), NA 17-A (*e.g.*, European Patent No. WO 96/40039), Melan-A/MART-1 (Kawakami et al., 1994 *Proc. Nat. Acad. Sci. USA* 91:3515; see also *e.g.*, GenBank Acc. Nos. U06654, U06452), tyrosinase (Topalian et al., 1994 *Proc. Nat. Acad. Sci. USA* 91:9461; see also *e.g.*, GenBank Acc. Nos. M26729, SEG_HUMTYR0, *see also* Weber et al., *J. Clin. Invest* (1998) *102*:1258), Gp-100 (Kawakami et al., 1994 *Proc. Nat. Acad. Sci. USA* 91:3515; see also *e.g.*, GenBank Acc. No. S73003, *see also* European Patent No. EP 668350; Adema et al., 1994 *J. Biol. Chem.* 269:20126), MAGE (van den Bruggen et al., 1991 *Science* 254:1643; see also *e.g,* GenBank Acc. Nos. U93163, AF064589, U66083, D32077, D32076, D32075, U10694, U10693, U10691, U10690, U10689, U10688, U10687, U10686, U10685, L18877, U10340, U10339, L18920, U03735, M77481), BAGE (*e.g.*, GenBank Acc. No. U19180, *see also* U.S. Patent Nos. 5,683,886 and 5,571,711), GAGE (*e.g.*, GenBank Acc. Nos. AF055475, AF055474, AF055473, U19147, U19146, U19145, U19144, U19143, U19142), any of the CTA class of receptors including in particular HOM-MEL-40 antigen encoded by the SSX2 gene (*e.g.*, GenBank Acc. Nos. X86175, U90842, U90841, X86174), carcinoembyonic antigen (CEA, Gold and Freedman, 1985 *J. Exp. Med.* 121:439; see also *e.g.*, GenBank Acc. Nos. SEG_HUMCEA, M59710, M59255, M29540), and PyLT (*e.g.*, GenBank Acc. Nos. J02289, J02038).

[0099] A lymphocyte status indicator may also include one or more apoptosis signaling polypeptides, sequences of which are known to the art, as reviewed, for example, in *When Cells Die: A Comprehensive Evaluation of Apoptosis and Programmed Cell Death* (R.A. Lockshin et al., Eds., 1998 John Wiley & Sons, New York; see also, *e.g.*, Green et al., 1998 *Science* 281:1309 and references cited therein; Ferreira et al., 2002 *Clin. Canc. Res.* 8:2024; Gurumurthy et al., 2001 *Cancer Metastas. Rev.* 20:225; Kanduc et al., 2002 *Int. J. Oncol.* 21:165). Typically, an apoptosis signaling polypeptide sequence comprises all or a portion of, or is derived from, a receptor death domain polypeptide, for instance, FADD (*e.g.*, Genbank Acc. Nos. U24231, U43184, AF009616, AF009617, NM_012115), TRADD (*e.g.*, Genbank Acc. No. NM_003789), RAIDD (*e.g.*, Genbank Acc. No. U87229), CD95 (FAS/Apo-1; *e.g.*, Genbank Acc. Nos. X89101, NM_003824, AF344850, AF344856), TNF-

α-receptor-1 (TNFR1, *e.g.*, Genbank Acc. Nos. S63368, AF040257), DR5 (*e.g.*, Genbank Acc. No. AF020501, AF016268, AF012535), an ITIM domain (*e.g.*, Genbank Acc. Nos. AF081675, BC015731, NM_006840, NM_006844, NM_006847, XM_017977; see, *e.g.*, Billadeau et al., 2002 *J. Clin. Invest.* 109:161), an ITAM domain (*e.g.*, Genbank Acc. Nos. NM_005843, NM_003473, BC030586; see, *e.g.*, Billadeau et al., 2002), or other apoptosis-associated receptor death domain polypeptides known to the art, for example, TNFR2 (*e.g.*, Genbank Acc. No. L49431, L49432), caspase/procaspase-3 (*e.g.*, Genbank Acc. No. XM_54686), caspase/procaspase-8 (*e.g.*, AF380342, NM_004208, NM_001228, NM_033355, NM_033356, NM_033357, NM_033358), caspase/procaspase-2 (*e.g.*, Genbank Acc. No. AF314174, AF314175), etc. Cells in a biological sample that are suspected of undergoing apoptosis may be examined for morphological, permeability, biochemical, molecular genetic, or other changes that will be apparent to those familiar with the art.

[00100] These and related methods for the first time permit rapid determination of the rearranged DNA sequences that encode both chains of a TCR or IG heterodimer from a single cell. Such embodiments will find uses for diagnostic and prognostic purposes, by permitting high-throughput sequencing of adaptive immune receptor encoding sequences from each of a plurality of single cells, and will also usefully inform immunological investigations into TCR or IG heterodimeric pairings and their underlying molecular mechanisms. The rapid and large-scale availability of DNA sequence information for both subunits of a large number of TCR and/or IG heterodimers will accelerate development of synthetic antibody technologies and related arts, for example, where antibodies or complete or partial TCR or IG antigen-binding regions may be usefully engineered into diagnostic, therapeutic, biomimetic, enzymatic or catalytic (*e.g.*, Abzymes) or other industrially useful compositions. By virtue of the quantitative nature of the high throughput TCR and/or IG sequencing afforded by the present disclosure, high precision in the quantitative characterization of TCR and/or IG heterodimer sequences that are present in a sample will advantageously improve the ability to determine the number of cells that belong to a specific T cell or B cell clone.

[00101] As noted above, according to these embodiments for identifying both chains of a TCR or IG heterodimer from a single adaptive immune cell, in any given second microdroplet, all oligonucleotide amplification primers will comprise the same barcode oligonucleotide, but within different second microdroplets the primer sets will comprise different barcode sequences. Accordingly, after sequencing the DNA library obtained as

described above to obtain a data set of sequences, the sequences in the data set can be sorted into groups of sequences that have identical barcode sequences, and such barcode groups can be further sorted into those having X1 or X2 sequences (which include portions of V and J or C regions) that will indicate whether a given sequence reflects the amplification product of a first TCR or IG encoding chain (*e.g.*, a TCRA or IGH chain) or a second TCR or IG encoding chain (*e.g.*, a TCRB or IGL chain).

[00102] Sequences that have been so sorted by barcode and by TCR or IG chain may be further subject to cluster analysis using any of a known variety of algorithms for clustering (*e.g.*, BLASTClust, UCLUST, CD-HIT, *see also* IEEE Rev Biomed Eng. 2010;3:120-54. doi: 10.1109/RBME.2010.2083647; Clustering algorithms in biomedical research: a review, Xu R, Wunsch DC 2nd; *Mol Biotechnol.* 2005 Sep;31(1):55-80; Data clustering in life sciences. Zhao Y, Karypis G; *Methods Mol Biol.* 2010;593:81-107. doi: 10.1007/978-1-60327-194-3_5; Overview on techniques in cluster analysis. Frades I, Matthiesen R, and error correction in the case of sequences that fail to cluster with other sequences having shared barcode sequences but which instead would cluster with sequences having a barcode that differs by a single nucleotide. *See, e.g., Proc Natl Acad Sci U S A. 2012* Jan 24;109(4):1347-52. doi: 10.1073/pnas.1118018109. Epub 2012 Jan 9. Digital RNA sequencing minimizes sequence-dependent bias and amplification noise with optimized single-molecule barcodes. Shiroguchi K, Jia TZ, Sims PA, Xie XS; *Proc Natl Acad Sci U S A.* 2012 Sep 4;109(36):14508-13. doi: 10.1073/pnas.1208715109. Epub 2012 Aug 1. Detection of ultra-rare mutations by next-generation sequencing. Schmitt MW, Kennedy SR, Salk JJ, Fox EJ, Hiatt JB, Loeb LA.

[00103] Accordingly, certain embodiments comprise a method including steps of (a) sorting the data set of sequences (obtained as described above) according to oligonucleotide barcode sequences identified therein to obtain a plurality of barcode sequence sets each having a unique barcode; (b) sorting each barcode sequence set of (a) into an X1 sequence-containing subset and an X2 sequence-containing subset; (c) clustering members of each of the X1 and X2 sequence-containing subsets according to X1 and X2 sequences to obtain one or a plurality of X1 sequence cluster sets and one or a plurality of X2 sequence cluster sets, respectively, and error-correcting single nucleotide barcode sequence mismatches within any one or more of said X1 and X2 sequence cluster sets; and (d) identifying as originating from the same cell sequences that are members of an X1 and an X2 sequence cluster set that belong to the same one or more barcode sequence sets.

[00104] It will be appreciated that according to non-limiting theory, first and second adaptive immune receptor chain encoding sequences that occur with the same set of barcode sequences have an extremely high probability of having originated from the same fused microdroplet, and thus from the same source cell. For example, where 10^4 different barcodes are used in the construction of the first and second oligonucleotide amplification primers, the probability that two independent (*i.e.*, originating from different cells) double-stranded first and second products would be obtained having the same barcode sequence is one in 10^8. Hence, if according to the methods described herein, three or more copies of a given set of first and second adaptive immune receptor polypeptide encoding sequences (*e.g.*, X1 and X2) share common barcode sequences (*e.g.*, belong to the same barcode sequence set), the probability that the sequences are of independent cellular origin approaches zero.

[00105] Similarly, it will be appreciated that analysis of the data set of sequences obtained according to the present methods may also be used to characterize the biological status of the lymphoid cell source of genomic DNA. For example, because in B cells IGH gene rearrangement is known to precede IGL gene rearrangement, barcode sequence analysis as described herein may reveal multiple single lymphoid cell genomes having the same rearranged IGH sequence but different IGL sequences, indicating origins of these sequences in immunologically naïve cells.

[00106] Alternatively, the analysis may exploit the observation that T cells express proteins that are specific to their functions, such as lymphocyte status indicator molecules as described herein. For example, regulatory T cells express the protein FOXP3. If a cDNA that has been reverse transcribed from T cell mRNA is subsequently amplified, co-amplification products may include cDNA species that reflect other mRNAs encoding phenotypic specific proteins such as FOXP3, along with cDNAs encoding the TCRB and TCRA molecules. This approach may permit identification of the adaptive immune receptors that are expressed by T cells having specific phenotypes, such as T regulatory cells or effector T cells.

[00107] Thus, there is provided herein a method for determining rearranged DNA sequences encoding first and second polypeptide sequences of an adaptive immune receptor heterodimer in a single lymphoid cell, comprising (1) contacting (A) individual first microdroplets that each contain a single lymphoid cell or genomic DNA isolated therefrom, with (B) individual second microdroplets from a plurality of second liquid microdroplets that each contain (i) a first oligonucleotide amplification primer set that is capable of amplifying a

rearranged DNA sequence encoding a first complementarity determining region-3 (CDR3) of a first polypeptide of an adaptive immune receptor heterodimer, and (ii) a second oligonucleotide amplification primer set that is capable of amplifying a rearranged DNA sequence encoding a second complementarity determining region-3 (CDR3) of a second polypeptide of the adaptive immune receptor heterodimer. The first oligonucleotide amplification primer set comprises a composition comprising a plurality of oligonucleotides having a plurality of oligonucleotide sequences of general formula: U1/2-B1-X1, in which U1/2 comprises an oligonucleotide which comprises a first universal adaptor oligonucleotide sequence when B1 is present or a second universal adaptor oligonucleotide sequence when B1 is nothing. In some embodiments, B1 comprises an oligonucleotide that comprises either nothing or a first oligonucleotide barcode sequence of 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 contiguous nucleotides, and X1 comprises an oligonucleotide that is one of: (a) a polynucleotide comprising at least 20, 30, 40 or 50 and not more than 100, 90, 80, 70 or 60 contiguous nucleotides of an adaptive immune receptor variable (V) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U1/2-B1-X1, X1 comprises a unique oligonucleotide sequence, and (b) a polynucleotide comprising at least 15-30 or 31-50 and not more than 80, 70, 60 or 55 contiguous nucleotides of either (i) an adaptive immune receptor joining (J) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, or (ii) an adaptive immune receptor constant (C) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U1/2-B1-X1, X1 comprises a unique oligonucleotide sequence. The second oligonucleotide amplification primer set can comprise a composition comprising a plurality of oligonucleotides having a plurality of oligonucleotide sequences of general formula: U3/4-B2-X2 in which U3/4 comprises an oligonucleotide which comprises a third universal adaptor oligonucleotide sequence when B2 is present or a fourth universal adaptor oligonucleotide sequence when B2 is nothing, B2 comprises an oligonucleotide that comprises either nothing or a second oligonucleotide barcode sequence of 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 contiguous nucleotides that is from the same as B1, and X2 comprises an oligonucleotide that is one of: (a) a polynucleotide comprising at least 20, 30, 40 or 50 and not more than 100, 90, 80, 70 or 60 contiguous nucleotides of an adaptive

immune receptor variable (V) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U3/4-B2-X2, X2 comprises a unique oligonucleotide sequence, and (b) a polynucleotide comprising at least 15-30 or 31-50 and not more than 80, 70, 60 or 55 contiguous nucleotides of either (i) an adaptive immune receptor joining (J) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, or (ii) an adaptive immune receptor constant (C) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U3/4-B2-X2, X2 comprises a unique oligonucleotide sequence. The step of contacting can take place under conditions and for a time sufficient for a plurality of fusion events between one of the first microdroplets and one of the second microdroplets to produce a plurality of fused microdroplets in which nucleic acid amplification interactions occur between the genomic DNA and the first and second oligonucleotide amplification primer sets, to obtain in each of one or more of said plurality of fused microdroplets: a first double-stranded DNA product that comprises at least one first universal adaptor oligonucleotide sequence, at least one first oligonucleotide barcode sequence, at least one X1 oligonucleotide V region encoding gene sequence of said first polypeptide of the adaptive immune receptor heterodimer, at least one second universal adaptor oligonucleotide sequence, and at least one X1 oligonucleotide J region or C region encoding gene sequence of said first polypeptide of the adaptive immune receptor heterodimer. The conditions also permit obtaining in each of one or more of said plurality of fused microdroplets: a second double-stranded DNA product that comprises at least one third universal adaptor oligonucleotide sequence, at least one second oligonucleotide barcode sequence, at least one X2 oligonucleotide V region encoding gene sequence of said second polypeptide of the adaptive immune receptor heterodimer, at least one fourth universal adaptor oligonucleotide sequence, and at least one X2 oligonucleotide J region or C region encoding gene sequence of said second polypeptide of the adaptive immune receptor heterodimer.

[00108] The method also includes disrupting the plurality of fused microdroplets to obtain a heterogeneous mixture of said first and second double-stranded DNA products and contacting the mixture of first and second double-stranded DNA products with a third amplification primer set and a fourth amplification primer set. In some embodiments, the

third amplification primer set comprises (i) a plurality of first sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the first universal adaptor oligonucleotide and a first sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the first universal adaptor oligonucleotide sequence, and (ii) a plurality of second sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the second universal adaptor oligonucleotide sequence and a second sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the second universal adaptor oligonucleotide sequence. In other embodiments, the fourth amplification primer set comprises (i) a plurality of third sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the third universal adaptor oligonucleotide and a third sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the third universal adaptor oligonucleotide sequence, and (ii) a plurality of fourth sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the fourth universal adaptor oligonucleotide sequence and a fourth sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the fourth universal adaptor oligonucleotide sequence. The contacting step can take place under conditions and for a time sufficient to amplify both strands of the first and second double-stranded DNA products of (2), to obtain a DNA library for sequencing. The method also includes sequencing the DNA library obtained in (3) to obtain a data set of sequences encoding the first and second polypeptide sequences of the adaptive immune receptor heterodimer.

[00109] FIG. 2 illustrates one method by which a plurality of first microdroplets 210 that contain a single lymphoid cell or genomic DNA fuse with a plurality of individual second microdroplets 220 to form a plurality of fused microdroplets 230. The second plurality of droplets may comprise amplification primer sets, as described herein, and the fused droplets can be placed under conditions where the amplification primers can amplify the DNA found in the single lymphoid cell or the genomic DNA (or cDNA) within the microdroplet.

[00110] These and related embodiments permit high throughput sequencing of rearranged genes encoding both chains from the same cell of an adaptive immune receptor heterodimer, such as IGH plus IGL, or IGH plus IGK, or TCRA plus TCRB, or TCRG plus TCRD. Advantageously, this approach also permits quantifying the number of cells having a given

TCR or IG. A schematic depiction of an exemplary embodiment is shown in FIG. 3, according to which steps highly similar to those described above are carried out, significantly, however, with the step of contacting DNA from a single lymphoid cell with first and second amplification primer sets as described herein to effect the first amplification reaction by which the unique molecular-tagging barcode is incorporated taking place within a single microdroplet, such as those that are formed from emulsions for use in the RainDance™ microdroplet digital PCR system (RainDance Technologies, Lexington, MA) (*e.g.*, Pekin et al., 2011 *Lab. Chip* 11(13):2156; Zhong et al., 2011 *Lab. Chip* 11(13):2167; Tewhey et al., 2009 *Nature Biotechnol.* 27:1025; 2010 *Nature Biotechnol.* 28:178) or other comparable systems, any of which may be adapted by the skilled person for use with the herein described compositions and methods. Subsequent to the incorporation into a plurality of distinct dsDNA products of the plurality of unique molecular-tagging barcodes, the microdroplets may be disrupted and the ensuing steps that include amplifying and introducing sequencing platform-specific oligonucleotides may be carried out as described herein and shown in FIG. 3.

[00111] In these and related embodiments, a single tagging barcode (BC1) may be shared by all J primers (or in certain embodiments by all V primers) and it may be desirable to produce such primers with a finite set of specific and pre-identified barcode sequences. Only a single tagging barcode sequence (BC1) will be present within any given microdroplet during the first step, however. Hence, even after a large and diverse set of sequence information is obtained following the sequencing step when practiced starting with a sample that comprises a plurality of heterogeneous lymphoid cells as provided herein, analysis of such information may include determination of first and second TCR or Ig heterodimeric polypeptide chain encoding sequences that contain the same tagging barcode (BC1), from which a probabilistic basis would indicate an extremely high likelihood that both chains are the products of the same cell. Accordingly, the present disclosure for the first time provides compositions and methods for determining and quantifying the relative representation in a sample of both chains of a TCR or Ig heterodimer that are expressed in the same cell.

Clonal Heterodimer Sequence Determination Without MicroDroplets

[00112] According to certain other embodiments, determination of rearranged DNA sequences encoding first and second adaptive immune receptor heterodimer polypeptide sequences in a single cell may be achieved without first preparing separate populations of first and second microdroplets that contain, respectively, single lymphoid cell genomic DNA

(or cDNA that has been reverse transcribed from mRNA therefrom) and oligonucleotide amplification primer sets.

[00113] Instead, these alternative embodiments contemplate separating the cells of a lymphoid cell-containing cell suspension (e.g., a blood cell preparation from a subject or a cell subpopulation thereof) into subpopulations by distributing the cells to a plurality of containers, such as multiple wells of a multi-well cell culture plate or assay plate (e.g., 96-, 384- or 1536-well formats). Persons familiar with the art will be aware of a number of devices and methodologies for distributing a cell suspension into such multiple containers, for instance, using fluorescence activated cell sorting (FACS) or with automated low-volume dispensing equipment or by limiting dilution, to obtain a desired number of cells per well, container, tube, compartment or the like. In certain embodiments it may be preferred to distribute substantially the same number of cells to each container, although certain other contemplated embodiments need not be so limited.

[00114] Briefly, according to these and related embodiments, separated lymphoid cell subpopulations may provide mRNA molecules that are used as templates for reverse transcription to produce cDNA molecules that are concomitantly labeled during the reverse transcription (RT) step (see Figures 4 and 5). FIG. 4 depicts a schematic representation of labeling adaptive immune receptor polypeptide encoding cDNA during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences into cDNA. The cDNA strand is amplified with primers comprising a pGEX-Rev sequence, a barcode BC and N6 spacer sequence (BC-N6) and a "Cn-RC" sequence. The 3' end of the amplified cDNA strand includes a pGEX-FRC sequence, a barcode BC-N6 spacer sequence, and a "Smarter UAll" sequence. The wells or containers of amplified cDNA are pooled, and SPRI bead purification is performed of the first cDNA strand pool. PCR amplification is performed using a tailing-pGEX F/R sequence. The amplicons are purified and selected based on size. The resulting cDNA amplicon is shown in FIG. 4.

[00115] FIG. 5 depicts a schematic representation of labeling adaptive immune receptor polypeptide encoding cDNA during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences into cDNA. Figure 6 presents a schematic representation of a DNA product that is amenable to sequencing following modification with Illumina sequencing adapters of amplified adaptive immune receptor polypeptide encoding cDNA that

has been labeled during reverse transcription by using an oligonucleotide reverse transcription primer that directs incorporation of oligonucleotide barcode and universal adaptor oligonucleotide sequences.

[00116] As provided herein, oligonucleotide RT primers in such embodiments include oligonucleotide sequences that specifically hybridize to target adaptive immune receptor encoding regions such as V, J or C region sequences, and also include oligonucleotide barcode sequences as molecular labels, along with universal adaptor oligonucleotide sequences as described herein. The process of reverse transcription from adaptive immune receptor encoding mRNA may thus be accompanied by incorporation into cDNA products of (i) oligonucleotide barcode sequences as source identifiers, and (ii) universal adaptors to facilitate automated high throughput sequencing as described herein. By way of illustration and not limitation, in certain of these embodiments all RT primers in the oligonucleotide RT primer sets that are contacted with the contents of a single particular container (e.g., one well of a multi-well plate) share a common barcode oligonucleotide sequence (B), and a different barcode oligonucleotide sequence (B) is present in each separate container (such as each well of a multi-well plate).

[00117] For instance, a cell suspension (e.g., blood cells or a fraction thereof, such as nucleated cells, lymphoid cells, etc.) may be divided by random distribution among different wells of a multi-well plate to physically separate the cells into subsets. The subset of cells in each well may then be lysed or otherwise processed according to any of a number of conventional procedures to liberate mRNA present within the cells, which may include mRNA encoding both chains of TCR (e.g., TCRA and TCRB, or TCRG and TCRG) or IG (e.g., IGH and IGL) heterodimers expressed by the cells, and which may also include mRNA encoding one or more lymphocyte status indicator molecules.

[00118] The mRNA may then be used as a template for cDNA synthesis by modification of established reverse transcription (RT) protocols, using oligonucleotide reverse transcription primer sets as described herein that are capable of introducing into the cDNA products, in each separate well, a unique oligonucleotide barcode sequence that is linked to the TCR or IG encoding sequence or complement thereof (see, e.g., Figs. 4-5). External to the barcode (e.g., distal from the TCR or IG encoding sequence, relative to the barcode), the oligonucleotide reverse transcription primer sets may also be designed to introduce a universal adaptor oligonucleotide sequence as described herein and/or other known oligonucleotide sequence features such as those that may facilitate downstream amplification,

processing and/or other manipulation steps such as those that will be compatible with automated high throughput quantitative sequencing.

[00119] Following DNA amplification of the reverse transcription cDNA products, each amplified DNA molecule within a given well of the multi-well plate will have the same oligonucleotide barcode sequence, while the barcode sequences of the amplification products in each different well will be distinct from one another. In this manner within each well, all DNA molecules that encode either chain of an adaptive immune receptor heterodimer (e.g., IGH and IGL, TCRA and TCRB, TCRG and TCRD) will have the same oligonucleotide barcode sequence.

[00120] The amplification products may be pooled and quantitatively sequenced using automated high throughput DNA sequencing as described elsewhere herein to obtain a data set of sequences, which include TCR and/or IG sequences along with associated oligonucleotide barcode sequences. As disclosed herein, in certain preferred embodiments the data set of sequences may be analyzed by a combinatorics approach, which permits matching particular pairs of adaptive immune receptor heterodimer subunit encoding sequences to identify them as having originated from the same lymphoid cell.

[00121] As a non-limiting illustrative example, a hypothetical data set of sequences may be obtained from a set of 100 wells into which a lymphoid cell suspension is distributed. In each well, the cells' mRNA cDNA is reverse transcribed using first and second oligonucleotide reverse transcription primer sets that are specific, respectively, for portions of TCRA and TCRB encoding sequences. The oligonucleotide reverse transcription primer sets also introduce a different oligonucleotide barcode sequence into the cDNA products in each distinct well. If, hypothetically, T cells having a single, common clonal origin (e.g., T cells that express the identical TCRA/B sequences) are randomly distributed into five different wells of the 100 wells, then the sequence data set will include five separate instances in which the unique pair of TCRA and TCRB sequences occurs in DNA amplification products that share an identical barcode sequence. In other words, in each of the five separate wells, the oligonucleotide reverse transcription primer set promotes the generation of cDNAs having identical rearranged TCRA and TCRB sequences, but the cDNA products of each well include a distinct, well-specific barcode sequence. According to non-limiting theory, on a probabilistic basis the likelihood would be extremely high that the unique TCRA/TCRB sequence pair originates in the same T cell clone, members of which would have been randomly distributed into the five different wells.

[00122] According to certain embodiments, a more detailed description of this high throughput method for determining rearranged DNA sequences encoding first and second polypeptide sequences of an adaptive immune receptor heterodimer in a single lymphoid cell is as follows:

[00123] Lymphoid cells are isolated from an anti-coagulated whole blood sample using either density gradient centrifugation (*e.g.*, FicollPaque®, GE Healthcare Bio-Sciences, Piscataway, NJ), or by binding to antibody-coated magnetic beads, such as CD45 beads from Miltenyi Biotec (Auburn, CA). Alternatively, T lymphocytes may be purified from a whole blood sample by binding to CD3+ magnetic beads, and B lymphocytes may be purified from a whole blood sample by binding to CD19+ magnetic beads. Isolated cell populations may then be checked for viability. Dead cells may be removed from the sample with a filter, for example, using a Miltenyi Biotec Dead Cell Removal kit. Depending on the application, isolated viable lymphoid cells (*e.g.*, as may be present in unsorted peripheral blood mononuclear cells (PBMC), or as preparations of specific cell sub-sets) may be cultured in short-tem cell culture, and in certain embodiments cells may be activated by any of a number of known activation paradigms, such as by exposure to one or more of cytokines, chemokines, specific antibodies, mitogens, polyclonal activators, etc. The final cell sample may be prepared by resuspending the cells in culture media (*e.g.*, RPMI with 10% fetal bovine serum) or appropriate isotonic buffered solutions (*e.g.*, phosphate buffered saline, PBS), supplemented with agents which prevent cell clumping (*e.g.*, 0.1% BSA, 1% Pluronic® F-68). Alternatively, whole blood or PBMCs may be utilized without sorting. As the most general case, any set of cells present as a suspension in an aqueous solution that contains B or T cells may be used.

[00124] The cell preparation comprising a plurality of lymphoid cells is divided into a plurality of physically separated subsets, for example, by distributing the suspension of cells amongst a plurality of containers or compartments that are capable of containing the cells to obtain a plurality of containers or compartments that each contain a subpopulation of the lymphoid cells, wherein each subpopulation comprises one lymphoid cell or a plurality of lymphoid cells, and wherein each container or compartment is physically separate so that the contents are not in fluid communication with one another. Preferably the cells are distributed or divided into the plurality of containers so that each container contains a substantially equivalent number of cells, which may result in there being the same number of cells in each container, or in there being in each container a number of cells that is within 1, 2, 3, 4, 5, 6, 7,

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21-30, 31-50, 51-70, 71-80, or 81-100 percent of the number of cells in any other container. Exemplary containers may be wells of multi-well culture or assay plates such as 6-, 12-, 24-, 48-, 96-, 384- or 1536-well multi-well plates or any other multi-well plate format; arrays of tubes, filters, microfabricated well arrays, laser-generated matrices or any other suitable containers that are capable of containing the cells are also contemplated. In certain exemplary embodiments, cells may be distributed amongst the plurality of containers by fluorescence activated cell sorting (FACS): A predetermined number of cells may be isolated, sorted, and deposited into a multi-well (*e.g.*, 96, 384 or 1536) reaction plate using FACS. Any of a number of methodologies and instrumentation may be employed using flow cytometers that are capable of preparative sorting of cells onto multi-well plates (*e.g.*, Beckton Dickinson FACSAria® III, Beckman MoFlo™ XDP, etc.). FACS allows for specific subsets of cells to be isolated by antibody staining, viability staining or multicolor combination of specific cell staining reagents. Cell sorters may be employed to count target cells and deposit specified numbers of cells into each well of a collection multi-well plate (10-20%CV). Alternatively, automated low volume (nl to µl volumes per well) dispensers, capable of preferably non-contact dispensing of uniform cell suspensions onto high density micro-well plates (384, 1536, 3456 wells), such as Beckman Coulter BioRAPTR FRD™, LambdaJet™ IIIMT (Thermo Fisher Scientific), CyBi™ Drop (Jena Analytik), Furukawa Perflow™, or similar instruments, may be used to deposit specified numbers of cells into each well of a collection multi-well plate with high precision and reproducibility (10-20%CV).

[00125] The adaptive immune receptor encoding polynucleotide sequences are then amplified from each well, with a unique, well-specific, barcode oligonucleotide attached to all samples. One way to do this is to convert cellular mRNA to cDNA by reverse transcription, and to add to the cDNA products a molecular label in the form of an oligonucleotide barcode during the reverse transcription step. The same barcode may be added to cDNAs that are complementary to mRNAs encoding both chains of each heterodimeric adaptive immune receptor molecule within the well, for instance, the immunoglobulin heavy and light chains, the TCRA and TCRB chains, and the TCRG and TCRD chains. In this and related embodiments, antigen receptor encoding sequences are amplified from cDNA made by reverse transcription from mRNA; genomic DNA (gDNA) is not amplified. To do this, each well of a microwell plate may contain a medium containing an RNase inhibitor, and a medium designed either to protect RNA in cells (such as Qiagen

RNAlater™, Qiagen, Valencia, CA), or to lyse cells and isolate RNA (Trizol, guanidium isothiocyanate - Qiagen RNeasy™ etc.). Extracted total cellular RNA may then be transferred into another multi-well plate for the reverse transcription reaction using robotic liquid handlers. Alternatively, sorted cells may be lysed directly in a reverse-transcription reaction mix containing an RNase inhibitor. Reverse transcription reaction (RT) may be initiated by exposing cellular RNA to a reaction mix containing an appropriate buffer, dNTPs, an enzyme (reverse transcriptase) and a set of oligonucleotide reverse transcription primers. These primers will generally comprise a multiplicity of subsets of primers that may anneal to IgG, IgM, IgA, IgD, IgE, Ig kappa, Ig lambda, TCR alpha, beta, gamma and delta constant region (C-segment) gene-specific oligonucleotide sequences, as well as a universal template switching oligonucleotide (*e.g.*, Clontech Smarter™ UAII oligonucleotide, Clontech, Mountain View, CA). For instance, either the C-segment gene specific primers, or the Smarter™ UAII oligonucleotide, or both, will be uniquely tagged with a DNA barcode, which will be a unique sequence 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, ... etc. base pairs long. Each well of the RT reaction plate will contain the same multiplicity of primers, where each primer in the mix will be tagged with the same DNA barcode, but a different barcode will be used in each well. Thus, upon completion of the reverse transcription reaction, each first strand cDNA molecule in a given well will be barcoded with an identical DNA barcode sequence.

List of BCR / TCR C-segment primers for 1st cDNA strand synthesis:

Name	Sequence	SEQ ID NO:
Ck	GATGAAGACAGATGGTGCAGC	5579
Cl-1	GGCGGGAACAGAGTGAC	5580
Cl-2	AGGGTGGGAACAGAGTGAC	5581
Cl-3	GCTTGAAGCTCCTCAGAGG	5582
Cl-4	GGCGGGAACAGAGTGAC	5583
IgA	AGGCTCAGCGGGAAGAC	5584
IgD	GAACACATCCGGAGCCTTG	5585
IgE	GGTGGCATTGGAGGGAATG	5586
IgG-1	AAGACCGATGGGCCCTTG	5587

IgG-2	CTCTCGGAGGTGCTCCTG	5588
IgM	AATTCTCACAGGAGACGAGGG	5589
TCRa	TGGTACACGGCAGGGTC	5590
TCRA_RACE_JB2	AGTCTCTCAGCTGGTACACGGCAGGGTC 5'-AGTCTCTCAGCTGGTACACGGCAGGGTC-3'	5591 5591
TCRA_50	5'- ACA GAC TTG TCA CTG GAT TTA GAG TCT CTC AGC TGG TAC ACG GCA GGG TC -3'	5592
TCRB_50	5'- GAG ATC TCT GCT TCT GAT GGC TCA AAC ACA GCG ACC TCG GGT GGG AAC AC -3'	5593
TCRb-1	CAAACACAGCGACCTCGG	5594
TCRb-2	ATGGCTCAAACACAGCGAC	5595
TRCd-1	GATGGTTTGGTATGAGGCTGAC	5596
TCRd-2	CCTTCACCAGACAAGCGAC	5597
TCRg-1	GAAAAATAGTGGGCTTGGGGG	5598
	Primers from Bolotin et al., Eur. J. Immunol. 2012	
TCRb_BC1R	CAGTATCTGGAGTCATTGA	5599
TCRb_BC2R	TGCTTCTGATGGCTCAAACAC	5600
	Primers from Glanville et al., PNAS 2011	
IgM_RACE	5′-GATGGAGTCGGGAAGGAAGTCCTGTGCGAG-3′	5601
IgG_RACE	5′-GGGAAGACSGATGGGCCCTTGGTGG-3′	5602
IgA_RACE	5′-CAGGCAKGCGAYGACCACGTTCCCATC-3′	5603
Igκ_RACE	5′-CATCAGATGGCGGGAAGATGAAGACAGATGGTGC-3′	5604
Igλ_RACE	5′-CCTCAGAGGAGGGTGGGAACAGAGTGAC-3′	5605
TCRB_RACE	5′-GCTCAAACACAGCGACCTCGGGTGGGAACAC-3′	5606
	Clontech Smarter primers	
Smarter UAII	5'–AAGCAGTGGTATCAACGCAGAGTACrGrGrGrGrG-P–3	5607
Islam UAII	5'– AAGCAGTGGTATCAACGCAGAGTGCAGUGCUXXXXXXr GrGrG–3'	5608
Smarter CDS	5'-Bio–AAGCAGTGGTATCAACGCAGAGTACT(30)N-1N–3'	5609
Smarter IS PCR	5'–Bio–AAGCAGTGGTATCAACGCAGAGT –3'	5610
5′RACE long	5′-	5611

	CTAATACGACTCACTATAGGGCAAGCAGTGGTATCAAC GCAGAGT-3′	
5′RACE short	5′-CTAATACGACTCACTATAGGGC-3′	5612

[00126] Accordingly, following the step of distributing cells to a plurality of containers, each of the containers is contacted, under conditions and for a time sufficient to promote reverse transcription of mRNA in the lymphoid cells in the plurality of containers, with a first and a second oligonucleotide reverse transcription primer set, wherein (A) the first oligonucleotide reverse transcription primer set is capable of reverse transcribing a plurality of first mRNA sequences encoding a plurality of first polypeptides of an adaptive immune receptor heterodimer, and (B) the second oligonucleotide reverse transcription primer set is capable of reverse transcribing a plurality of second mRNA sequences encoding a plurality of second polypeptides of the adaptive immune receptor heterodimer, and wherein: (I) the first oligonucleotide reverse transcription primer set comprises a composition comprising a plurality of oligonucleotides having a plurality of oligonucleotide sequences of general formula:

[00127] **U1/2-B1-X1**

[00128] in which U1/2 comprises an oligonucleotide which comprises a first universal adaptor oligonucleotide sequence when B1 is present or a second universal adaptor oligonucleotide sequence when B1 is nothing, B1 comprises an oligonucleotide that comprises either nothing or a first oligonucleotide barcode sequence of 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 contiguous nucleotides, and X1 comprises an oligonucleotide that is one of: (a) a polynucleotide comprising at least 20, 30, 40 or 50 and not more than 100, 90, 80, 70 or 60 contiguous nucleotides of an adaptive immune receptor variable (V) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U1/2-B1-X1, X1 comprises a unique oligonucleotide sequence, and (b) a polynucleotide comprising at least 15-30 or 31-50 and not more than 80, 70, 60 or 55 contiguous nucleotides of either (i) an adaptive immune receptor joining (J) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, or (ii) an adaptive immune receptor constant (C) region encoding gene sequence for said first polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide

sequences of general formula U1/2-B1-X1, X1 comprises a unique oligonucleotide sequence, and (II) the second oligonucleotide reverse transcription primer set comprises a composition comprising a plurality of oligonucleotides having a plurality of oligonucleotide sequences of general formula:

[00129] U3/4-B2-X2

[00130] in which U3/4 comprises an oligonucleotide which comprises a third universal adaptor oligonucleotide sequence when B2 is present or a fourth universal adaptor oligonucleotide sequence when B2 is nothing, B2 comprises an oligonucleotide that comprises either nothing or a second oligonucleotide barcode sequence of 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 contiguous nucleotides that is, for each of the first and second reverse transcription primer sets that are contacted with a single one of the plurality of containers, the same as B1, and X2 comprises an oligonucleotide that is one of: (a) a polynucleotide comprising at least 20, 30, 40 or 50 and not more than 100, 90, 80, 70 or 60 contiguous nucleotides of an adaptive immune receptor variable (V) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U3/4-B2-X2, X2 comprises a unique oligonucleotide sequence, and (b) a polynucleotide comprising at least 15-30 or 31-50 and not more than 80, 70, 60 or 55 contiguous nucleotides of either (i) an adaptive immune receptor joining (J) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, or (ii) an adaptive immune receptor constant (C) region encoding gene sequence for said second polypeptide of an adaptive immune receptor heterodimer, or the complement thereof, and in each of the plurality of oligonucleotide sequences of general formula U3/4-B2-X2, X2 comprises a unique oligonucleotide sequence, said step of contacting taking place under conditions and for a time sufficient to obtain in each of one or more of said plurality of containers: a first reverse-transcribed complementary DNA (cDNA) product that comprises at least one first universal adaptor oligonucleotide sequence, at least one first oligonucleotide barcode sequence, at least one X1 oligonucleotide V region encoding gene sequence of said first polypeptide of the adaptive immune receptor heterodimer, at least one second universal adaptor oligonucleotide sequence, and at least one X1 oligonucleotide J region or C region encoding gene sequence of said first polypeptide of the adaptive immune receptor heterodimer, and also to obtain in each of one or more of said plurality of containers: a second reverse-transcribed cDNA product that comprises at least

one third universal adaptor oligonucleotide sequence, at least one second oligonucleotide barcode sequence, at least one X2 oligonucleotide V region encoding gene sequence of said second polypeptide of the adaptive immune receptor heterodimer, at least one fourth universal adaptor oligonucleotide sequence, and at least one X2 oligonucleotide J region or C region encoding gene sequence of said second polypeptide of the adaptive immune receptor heterodimer.

[00131] After the step of contacting, there is performed a step of combining the first and second reverse-transcribed cDNA products from the plurality of containers to obtain a mixture of reverse-transcribed cDNA products.

[00132] The combining step is followed by contacting the mixture of first and second reverse-transcribed cDNA products with a first oligonucleotide amplification primer set and a second oligonucleotide amplification primer set, wherein the first amplification primer set comprises (i) a plurality of first sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the first universal adaptor oligonucleotide and a first sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the first universal adaptor oligonucleotide sequence, and (ii) a plurality of second sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the second universal adaptor oligonucleotide sequence and a second sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the second universal adaptor oligonucleotide sequence, and wherein the second oligonucleotide amplification primer set comprises (i) a plurality of third sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the third universal adaptor oligonucleotide and a third sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the third universal adaptor oligonucleotide sequence, and (ii) a plurality of fourth sequencing platform tag-containing oligonucleotides that each comprise an oligonucleotide sequence that is capable of specifically hybridizing to the fourth universal adaptor oligonucleotide sequence and a fourth sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to the fourth universal adaptor oligonucleotide sequence, said step of contacting taking place under conditions and for a time sufficient to amplify both of the first and second reverse-transcribed cDNA products, to obtain a DNA library for sequencing.

[00133] Once the DNA library for sequencing has been so obtained, in a step which follows there takes place the sequencing of the DNA library, to obtain a data set of sequences encoding the first and second polypeptide sequences of the adaptive immune receptor heterodimer.

[00134] Analysis of the data set of sequences may then proceed essentially as described elsewhere herein, to determine rearranged DNA sequences encoding first and second polypeptides of an adaptive immune receptor heterodimer that originate in a single (*i.e.*, the same) lymphoid cell. Briefly, the method may further comprise the steps of: (a) sorting the data set of sequences according to oligonucleotide barcode sequences identified therein to obtain a plurality of barcode sequence sets each having a unique barcode; (b) sorting each barcode sequence set of (a) into an X1 sequence-containing subset and an X2 sequence-containing subset; (c) clustering members of each of the X1 and X2 sequence-containing subsets according to X1 and X2 sequences to obtain one or a plurality of X1 sequence cluster sets and one or a plurality of X2 sequence cluster sets, respectively, and error-correcting single nucleotide barcode sequence mismatches within any one or more of said X1 and X2 sequence cluster sets; (d) identifying each first and second adaptive immune receptor heterodimer polypeptide encoding sequence based on known X1 and X2 sequences, wherein each X1 sequence and each X2 sequence is associated with one or a plurality of unique B sequences to identify the container from which each B sequence-associated X1 sequence and each B sequence-associated X2 sequence originated; and (e) combinatorically matching B sequence-associated X1 and X2 sequences of (d) as being of common clonal origin based on a probability of B sequences that are coincident with common first and second adaptive immune receptor heterodimer polypeptide encoding sequences, and therefrom determining that rearranged DNA sequences encoding first and second polypeptide sequences of the adaptive immune receptor heterodimer originated in a single lymphoid cell.

[00135] Accordingly and in summary, in certain of the herein disclosed embodiments, sequencing adapters may be put onto each end of all reverse transcribed/ amplified TCR and/or IG encoding segments, for instance, by synthesizing universal adaptor sequences onto each end of each cDNA molecule outside of the well-specific barcode. Then, the adapters can be synthesized onto each molecule in a tailing PCR reaction. In such embodiments, fusion RT primers may be synthesized and used for the first cDNA strand synthesis. These primers will all contain the same unique DNA barcode, as well as universal (*e.g.*, pGEX) priming sites. Upon completion of the first cDNA strand synthesis by reverse transcription,

the contents of all plate wells will be recovered in a quantitative manner and pooled (*e.g.*, by an inverted centrifugation onto a trough), purified and consequently split into a multiplicity of wells for PCR with universal adapter primers (pGEX) containing "tail" sequences designed to incorporate sequences to be used for amplification and sequencing using a next-generation sequence analysis system (*e.g.*, Illumina, San Diego, CA). Alternatively, the sequencing platform specific adapters can be ligated onto the ends of tagged molecules (*e.g.*, Illumina TrueSeq™ sample preparation method). The molecules from all the wells are pooled thus generating a high-complexity sequencing library of uniquely tagged BCR or TCR ds-cDNA products. The molecules are all sequenced using high-throughput sequencing.

[00136] Universal sequencing primers, complementary to the sequencing platform-specific adapters may desirably be used. This will allow sample indexing of multiple samples, where a sample specific index will be used for each pool of uniquely tagged IGH / TCR products, originating from 96, 384, 1536 etc. original RT reaction wells. Or, a multiplex PCR with a mix of a universal UAII-Forward/ multiplex V, J or C reverse primers may be used to amplify specific target fragments while preserving the original cell transcripts barcoding. If the Illumina sequencing platform (MiSeq™) is used, a paired end sequencing of 2x 250bp would span the majority of the whole BCR / TCR heavy and light (alpha / beta; gamma / delta) chain sequences, thus allowing recovery of the whole coding sequence of each receptor domain. Alternatively, sequencing platforms with extended read length (Roche 454, Life Ion Torrent, OGT etc.) may be used to read through all library fragments in a single sequencing read in one direction. After sequencing, the reads from each sample may be demultiplexed, provided that more than one sample were in the same sequencing lane. Demultiplexing may be performed by assigning sequencing reads to one of multiple indexes used as part of the universal sequencing adapters. For each sample demultiplexed sequence reads, all reads may be divided by the well specific barcodes. Each set of reads with a specific barcode may be clustered separately to correct PCR and sequencing errors and determine the unique sequences for each barcode:

[00137] Sequences that have been so sorted by barcode and by TCR or IG chain may be further subject to cluster analysis using any of a known variety of algorithms for clustering (*e.g.*, BLASTClust, UCLUST, CD-HIT) and error correction in the case of sequences that fail to cluster with other sequences having shared barcode sequences but which instead would cluster with sequences having a barcode that differs by a single nucleotide. The unique

sequences can be identified as IG heavy or light (kappa or lambda) chain, or as TCR (alpha or beta; gamma or delta) chains, by sequence match to known receptor sequences. Each heavy and light chain sequence may thus be associated with a list of barcodes corresponding to an original sample well position. The data can then be reordered by sequence. Associated to each unique sequence will be the set of multi-well plate well-specific barcodes within which set that sequence is found. For every B or T cell clone, the heavy and light chain sequences may be associated with the barcodes from all the wells for which one or more copies of the clone is present. Combinatorics may then be used to match heavy and light chains from the same clone. For example, in a 96 well plate, if particular heavy and light chain sequences are both associated with the same 12 barcodes, this particular pair of heavy and light chains may be assumed to have originated from the same clone, insofar as the probability of two sequences randomly having the exact same 12 barcodes out of 96 is infinitesimally small.

Exemplary Algorithm

[00138] It will be appreciated that according to non-limiting theory, first and second adaptive immune receptor chain encoding sequences that occur with the same set of barcode sequences have a high probability of having originated from the same plate well, and thus from the same source cell. For example, where 10^3 different barcodes are used in the construction of the first and second oligonucleotide reverse transcription primer sets, the probability that two independent (*i.e.,* originating from different cells) double-stranded cDNA first and second products would be obtained having the same barcode sequence is one in 10^6, if one cell per each plate well were sorted.

[00139] Hence, if according to the methods described herein, three or more copies of a given set of first and second adaptive immune receptor polypeptide encoding sequences (*e.g.*, X1 and X2) share common barcode sequences (*e.g.*, belong to the same barcode sequence set), the probability that the sequences are of independent cellular origin approaches zero.

[00140] In certain embodiments, barcode oligonucleotides B (B1, B2) may optionally comprise a first and a second oligonucleotide barcode sequence, wherein the first barcode sequence is selected to identify uniquely a particular V oligonucleotide sequence and the second barcode sequence is selected to identify uniquely a particular J oligonucleotide sequence. The relative positioning of the barcode oligonucleotides B1 and B2 and universal adaptors (U) advantageously permits rapid identification and quantification of the amplification products of a given unique template oligonucleotide by short sequence reads

and paired-end sequencing on automated DNA sequencers (*e.g.,* Illumina HiSeq™ or Illumina MiSEQ®, or GeneAnalyzer™-2, Illumina Corp., San Diego, CA). In particular, these and related embodiments permit rapid high-throughput determination of specific combinations of a V and a J sequence that are present in an amplification product, thereby to characterize the relative representation of annealing targets for each combination of a V-specific primer and a J-specific primer that may be present in a sample such as a sample comprising rearranged TCR or BCR encoding DNA. Verification of the identities and/or quantities of the amplification products may be accomplished by longer sequence reads.

[00141] A large number of adaptive immune receptor variable (V) region and joining (J) region gene sequences are known as nucleotide and/or amino acid sequences, including non-rearranged genomic DNA sequences of TCR and Ig loci, and productively rearranged DNA sequences at such loci and their encoded products. See, *e.g.*, U.S.A.N. 13/217,126; U.S.A.N. 12/794,507; PCT/US2011/026373; PCT/US2011/049012. These and other sequences known to the art may be used according to the present disclosure for the design and production of oligonucleotides to be included in the presently provided compositions and methods.

[00142] V region-specific oligonucleotides may include a polynucleotide sequence of at least 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400 or 450 and not more than 1000, 900, 800, 700, 600 or 500 contiguous nucleotides of an adaptive immune receptor (*e.g.,* TCR or BCR) variable (V) region gene sequence, or the complement thereof, and in each of the plurality of oligonucleotide sequences V comprises a unique oligonucleotide sequence. Genomic sequences for TCR and BCR V region genes of humans and other species are known and available from public databases such as Genbank; V region gene sequences include polynucleotide sequences that encode the products of expressed, rearranged TCR and BCR genes and also include polynucleotide sequences of pseudogenes that have been identified in the V region loci. The diverse V polynucleotide sequences that may be incorporated into the presently disclosed oligonucleotides may vary widely in length, in nucleotide composition (*e.g.,* GC content), and in actual linear polynucleotide sequence, and are known, for example, to include "hot spots" or hypervariable regions that exhibit particular sequence diversity.

[00143] The polynucleotide V may thus includes sequences to which members of oligonucleotide primer sets specific for TCR or BCR genes can specifically anneal. Primer sets that are capable of amplifying rearranged DNA encoding a plurality of TCR or BCR are

described, for example, in U.S.A.N. 13/217,126; U.S.A.N. 12/794,507; PCT/US2011/026373; or PCT/US2011/049012; or the like; or as described therein may be designed to include oligonucleotide sequences that can specifically hybridize to each unique V gene and to each J gene in a particular TCR or BCR gene locus (*e.g.*, TCRA, TCRB, TCRG, TCRD, IGH, IGK or IGL). For example by way of illustration and not limitation, an oligonucleotide primer of an oligonucleotide primer amplification set that is capable of amplifying rearranged DNA encoding one or a plurality of TCR or BCR may typically include a nucleotide sequence of 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 or 40 contiguous nucleotides, or more, and may specifically anneal to a complementary sequence of 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 or 40 contiguous nucleotides of a V or a J polynucleotide as provided herein. In certain embodiments the primers may comprise at least 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 or 30 nucleotides, and in certain embodiment the primers may comprise sequences of no more than 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 or 40 contiguous nucleotides. Primers and primer annealing sites of other lengths are also expressly contemplated, as disclosed herein.

[00144] The V polynucleotide may thus, in certain embodiments, comprise a nucleotide sequence having a length that is less than, the same or similar to that of the length of a typical V gene from its start codon to its CDR3 encoding region and may, but need not, include a nucleotide sequence that encodes the CDR3 region. In certain preferred embodiments the V polynucleotide includes all or a portion of a CDR3 encoding nucleotide sequence or the complement thereto and CDR3 sequence lengths may vary considerably and have been characterized by several different numbering schemes (*e.g.*, Lefranc, 1999 *The Immunologist* 7:132; Kabat et al., 1991 *In: Sequences of Proteins of Immunological Interest*, NIH Publication 91-3242; Chothia et al., 1987 *J. Mol. Biol.* 196:901; Chothia et al., 1989 *Nature* 342:877; Al-Lazikani et al., 1997 *J. Mol. Biol.* 273:927; see also, *e.g.,* Rock et al., 1994 *J. Exp. Med.* 179:323; Saada et al., 2007 *Immunol. Cell Biol.* 85:323).

[00145] Briefly, the CDR3 region typically spans the polypeptide portion extending from a highly conserved cysteine residue (encoded by the trinucleotide codon TGY; Y = T or C) in the V segment to a highly conserved phenylalanine residue (encoded by TTY) in the J segment of TCRs, or to a highly conserved tryptophan (encoded by TGG) in IGH. More than 90% of natural, productive rearrangements in the TCRB locus have a CDR3 encoding length

by this criterion of between 24 and 54 nucleotides, corresponding to between 9 and 17 encoded amino acids. The numbering schemes for CDR3 encoding regions described above denote the positions of the conserved cysteine, phenylalanine and tryptophan codons, and these numbering schemes may also be applied to pseudogenes in which one or more codons encoding these conserved amino acids may have been replaced with a codon encoding a different amino acid. For pseudogenes which do not use these conserved amino acids, the CDR3 length may be defined relative to the corresponding position at which the conserved residue would have been observed absent the substitution, according to one of the established CDR3 sequence position numbering schemes referenced above.

[00146] The polynucleotide J may comprise a polynucleotide comprising at least 15-30, 31-50, 51-60, 61-90, 91-120, or 120-150, and not more than 600, 500, 400, 300 or 200 contiguous nucleotides of an adaptive immune receptor joining (J) region encoding gene sequence, or the complement thereof, and in each of the plurality of oligonucleotide sequences J comprises a unique oligonucleotide sequence. The polynucleotide J (or its complement) includes sequences to which members of oligonucleotide primer sets specific for TCR or BCR genes can specifically anneal. Primer sets that are capable of amplifying rearranged DNA encoding a plurality of TCR or BCR are described, for example, in U.S.A.N. 13/217,126; U.S.A.N. 12/794,507; PCT/US2011/026373; or PCT/US2011/049012; or the like; or as described therein may be designed to include oligonucleotide sequences that can specifically hybridize to each unique V gene and to each unique J gene in a particular TCR or BCR gene locus (*e.g.*, TCR α, β, γ or δ, or IgH μ, γ, δ, α or ε, or IgL κ or λ).

[00147] It may be preferred in certain embodiments that the plurality of J polynucleotides that are present in the herein described primer compositions have lengths that simulate the overall lengths of known, naturally occurring J gene nucleotide sequences. The J region lengths in the herein described templates may differ from the lengths of naturally occurring J gene sequences by no more than 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 percent. The J polynucleotide may thus, in certain embodiments, comprise a nucleotide sequence having a length that is the same or similar to that of the length of a typical naturally occurring J gene and may, but need not, include a nucleotide sequence that encodes the CDR3 region, as discussed above.

[00148] Genomic sequences for TCR and BCR J region genes of humans and other species are known and available from public databases such as Genbank; J region gene sequences include polynucleotide sequences that encode the products of expressed and unexpressed

rearranged TCR and BCR genes. The diverse J polynucleotide sequences that may be incorporated into the presently disclosed primers may vary widely in length, in nucleotide composition (*e.g.,* GC content), and in actual linear polynucleotide sequence.

[00149] Alternatives to the V and J sequences described herein, for use in construction of the herein described V-segment and J-segment oligonucleotide primers, may be selected by a skilled person based on the present disclosure using knowledge in the art regarding published gene sequences for the V- and J-encoding regions of the genes for each TCR and Ig subunit. Reference Genbank entries for human adaptive immune receptor sequences include: TCRα: (TCRA/D): NC_000014.8 (chr14:22090057..23021075); TCRβ: (TCRB): NC_000007.13 (chr7:141998851..142510972); TCRγ: (TCRG): NC_000007.13 (chr7:38279625..38407656); immunoglobulin heavy chain, IgH (IGH): NC_000014.8 (chr14: 106032614..107288051); immunoglobulin light chain-kappa, IgLκ (IGK): NC_000002.11 (chr2: 89156874..90274235); and immunoglobulin light chain-lambda, IgLλ (IGL): NC_000022.10 (chr22: 22380474..23265085). Reference Genbank entries for mouse adaptive immune receptor loci sequences include: TCRβ: (TCRB): NC_000072.5 (chr6: 40841295..41508370), and immunoglobulin heavy chain, IgH (IGH): NC_000078.5 (chr12:114496979..117248165).

[00150] Primer design analyses and target site selection considerations can be performed, for example, using the OLIGO primer analysis software and/or the BLASTN 2.0.5 algorithm software (Altschul et al., *Nucleic Acids Res.* 1997, 25(17):3389-402), or other similar programs available in the art.

[00151] Accordingly, based on the present disclosure and in view of these known adaptive immune receptor gene sequences and oligonucleotide design methodologies, for inclusion in the instant oligonucleotides those skilled in the art can design a plurality of V region-specific and J region-specific polynucleotide sequences that each independently contain oligonucleotide sequences that are unique to a given V and J gene, respectively. Similarly, from the present disclosure and in view of known adaptive immune receptor sequences, those skilled in the art can also design a primer set comprising a plurality of V region-specific and J region-specific oligonucleotide primers that are each independently capable of annealing to a specific sequence that is unique to a given V and J gene, respectively, whereby the plurality of primers is capable of amplifying substantially all V genes and substantially all J genes in a given adaptive immune receptor-encoding locus (*e.g.,* a human TCR or IGH locus). Such primer sets permit generation, in multiplexed (*e.g.*, using multiple forward and reverse primer pairs) PCR, of amplification products that have a first end that is encoded by a rearranged V

region-encoding gene segment and a second end that is encoded by a J region-encoding gene segment.

[00152] Typically and in certain embodiments, such amplification products may include a CDR3-encoding sequence although the invention is not intended to be so limited and contemplates amplification products that do not include a CDR3-encoding sequence. The primers may be preferably designed to yield amplification products having sufficient portions of V and J sequences and in certain preferred embodiments also of barcode (B) sequences as described herein, such that by sequencing the products (amplicons), it is possible to identify on the basis of sequences that are unique to each gene segment (i) the particular V gene, and (ii) the particular J gene in the proximity of which the V gene underwent rearrangement to yield a rearranged adaptive immune receptor-encoding gene. Typically, and in preferred embodiments, the PCR amplification products will not be more than 600 base pairs in size, which according to non-limiting theory will exclude amplification products from non-rearranged adaptive immune receptor genes. In certain other preferred embodiments the amplification products will not be more than 500, 400, 300, 250, 200, 150, 125, 100, 90, 80, 70, 60, 50, 40, 30 or 20 base pairs in size, such as may advantageously provide rapid, high-throughput quantification of sequence-distinct amplicons by short sequence reads.

Primers

[00153] According to the present disclosure, oligonucleotide primers are provided in an oligonucleotide primer set that comprises a plurality of V-segment primers and a plurality of J-segment primers, where the primer set is capable of amplifying rearranged DNA encoding adaptive immune receptors in a biological sample that comprises lymphoid cell DNA. Suitable primer sets are known in the art and disclosed herein, for example, the primer sets in US 2012/0058902, U.S.A.N. 13/217,126; U.S.A.N. 12/794,507; PCT/US2011/026373; or PCT/US2011/049012; or the like; or those shown in Table 1. In certain embodiments the primer set is designed to include a plurality of V sequence-specific primers that includes, for each unique V region gene (including pseudogenes) in a sample, at least one primer that can specifically anneal to a unique V region sequence; and for each unique J region gene in the sample, at least one primer that can specifically anneal to a unique J region sequence.

[00154] Primer design may be achieved by routine methodologies in view of known TCR and BCR genomic sequences. Accordingly, the primer set is preferably capable of amplifying every possible V-J combination that may result from DNA rearrangements in the TCR or BCR locus. As also described below, certain embodiments contemplate primer sets

in which one or more V primers may be capable of specifically annealing to a "unique" sequence that may be shared by two or more V regions but that is not common to all V regions, and/or in which in which one or more J primers may be capable of specifically annealing to a "unique" sequence that may be shared by two or more J regions but that is not common to all J regions.

[00155] In particular embodiments, oligonucleotide primers for use in the compositions and methods described herein may comprise or consist of a nucleic acid of at least about 15 nucleotides long that has the same sequence as, or is complementary to, a 15 nucleotide long contiguous sequence of the target V- or J- segment (*i.e.,* portion of genomic polynucleotide encoding a V-region or J-region polypeptide). Longer primers, *e.g.*, those of about 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 45, or 50, nucleotides long that have the same sequence as, or sequence complementary to, a contiguous sequence of the target V- or J- region encoding polynucleotide segment, will also be of use in certain embodiments. All intermediate lengths of the presently described oligonucleotide primers are contemplated for use herein. As would be recognized by the skilled person, the primers may have additional sequence added (*e.g.*, nucleotides that may not be the same as or complementary to the target V- or J-region encoding polynucleotide segment), such as restriction enzyme recognition sites, adaptor sequences for sequencing, barcode sequences, and the like (see *e.g.*, primer sequences provided in the Tables and sequence listing herein). Therefore, the length of the primers may be longer, such as about 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 80, 85, 90, 95, 100 or more nucleotides in length or more, depending on the specific use or need.

[00156] Also contemplated for use in certain embodiments are adaptive immune receptor V-segment or J-segment oligonucleotide primer variants that may share a high degree of sequence identity to the oligonucleotide primers for which nucleotide sequences are presented herein, including those set forth in the Sequence Listing. Thus, in these and related embodiments, adaptive immune receptor V-segment or J-segment oligonucleotide primer variants may have substantial identity to the adaptive immune receptor V-segment or J-segment oligonucleotide primer sequences disclosed herein, for example, such oligonucleotide primer variants may comprise at least 70% sequence identity, preferably at least 75%, 80%, 85%, 90%, 91%, 92%, 93%, 94%, 95%, 96%, 97%, 98%, or 99% or higher sequence identity compared to a reference polynucleotide sequence such as the oligonucleotide primer sequences disclosed herein, using the methods described herein (*e.g.*,

BLAST analysis using standard parameters). One skilled in this art will recognize that these values can be appropriately adjusted to determine corresponding ability of an oligonucleotide primer variant to anneal to an adaptive immune receptor segment-encoding polynucleotide by taking into account codon degeneracy, reading frame positioning and the like.

[00157] Typically, oligonucleotide primer variants will contain one or more substitutions, additions, deletions and/or insertions, preferably such that the annealing ability of the variant oligonucleotide is not substantially diminished relative to that of an adaptive immune receptor V-segment or J-segment oligonucleotide primer sequence that is specifically set forth herein.

[00158] Table 2 presents as a non-limiting example an oligonucleotide primer set that is capable of amplifying productively rearranged DNA encoding TCR β-chains (TCRB) in a biological sample that comprises DNA from lymphoid cells of a subject. In this primer set the J segment primers share substantial sequence homology, and therefore may cross-prime amongst more than one target J polynucleotide sequence, but the V segment primers are designed to anneal specifically to target sequences within the CDR2 region of V and are therefore unique to each V segment. An exception, however, is present in the case of several V primers where the within-family sequences of the closely related target genes are identical (*e.g.*, V6-2 and V6-3 are identical at the nucleotide level throughout the coding sequence of the V segment, and therefore may have a single primer, TRB2V6-2/3).

Table 2. Exemplary Oligonucleotide Primer Set (hsTCRB PCR Primers)

Name	Sequence	SEQ ID NO:
TRBJ1-1	TTACCTACAACTGTGAGTCTGGTGCCTTGTCCAAA	1631
TRBJ1-2	ACCTACAACGGTTAACCTGGTCCCCGAACCGAA	1632
TRBJ1-3	ACCTACAACAGTGAGCCAACTTCCCTCTCCAAA	1633
TRBJ1-4	CCAAGACAGAGAGCTGGGTTCCACTGCCAAA	1634
TRBJ1-5	ACCTAGGATGGAGAGTCGAGTCCCATCACCAAA	1635
TRBJ1-6	CTGTCACAGTGAGCCTGGTCCCGTTCCCAAA	1636
TRBJ2-1	CGGTGAGCCGTGTCCCTGGCCCGAA	1637

Name	Sequence	SEQ ID NO:
TRBJ2-2	CCAGTACGGTCAGCCTAGAGCCTTCTCCAAA	1638
TRBJ2-3	ACTGTCAGCCGGGTGCCTGGGCCAAA	1639
TRBJ2-4	AGAGCCGGGTCCCGGCGCCGAA	1640
TRBJ2-5	GGAGCCGCGTGCCTGGCCCGAA	1641
TRBJ2-6	GTCAGCCTGCTGCCGGCCCCGAA	1642
TRBJ2-7	GTGAGCCTGGTGCCCGGCCCGAA	1643
TRB2V10-1	AACAAAGGAGAAGTCTCAGATGGCTACAG	1644
TRB2V10-2	GATAAAGGAGAAGTCCCCGATGGCTATGT	1645
TRB2V10-3	GACAAAGGAGAAGTCTCAGATGGCTATAG	1646
TRB2V6-2/3	GCCAAAGGAGAGGTCCCTGATGGCTACAA	1647
TRB2V6-8	CTCTAGATTAAACACAGAGGATTTCCCAC	1648
TRB2V6-9	AAGGAGAAGTCCCCGATGGCTACAATGTA	1649
TRB2V6-5	AAGGAGAAGTCCCCAATGGCTACAATGTC	1650
TRB2V6-6	GACAAAGGAGAAGTCCCGAATGGCTACAAC	1651
TRB2V6-7	GTTCCCAATGGCTACAATGTCTCCAGATC	1652
TRB2V6-1	GTCCCCAATGGCTACAATGTCTCCAGATT	1653
TRB2V6-4	GTCCCTGATGGTTATAGTGTCTCCAGAGC	1654
TRB2V24-1	ATCTCTGATGGATACAGTGTCTCTCGACA	1655
TRB2V25-1	TTTCCTCTGAGTCAACAGTCTCCAGAATA	1656
TRB2V27	TCCTGAAGGGTACAAAGTCTCTCGAAAAG	1657
TRB2V26	CTCTGAGAGGTATCATGTTTCTTGAAATA	1658
TRB2V28	TCCTGAGGGGTACAGTGTCTCTAGAGAGA	1659
TRB2V19	TATAGCTGAAGGGTACAGCGTCTCTCGGG	1660
TRB2V4-1	CTGAATGCCCCAACAGCTCTCTCTTAAAC	1661
TRB2V4-2/3	CTGAATGCCCCAACAGCTCTCACTTATTC	1662
TRB2V2P	CCTGAATGCCCTGACAGCTCTCGCTTATA	1663
TRB2V3-1	CCTAAATCTCCAGACAAAGCTCACTTAAA	1664
TRB2V3-2	CTCACCTGACTCTCCAGACAAAGCTCAT	1665
TRB2V16	TTCAGCTAAGTGCCTCCCAAATTCACCCT	1666

Name	Sequence	SEQ ID NO:
TRB2V23-1	GATTCTCATCTCAATGCCCCAAGAACGC	1667
TRB2V18	ATTTTCTGCTGAATTTCCCAAAGAGGGCC	1668
TRB2V17	ATTCACAGCTGAAAGACCTAACGGAACGT	1669
TRB2V14	TCTTAGCTGAAAGGACTGGAGGGACGTAT	1670
TRB2V2	TTCGATGATCAATTCTCAGTTGAAAGGCC	1671
TRB2V12-1	TTGATTCTCAGCACAGATGCCTGATGT	1672
TRB2V12-2	GCGATTCTCAGCTGAGAGGCCTGATGG	1673
TRB2V12-3/4	TCGATTCTCAGCTAAGATGCCTAATGC	1674
TRB2V12-5	TTCTCAGCAGAGATGCCTGATGCAACTTTA	1675
TRB2V7-9	GGTTCTCTGCAGAGAGGCCTAAGGGATCT	1676
TRB2V7-8	GCTGCCCAGTGATCGCTTCTTTGCAGAAA	1677
TRB2V7-4	GGCGGCCCAGTGGTCGGTTCTCTGCAGAG	1678
TRB2V7-6/7	ATGATCGGTTCTCTGCAGAGAGGCCTGAGG	1679
TRB2V7-2	AGTGATCGCTTCTCTGCAGAGAGGACTGG	1680
TRB2V7-3	GGCTGCCCAACGATCGGTTCTTTGCAGT	1681
TRB2V7-1	TCCCCGTGATCGGTTCTCTGCACAGAGGT	1682
TRB2V11-123	CTAAGGATCGATTTTCTGCAGAGAGGCTC	1683
TRB2V13	CTGATCGATTCTCAGCTCAACAGTTCAGT	1684
TRB2V5-1	TGGTCGATTCTCAGGGCGCCAGTTCTCTA	1685
TRB2V5-3	TAATCGATTCTCAGGGCGCCAGTTCCATG	1686
TRB2V5-4	TCCTAGATTCTCAGGTCTCCAGTTCCCTA	1687
TRB2V5-8	GGAAACTTCCCTCCTAGATTTTCAGGTCG	1688
TRB2V5-5	AAGAGGAAACTTCCCTGATCGATTCTCAGC	1689
TRB2V5-6	GGCAACTTCCCTGATCGATTCTCAGGTCA	1690
TRB2V9	GTTCCCTGACTTGCACTCTGAACTAAAC	1691
TRB2V15	GCCGAACACTTCTTTCTGCTTTCTTGAC	1692
TRB2V30	GACCCCAGGACCGGCAGTTCATCCTGAGT	1693
TRB2V20-1	ATGCAAGCCTGACCTTGTCCACTCTGACA	1694

Name	Sequence	SEQ ID NO:
TRB2V29-1	CATCAGCCGCCCAAACCTAACATTCTCAA	1695

[00159] In certain preferred embodiments, the V-segment and J-segment oligonucleotide primers as described herein are designed to include nucleotide sequences such that adequate information is present within the sequence of an amplification product of a rearranged adaptive immune receptor (TCR or Ig) gene to identify uniquely both the specific V and the specific J genes that give rise to the amplification product in the rearranged adaptive immune receptor locus (*e.g.*, at least 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 base pairs of sequence upstream of the V gene recombination signal sequence (RSS), preferably at least about 22, 24, 26, 28, 30, 32, 34, 35, 36, 37, 38, 39 or 40 base pairs of sequence upstream of the V gene recombination signal sequence (RSS), and in certain preferred embodiments greater than 40 base pairs of sequence upstream of the V gene recombination signal sequence (RSS), and at least 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 or 20 base pairs downstream of the J gene RSS, preferably at least about 22, 24, 26, 28 or 30 base pairs downstream of the J gene RSS, and in certain preferred embodiments greater than 30 base pairs downstream of the J gene RSS).

[00160] This feature stands in contrast to oligonucleotide primers described in the art for amplification of TCR-encoding or Ig-encoding gene sequences, which rely primarily on the amplification reaction merely for detection of presence or absence of products of appropriate sizes for V and J segments (*e.g.*, the presence in PCR reaction products of an amplicon of a particular size indicates presence of a V or J segment but fails to provide the sequence of the amplified PCR product and hence fails to confirm its identity, such as the common practice of spectratyping).

[00161] Oligonucleotides (*e.g.*, primers) can be prepared by any suitable method, including direct chemical synthesis by a method such as the phosphotriester method of Narang et al., 1979, *Meth. Enzymol.* 68:90-99; the phosphodiester method of Brown et al., 1979, *Meth. Enzymol.* 68:109-151; the diethylphosphoramidite method of Beaucage et al., 1981, *Tetrahedron Lett.* 22:1859-1862; and the solid support method of U.S. Pat. No. 4,458,066, each incorporated herein by reference. A review of synthesis methods of

conjugates of oligonucleotides and modified nucleotides is provided in Goodchild, 1990, *Bioconjugate Chemistry* 1(3): 165-187, incorporated herein by reference.

[00162] The term "primer," as used herein, refers to an oligonucleotide capable of acting as a point of initiation of DNA synthesis under suitable

[00163] conditions. Such conditions include those in which synthesis of a primer extension product complementary to a nucleic acid strand is induced in the presence of four different nucleoside triphosphates and an agent for extension (*e.g.*, a DNA polymerase or reverse transcriptase) in an appropriate buffer and at a suitable temperature.

[00164] A primer is preferably a single-stranded DNA. The appropriate length of a primer depends on the intended use of the primer but typically ranges from 6 to 50 nucleotides, or in certain embodiments, from 15-35 nucleotides. Short primer molecules generally require cooler temperatures to form sufficiently stable hybrid complexes with the template. A primer need not reflect the exact sequence of the template nucleic acid, but must be sufficiently complementary to hybridize with the template. The design of suitable primers for the amplification of a given target sequence is well known in the art and described in the literature cited herein.

[00165] As described herein, primers can incorporate additional features which allow for the detection or immobilization of the primer but do not alter the basic property of the primer, that of acting as a point of initiation of DNA synthesis. For example, primers may contain an additional nucleic acid sequence at the 5' end which does not hybridize to the target nucleic acid, but which facilitates cloning, detection, or sequencing of the amplified product. The region of the primer which is sufficiently complementary to the template to hybridize is referred to herein as the hybridizing region.

[00166] As used herein, a primer is "specific," for a target sequence if, when used in an amplification reaction under sufficiently stringent conditions, the primer hybridizes primarily to the target nucleic acid. Typically, a primer is specific for a target sequence if the primer-target duplex stability is greater than the stability of a duplex formed between the primer and any other sequence found in the sample. One of skill in the art will recognize that various factors, such as salt conditions as well as base composition of the primer and the location of the mismatches, will affect the specificity of the primer, and that routine experimental confirmation of the primer specificity will be needed in many cases. Hybridization conditions can be chosen under which the primer can form stable duplexes only with a target sequence. Thus, the use of target-specific primers under suitably stringent amplification

conditions enables the selective amplification of those target sequences which contain the target primer binding sites.

[00167] In particular embodiments, primers for use in the methods described herein comprise or consist of a nucleic acid of at least about 15 nucleotides long that has the same sequence as, or is complementary to, a 15 nucleotide long contiguous sequence of the target V or J segment. Longer primers, *e.g.*, those of about 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 45, or 50, nucleotides long that have the same sequence as, or sequence complementary to, a contiguous sequence of the target V or J segment, will also be of use in certain embodiments. All intermediate lengths of the aforementioned primers are contemplated for use herein. As would be recognized by the skilled person, the primers may have additional sequence added (*e.g.*, nucleotides that may not be the same as or complementary to the target V or J segment), such as restriction enzyme recognition sites, adaptor sequences for sequencing, barcode sequences, and the like (see *e.g.*, primer sequences provided herein and in the sequence listing). Therefore, the length of the primers may be longer, such as 55, 56, 57, 58, 59, 60, 65, 70, 75, nucleotides in length or more, depending on the specific use or need. For example, in one embodiment, the forward and reverse primers are both modified at the 5' end with the universal forward primer sequence compatible with a DNA sequencer.

[00168] Also contemplated for use in certain embodiments are adaptive immune receptor V-segment or J-segment oligonucleotide primer variants that may share a high degree of sequence identity to the oligonucleotide primers for which nucleotide sequences are presented herein, including those set forth in the Sequence Listing. Thus, in these and related embodiments, adaptive immune receptor V-segment or J-segment oligonucleotide primer variants may have substantial identity to the adaptive immune receptor V-segment or J-segment oligonucleotide primer sequences disclosed herein, for example, such oligonucleotide primer variants may comprise at least 70% sequence identity, preferably at least 75%, 80%, 85%, 90%, 91%, 92%, 93%, 94%, 95%, 96%, 97%, 98%, or 99% or higher sequence identity compared to a reference polynucleotide sequence such as the oligonucleotide primer sequences disclosed herein, using the methods described herein (*e.g.*, BLAST analysis using standard parameters). One skilled in this art will recognize that these values can be appropriately adjusted to determine corresponding ability of an oligonucleotide primer variant to anneal to an adaptive immune receptor segment-encoding polynucleotide by taking into account codon degeneracy, reading frame positioning and the like.

[00169] Typically, oligonucleotide primer variants will contain one or more substitutions, additions, deletions and/or insertions, preferably such that the annealing ability of the variant oligonucleotide is not substantially diminished relative to that of an adaptive immune receptor V-segment or J-segment oligonucleotide primer sequence that is specifically set forth herein. As also noted elsewhere herein, in preferred embodiments adaptive immune receptor V-segment and J-segment oligonucleotide primers are designed to be capable of amplifying a rearranged TCR or IGH sequence that includes the coding region for CDR3.

[00170] According to certain embodiments contemplated herein, the primers for use in the multiplex PCR methods of the present disclosure may be functionally blocked to prevent non-specific priming of non-T or B cell sequences. For example, the primers may be blocked with chemical modifications as described in U.S. patent application publication US2010/0167353. According to certain herein disclosed embodiments, the use of such blocked primers in the present multiplex PCR reactions involves primers that may have an inactive configuration wherein DNA replication (*i.e.*, primer extension) is blocked, and an activated configuration wherein DNA replication proceeds. The inactive configuration of the primer is present when the primer is either single-stranded, or when the primer is specifically hybridized to the target DNA sequence of interest but primer extension remains blocked by a chemical moiety that is linked at or near to the 3' end of the primer.

[00171] The activated configuration of the primer is present when the primer is hybridized to the target nucleic acid sequence of interest and is subsequently acted upon by RNase H or another cleaving agent to remove the 3' blocking group, thereby allowing an enzyme (*e.g.*, a DNA polymerase) to catalyze primer extension in an amplification reaction. Without wishing to be bound by theory, it is believed that the kinetics of the hybridization of such primers are akin to a second order reaction, and are therefore a function of the T cell or B cell gene sequence concentration in the mixture. Blocked primers minimize non-specific reactions by requiring hybridization to the target followed by cleavage before primer extension can proceed. If a primer hybridizes incorrectly to a sequence that is related to the desired target sequence but which differs by having one or more non-complementary nucleotides that result in base-pairing mismatches, cleavage of the primer is inhibited, especially when there is a mismatch that lies at or near the cleavage site. This strategy to improve the fidelity of amplification reduces the frequency of false priming at such locations, and thereby increases the specificity of the reaction. As would be recognized by the skilled person, reaction conditions, particularly the concentration of RNase H and the time allowed

for hybridization and extension in each cycle, can be optimized to maximize the difference in cleavage efficiencies between highly efficient cleavage of the primer when it is correctly hybridized to its true target sequence, and poor cleavage of the primer when there is a mismatch between the primer and the template sequence to which it may be incompletely annealed.

[00172] As described in US2010/0167353, a number of blocking groups are known in the art that can be placed at or near the 3' end of the oligonucleotide (*e.g.*, a primer) to prevent extension. A primer or other oligonucleotide may be modified at the 3'-terminal nucleotide to prevent or inhibit initiation of DNA synthesis by, for example, the addition of a 3' deoxyribonucleotide residue (*e.g.,* cordycepin), a 2',3'-dideoxyribonucleotide residue, non-nucleotide linkages or alkane-diol modifications (U.S. Pat. No. 5,554,516). Alkane diol modifications which can be used to inhibit or block primer extension have also been described by Wilk et al., (1990 *Nucleic Acids Res.* 18 (8):2065), and by Arnold et al. (U.S. Pat. No. 6,031,091). Additional examples of suitable blocking groups include 3' hydroxyl substitutions (*e.g.,* 3'-phosphate, 3'-triphosphate or 3'-phosphate diesters with alcohols such as 3-hydroxypropyl), 2'3'-cyclic phosphate, 2' hydroxyl substitutions of a terminal RNA base (*e.g.,* phosphate or sterically bulky groups such as triisopropyl silyl (TIPS) or tert-butyl dimethyl silyl (TBDMS)). 2'-alkyl silyl groups such as TIPS and TBDMS substituted at the 3'-end of an oligonucleotide are described by Laikhter et al., U.S. patent application Ser. No. 11/686,894, which is incorporated herein by reference. Bulky substituents can also be incorporated on the base of the 3'-terminal residue of the oligonucleotide to block primer extension.

[00173] In certain embodiments, the oligonucleotide may comprise a cleavage domain that is located upstream (*e.g.,* 5' to) of the blocking group used to inhibit primer extension. As examples, the cleavage domain may be an RNase H cleavage domain, or the cleavage domain may be an RNase H2 cleavage domain comprising a single RNA residue, or the oligonucleotide may comprise replacement of the RNA base with one or more alternative nucleosides. Additional illustrative cleavage domains are described in US2010/0167353.

[00174] Thus, a multiplex PCR system may use 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, or more forward primers, wherein each forward primer is complementary to a single functional TCR or Ig V segment or a small family of functional TCR or Ig V segments, *e.g.*, a TCR Vβ segment, (see *e.g.*, the TCRBV primers as shown in Table 2, SEQ ID NOS:1644-1695), and, for example, thirteen reverse primers, each specific to a TCR or Ig J segment, such as TCR Jβ

segment (see *e.g.*, TCRBJ primers in Table 2, SEQ ID NOS:1631-1643). In another embodiment, a multiplex PCR reaction may use four forward primers each specific to one or more functional TCRγ V segment and four reverse primers each specific for one or more TCRγ J segments. In another embodiment, a multiplex PCR reaction may use 84 forward primers each specific to one or more functional V segments and six reverse primers each specific for one or more J segments.

[00175] Thermal cycling conditions may follow methods of those skilled in the art. For example, using a PCR Express™ thermal cycler (Hybaid, Ashford, UK), the following cycling conditions may be used: 1 cycle at 95°C for 15 minutes, 25 to 40 cycles at 94°C for 30 seconds, 59°C for 30 seconds and 72°C for 1 minute, followed by one cycle at 72°C for 10 minutes. As will be recognized by the skilled person, thermal cycling conditions may be optimized, for example, by modifying annealing temperatures, annealing times, number of cycles and extension times. As would be recognized by the skilled person, the amount of primer and other PCR reagents used, as well as PCR parameters (*e.g.*, annealing temperature, extension times and cycle numbers), may be optimized to achieve desired PCR amplification efficiency.

[00176] Alternatively, in certain related embodiments also contemplated herein, "digital PCR" methods can be used to quantitate the number of target genomes in a sample, without the need for a standard curve. In digital PCR, the PCR reaction for a single sample is performed in a multitude of more than 100 microcells or droplets, such that each droplet either amplifies (*e.g.*, generation of an amplification product provides evidence of the presence of at least one template molecule in the microcell or droplet) or fails to amplify (evidence that the template was not present in a given microcell or droplet). By simply counting the number of positive microcells, it is possible directly to count the number of target genomes that are present in an input sample. Digital PCR methods typically use an endpoint readout, rather than a conventional quantitative PCR signal that is measured after each cycle in the thermal cycling reaction (see, *e.g.*, Pekin et al., 2011 *Lab. Chip* 11(13):2156; Zhong et al., 2011 *Lab. Chip* 11(13):2167; Tewhey et al., 2009 *Nature Biotechnol.* 27:1025; 2010 *Nature Biotechnol.* 28:178). Accordingly, any of the herein described compositions (*e.g.*, adaptive immune receptor gene-specific oligonucleotide primer sets) and methods may be adapted for use in such digital PCR methodology, for example, the ABI QuantStudio™ 12K Flex System (Life Technologies, Carlsbad, CA), the QuantaLife™

digital PCR system (BioRad, Hercules, CA) or the RainDance™ microdroplet digital PCR system (RainDance Technologies, Lexington, MA).

Adaptors

[00177] The herein described oligonucleotides may in certain embodiments comprise first (U1) and second (U2) (and optionally third (U3) and fourth (U4)) universal adaptor oligonucleotide sequences, or may lack either or both of U1 and U2 (or U3 or U4). A universal adaptor oligonucleotide U thus may comprise either nothing or an oligonucleotide having a sequence that is selected from (i) a first universal adaptor oligonucleotide sequence, and (ii) a first sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to a first universal adaptor oligonucleotide sequence, and U2 may comprise either nothing or an oligonucleotide having a sequence that is selected from (i) a second universal adaptor oligonucleotide sequence, and (ii) a second sequencing platform-specific oligonucleotide sequence that is linked to and positioned 5' to a second universal adaptor oligonucleotide sequence. A similar relationship pertains for U3 and U4.

[00178] U1 and/or U2 may, for example, comprise universal adaptor oligonucleotide sequences and/or sequencing platform-specific oligonucleotide sequences that are specific to a single-molecule sequencing technology being employed, for example the HiSeq™ or GeneAnalyzer™-2 (GA-2) systems (Illumina, Inc., San Diego, CA) or another suitable sequencing suite of instrumentation, reagents and software. Inclusion of such platform-specific adaptor sequences permits direct quantitative sequencing of the presently described dsDNA amplification products into which U has been incorporated as described herein, using a nucleotide sequencing methodology such as the HiSeq™ or GA2 or equivalent. This feature therefore advantageously permits qualitative and quantitative characterization of the dsDNA composition.

[00179] For example, dsDNA amplification products may be generated that have universal adaptor sequences at both ends, so that the adaptor sequences can be used to further incorporate sequencing platform-specific oligonucleotides at each end of each template.

[00180] Without wishing to be bound by theory, platform-specific oligonucleotides may be added onto the ends of such dsDNA using 5' (5'-platform sequence-universal adaptor-1 sequence-3') and 3' (5'-platform sequence-universal adaptor-2 sequence-3') oligonucleotides in three cycles of denaturation, annealing and extension, so that the relative representation in the dsDNA composition of each of the component dsDNAs is not quantitatively altered. Unique identifier sequences (*e.g.*, barcode sequences B that are associated with and thus

identify individual V and/or J regions, or sample-identifier barcodes as described herein) are placed adjacent to the adaptor sequences, thus permitting quantitative sequencing in short sequence reads, in order to characterize the DNA population by the criterion of the relative amount of each unique sequence that is present.

[00181] In addition to adaptor sequences described in the Examples and included in the exemplary template sequences in the Sequence Listing (*e.g.*, at the 5' and 3' ends of SEQ ID NOS:1-1630), other oligonucleotide sequences that may be used as universal adaptor sequences will be known to those familiar with the art in view of the present disclosure. Non-limiting examples of additional adaptor sequences are shown in Table 3 and set forth in SEQ ID NOS:1710-1731.

Table 3. Exemplary Adaptor Sequences

Adaptor (primer) name	**Sequence**	**SEQ ID NO:**
T7 Promotor	AATACGACTCACTATAGG	1710
T7 Terminator	GCTAGTTATTGCTCAGCGG	1711
T3	ATTAACCCTCACTAAAGG	1712
SP6	GATTTAGGTGACACTATAG	1713
M13F(-21)	TGTAAAACGACGGCCAGT	1714
M13F(-40)	GTTTTCCCAGTCACGAC	1715
M13R Reverse	CAGGAAACAGCTATGACC	1716
AOX1 Forward	GACTGGTTCCAATTGACAAGC	1717
AOX1 Reverse	GCAAATGGCATTCTGACATCC	1718
pGEX Forward (GST 5, pGEX 5')	GGGCTGGCAAGCCACGTTTGGTG	1719
pGEX Reverse (GST 3, pGEX 3')	CCGGGAGCTGCATGTGTCAGAGG	1720
BGH Reverse	AACTAGAAGGCACAGTCGAGGC	1721
GFP (C' terminal, CFP, YFP or BFP)	CACTCTCGGCATGGACGAGC	1722
GFP Reverse	TGGTGCAGATGAACTTCAGG	1723
GAG	GTTCGACCCCGCCTCGATCC	1724
GAG Reverse	TGACACACATTCCACAGGGTC	1725

Adaptor (primer) name	Sequence	SEQ ID NO:
CYC1 Reverse	GCGTGAATGTAAGCGTGAC	1726
pFastBacF	5'-d(GGATTATTCATACCGTCCCA)-3'	1727
pFastBacR	5'-d(CAAATGTGGTATGGCTGATT)-3'	1728
pBAD Forward	5'-d(ATGCCATAGCATTTTTATCC)-3'	1729
pBAD Reverse	5'-d(GATTTAATCTGTATCAGG)-3'	1730
CMV-Forward	5'-d(CGCAAATGGGCGGTAGGCGTG)-3'	1731

Barcodes

[00182] As described herein, certain embodiments contemplate designing oligonucleotide sequences to contain short signature sequences that permit unambiguous identification of the polynucleotide sequence into which they are incorporated, and hence of at least one primer responsible for amplifying that product, without having to sequence the entire amplification product. In the herein described oligonucleotides, such barcodes B (*e.g.*, B1, B2) are each either nothing or each comprise an oligonucleotide B that comprises an oligonucleotide barcode sequence of 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 25, 30, 35, 40, 45, 50 or more contiguous nucleotides (including all integer values therebetween), wherein in each of the plurality of oligonucleotide sequences B comprises a unique oligonucleotide sequence which uniquely identifies a particular V and/or J oligonucleotide primer sequence.

[00183] Exemplary barcodes may comprise a first barcode oligonucleotide of 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 or 16 nucleotides that uniquely identifies each oligonucleotide primer (*e.g.*, a V or a J primer) in the primer composition, and optionally in certain embodiments a second barcode oligonucleotide of 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 or 16 nucleotides that uniquely identifies each partner primer in a primer set (*e.g.*, a J or a V primer), to provide barcodes of, respectively, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 or 32 nucleotides in length, but these and related embodiments are not intended to be so limited. Barcode oligonucleotides may comprise oligonucleotide sequences of any length, so long as a minimum barcode length is obtained that precludes occurrence of a given barcode sequence in two or more product polynucleotides having otherwise distinct sequences (*e.g.*, V and J sequences).

[00184] Thus, the minimum barcode length, to avoid such redundancy amongst the barcodes that are used to uniquely identify different V-J sequence pairings, is X nucleotides, where 4^X is greater than the number of distinct template species that are to be differentiated on the basis of having non-identical sequences. In practice, barcode oligonucleotide sequence read lengths may be limited only by the sequence read-length limits of the nucleotide sequencing instrument to be employed. For certain embodiments, different barcode oligonucleotides that will distinguish individual species of template oligonucleotides should have at least two nucleotide mismatches (*e.g.*, a minimum hamming distance of 2) when aligned to maximize the number of nucleotides that match at particular positions in the barcode oligonucleotide sequences.

[00185] The skilled artisan will be familiar with the design, synthesis, and incorporation into a larger oligonucleotide or polynucleotide construct, of oligonucleotide barcode sequences of, for instance, at least 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 30, 35 or more contiguous nucleotides, including all integer values therebetween. For non-limiting examples of the design and implementation of oligonucleotide barcode sequence identification strategies, see, *e.g.,* de Carcer et al., 2011 *Adv. Env. Microbiol.* 77:6310; Parameswaran et al., 2007 *Nucl. Ac. Res.* 35(19):330; Roh et al., 2010 *Trends Biotechnol.* 28:291.

[00186] Typically, barcodes are placed in oligonucleotides at locations where they are not found naturally, *i.e.,* barcodes comprise nucleotide sequences that are distinct from any naturally occurring oligonucleotide sequences that may be found in the vicinity of the sequences adjacent to which the barcodes are situated (*e.g.,* V and/or J sequences). Such barcode sequences may be included, according to certain embodiments described herein, as elements B1 and/or B2 of the presently disclosed oligonucleotides. Accordingly, certain of the herein described oligonucleotide compositions may in certain embodiments comprise one, two or more barcodes, while in certain other embodiments some or all of these barcodes may be absent. In certain embodiments all barcode sequences will have identical or similar GC content (*e.g.*, differing in GC content by no more than 20%, or by no more than 19, 18, 17, 16, 15, 14, 13, 12, 11 or 10%).

Sequencing

[00187] Sequencing may be performed using any of a variety of available high through-put single molecule sequencing machines and systems. Illustrative sequence systems include sequence-by-synthesis systems such as the Illumina Genome Analyzer and associated

instruments (Illumina, Inc., San Diego, CA), Helicos Genetic Analysis System (Helicos BioSciences Corp., Cambridge, MA), Pacific Biosciences PacBio *RS* (Pacific Biosciences, Menlo Park, CA), or other systems having similar capabilities. Sequencing is achieved using a set of sequencing oligonucleotides that hybridize to a defined region within the amplified DNA molecules. The sequencing oligonucleotides are designed such that the V- and J-encoding gene segments can be uniquely identified by the sequences that are generated, based on the present disclosure and in view of known adaptive immune receptor gene sequences that appear in publicly available databases. See, *e.g.,* U.S.A.N. 13/217,126; U.S.A.N. 12/794,507; PCT/US2011/026373; or PCT/US2011/049012. Exemplary TCRB J-region sequencing primers are set forth in Table 4:

Table 4: TCRBJ Sequencing Primers

PRIMER	SEQUENCE	SEQ ID NO:
>Jseq1-1	ACAACTGTGAGTCTGGTGCCTTGTCCAAAGAAA	1696
>Jseq1-2	ACAACGGTTAACCTGGTCCCCGAACCGAAGGTG	1697
>Jseq1-3	ACAACAGTGAGCCAACTTCCCTCTCCAAAATAT	1698
>Jseq1-4	AAGACAGAGAGCTGGGTTCCACTGCCAAAAAAC	1699
>Jseq1-5	AGGATGGAGAGTCGAGTCCCATCACCAAAATGC	1700
>Jseq1-6	GTCACAGTGAGCCTGGTCCCGTTCCCAAAGTGG	1701
>Jseq2-1	AGCACGGTGAGCCGTGTCCCTGGCCCGAAGAAC	1702
>Jseq2-2	AGTACGGTCAGCCTAGAGCCTTCTCCAAAAAAC	1703
>Jseq2-3	AGCACTGTCAGCCGGGTGCCTGGGCCAAAATAC	1704
>Jseq2-4	AGCACTGAGAGCCGGGTCCCGGCGCCGAAGTAC	1705
>Jseq2-5	AGCACCAGGAGCCGCGTGCCTGGCCCGAAGTAC	1706
>Jseq2-6	AGCACGGTCAGCCTGCTGCCGGCCCCGAAAGTC	1707
>Jseq2-7	GTGACCGTGAGCCTGGTGCCCGGCCCGAAGTAC	1708

[00188] The term "gene" means the segment of DNA involved in producing a polypeptide chain such as all or a portion of a TCR or Ig polypeptide (*e.g.,* a CDR3-containing polypeptide); it includes regions preceding and following the coding region "leader and trailer" as well as intervening sequences (introns) between individual coding segments (exons), and may also include regulatory elements (*e.g.*, promoters, enhancers, repressor

binding sites and the like), and may also include recombination signal sequences (RSSs) as described herein.

[00189] The nucleic acids of the present embodiments, also referred to herein as polynucleotides, may be in the form of RNA or in the form of DNA, which DNA includes cDNA, genomic DNA, and synthetic DNA. The DNA may be double-stranded or single-stranded, and if single stranded may be the coding strand or non-coding (anti-sense) strand. A coding sequence which encodes a TCR or an immunoglobulin or a region thereof (*e.g.*, a V region, a D segment, a J region, a C region, etc.) for use according to the present embodiments may be identical to the coding sequence known in the art for any given TCR or immunoglobulin gene regions or polypeptide domains (*e.g.*, V-region domains, CDR3 domains, etc.), or may be a different coding sequence, which, as a result of the redundancy or degeneracy of the genetic code, encodes the same TCR or immunoglobulin region or polypeptide.

[00190] In certain embodiments, the amplified J-region encoding gene segments may each have a unique sequence-defined identifier tag of 2, 3, 4, 5, 6, 7, 8, 9, 10 or about 15, 20 or more nucleotides, situated at a defined position relative to a RSS site. For example, a four-base tag may be used, in the Jβ-region encoding segment of amplified TCRβ CDR3-encoding regions, at positions +11 through +14 downstream from the RSS site. However, these and related embodiments need not be so limited and also contemplate other relatively short nucleotide sequence-defined identifier tags that may be detected in J-region encoding gene segments and defined based on their positions relative to an RSS site. These may vary between different adaptive immune receptor encoding loci.

[00191] The recombination signal sequence (RSS) consists of two conserved sequences (heptamer, 5'-CACAGTG-3', and nonamer, 5'-ACAAAAACC-3'), separated by a spacer of either 12 +/- 1 bp ("12-signal") or 23 +/- 1 bp ("23-signal"). A number of nucleotide positions have been identified as important for recombination including the CA dinucleotide at position one and two of the heptamer, and a C at heptamer position three has also been shown to be strongly preferred as well as an A nucleotide at positions 5, 6, 7 of the nonamer. (Ramsden et. al 1994; Akamatsu et. al. 1994; Hesse et. al. 1989). Mutations of other nucleotides have minimal or inconsistent effects. The spacer, although more variable, also has an impact on recombination, and single-nucleotide replacements have been shown to significantly impact recombination efficiency (Fanning et. al. 1996, Larijani et. al 1999; Nadel et. al. 1998). Criteria have been described for identifying RSS polynucleotide

sequences having significantly different recombination efficiencies (Ramsden et. al 1994; Akamatsu et. al. 1994; Hesse et. al. 1989 and Cowell et. al. 1994). Accordingly, the sequencing oligonucleotides may hybridize adjacent to a four base tag within the amplified J-encoding gene segments at positions +11 through +14 downstream of the RSS site. For example, sequencing oligonucleotides for TCRB may be designed to anneal to a consensus nucleotide motif observed just downstream of this "tag", so that the first four bases of a sequence read will uniquely identify the J-encoding gene segment (see, *e.g.*, WO/2012/027503).

[00192] The average length of the CDR3-encoding region, for the TCR, defined as the nucleotides encoding the TCR polypeptide between the second conserved cysteine of the V segment and the conserved phenylalanine of the J segment, is 35+/-3 nucleotides. Accordingly and in certain embodiments, PCR amplification using V-segment oligonucleotide primers with J-segment oligonucleotide primers that start from the J segment tag of a particular TCR or IgH J region (*e.g.*, TCR Jβ, TCR Jγ or IgH JH as described herein) will nearly always capture the complete V-D-J junction in a 50 base pair read. The average length of the IgH CDR3 region, defined as the nucleotides between the conserved cysteine in the V segment and the conserved phenylalanine in the J segment, is less constrained than at the TCRβ locus, but will typically be between about 10 and about 70 nucleotides. Accordingly and in certain embodiments, PCR amplification using V-segment oligonucleotide primers with J-segment oligonucleotide primers that start from the IgH J segment tag will capture the complete V-D-J junction in a 100 base pair read.

[00193] PCR primers that anneal to and support polynucleotide extension on mismatched template sequences are referred to as promiscuous primers. In certain embodiments, the TCR and Ig J-segment reverse PCR primers may be designed to minimize overlap with the sequencing oligonucleotides, in order to minimize promiscuous priming in the context of multiplex PCR. In one embodiment, the TCR and Ig J-segment reverse primers may be anchored at the 3' end by annealing to the consensus splice site motif, with minimal overlap of the sequencing primers. Generally, the TCR and Ig V and J-segment primers may be selected to operate in PCR at consistent annealing temperatures using known sequence/primer design and analysis programs under default parameters.

[00194] For the sequencing reaction, the exemplary IGHJ sequencing primers extend three nucleotides across the conserved CAG sequences as described in WO/2012/027503.

Samples

[00195] The subject or biological source, from which a test biological sample may be obtained, may be a human or non-human animal, or a transgenic or cloned or tissue-engineered (including through the use of stem cells) organism. In certain preferred embodiments of the invention, the subject or biological source may be known to have, or may be suspected of having or being at risk for having, a circulating or solid tumor or other malignant condition, or an autoimmune disease, or an inflammatory condition, and in certain preferred embodiments of the invention the subject or biological source may be known to be free of a risk or presence of such disease.

[00196] Certain preferred embodiments contemplate a subject or biological source that is a human subject such as a patient that has been diagnosed as having or being at risk for developing or acquiring cancer according to art-accepted clinical diagnostic criteria, such as those of the U.S. National Cancer Institute (Bethesda, MD, USA) or as described in *DeVita, Hellman, and Rosenberg's Cancer: Principles and Practice of Oncology* (2008, Lippincott, Williams and Wilkins, Philadelphia/ Ovid, New York); Pizzo and Poplack, *Principles and Practice of Pediatric Oncology* (Fourth edition, 2001, Lippincott, Williams and Wilkins, Philadelphia/ Ovid, New York); and Vogelstein and Kinzler, *The Genetic Basis of Human* Cancer (Second edition, 2002, McGraw Hill Professional, New York); certain embodiments contemplate a human subject that is known to be free of a risk for having, developing or acquiring cancer by such criteria.

[00197] Certain other embodiments contemplate a non-human subject or biological source, for example a non-human primate such as a macaque, chimpanzee, gorilla, vervet, orangutan, baboon or other non-human primate, including such non-human subjects that may be known to the art as preclinical models, including preclinical models for solid tumors and/or other cancers. Certain other embodiments contemplate a non-human subject that is a mammal, for example, a mouse, rat, rabbit, pig, sheep, horse, bovine, goat, gerbil, hamster, guinea pig or other mammal; many such mammals may be subjects that are known to the art as preclinical models for certain diseases or disorders, including circulating or solid tumors and/or other cancers (*e.g.,* Talmadge et al., 2007 *Am. J. Pathol.* 170:793; Kerbel, 2003 *Canc. Biol. Therap.* 2(4 Suppl 1):S134; Man et al., 2007 *Canc. Met. Rev.* 26:737; Cespedes et al., 2006 *Clin. Transl. Oncol.* 8:318). The range of embodiments is not intended to be so limited, however, such that there are also contemplated other embodiments in which the subject or biological source may be a non-mammalian vertebrate, for example, another higher

vertebrate, or an avian, amphibian or reptilian species, or another subject or biological source.

[00198] Biological samples may be provided by obtaining a blood sample, biopsy specimen, tissue explant, organ culture, biological fluid or any other tissue or cell preparation from a subject or a biological source. Preferably the sample comprises DNA from lymphoid cells of the subject or biological source, which, by way of illustration and not limitation, may contain rearranged DNA at one or more TCR or BCR loci. In certain embodiments a test biological sample may be obtained from a solid tissue (*e.g.,* a solid tumor), for example by surgical resection, needle biopsy or other means for obtaining a test biological sample that contains a mixture of cells.

[00199] According to certain embodiments it may be desirable to isolate lymphoid cells (*e.g.*, T cells and/or B cells) according to any of a large number of established methodologies, where isolated lymphoid cells are those that have been removed or separated from the tissue, environment or milieu in which they naturally occur. B cells and T cells can thus be obtained from a biological sample, such as from a variety of tissue and biological fluid samples including bone marrow, thymus, lymph glands, lymph nodes, peripheral tissues and blood, but peripheral blood is most easily accessed. Any peripheral tissue can be sampled for the presence of B and T cells and is therefore contemplated for use in the methods described herein. Tissues and biological fluids from which adaptive immune cells, may be obtained include, but are not limited to skin, epithelial tissues, colon, spleen, a mucosal secretion, oral mucosa, intestinal mucosa, vaginal mucosa or a vaginal secretion, cervical tissue, ganglia, saliva, cerebrospinal fluid (CSF), bone marrow, cord blood, serum, serosal fluid, plasma, lymph, urine, ascites fluid, pleural fluid, pericardial fluid, peritoneal fluid, abdominal fluid, culture medium, conditioned culture medium or lavage fluid. In certain embodiments, adaptive immune cells may be isolated from an apheresis sample. Peripheral blood samples may be obtained by phlebotomy from subjects. Peripheral blood mononuclear cells (PBMC) are isolated by techniques known to those of skill in the art, *e.g.*, by Ficoll-Hypaque® density gradient separation. In certain embodiments, whole PBMCs are used for analysis.

[00200] For nucleic acid extraction, total genomic DNA may be extracted from cells using methods known in the art and/or commercially available kits, *e.g.*, by using the QIAamp® DNA blood Mini Kit (QIAGEN®). The approximate mass of a single haploid genome is 3 pg. Preferably, at least 100,000 to 200,000 cells are used for analysis, *i.e.*, about 0.6 to 1.2 μg DNA from diploid T or B cells. Using PBMCs as a source, the number of T cells can be

estimated to be about 30% of total cells. The number of B cells can also be estimated to be about 30% of total cells in a PBMC preparation.

[00201] The Ig and TCR gene loci contain many different variable (V), diversity (D), and joining (J) gene segments, which are subjected to rearrangement processes during early lymphoid differentiation. Ig and TCR V, D and J gene segment sequences are known in the art and are available in public databases such as GENBANK. The V-D-J rearrangements are mediated via a recombinase enzyme complex in which the RAG1 and RAG2 proteins play a key role by recognizing and cutting the DNA at the recombination signal sequences (RSS), which are located downstream of the V gene segments, at both sides of the D gene segments, and upstream of the J gene segments. Inappropriate RSS reduce or even completely prevent rearrangement. The recombination signal sequence (RSS) consists of two conserved sequences (heptamer, 5'-CACAGTG-3', and nonamer, 5'-ACAAAAACC-3'), separated by a spacer of either 12 +/- 1 bp ("12-signal") or 23 +/- 1 bp ("23-signal").

[00202] A number of nucleotide positions have been identified as important for recombination including the CA dinucleotide at position one and two of the heptamer, and a C at heptamer position three has also been shown to be strongly preferred as well as an A nucleotide at positions 5, 6, 7 of the nonamer. (Ramsden et al. 1994 *Nucl. Ac. Res.* 22:1785; Akamatsu et. al. 1994 *J. Immunol.* 153:4520; Hesse et. al. 1989 *Genes Dev.* 3:1053). Mutations of other nucleotides have minimal or inconsistent effects. The spacer, although more variable, also has an impact on recombination, and single-nucleotide replacements have been shown to significantly impact recombination efficiency (Fanning et. al. 1996 *Cell. Immunol. Immunopath.* 79:1, Larijani et al. 1999 *Nucl. Ac. Res.* 27:2304; Nadel et al. 1998 *J. Immunol.* 161:6068; Nadel et al., 1998 *J. Exp. Med.* 187:1495). Criteria have been described for identifying RSS polynucleotide sequences having significantly different recombination efficiencies (Ramsden et al 1994 *Nucl. Ac. Res.* 22:1785; Akamatsu et. al. 1994 *J. Immunol.* 153:4520; Hesse et al. 1989 *Genes Dev.* 3:1053, and Lee et al., 2003 *PLoS* 1(1):E1).

[00203] The rearrangement process generally starts with a D to J rearrangement followed by a V to D-J rearrangement in the case of Ig heavy chain (IgH), TCR beta (TCRB), and TCR delta (TCRD) genes or concerns direct V to J rearrangements in case of Ig kappa (IgK), Ig lambda (IgL), TCR alpha (TCRA), and TCR gamma (TCRG) genes. The sequences between rearranging gene segments are generally deleted in the form of a circular excision product, also called TCR excision circle (TREC) or B cell receptor excision circle (BREC).

[00204] The many different combinations of V, D, and J gene segments represent the so-called combinatorial repertoire, which is estimated to be ~$2x10^6$ for Ig molecules, ~$3x10^6$ for TCR$\alpha\beta$ and ~ $5x10^3$ for TCR$\gamma\delta$ molecules. At the junction sites of the V, D, and J gene segments, deletion and random insertion of nucleotides occurs during the rearrangement process, resulting in highly diverse junctional regions, which significantly contribute to the total repertoire of Ig and TCR molecules, estimated to be > 10^{12}.

[00205] Mature B-lymphocytes further extend their Ig repertoire upon antigen recognition in follicle centers via somatic hypermutation, a process, leading to affinity maturation of the Ig molecules. The somatic hypermutation process focuses on the V- (D-) J exon of IgH and Ig light chain genes and concerns single nucleotide mutations and sometimes also insertions or deletions of nucleotides. Somatically-mutated Ig genes are also found in mature B-cell malignancies of follicular or post-follicular origin.

[00206] In certain embodiments described herein, V-segment and J-segment primers may be employed in a PCR reaction to amplify rearranged TCR or BCR CDR3-encoding DNA regions in a test biological sample, wherein each functional TCR or Ig V-encoding gene segment comprises a V gene recombination signal sequence (RSS) and each functional TCR or Ig J-encoding gene segment comprises a J gene RSS. In these and related embodiments, each amplified rearranged DNA molecule may comprise (i) at least about 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 (including all integer values therebetween) or more contiguous nucleotides of a sense strand of the TCR or Ig V-encoding gene segment, with the at least about 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 or more contiguous nucleotides being situated 5' to the V gene RSS and/or each amplified rearranged DNA molecule may comprise (ii) at least about 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, 500 (including all integer values therebetween) or more contiguous nucleotides of a sense strand of the TCR or Ig J-encoding gene segment, with the at least about 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, 500 or more contiguous nucleotides being situated 3' to the J gene RSS.

[00207] The practice of certain embodiments of the present invention will employ, unless indicated specifically to the contrary, conventional methods in microbiology, molecular biology, biochemistry, molecular genetics, cell biology, virology and immunology techniques that are within the skill of the art, and reference to several of which is made below for the purpose of illustration. Such techniques are explained fully in the literature. See, *e.g.*, Sambrook, et al., *Molecular Cloning: A Laboratory Manual* (3rd Edition, 2001); Sambrook, et

al., *Molecular Cloning: A Laboratory Manual* (2nd Edition, 1989); Maniatis et al., *Molecular Cloning: A Laboratory Manual* (1982); Ausubel et al., *Current Protocols in Molecular Biology* (John Wiley and Sons, updated July 2008); *Short Protocols in Molecular Biology: A Compendium of Methods from Current Protocols in Molecular Biology*, Greene Pub. Associates and Wiley-Interscience; Glover, *DNA Cloning: A Practical Approach*, vol. I & II (IRL Press, Oxford Univ. Press USA, 1985); *Current Protocols in Immunology* (Edited by: John E. Coligan, Ada M. Kruisbeek, David H. Margulies, Ethan M. Shevach, Warren Strober 2001 John Wiley & Sons, NY, NY); *Real-Time PCR: Current Technology and Applications*, Edited by Julie Logan, Kirstin Edwards and Nick Saunders, 2009, Caister Academic Press, Norfolk, UK; Anand, *Techniques for the Analysis of Complex Genomes*, (Academic Press, New York, 1992); Guthrie and Fink, *Guide to Yeast Genetics and Molecular Biology* (Academic Press, New York, 1991); *Oligonucleotide Synthesis* (N. Gait, Ed., 1984); *Nucleic Acid Hybridization* (B. Hames & S. Higgins, Eds., 1985); *Transcription and Translation* (B. Hames & S. Higgins, Eds., 1984); *Animal Cell Culture* (R. Freshney, Ed., 1986); Perbal, *A Practical Guide to Molecular Cloning* (1984); *Next-Generation Genome Sequencing* (Janitz, 2008 Wiley-VCH); *PCR Protocols (Methods in Molecular Biology)* (Park, Ed., 3rd Edition, 2010 Humana Press); *Immobilized Cells And Enzymes* (IRL Press, 1986); the treatise, *Methods In Enzymology* (Academic Press, Inc., N.Y.); *Gene Transfer Vectors For Mammalian Cells* (J. H. Miller and M. P. Calos eds., 1987, Cold Spring Harbor Laboratory); Harlow and Lane, *Antibodies*, (Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., 1998); *Immunochemical Methods In Cell And Molecular Biology* (Mayer and Walker, eds., Academic Press, London, 1987); *Handbook Of Experimental Immunology*, Volumes I-IV (D. M. Weir and CC Blackwell, eds., 1986); Riott, *Essential Immunology,* 6th Edition, (Blackwell Scientific Publications, Oxford, 1988); *Embryonic Stem Cells: Methods and Protocols* (Methods in Molecular Biology) (Kurstad Turksen, Ed., 2002); *Embryonic Stem Cell Protocols: Volume I: Isolation and Characterization* (Methods in Molecular Biology) (Kurstad Turksen, Ed., 2006); *Embryonic Stem Cell Protocols: Volume II: Differentiation Models* (Methods in Molecular Biology) (Kurstad Turksen, Ed., 2006); *Human Embryonic Stem Cell Protocols* (Methods in Molecular Biology) (Kursad Turksen Ed., 2006); *Mesenchymal Stem Cells: Methods and Protocols* (Methods in Molecular Biology) (Darwin J. Prockop, Donald G. Phinney, and Bruce A. Bunnell Eds., 2008); *Hematopoietic Stem Cell Protocols* (Methods in Molecular Medicine) (Christopher A. Klug, and Craig T. Jordan Eds., 2001); *Hematopoietic Stem Cell Protocols*

(Methods in Molecular Biology) (Kevin D. Bunting Ed., 2008) *Neural Stem Cells: Methods and Protocols* (Methods in Molecular Biology) (Leslie P. Weiner Ed., 2008).

[00208] Unless specific definitions are provided, the nomenclature utilized in connection with, and the laboratory procedures and techniques of, molecular biology, analytical chemistry, synthetic organic chemistry, and medicinal and pharmaceutical chemistry described herein are those well known and commonly used in the art. Standard techniques may be used for recombinant technology, molecular biological, microbiological, chemical syntheses, chemical analyses, pharmaceutical preparation, formulation, and delivery, and treatment of patients.

[00209] The term "isolated" means that the material is removed from its original environment (*e.g.*, the natural environment if it is naturally occurring). For example, a naturally occurring tissue, cell, nucleic acid or polypeptide present in its original milieu in a living animal is not isolated, but the same tissue, cell, nucleic acid or polypeptide, separated from some or all of the co-existing materials in the natural system, is isolated. Such nucleic acid could be part of a vector and/or such nucleic acid or polypeptide could be part of a composition (*e.g.*, a cell lysate), and still be isolated in that such vector or composition is not part of the natural environment for the nucleic acid or polypeptide. The term "gene" means the segment of DNA involved in producing a polypeptide chain; it includes regions preceding and following the coding region "leader and trailer" as well as intervening sequences (introns) between individual coding segments (exons).

[00210] Unless the context requires otherwise, throughout the present specification and claims, the word "comprise" and variations thereof, such as, "comprises" and "comprising" are to be construed in an open, inclusive sense, that is, as "including, but not limited to". By "consisting of" is meant including, and typically limited to, whatever follows the phrase "consisting of." By "consisting essentially of" is meant including any elements listed after the phrase, and limited to other elements that do not interfere with or contribute to the activity or action specified in the disclosure for the listed elements. Thus, the phrase "consisting essentially of" indicates that the listed elements are required or mandatory, but that no other elements are required and may or may not be present depending upon whether or not they affect the activity or action of the listed elements.

[00211] In this specification and the appended claims, the singular forms "a," "an" and "the" include plural references unless the content clearly dictates otherwise. As used herein, in particular embodiments, the terms "about" or "approximately" when preceding a

numerical value indicates the value plus or minus a range of 5%, 6%, 7%, 8% or 9%. In other embodiments, the terms "about" or "approximately" when preceding a numerical value indicates the value plus or minus a range of 10%, 11%, 12%, 13% or 14%. In yet other embodiments, the terms "about" or "approximately" when preceding a numerical value indicates the value plus or minus a range of 15%, 16%, 17%, 18%, 19% or 20%.

[00212] Reference throughout this specification to "one embodiment" or "an embodiment" or "an aspect" means that a particular feature, structure or characteristic described in connection with the embodiment is included in at least one embodiment of the present invention. Thus, the appearances of the phrases "in one embodiment" or "in an embodiment" in various places throughout this specification are not necessarily all referring to the same embodiment. Furthermore, the particular features, structures, or characteristics may be combined in any suitable manner in one or more embodiments.

EXAMPLES

Example 1: Single Molecule Labeling.

[00213] The single molecule labeling process used a Polymerase Chain Reaction approach to tag adaptive immune receptor encoding sequences with a unique barcode and a universal primer. The PCR reaction to tag the individual barcodes used QIAGEN Multiplex PCR master mix (QIAGEN part number 206145, Qiagen, Valencia, CA), 10% Q- solution (QIAGEN), and 300 ng of template DNA. The pooled primers were added so the final reaction had an aggregate forward primer concentration of 2 uM and an aggregate reverse primer concentration of 2 uM. The forward primers were composed of nucleotide sequence portions that annealed to V genes (segments that annealed to the V genes are shown in Table 2) and at the 5' end a universal primer (pGEX f, Table 3). The aggregate primer is listed in Table 6. These primers may, for greater specificity, have a random nucleotide insertion between the 3' end of the V primer and the 5' end of the universal primer sequence. The reverse primers have a section of nucleotides that can anneal to the J gene region (Table 2), on the 5' end of the J primer an 8 bp barcode composed of random nucleotides, and on the 5' end of the 8 bp random barcode a universal primer (pGEXr, Table 3). An example of these primers is listed in Table 5. The 8 bp barcode made of random nucleotides may be shorter or longer, additional basepairs increase the number of unique barcodes.

[00214] The nucleotide tags were incorporated onto the molecules in a 7 cycle PCR reaction. The thermocycle conditions were: 95° C for 5 minutes, followed by 7 cycles of 95°

for 30 sec, 68° for 90 sec, and 72° for 30 sec. Following cycling, the rxn is held for 10 minutes at 72°.

[00215] Once the antigen receptor molecules were tagged by the primers carrying a random 8 bp tag, any remaining primers were destroyed using ExoSAP-IT (Product # 78200, Affymetrix, Santa Clara, CA). ExoSAP-IT is a product from Affymetrix that uses Exonuclease I and Shrimp Alkaline Phosphatase activities; the Exonuclease I destroys single stranded DNA and SAP degrades dNTPs. For this example, 10 ul of PCR reagents and 4 ul of exoSAP-IT were used. The reaction was incubated for 15 minutes at 37°C and the ExoSAP-it was inactivated by a 15 minute incubation at 80°C. At this point, the molecules were uniquely tagged with a barcode and a universal primer. To amplify the tagged products, another PCR reaction was performed with the universal pGEX primers. This reaction used QIAGEN Multiplex PCR master mix (QIAGEN part number 206145, Qiagen, Valencia, CA), 10% Q- solution (QIAGEN), and 6 ul of cleaned PCR reaction as template. The forward universal (pGEXf) primer was added to the mix so the final concentration was 2 uM and the reverse universal primer (pgEXr) was added to the reaction so its final concentration was 2uM. To sequence these molecules, an Illumina adapter was incorporated using the pGEX primers. The reaction conditions were the same as above, except that the primers were replaced with the tailing primers (Table 7 below (SEQ ID NOs: 5686-5877). The Illumina adapters, which also included an 8 bp tag and a 6 bp random set of nucleotides, were incorporated onto the molecules in a 7 cycle PCR reaction. The thermocycle conditions were: 95° C for 5 minutes, followed by 7 cycles of 95° for 30 sec, 68° for 90 sec, and 72° for 30 sec. Following cycling, the reaction was held for 10 minutes at 72°.

[00216] Once the labeled molecules were "tailed" with Illumina adaptors, they were amenable to sequencing. For this example, sequencing was conducted through the 8 bp randomer into the adaptive immune receptor encoding sequence on an Illumina HISEQ™ sequencing platform. The sequenced molecules included an 8 bp random tag. Every sequenced molecule having identical CDR3 and 8 bp random tag sequences was amplified from the adaptive immune receptor encoding polynucleotide sequences of a single cell.

[00217] Table 5 shows the J primers for the single molecule sequencing (reverse primers) and Table 6 shows the V primers (forward primers). The PCR protocol is short: 1st PCR (5 cycles) with the above primers to uniquely tag each molecule, followed by a second PCR (35 cycles) with a universal primer (PGEX) to amplify the molecules. These reactions are followed by a PCR reaction to tail on the Illumina adapters.

Table 5

J Primer Name	Bases	SEQ ID NO:	Sequence
pGEXr_TCRBJ1-1_vD12	60	5613	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NGT CTT ACC TAC AAC TGT GAG TCT GGT GCC
pGEXr_TCRBJ1-2_vD12	59	5614	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCC TTA CCT ACA ACG GTT AAC CTG GTC CC
pGEXr_TCRBJ1-3_vD12	62	5615	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCT TAC TCA CCT ACA ACA GTG AGC CAA CTT CC
pGEXr_TCRBJ1-4_vD12	57	5616	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NAT ACC CAA GAC AGA GAG CTG GGT TCC
pGEXr_TCRBJ1-5_vD12	60	5617	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NAA CTT ACC TAG GAT GGA GAG TCG AGT CCC
pGEXr_TCRBJ1-6_vD12	53	5618	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCT GTC ACA GTG AGC CTG GTC CC
pGEXr_TCRBJ2-1_vD12	49	5619	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCA CGG TGA GCC GTG TCC C
pGEXr_TCRBJ2-2_vD12	53	5620	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCC AGT ACG GTC AGC CTA GAG CC

pGEXr_TCRBJ2-3_vD12	49	5621	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCA CTG TCA GCC GGG TGC C
pGEXr_TCRBJ2-4_vD12	49	5622	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCA CTG AGA GCC GGG TCC C
pGEXr_TCRBJ2-5_vD12	48	5623	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NAC CAG GAG CCG CGT GCC
pGEXr_TCRBJ2-6_vD12	49	5624	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NCA CGG TCA GCC TGC TGC C
pGEXr_TCRBJ2-7_vD12	49	5625	CCG GGA GCT GCA TGT GTC AGA GGN NNN NNN NGA CCG TGA GCC TGG TGC C

Table 6

Primer Name	SEQ ID NO:	Sequence
pGEXf_TCRBV01_verD10	5626	GGGCTGGCAAGCCACGTTTGGTGGAATGCCCTGAC AGCTCTCGCTTATA
pGEXf_TCRBV02_verD10	5627	GGGCTGGCAAGCCACGTTTGGTGCTCAGAGAAGTC TGAAATATTCGATGATCAATTCTCAGTTG
pGEXf_TCRBV03-1_verD10	5628	GGGCTGGCAAGCCACGTTTGGTGCCAAATCGMTTC TCACCTAAATCTCCAGACAAAG
pGEXf_TCRBV03-2_verD10	5629	GGGCTGGCAAGCCACGTTTGGTGCACCTGACTCTCC AGACAAAGCTCAT
pGEXf_TCRBV04-1/2/3_verD10	5630	GGGCTGGCAAGCCACGTTTGGTGCCTGAATGCCCCA ACAGCTCTC
pGEXf_TCRBV05-1_verD10	5631	GGGCTGGCAAGCCACGTTTGGTGGATTCTCAGGGC GCCAGTTCTCTA

pGEXf_TCRB V05-2_verD10	5632	GGGCTGGCAAGCCACGTTTGGTGCCTAATTGATTCT CAGCTCACCACGTCCATA
pGEXf_TCRB V05-3_verD10	5633	GGGCTGGCAAGCCACGTTTGGTGTCAGGGCGCCAG TTCCATG
pGEXf_TCRB V05-4_verD10	5634	GGGCTGGCAAGCCACGTTTGGTGTCCTAGATTCTCA GGTCTCCAGTTCCCTA
pGEXf_TCRB V05-5_verD10	5635	GGGCTGGCAAGCCACGTTTGGTGGAGGAAACTTCC CTGATCGATTCTCAGC
pGEXf_TCRB V05-6_verD10	5636	GGGCTGGCAAGCCACGTTTGGTGCAACTTCCCTGAT CGATTCTCAGGTCA
pGEXf_TCRB V05-7_verD10	5637	GGGCTGGCAAGCCACGTTTGGTGAGGAAACTTCCCT GATCAATTCTCAGGTCA
pGEXf_TCRB V05-8_verD10	5638	GGGCTGGCAAGCCACGTTTGGTGGGAAACTTCCCTC CTAGATTTTCAGGTCG
pGEXf_TCRB V06-1_verD10	5639	GGGCTGGCAAGCCACGTTTGGTGCCCCAATGGCTAC AATGTCTCCAGATT
pGEXf_TCRB V06-2/3_verD10	5640	GGGCTGGCAAGCCACGTTTGGTGGGAGAGGTCCCT GATGGCTACAA
pGEXf_TCRB V06-4_verD10	5641	GGGCTGGCAAGCCACGTTTGGTGTCCCTGATGGTTA TAGTGTCTCCAGAGC
pGEXf_TCRB V06-5_verD10	5642	GGGCTGGCAAGCCACGTTTGGTGGGAGAAGTCCCC AATGGCTACAATGTC
pGEXf_TCRB V06-6_verD10	5643	GGGCTGGCAAGCCACGTTTGGTGAAAGGAGAAGTC CCGAATGGCTACAA
pGEXf_TCRB V06-7_verD10	5644	GGGCTGGCAAGCCACGTTTGGTGGTTCCCAATGGCT ACAATGTCTCCAGATC
pGEXf_TCRB V06-8_verD10	5645	GGGCTGGCAAGCCACGTTTGGTGGAAGTCCCCAAT GGCTACAATGTCTCTAGATT
pGEXf_TCRB V06-9_verD10	5646	GGGCTGGCAAGCCACGTTTGGTGGAGAAGTCCCCG ATGGCTACAATGTA
pGEXf_TCRB	5647	GGGCTGGCAAGCCACGTTTGGTGGTGATCGGTTCTC

V07-1_verD10		TGCACAGAGGT
pGEXf_TCRB V07-2_verD10	5648	GGGCTGGCAAGCCACGTTTGGTGCGCTTCTCTGCAG AGAGGACTGG
pGEXf_TCRB V07-3_verD10	5649	GGGCTGGCAAGCCACGTTTGGTGGGTTCTTTGCAGT CAGGCCTGA
pGEXf_TCRB V07-4_verD10	5650	GGGCTGGCAAGCCACGTTTGGTGCAGTGGTCGGTTC TCTGCAGAG
pGEXf_TCRB V07-5_verD10	5651	GGGCTGGCAAGCCACGTTTGGTGGCTCAGTGATCA ATTCTCCACAGAGAGGT
pGEXf_TCRB V07-6/7_verD10	5652	GGGCTGGCAAGCCACGTTTGGTGTTCTCTGCAGAGA GGCCTGAGG
pGEXf_TCRB V07-8_verD10	5653	GGGCTGGCAAGCCACGTTTGGTGCCCAGTGATCGCT TCTTTGCAGAAA
pGEXf_TCRB V07-9_verD10	5654	GGGCTGGCAAGCCACGTTTGGTGCTGCAGAGAGGC CTAAGGGATCT
pGEXf_TCRB V08-1_verD10	5655	GGGCTGGCAAGCCACGTTTGGTGGAAGGGTACAAT GTCTCTGGAAACAAACTCAAG
pGEXf_TCRB V08-2_verD10	5656	GGGCTGGCAAGCCACGTTTGGTGGGGGTACTGTGTT TCTTGAAACAAGCTTGAG
pGEXf_TCRB V09_verD10	5657	GGGCTGGCAAGCCACGTTTGGTGCAGTTCCCTGACT TGCACTCTGAACTAAAC
pGEXf_TCRB V10-1_verD10	5658	GGGCTGGCAAGCCACGTTTGGTGACTAACAAAGGA GAAGTCTCAGATGGCTACAG
pGEXf_TCRB V10-2_verD10	5659	GGGCTGGCAAGCCACGTTTGGTGAGATAAAGGAGA AGTCCCCGATGGCTA
pGEXf_TCRB V10-3_verD10	5660	GGGCTGGCAAGCCACGTTTGGTGGATACTGACAAA GGAGAAGTCTCAGATGGCTATAG
pGEXf_TCRB V11-1/2/3_verD10	5661	GGGCTGGCAAGCCACGTTTGGTGCTAAGGATCGATT TTCTGCAGAGAGGCTC
pGEXf_TCRB	5662	GGGCTGGCAAGCCACGTTTGGTGTTGATTCTCAGCA

V12-1_verD10		CAGATGCCTGATGT
pGEXf_TCRB V12-2_verD10	5663	GGGCTGGCAAGCCACGTTTGGTGATTCTCAGCTGAG AGGCCTGATGG
pGEXf_TCRB V12-3/4_verD10	5664	GGGCTGGCAAGCCACGTTTGGTGGGATCGATTCTCA GCTAAGATGCCTAATGC
pGEXf_TCRB V12-5_verD10	5665	GGGCTGGCAAGCCACGTTTGGTGCTCAGCAGAGAT GCCTGATGCAACTTTA
pGEXf_TCRB V13_verD10	5666	GGGCTGGCAAGCCACGTTTGGTGCTGATCGATTCTC AGCTCAACAGTTCAGT
pGEXf_TCRB V14_verD10	5667	GGGCTGGCAAGCCACGTTTGGTGTAGCTGAAAGGA CTGGAGGGACGTAT
pGEXf_TCRB V15_verD10	5668	GGGCTGGCAAGCCACGTTTGGTGCCAGGAGGCCGA ACACTTCTTTCT
pGEXf_TCRB V16_verD10	5669	GGGCTGGCAAGCCACGTTTGGTGGCTAAGTGCCTCC CAAATTCACCCT
pGEXf_TCRB V17_verD10	5670	GGGCTGGCAAGCCACGTTTGGTGCACAGCTGAAAG ACCTAACGGAACGT
pGEXf_TCRB V18_verD10	5671	GGGCTGGCAAGCCACGTTTGGTGCTGCTGAATTTCC CAAAGAGGGCC
pGEXf_TCRB V19_verD10	5672	GGGCTGGCAAGCCACGTTTGGTGAGGGTACAGCGT CTCTCGGG
pGEXf_TCRB V20_verD10	5673	GGGCTGGCAAGCCACGTTTGGTGGCCTGACCTTGTC CACTCTGACA
pGEXf_TCRB V21_verD10	5674	GGGCTGGCAAGCCACGTTTGGTGATGAGCGATTTTT AGCCCAATGCTCCA
pGEXf_TCRB V22_verD10	5675	GGGCTGGCAAGCCACGTTTGGTGTGAAGGCTACGT GTCTGCCAAGAG
pGEXf_TCRB V23_verD10	5676	GGGCTGGCAAGCCACGTTTGGTGCTCATCTCAATGC CCCAAGAACGC
pGEXf_TCRB V24_verD10	5677	GGGCTGGCAAGCCACGTTTGGTGAGATCTCTGATGG ATACAGTGTCTCTCGACA

pGEXf_TCRB V25_verD10	5678	GGGCTGGCAAGCCACGTTTGGTGAGATCTTTCCTCT GAGTCAACAGTCTCCAGAATA
pGEXf_TCRB V26_verD10	5679	GGGCTGGCAAGCCACGTTTGGTGCACTGAAAAAGG AGATATCTCTGAGGGGTATCATG
pGEXf_TCRB V27_verD10	5680	GGGCTGGCAAGCCACGTTTGGTGGTTCCTGAAGGGT ACAAAGTCTCTCGAAAAG
pGEXf_TCRB V28_verD10	5681	GGGCTGGCAAGCCACGTTTGGTGCTGAGGGGTACA GTGTCTCTAGAGAGA
pGEXf_TCRB V29_verD10	5682	GGGCTGGCAAGCCACGTTTGGTGAGCCGCCCAAAC CTAACATTCTCAA
pGEXf_TCRB V30_verD10	5683	GGGCTGGCAAGCCACGTTTGGTGCCCAGGACCGGC AGTTCA
pGEXf_TCRB VA_verD10	5684	GGGCTGGCAAGCCACGTTTGGTGTTGATTAGAGAC ATATCCCTATTGAAAATATTTCCTGGCA
pGEXf_TCRB VB_verD10	5685	GGGCTGGCAAGCCACGTTTGGTGAGATGCCCTGAG TCAGCATAGTCATTCTAAC

Table 7. Exemplary Tailing Primers

Sequence	SEQ ID NO:
AAT GAT ACG GCG ACC ACC GAG ATC TAC ACC GGT CTC GGC ATT CCT GCT GAA CCG CTC TTC CGA TCT NNN NNN CAA GGT CAC CGG GAG CTG CAT GTG TCA GAG G	5686
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AAT GAT ACG GCG ACC ACC GAG ATC TAC ACC GGT CTC GGC ATT CCT	5695

GCT GAA CCG CTC TTC CGA TCT NNN NNN ACG TAC TCC CGG GAG CTG CAT GTG TCA GAG G	
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CAT GTG TCA GAG G	
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GCT GAA CCG CTC TTC CGA TCT NNN NNN ACA CAC GTC CGG GAG CTG CAT GTG TCA GAG G	
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CAT GTG TCA GAG G	
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AAT GAT ACG GCG ACC ACC GAG ATC TAC ACC GGT CTC GGC ATT CCT GCT GAA CCG CTC TTC CGA TCT NNN NNN ACT CAA TGC CGG GAG CTG CAT GTG TCA GAG G	5769

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AAT GAT ACG GCG ACC ACC GAG ATC TAC ACC GGT CTC GGC ATT CCT GCT GAA CCG CTC TTC CGA TCT NNN NNN CGA ACT ACC CGG GAG CTG CAT GTG TCA GAG G	5779
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CAT GTG TCA GAG G	
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CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCT GAT ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5788
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAT ATG CTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5789
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CGT AAT TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5790
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG	5791

CTC TTC CGA TCT ACG TAC TCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	
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CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ACT ATG ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5793
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAC GTT AAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5794
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ACA AGA TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5795
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAC TAA GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5796
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CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTC ACT AGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5798
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AAT CGG ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5799
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGT ACC GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5800
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTG CCT CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5801

CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCG TTA GCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5802
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAT AGT TCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5803
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CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GTA CAG TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5808
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATC CAT GGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5809
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGA TGC GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5810
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GTA GCA GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5811
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GGA TCA TCN NNN NNG GGC TGG CAA GCC ACG TTT	5812

GGT G	
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GTG AAC GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5813
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATT AAG CGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5814
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAT TGG CGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5815
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CGA TTA CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5816
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGT CAT CGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5817
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAT CAA GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5818
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGG CTT GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5819
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAT AAC CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5820
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AAT CCT GCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5821
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GTT ATA TCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5822
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG	5823

CTC TTC CGA TCT ACA CAC GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATA CGA CTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5824
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATC TTC GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5825
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ACA TGT ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5826
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCC ACA GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5827
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAG TCT GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5828
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCC ATG TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5829
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCA CTG CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5830
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATG GTC AAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5831
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAA GTC ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5832
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAG ACG GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5833

CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAG CTC TTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5834
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAG CGA TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5835
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CTC GAG AAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5836
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATG ACA CCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5837
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CTT CAC GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5838
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CTA TAA GGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5839
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CGT AGA GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5840
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ATA GAT ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5841
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCG TCG ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5842
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAA GAA TCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5843
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AAT GAC AGN NNN NNG GGC TGG CAA GCC ACG TTT	5844

GGT G	
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGC TAG TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5845
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGA GAC CTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5846
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGC GTA ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5847
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TAA CCA AGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5848
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAT GGC TTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5849
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GCA TCT GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5850
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTC CGG TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5851
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAC ACT CTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5852
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTA AGC ATN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5853
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGC TAC ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5854
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG	5855

CTC TTC CGA TCT TCA GCT TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAT GTA GAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5856
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTC GGA ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5857
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GCA ATT CGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5858
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CAA GAG GTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5859
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TCG ATT AAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5860
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GAA TGG ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5861
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGA ATC AGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5862
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AAC TGC CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5863
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AAG TAA CGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5864
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT ACT CAA TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5865

CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CCT AGT AGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5866
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CTG ACG TTN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5867
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGC AGA CAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5868
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGT TGA CCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5869
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GTC TCC TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5870
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CTG CAA TCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5871
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TGA GCG AAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5872
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTG GAC TGN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5873
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT AGC AAT CCN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5874
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT CGA ACT ACN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5875
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT TTA ATG GCN NNN NNG GGC TGG CAA GCC ACG TTT	5876

GGT G	
CAA GCA GAA GAC GGC ATA CGA GAT ACA CTC TTT CCC TAC ACG ACG CTC TTC CGA TCT GCT TAG TAN NNN NNG GGC TGG CAA GCC ACG TTT GGT G	5877

Example 2: Single Cell Labeling of Adaptive Immune Receptor Encoding Sequences

[00218] This example describes single cell labeling of immunoglobulin and T cell receptor heavy and light chain encoding sequences by RT-PCR. Freshly drawn blood from healthy human volunteers is used as a source of leukocytes. The amount of whole blood required to obtain 100,000 – 300,000 leukocytes is less than 1mL; 1-3 mL of blood are used for isolation of blood cells. Peripheral blood mononuclear cells (PBMC) are isolated from blood by density gradient centrifugation on Histopaque®-1077 (Sigma, St. Louis, MO) according to the supplier's instructions. $CD45^+$ hematopoietic cells are isolated by binding to anti-CD45 coated magnetic beads using Whole Blood CD45 Microbeads (Miltenyi Biotec, Auburn, CA) as instructed by the manufacturer and essentially as described in Koehl et al. (2003 *Leukemia* 17:232). Leukocyte cell suspensions are washed in phosphate-buffered saline solution (PBS) and adjusted to a concentration of 1 x 10^6 cells/ mL. Aliquots of 1-3 µL (1-3 x 10^3 cells) are distributed into wells of 96-well PCR multiwell plates held on ice in pre-chilled plate racks. Immediately after all plate wells are filled, the plates are sealed and placed on dry ice to freeze and lyse the cells. Plates are held on dry ice during the reverse transcription preparation steps below.

[00219] Reverse transcription is performed using the SMARTer™ Ultra Low RNA kit for Illumina sequencing (Clontech, Mountain View, CA) essentially according to the supplier's instructions. Stock Reaction Buffer is prepared by mixing 380 µl of Dilution Buffer with 20 µl of RNase inhibitor (40U/µl). 250 µl of Reaction Buffer is then mixed with 100 µl of a 12 µM solution of the 3' Smarter™ CDS II oligonucleotide (5'-Bio–AAGCAGTGGTATCAACGCAGAGTACT$_{(30)}$NN–3' [SEQ ID NO: 5878], where Bio is a biotin moiety; AAGCAGTGGTATCAACGCAGAGTAC [SEQ ID NO: 5879] is a universal adapter sequence, $T_{(30)}$ (SEQ ID NO: 5880) is a 30-mer of thymine residues, and N is any nucleotide (A, C, G or T).

[00220] The first-step annealing reactions for reverse transcription are set up by adding 3.5 µl of the Reaction Buffer containing the 3' Smarter™ CDS II oligonucleotide primer to each

well of the 96-well plate containing the lysed cells, sealing the plate and incubating it for 3 minutes at 72°C, after which it is returned to a chilled rack on ice.

[00221] Reverse Transcription Master Mix (450 µl for 100 rxns) is prepared by combining 200 µl of 5x First Strand Buffer, 25 µl of 100 mM dithithreitol (DTT), 100 µl of dNTPs (10mM), 25 µl of RNase inhibitor (40U/µl), and 100 µl of reverse transcriptase. A 96-well working plate is prepared containing 1.0 µl of a barcoded 3'-Smart™ CDSII oligonucleotide per well. The 3'-Smart CDSII oligo sequence is: 5'–AAGCAGTGGTATCAACGCAGAGTACBBBBBBBBrGrGrG–P-3' [SEQ ID NO: 5881] where AAGCAGTGGTATCAACGCAGAGTAC [SEQ ID NO: 5879] is a universal adapter sequence; BBBBBBBB is an 8-nucleotide barcode (see list below for examples of barcodes); rG is riboguanine; and P is a 3' phosphate blocking moiety.

Table 8. Barcode list (96 JS barcodes):

Name	Sequence
JS01	CAAGGTCA
JS02	GCATAACT
JS03	CTCTGATT
JS04	TACGTACG
JS05	TACGCGTT
JS06	CTCAGTGA
JS07	TCTGATAT
JS08	CATATGCT
JS09	CGTAATTA
JS10	ACGTACTC
JS11	CTTCTAAG
JS12	ACTATGAC
JS13	GACGTTAA
JS14	ACAAGATA
JS15	GACTAAGA
JS16	GTGTCTAC
JS17	TTCACTAG
JS18	AATCGGAT
JS19	AGTACCGA

JS20	TTGCCTCA
JS21	TCGTTAGC
JS22	TATAGTTC
JS23	TGGCGTAT
JS24	TGGACATG
JS25	AGGTTGCT
JS26	ATATGCTG
JS27	GTACAGTG
JS28	ATCCATGG
JS29	TGATGCGA
JS30	GTAGCAGT
JS31	GGATCATC
JS32	GTGAACGT
JS33	ATTAAGCG
JS34	TATTGGCG
JS35	CGATTACA
JS36	TGTCATCG
JS37	TATCAAGT
JS38	AGGCTTGA
JS39	GATAACCA
JS40	AATCCTGC
JS41	GTTATATC
JS42	ACACACGT
JS43	ATACGACT
JS44	ATCTTCGT
JS45	ACATGTAT
JS46	TCCACAGT
JS47	CAGTCTGT
JS48	TCCATGTG
JS49	TCACTGCA
JS50	ATGGTCAA
JS51	CAAGTCAC

JS52	TAGACGGA
JS53	CAGCTCTT
JS54	GAGCGATA
JS55	CTCGAGAA
JS56	ATGACACC
JS57	CTTCACGA
JS58	CTATAAGG
JS59	CGTAGAGT
JS60	ATAGATAC
JS61	TCGTCGAT
JS62	TAAGAATC
JS63	AATGACAG
JS64	AGCTAGTG
JS65	TGAGACCT
JS66	AGCGTAAT
JS67	TAACCAAG
JS68	GATGGCTT
JS69	GCATCTGA
JS70	TTCCGGTA
JS71	GACACTCT
JS72	TTAAGCAT
JS73	TGCTACAC
JS74	TCAGCTTG
JS75	CATGTAGA
JS76	TTCGGAAC
JS77	GCAATTCG
JS78	CAAGAGGT
JS79	TCGATTAA
JS80	GAATGGAC
JS81	AGAATCAG
JS82	AACTGCCA
JS83	AAGTAACG

JS84	ACTCAATG
JS85	CCTAGTAG
JS86	CTGACGTT
JS87	TGCAGACA
JS88	AGTTGACC
JS89	GTCTCCTA
JS90	CTGCAATC
JS91	TGAGCGAA
JS92	TTGGACTG
JS93	AGCAATCC
JS94	CGAACTAC
JS95	TTAATGGC
JS96	GCTTAGTA

[00222] To each well of the 96-well working plate containing 1.0 µl of a barcoded 3'-Smart™ CDSII oligonucleotide is added 4.5 µl of the Master Mix, and following completion of the annealing reaction, 5.5µl of the Master Mix containing barcoded 3'-Smart™ CDSII oligonucleotide is transferred from each well of the 96-well working plate to the correspondingly positioned (respective) wells of the reverse transcription annealing plate. The reverse transcription annealing plate is placed onto a thermocycler and a program is run with the steps 42°C for 90 minutes followed by 70°C for 10 minutes. This temperature profile performs first cDNA strand synthesis on all poly-A mRNA transcript molecules released from leukocytes in each well. According to non-limiting theory, after the first cDNA strand synthesis, each cDNA molecule in a well contains universal adaptor sequences at both the 5' and 3' ends, and is uniquely tagged with an 8-nt barcode at the 5' end.

[00223] Optionally, the barcoded cDNA molecules from all 96 reactions can be pooled at this step, and re-aliquoted onto a PCR plate where PCR amplification of immunoglobulin or T cell receptor cDNA takes place. The combining and splitting step permit substantially all barcoded cDNA molecules to be substantially evenly represented in subsequent PCR amplification reactions with adaptive immune receptor encoding (*e.g.*, IG or TCR) C-segment gene specific primers.

[00224] The products of reverse transcription/ cDNA first strand synthesis are next isolated by Solid Phase Reversible Immobilization Purification (SPRI) by mixing the

contents of each well from the reverse transcription reaction plate with 25 μl of a suspension of Ampure™ XP SPRI magnetic beads (Beckman-Coulter Inc., Brea, CA) and incubating for 8 minutes at room temperature, followed by bead separation using a MagnaBot™ magnetic separator (Promega, Madison, WI) at room temperature according to the suppliers' instructions.

[00225] SPRI bead-immobilized cDNA first strands are immediately added to 5'RACE (rapid amplification of cDNA ends) PCR amplification reactions using Advantage 2™ PCR reagents (Clontech) according to the manufacturer's instructions. For each reaction, 50 μl of PCR Master Mix is added containing dNTPs, UPM primer mix, IG/TCR primer mix as described elsewhere herein, and Advantage 2™ polymerase and PCR buffer. The thermocycling conditions are: 95°C for 1 minute; 30 cycles of 95°C for 30 seconds, 63°C for 30 seconds, and 72°C for 3 minutes; 72°C for 7 minutes; and then reactions are held at 10°C prior to preparation for Illumina sequencing. PCR primer sequences are:

5'RACE UPM long	5'-CTAATACGACTCACTATAGGGCAAGCAGTGGTATCAACGCAGAGT-3'(SEQ ID NO: 5611)
5'RACE UPM short	5'-CTAATACGACTCACTATAGGGC-3' (SEQ ID NO: 5612)

IgM_RACE	5′-GATGGAGTCGGGAAGGAAGTCCTGTGCGAG-3′ (SEQ ID NO: 5601)
IgG_RACE	5′-GGGAAGACSGATGGGCCCTTGGTGG-3′ (SEQ ID NO: 5602)
IgA_RACE	5′-CAGGCAKGCGAYGACCACGTTCCCATC-3′ (SEQ ID NO: 5603)
Igκ_RACE	5′-CATCAGATGGCGGGAAGATGAAGACAGATGGTGC-3′ (SEQ ID NO: 5604)
Igλ_RACE	5′-CCTCAGAGGAGGGTGGGAACAGAGTGAC-3′ (SEQ ID NO: 5605)
TCRB_RACE	5′-GCTCAAACACAGCGACCTCGGGTGGGAACAC-3′ (SEQ ID NO: 5606)
TCRA_RACE_JB2	5'-AGTCTCTCAGCTGGTACACGGCAGGGTC-3' (SEQ ID NO: 5591)
TCRA_50	5'- ACA GAC TTG TCA CTG GAT TTA GAG TCT CTC AGC TGG TAC ACG GCA GGG TC -3' (SEQ ID NO: 5592)
TCRB_50	5'- GAG ATC TCT GCT TCT GAT GGC TCA AAC ACA GCG ACC TCG GGT GGG AAC AC -3' (SEQ ID NO: 5593)
S	G or C
K	G or T
Y	C or T

Illumina Sequencing Library Preparation

[00226] PCR products are pooled by inverted centrifugation of the 96-well plates and the pooled products are purified to remove DNA fragments shorter than 200-300bp using Beckman Coulter Ampure™ XP beads according to the supplier's instructions. DNA purity is assessed by capillary electrophoresis using a Caliper Bioanalyzer (Perkin Elmer, Norwalk, CT) to confirm that most of the dsDNA is within a size range of 600-700 bp. dsDNA products are quantified fluorometrically or by A260 UV absorbance.

[00227] Sequencing library construction is conducted using 1 μg of purified DNA as an input for the Illumina TruSeq® sample preparation protocol (Illumina Inc., San Diego, CA) according to the Illumina TruSeq® DNA Sample Preparation Guide (Part number 15026486 Rev. C, July 2012, Illumina, Inc., San Diego, CA). This protocol generates a sequencing library that can be sequenced using the paired-end flow cell on the Illumina MiSeq®, HiSeq®2000, and HiSeq®2500 sequencers.

[00228] Illumina sequencing is conducted according to a sequencing protocol on the Illumina MiSeq® sequencer that utilizes the MiSeq® reagents kit v2, for 500 cycles. This chemistry provides kitted reagents for up to 525 cycles of sequencing on the MiSeq® instrument and provides sufficient reagents for a 251-cycle paired-end run, plus two eight-cycle indexed reads. The Illumina sequencing protocol is described in MiSeq® ReagentKit v2 ReagentPrepGuide, Part number 15034097 Rev. B, October 2012 (Illumina Inc., San Diego, CA). A schematic representation of the structure of DNA targets to be sequenced is shown in FIG. 6 (in which Ig heavy chain is used as an example).

Example 3: High-Throughput Pairing of T-Cell Receptor Alpha and Beta Sequences

[00229] An example is provided for applying the high-throughput pairing methods of the invention to pairing of α and β polypeptide chains of the T cell receptor (TCR) protein. The αβ T cell receptor (TCR) protein, which determines the antigenic specificity of an αβ T cell, is a heterodimer composed of two peptides: a longer β chain (TCRB) and a shorter α chain (TCRA) (*1-6*). Recently, high-throughput sequencing assays have been developed to profile TCR α and β chains and immunoglobulin heavy and light chains, with multiple diagnostic applications (*7-15*), including clinical diagnostics for the detection of cancer clones and the measurement of minimal residual disease in lymphoid malignancies (*13, 16-20*). However, high-throughput methods currently can sequence only one chain of the TCR at a time. In order to reconstitute T cell receptors for functional analysis, therapeutic use, or modeling of receptor-antigen binding, the α and β chains from a complete TCR must be identified as a pair.

[00230] There have been multiple attempts to pair α and β chains using single-cell technology. One approach has been to isolate individual B or T cells and physically link the heavy and light chains by bridge PCR prior to sequencing (See References *21-26* below). Alternatively, the heavy and light chains can be barcoded at the single cell level (See References *25, 27-31*). Although single-cell methods have improved significantly, they are still technically challenging and limited in throughput. They also require intact single cells, which makes it difficult to assess infiltrating T cells in tissue or solid tumors. The invention provides a method for pairing α and β chain sequences at high throughput without the need for single-cell methods using a combinatorics approach, rather than physical isolation, to match the pairs. As a first demonstration, Applicants have applied the technology to peripheral blood from a healthy donor to identify ~35,000 paired α and β TCR gene

sequences in a single experiment. The method can also be applied to tissue samples or both blood and tissue samples from a subject.

[00231] The method of the invention relies on the observation that rearranged TCRA and TCRB nucleotide sequences are nearly unique for each clonal population of T cells. Distinctive TCR sequences arise through recombination of gene segments and template-independent deletion or insertion of nucleotides at the V-J, V-D, and D-J junctions in somatic cells during lymphocyte development (*32*). This extraordinary diversity means that mRNAs encoding the TCRA and TCRB chains of a specific T cell clone will usually be present only in sets of cells that include that clone. Applicants leverage this extreme diversity by splitting a sample of T cells into multiple subsets and then sequencing the TCRA and TCRB mRNA molecules to determine the presence or absence of each TCR chain in each subset. The TCRA and TCRB sequences from a clone should be seen in the same subsets of T cells, and only those subsets.

[00232] In some embodiments, the method can involve extracting genomic DNA, rather than mRNA from cells in a sample, to amplify up the polypeptide chains of a specific adaptive immune receptor heterodimer.

[00233] Pairing the TCRA and TCRB chains then becomes a statistical problem: to declare a unique pairing, one must show that it is highly improbable for a given clone to occupy the same collection of T cell subsets as another clone. The probability that a given clone occupies the same collection of T cell subsets as another clone is close to zero for thousands of clones in an experiment using the methods of the invention.

[00234] FIG. 7 shows a graph of the number of occupied T cell subsets vs. the probability of shared subsets. For a simulated experiment using the methods of the invention, in which T cells are divided into 96 subsets containing 70,000 T cells each, this plot gives the probability (y-axis) that *any* clones present in a given number of subsets (x-axis) will occur in exactly the same subsets.

[00235] The methods of the invention provide a way to pair a clone's TCRA and TCRB sequences as a function of the frequency of that clone in the original sample, the total number of T cells in each subset, and the number of subsets created. The last two parameters are part of the experimental design, and they can be tuned to choose which range of T cell clonal frequencies will be accurately paired.

[00236] FIG. 8 shows a schematic of the methods of the invention, according to an embodiment of the invention. In FIG. 8A, a fixed number of T cells (e.g., 70,000 peripheral

blood mononuclear cells (PBMCs)) are randomly allocated to each well on a 96-well plate to create 96 distinct subsets. The total cellular RNA is extracted, and cDNA is reverse transcribed form the RNA in the wells. The TCRA and TCRB sequences are PCR-amplified within each well and well-specific oligonucleotide DNA bar codes are attached to the amplified receptor molecules. In FIG. 8B, the barcoded TCRA and TCRB amplicons are pooled together. In FIG. 8C, pairs of TCRA/TCRB sequences consistently observed in the same libraries represent sequences carried by clones of the same cell.

[00237] Next, the amplified molecules are pooled and high-throughput DNA sequencing is performed, reading both the receptor sequence and the bar code for each strand. Sequenced bar codes are used to assign the receptor sequences to wells of origin, and we identify putative pairs by finding TCRA sequences that share many more wells with specific TCRB sequences than expected by chance. This involves computational de-multiplexing to map each TCR sequence back to the wells in which it originated. The immune repertoire is highly diverse, and the probability that two clones will share a well pattern is miniscule, so any TCRA/TCRB pair that shares a well pattern can be inferred to have come from the same clone.

[00238] To demonstrate the unprecedented throughput of Applicant's methods, we sampled 9.6 million human PBMCs and subdivided them equally among the wells of a 96-well microtiter plate. Each well thus contained 100,000 PBMCs, of which ~70,000 were expected to be T cells. After RNA extraction and cDNA synthesis, our sequencing runs produced 298 million reads, for an average coverage of 15 reads per T cell after filtering. (See Supplementary Materials for details).

[00239] We identified putative cognate pairs by comparing the well occupancy pattern of every TCRA sequence against that of every TCRB sequence. The well occupancy pattern can also be referred to as a container occupancy pattern. In some embodiments, the well occupancy pattern of every TCRB sequence is compared against that of every TCRA sequence. The TCRB that produced the smallest p-value with a given TCRA was marked as a possible pairing partner.

[00240] We then estimated the false discovery rate (FDR) for sets of putative pairs by computationally permuting the observed well patterns. This procedure quantifies the certainty of pairing while allowing for experimental inefficiencies, which is described in more detail below. Description about calculating the FDR are provided below.

[00241] The results of our experiment are shown in FIGs. 9A and 9B. At an FDR of 1% (shown in FIG. 9A, dotted line), we discovered 34,763 pairs of TCRA and TCRB sequences from 25,000 distinct clones. FIG. 9A shows the false discovery rate curve for an experiment with 96 wells and 70,000 T cells per well. The FDR curve is L-shaped, which implies that most of the TCRA/TCRB pairs stood out clearly from the background noise. Most of these pairs were called with extremely high confidence.

[00242] FIG. 9B illustrates the completeness of this pairing experiment. The grey (light shaded) bars show the total number of observed TCRB sequences as a function of well occupancy, and the dark shaded bars show how many of these were paired at FDR<1%. We successfully paired more than 85% of the TCRB sequences that occupied 15-70 wells. The remaining sequences could not be paired with high confidence, possibly because low TCRA and TCRB mRNA levels can lead to sequence drop-outs.

[00243] FIG. 10 shows an example workflow that was used for this experiment. In the example workflow, one starts with anticoagulated blood (1), separates PBMCs on a Ficoll gradient (2), aliquots even numbers of cells into the wells of a 96-well plate (3), isolates RNA in a 96-well plate (4), synthesizes cDNA (5), amplifies TCRA sequences with gene-specific PCR primers(6), amplifies TCRB sequences with gene-specific PCR primers (7), runs a nested PCR to add sequencing adaptors and well-specific barcodes to TCRA sequences (8), rusn a nested PCR to add sequencing adaptors and well-specific barcodes to TCRA sequences (9), and combines amplicons to create a sequencing library (10).

[00244] FIG. 11 illustrates the well occupancy vs. fraction of paired TCRB sequences. FIG. 11 shows the pairing yield (fraction of paired sequences) for TCRB clones from an experiment with 96 wells and 70,000 T cells per well. We grouped TCRB clones by the number of wells in which they were observed (x-axis) and computed the fraction of these sequences that were paired at FDR<1% (y-axis).

[00245] To validate the experimental design and statistical framework, we directly measured our FDR by performing a sample-mixing experiment outlined in FIG. 12. FIG. 12 shows the schematic of the two-subject validation experiment. Peripheral blood was collected from two healthy adult subjects, labeled 'X' and 'Y'. Deep immunosequencing was used to characterize the TCRA and TCRB repertoires (*14, 15, 33*)of each subject. PBMCs from the two subjects were then mixed, and the resulting mix was used to perform the methods of the invention. True-positive pairs must include a TCRA and a TCRB from the

same subject, while approximately half of false-positive results will be cross-subject TCRA/TCRB pairs.

[00246] From these data, we identified 652,027 TCRA and 703,909 TCRB sequences that were unique to Subject X, and 395,476 TCRA and 433,086 TCRB sequences that were unique to Subject Y. Next, we combined 1.2 million PBMCs from each of the two subjects and performed the methods of the invention on the mixed sample, which had been distributed into 96 wells at 25,000 PBMC (~17,500 T cells) per well. True pairings must include a TCRA and a TCRB from the unique repertoire of a single subject, and roughly half of false pairings should include a TCRA sequence from one subject and a TCRB sequence from the other, so this experiment directly assesses the credibility of the identified pairs and the method's ability to control the rate of false pairings.

[00247] An FDR analysis of our sample-mixing experiment is shown in FIG. 13, where we divided the pairs into three categories: (i) pairs in which both TCR sequences were exclusive to Subject X ("X/X"); (ii) pairs in which both TCR sequences were exclusive to Subject Y ("Y/Y"); and (iii) pairs in which one sequence was exclusive to Subject X and the other to Subject Y ("X/Y"). The vertical dotted line in FIG. 13A shows the cutoff for an estimated FDR<1%. At a predicted FDR of 1%, we observed 1,115 X/X pairs, 706Y/Y pairs, and 7X/Y pairs.

[00248] In this experiment, fewer TCRA and TCRB pairs were detected in than in the first one because fewer T cells were allocated to each well, which shifts the sensitivity range toward more common clones.

[00249] If cross-donor pairs represented half of the false pairings, as expected, the FDR at this pairing threshold would be 1.06%, which shows excellent agreement with the prediction from the method of the invention. FIG. 13B extends this false pairing analysis to predicted FDR values ranging from 0.1% to 20%. The predicted values closely track the empirical values across this range, which shows that our analysis framework provides valid FDR estimates that can be tuned to balance specificity and sensitivity for different applications.

[00250] In FIGs. 14A-D, the well dropout rates in mRNA subsamples and within pairs are shown. FIG. 14A shows the well dropout rates in the first subsample of mRNA from the experiment using the methods described herein with 70,000 T cells per well. Median dropout rates (dotted vertical lines) are 20% for TCRA and 14% for TCRB. FIG. 14B shows the well dropout rates in the second subsample of mRNA from a experiment using the methods described herein. Median dropout rates are 24% for TCRA and 21% for TCRB. FIG. 14C

shows the well dropout rates estimated from confidently paired sequences (FDR<1%) in the first subsample of mRNA (same data as in FIG. 14A). Median dropout rates are 14% for TCRA and 10% for TCRB, which are biased downward from the estimates in panel A. FIG. 14D shows the dropout rates estimated from confidently paired sequences (FDR<1%) in the full combined sample of mRNA, i.e., the data used in our discovery of ~35,000 pairs. Median dropout rates are 7% for TCRA and 3% for TCRB. After accounting for bias, we expect that the true median dropout rates are 10% and 5%, respectively

[00251] FIG. 15 shows the simulated well occupancy as a function of clone frequency and number of input T cells. A key design parameter in an experiment using the methods of the invention is the number of T cells allocated to each well. FIG. 15 shows the outcomes of simulated experiments for a 96-well plate and T cell inputs ranging from 100-100,000 cells per well (x-axis). Different colors depict clones with different repertoire frequencies, and the plot shows the number of wells they occupied in our simulations. To capture clones from different frequency bands, one can simply change the number of input T cells in an experiment using the methods of the invention. It is also possible to capture multiple frequency bands in a single experiment by varying the number of input T cells across the wells on a plate.

[00252] Finally, we confirmed our method's ability to correctly pair TCR chains from a known clonal sample by performing a spike-in experiment with a Jurkat E6-1 T-ALL cell line, for which the TCRB V, D, J and CDR3 sequence is known (*34*). We spiked Jurkat cells into a bulk PBMC sample at a target frequency < 1 in 70,000 PBMC (measured at ~1/150,000), allocated the cells to a 96-well microtiter plate at ~50,000 PBMCs per well, and performed a blind pairing analysis of the PBMC and spike-in sequences. The known Jurkat sequences were observed in 21 wells, of which 14 contained both the Jurkat TCRA and TCRB. This level of overlap produced a p-value of 2.6×10^{-11}, which is well below our FDR threshold and far stronger evidence of pairing than either sequence showed with any non-Jurkat sequence (the next-smallest p-value was 5.2×10^{-5}).

Subjects and Sample Preparation

[00253] In this example, study donors were two healthy males, aged 44 and 51 years. Upon obtaining informed consent, venous blood was drawn from each donor into 10ml EDTA blood tubes (Beckton Dickinson, Franklin Lakes, NJ). Fresh anticoagulated blood was separated on Ficoll Histopaque gradients (Sigma, St. Louis, MO) and the peripheral blood mononuclear cell (PBMC) layer was aspirated. Red blood cells were lysed using 1x RBC

Lysis solution (Miltenyi Biotec, Auburn, CA). Cells were washed in 1xPBS pH 7.2 (Ambion – Life Technologies, Foster City, CA) and resuspended in RNAlater (Qiagen, Valencia, CA). Cells were counted using a TC-20 cell counter (Bio-Rad, Hercules, CA) and concentration of cell suspensions was adjusted using RNAlater. Cell suspensions were stored at 4°C until use. Prior to cell aliquoting, cell suspensions were adjusted to a concentration of 500 or 2,000 cells/μl in RNAlater and 50μl aliquots were distributed into wells of 0.8ml deep well plates (Axygen, Union City, CA) by the Biomek FX liquid handler (Beckman Coulter, Danvers, MA).

[00254] The robotic method for distributing an equal volume of cell suspensions onto 96-well plates from a common, homogeneous cell suspension reservoir ensured that similar numbers of cells were deposited into each plate well. The final number of mononuclear cells deposited in each well was 100,000 for our initial pairing experiment (results in FIG. 9), 25,000 for our sample-mixing experiment (schematic in FIG. 12 and results in FIG.13), and 50,000 for our Jurkat T-ALL spike-in experiment.

RNA-Isolation and Reverse Transcription

[00255] Cells were lysed by addition of 400μl of lysis buffer RLT Plus (Qiagen), mixing and incubation at room temperature for 30 min. Total cellular RNA was isolated using an automated protocol on the QIAsymphony laboratory robot (Qiagen). RNA was eluted into a 96-deep well plate in 50μl of RNase-free water and immediately stored at -80oC. The quality and quantity of each RNA sample was assessed using the Caliper RNA Pico Sensitivity assay (PerkinElmer, Waltham, MA). Fifteen microliters (equivalent to 4-5ng of RNA) of RNA were reverse transcribed into single stranded cDNA using the SuperScript VILO cDNA synthesis kit (Invitrogen, Carlsbad, CA) according to the manufacturer's protocol. During RNA isolation and reverse transcription reaction, well identity was maintained relative to the original source plate with 96 cell suspension aliquots.

Multiplex PCR and Barcodes

[00256] Multiplex PCR using either TCRA or TCRB gene-specific primers was performed on two 96-well plate replicates of the cDNA plate, using multiple V gene-specific primers for TCRA and TCRB and a single C segment reverse primer for each isotype (for lists of PCR primers, see Table S1 and Table S2). The Multiplex PCR Plus reagents (Qiagen) were used in 50μl reactions and 35 cycles of PCR amplification under the following conditions: 95°C denaturation for 300 s, followed by 35 cycles of denaturation at 90°C for 30 s, annealing at 60°C for 90 s and extension at 72°C for 90 s.

[00257] PCR products were purified using the SPRI Select magnetic beads (Beckman Coulter) and a 5µl aliquot of each PCR reaction was used in a nested PCR. The eight cycles of the second nested PCR incorporated Illumina paired-end adaptor sequences at each end of the amplicon, allowing the samples to be sequenced on Illumina MiSeq or HiSeq sequencers (Illumina, San Diego, CA). In addition, well-specific eight-base DNA barcodes were incorporated into each PCR product as described previously (33). For a complete list of barcodes, see Table S3.

[00258] During the TCRA and TCRB specific PCR and subsequent purification, as well as during the setup of nested PCR reactions, plate orientation was preserved relative to the original source plate. The nested second PCR barcoded DNA in each well on each plate with a specific barcode. Barcodes 1-96 were used for TCRB amplicon wells, and barcodes 97-192 were used for TCRA amplicon wells. After PCR amplification, 5µl aliquots were pooled for all 96 TCRA and TCRB wells, respectively, resulting in two DNA sample pools. The DNA concentration of each pool was determined by fluorometry and the DNA products were separated using the Caliper DNA 1K assay (PerkinElmer) to verify correct amplicon sizes and the absence of excess primer and primer-dimer. The two pools (TCRA and TCRB) were combined in equimolar ratio to a final sequencing library sample, now containing 192 individually barcoded DNA species.

High – Throughput Sequencing

[00259] One sequencing library was prepared per one starting 96-well plate with cells, according to the method described above. Sequencing libraries were diluted, denatured and loaded onto the Illumina HiSeq 2500 sequencer flow cell as per Illumina protocols, for on-board cluster generation and sequencing by synthesis in a Rapid Run format. This run format analyzed DNA from one donor per sequencing run, using a single read sequencing (15 cycles of an index read followed by 150 cycles of sequencing through the V(D)JC receptor domain). The TCR sequencing reads were primed from the TCRA and TCRB constant regions with two sequencing primers specific to TCRA and TCRB, respectively. These primers annealed 14 bases from the J-C splice site, thus allowing us to confirm whether a sequence was either TCRA or TCRB, in addition to isotype and well-specific DNA barcodes. Methods for high throughput sequencing are described in detail above and in U.S.A.N. 13/217,126, U.S.A.N. 12/794,507, PCT/US2011/026373, or PCT/US2011/049012, which are incorporated by reference in their entireties.

T-all Clone Spike-In

[00260] As a positive control of pairing, we purchased a human T cell leukemia (T-ALL) cell line, Jurkat Clone E6-1(ATCC® TIB-152™), known to be positive for αβ TCR (35). The sequences of Jurkat TCRA and TCRB are known and were also confirmed by deep sequencing (34). Jurkat cells were propagated in HyClone RPMI 1640 media (Thermo Scientific, San Jose, CA) supplemented with 10% fetal bovine serum (Fischer Scientific, Waltham, MA) in T25 flasks at 37oC and 5% CO2. Harvested cells were diluted and approximately 450 Jurkat cells were added to a sample of 30 million PBMC, resulting in the Jurkat clone being present in the PBMC sample at a frequency of 1.5x10-5, or 0.75 Jurkat cells per well of a 96-well plate. The cell suspension concentration was adjusted to 1000 cells/μl and 50μl per well were robotically distributed onto a 96 well plate. Each well on the plate contained 50,000 PBMCs after distributing the sample cell suspension. The sample plate was then processed through the standard laboratory workflow of the invention, as described in FIG 7.

[00261] Based on the Poisson statistic, it was expected that at this level of spiked-in Jurkat clone, 51 wells would contain the known TCR αβ pair sequences. The abundance of Jurkat TCRαβ sequences in a well should be proportional to the level of TCR receptor mRNA expression. At least one literature report compared the number of TCR transcripts between peripheral blood CD4+ T-cells and Jurkat E6-1 cells. Using semi-quantitative PCR, the authors showed that TCR transcripts in Jurkat cells were not more abundant than TCR transcripts from CD4+ cells obtained from a healthy blood donor (36). Transcription levels of TCRB chain were compared across T-cell subsets using next-generation sequencing of TCRB cDNA and determined to be similar across naïve, activated and memory CD8 T-cell subsets, ranging from 3-12 TCRB transcripts per cell (37). Based on the literature data, we expected that Jurkat clone sequences would be present in wells at levels below those of TCR repertoire sequences originating from PBMC. Relative expression of TCRA and TCB mRNA by the Jurkat clone is another biological characteristic that would have an impact on our ability to recover the expected clone TCR αβ pair. It has been reported that transcriptional activity of alpha and beta chains is regulated during intra-thymic ontogeny of T cells and differs markedly depending on stage of thymic differentiation (38). Tumor cell lines derived from various stages of thymic development were shown to confirm the relative expression differences. The Jurkat cell line, being a "stage II T-cell" is thus expected to have lower expression of TCRA compared to expression of TCRB (39).

Two Donors Experiment

[00262] To directly measure our false positive rate for pairing, we isolated PBMCs from the venous blood of two healthy adults using standard techniques, as described above. Cellular RNA in freshly isolated PBMC was protected by storing the cell suspensions in RNAlater (a high salt, ammonium based RNA preservative that is known to protect RNA from degradation and to preserve mRNA expression profiles in stored tissue or cell samples (40)). Samples of the cell suspensions were distributed across 96 wells of a microtiter plate using a robotic liquid handler. We varied the number of cells placed in each well between 25,000 and 100,000, depending on experimental setup. The well-to-well variability in cell counts across the plate was thus dependent on pipetting precision of the liquid handler and was estimated to be below 25% CV. Starting with PBMC samples from two healthy adults, we divided the cells evenly into the wells of three 96 well plates. The first plate contained cells from donor X, the second plate contained cells from donor Y, and the third plate contained cells prepared by mixing samples from both donors in a 1:1 ratio. Each 96-well plate of donor cells sample analyzed was processed as a unit (all 96 wells in parallel) through the first two workflow steps: total cellular RNA isolation and cDNA synthesis. All 96 cDNA pools were then replicated for specific PCR amplification of TCRA and TCRB cDNA on two separate 96-well plates while preserving the well coordinates. We have designed the forward V-gene and reverse C-segment PCR primers to contain universal adapter complementary sequences, which allowed us to attach uniquely barcoded nested oligonucleotide adapters to each DNA template in a subsequent limited cycle PCR reaction. In that second PCR, all well-specific TCRA and TCRB amplicons in each 96 well plate were tagged with one of 192 eight-nucleotide barcodes. In addition, the second PCR also incorporated Illumina specific adapters into the amplicons, thus allowing pooling of all 192 wells into one sequencing library for sequencing on the HiSeq 2500. The design of TCRA and TCRB PCR products allowed us to sequence the amplified cDNA library as described previously (33). Briefly, a short, 15 cycle read determined the unique well barcode first, followed by a 150 cycle sequencing read which spanned the V(D)JC domains. Sequencing primers for the second read were positioned in the TCRA and TCRB C-segments, 14 nucleotides from the J-C splice junction. The read length of 150 bases thus allowed us to resolve all V, D (in case of TCRB), and J genes. The residual 14 bases of the C segment gene were specific to either TCRA or TCRB isotype, confirming a read belonging to either isotype independently of the well barcodes.

Statistics for Adaptive Immune Receptor Pairing

[00263] For every adaptive immune receptor pair considered, we compute a p-value for the number of wells that the receptor sequences share. For example, for a TCRA/TCRB pairing, we consider a TCRA sequence that occupies $N\alpha$ wells and a TCRB sequence that occupies $N\beta$ wells. If these sequences share $N\alpha\beta$ wells, then $N^*\alpha = N\alpha - N\alpha\beta$ wells are occupied only by the TCRA sequence and $N^*\beta = N\beta - N\alpha\beta$ wells are occupied only by the TCRB sequence. If each well contains the same number of T cells, the probability of seeing this amount of well-sharing by chance is

$$P(N_{\alpha\beta}|N_\alpha, N_\beta, N_{tot}) = \frac{\binom{N_{tot}}{N_{\alpha\beta}}\binom{N_{tot}-N_{\alpha\beta}}{N_\alpha^*}\binom{N_{tot}-N_{\alpha\beta}-N_\alpha^*}{N_\beta^*}}{\binom{N_{tot}}{N_\alpha}\binom{N_{tot}}{N_\beta}},$$

[00264] conditional on the total number of wells N_{tot} and the marginal well counts $N\alpha$ and $N\beta$. We obtain a p-value for a putative TCR pair by summing the probabilities for all well configurations that have the same marginal counts and an equal or greater overlap of occupied wells.

[00265] Computing p-values in this way serves two purposes: it accounts for the fact that TCR sequences in different numbers of wells have different probabilities of overlapping by chance, and it captures departures from chance pairing without requiring perfect overlap between occupied wells. Imperfect well overlap is common among the members of a TCR pair because low numbers of mRNA transcripts per cell can lead to well dropouts (see section on "Well dropout rates in mRNA subsamples and within pairs" below), so it is essential to use a statistic that accounts for this feature of the data.

[00266] This analysis can be performed for other TCR or IG pairings, such as TCRG/TCRD and IGH with IGK or IGL.

Simulating Null p-value Distributions

[00267] Unlike many applications in biological data analysis, the null distribution of p-values in an analysis using the methods of the invention is neither continuous nor uniform. Discrete well occupancy patterns lead to discrete p-values, and the p-value for each TCR sequence is chosen as the smallest seen in many comparisons with possible pairing partners, which skews the null distribution toward smaller p-values. TCR clones with different well occupancies also have different null distributions: more extreme p-values can be observed in

clones that occupy a moderate number of wells, but such wells also tend to be involved in relatively few comparisons that could generate extreme p-values.

[00268] To account for these peculiarities, a permutation algorithm of the invention was used to fully model the structure of an experiment using the methods of the invention. We designated one locus (typically TCRA) as the "query" locus and the other as the "target" locus. We started by counting the number of target sequences Ti that occupy i wells for i = 1,...,96. One permutation involved the following steps:

[00269] For each occupancy level i, sample T_i random numbers in [0,1]. Denote the largest sampled number γ_i.

[00270] For each occupancy level j, use γ_i to determine the number of shared wells N_{ij} in a cumulative distribution function for sequences that occupy i and j wells. This represents the largest number of wells that a sequence in j wells would share with the best sequence in i wells after sampling T_i random configurations.

[00271] Use N_{ij} to compute a p-value δ_j for occupancy level j. If δ_j is smaller than the smallest p-value seen so far at level j, store it.

[00272] Once we completed these steps for every number of occupied target wells i, we will have a minimum p-value δ_j for each possible number of query wells j. These values are stored as the outcome of one permutation, and they are directly analogous to the smallest p-values seen when comparing a given query sequence against a collection of target sequences like the one seen in an experiment of the invention. The results obtained by Applicants were based on running 10,000 permutations per experiment.

False Discovery Rate Estimation

[00273] In one example, the simulated null distributions described above were used to estimate false discovery rates in an exemplary experiment. Clones at each well occupancy level have different null p-value distributions, so they also require separate FDR estimates. The approach follows that of Bancroft et al. (41) who developed a method for estimating false discovery rates with sequential permutation p-values. Like the p-values in the high-throughput pairing experiment, sequential permutation p-values are discrete and non-uniform, so their method is directly applicable to our scenario.

[00274] In one embodiment, the steps of the method were as follows:

[00275] For each well occupancy level i=1,...,96, construct as many bins as possible that have probability at least 0.05 under the null. This accounts for discontinuities in discrete

distributions that can lead to over-conservative estimates of the number of truly null hypotheses.

[00276] For each well occupancy level i, estimate the number of null hypotheses m_{0i} among the observed p-values via Theorem 2 of Bancroft et al., which is related to histogram-based estimators of m_0.

[00277] Compute the FDR at any rejection threshold α in the normal way for p-values at occupancy level i. To get experiment-wide FDR estimates like the ones shown in FIGs. 9 and 13, sum the numbers of expected type I errors and total pairing calls across occupancy levels and divide the former sum by the latter.

[00278] Estimates of m_0 can be unstable when the number of observed p-values is small, as can happen for occupancy levels with few TCR sequences. To get better estimates, occupancy levels that have small sequence counts and similar null distributions were combined.

[00279] Other methods for determining FDR can be used. In one embodiment, determining a false discovery rate estimation for a possible false pairing of a unique first adaptor immune receptor amplicon sequence and a unique second adaptor immune receptor amplicon sequence comprises calculating p-values for each of the plurality of putative cognate pairs identified in the sample; comparing the p-values for all of the plurality of putative cognate pairs with an expected p-value distribution, where the expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of the putative cognate pair are determined to represent a true cognate pairing.

Well Dropout Rates in mRNA Subsamples and Within Pairs

[00280] The pairing approach of the invention depends on reliably detecting the TCRA and TCRB sequences from a T cell clone in each well it occupies. A given T cell will typically carry just a few mRNA copies (possibly just 5-10) of each TCR rearrangement, and experimental inefficiencies can cause either locus to go unobserved in a subset of wells. To characterize this well dropout rate, the experiment was structured with 70,000 T cells per well to include two separate draws from the same pools of RNA on the plate. By processing each RNA draw separately, the effects of imperfect mRNA sampling by design were characterized, which is a proxy for imperfect mRNA sampling due to experimental inefficiencies.

[00281] In the section below, the well dropout rates in these mRNA subsamples are described. Well overlaps between paired sequences are used to estimate dropout rates in the complete set of sequenced mRNA, which was used for our main analysis.

[00282] FIG. 13 shows estimated rates of well dropouts for each of the two mRNA subsamples in this experiment. In these panels, the well dropout rate for each TCR sequence was determined by comparing the number of wells it occupied in one RNA draw against the combined data from both draws. The median dropout rates in this split experiment ranged from 20-24% for TCRA (Y/Y) and from 14-21% for TCRB (X/X). The high rates of well dropouts in these subsamples underscore the importance of thoroughly sampling the mRNA pool from the cells in an experiment. The dropout rates tended to be lower for TCRB than TCRA, which could reflect higher numbers of TCRB mRNA molecules per cell.

[00283] FIGs. 14A-D show the results of using a different estimator of well dropout rates. For a given experiment, we computed a dropout rate by comparing the well overlap within confidently paired (FDR<1%) sequences. Wells that are seen in one member of a TCR pair but not the other are considered missing. FIG. 14C shows the results of applying this estimator to the mRNA subsample that was used for FIG. 14A. As expected, the pairing-based estimates are biased downward since the power to detect pairs declines as wells drop out. For both TCRA and TCRB, the apparent dropout rate from paired sequences (FIG. 14C) was 30% lower than the rate seen by comparison to the complete mRNA sample (FIG. 14A).

[00284] Having determined the bias in a pairing-based estimator, we used this approach to evaluate well dropout rates in the full sample of mRNA from the high-throughput pairing experiment. The results are shown in FIG. 14D. The median dropout rates were 30-50% lower here than in the mRNA subset used for FIG. 14C, which further demonstrates the value of exhaustively sampling the mRNA pool. If we assume that the rates in FIG. 14D are 30% lower than the true rates, our final median dropout rates would be 10% for TCRA and 5% for TCRB. There are still substantial dropout rates for some TCR sequences, but we were nonetheless able to confidently assign ~35,000 TCR pairs in this experiment, which demonstrates the robustness of the methods of the invention.

Example 4: Applications of High-Throughput Pairing to Adaptive Immune Receptor Heterodimer Polypeptide Sequences

[00285] In the example above, the application of the methods of the invention was focused on the ability of this approach to accurately pair TCR sequences at high throughput, but the methods of the invention can be used as a flexible tool that can broaden the scope of immune

repertoire analysis in a variety of ways. For example, the method can be tuned to pair cognate TCR chains in any desired frequency range simply by changing the number of input T cells per well. One can also assay cognate pairs from multiple frequency bands in a single experiment by stratifying the number of input T cells across subsets of wells on a plate.

[00286] As described above, the method can be used to accurately pair TCR or IG sequences at high throughput. For example, the methods of the invention can be used to pair a first polypeptide chain of an adaptive immune receptor heterodimer comprising a TCR alpha (TCRA) chain and a second polypeptide of the adaptive immune receptor heterodimer comprising a TCR beta (TCRB) chain. In addition, the methods of the invention can be used to pair a first polypeptide of the adaptive immune receptor heterodimer comprising a TCR gamma (TCRG) chain and a second polypeptide of the adaptive immune receptor heterodimer comprising a TCR delta (TCRD) chain. In another example, the methods of the invention can be used to pair a first polypeptide of an adaptive immune receptor heterodimer comprising an immunoglobulin heavy (IGH) chain and a second polypeptide of the adaptive immune receptor heterodimer that is selected from an immunoglobulin light IGL or an IGK chain.

[00287] The method provides steps for identifying a plurality of cognate pairs comprising a first polypeptide and a second polypeptide that form an adaptive immune receptor heterodimer, said adaptive immune receptor heterodimer comprising a T cell receptor (TCR) or Immunoglobulin (IG) from a single clone in a sample, the sample comprising a plurality of lymphoid cells from a mammalian subject. As described above, the method includes steps for distributing a plurality of lymphoid cells among a plurality of containers, each container comprising a plurality of lymphoid cells; generating a library of amplicons in the plurality of containers by performing multiplex PCR of cDNA molecules that have been reverse-transcribed from mRNA molecules obtained from the plurality of lymphoid cells. The library of amplicons include: i) a plurality of first adaptive immune receptor amplicons encoding the first polypeptide, each comprising a unique variable (V) region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence, and ii) a plurality of second adaptive immune receptor amplicons encoding the second polypeptide, each comprising a unique V region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence,

at least one universal adaptor sequence, and a sequencing platform tag sequence. The method also includes steps for performing high throughput sequencing of the library of amplicons to obtain a data set of a plurality of first and second adaptive immune receptor amplicon sequences.

[00288] In addition, the method includes determining a container occupancy pattern for each unique first adaptor immune receptor amplicon sequence by assigning each unique first adaptor immune receptor amplicon sequence to one or more containers, and a container occupancy pattern for each unique second adaptor immune receptor amplicon sequence by assigning each unique second adaptor immune receptor amplicon sequence to one or more containers, wherein each barcode sequence in the unique first or second adaptor immune receptor amplicon sequences is associated with a particular container.

[00289] For each possible pairing of a unique first and second adaptive immune receptor amplicon sequence to form a putative cognate pair, the method involves calculating a statistical probability of observing the container occupancy patterns, or observing any larger proportion of shared containers than expected by chance, given that the first and second adaptor immune receptor amplicon sequences do not originate from the same clonal population of lymphoid cells, and identifying a plurality of a putative cognate pairs based on the statistical probability having a score lower than a predetermined likelihood cutoff.

[00290] Then, for each identified putative cognate pair, a false discovery rate estimation is determined for a possible false pairing of the unique first adaptor immune receptor amplicon sequence and the unique second adaptor immune receptor amplicon sequence. The method includes steps for identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs that encode said adaptive immune receptors in said sample based on said statistical probability and said false discovery rate estimation.

[00291] In some embodiments, the statistical score can be a p-value calculated for pairing each putative cognate pair of unique first and second adaptive immune receptor amplicon sequences. In one embodiment, calculating the statistical score comprises calculating a probability that the unique first and second adaptive immune receptor amplicon sequences should jointly occupy as many or more containers than they are observed to jointly occupy, assuming no true cognate pairing and given the number of containers occupied by said unique first adaptive immune receptor amplicon sequence and the number of containers occupied by the unique second adaptive immune receptor amplicon sequence.

[00292] Essentially, given any two adaptive immune receptor sequences, the method analyzes whether the two sequences co-occur in more containers than would be expected by chance. Given a total of N containers, a first adaptive immune receptor sequence (A) observed in a total of X containers, a second adaptive immune receptor sequence (B) observed in a total of Y containers, and Z containers in which both adaptive immune receptor sequences (A) and (B) are observed, the method provides that given sequence (A) is found in X out of N containers (X / N) and sequence (B) is found in Y out of N (Y / N) containers, a calculation of the probability that both sequences are found in Z or more containers.

[00293] In some embodiments, the lower the probability that the observed number of overlapping containers between A and B sequences could occur by chance, the more highly likely that their co-occurrence is not by chance, but is instead due to true cognate pairing.

[00294] Next, identifying a plurality of a putative cognate pairs that have a high likelihood of pairing based on the statistical probability can comprise for each unique first adaptor immune receptor amplicon sequence identifying the unique second adaptor immune receptor amplicon sequence that has the lowest p-value score of matching, or for each unique second adaptor immune receptor amplicon sequence finding the unique first adaptor immune receptor amplicon sequence that has the lowest p-value score of matching.

[00295] In other embodiments, determining a false discovery rate estimation comprises: calculating p-values for each of the plurality of putative cognate pairs identified in the sample; comparing the p-values for all of the plurality of putative cognate pairs with an expected p-value distribution, said expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of the putative cognate pair are determined to represent a true cognate pairing.

[00296] In certain embodiments, calculating the expected p-value distribution comprises: permuting the containers in which each first and second adaptive immune receptor sequence has been observed in an otherwise-identical experiment with no true cognate pairs, and calculating the distribution of p-values associated with each putative cognate pair.

[00297] The method includes identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs by selecting a plurality of putative cognate pairs that have p-values below a threshold calculated based on the false discovery rate estimation.

[00298] In one embodiment, the identified cognate pair of unique first and second adaptive immune receptor amplicon sequences has a false discovery rate estimation of less than 1%. In other embodiments, the identified cognate pair of unique first and second adaptive immune receptor amplicon sequences has a false discovery rate estimation of less than 2%, 3%, 4%, 5%, 6%, 7%, 8%, 9%, or 10%.

[00299] The method can also include contacting each of said plurality of containers, under conditions and for a time sufficient to promote reverse transcription of mRNA molecules obtained from said plurality of lymphoid cells, with a first reverse transcription primer set. In certain embodiments, the (A) first oligonucleotide reverse transcription primer set comprises primers capable of reverse transcribing a plurality of mRNA sequences encoding the plurality of first and second adaptive immune receptor polypeptides for generating a plurality of first and second reverse-transcribed adaptive immune receptor cDNA amplicons, wherein the plurality of first reverse-transcribed adaptive immune receptor cDNA amplicons encoding the first adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, and wherein the plurality of second reverse-transcribed adaptive immune receptor cDNA amplicons encoding the second adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence.

[00300] The first and second reverse-transcribed adaptive immune receptor cDNA amplicons are then amplified in a second reaction. The reaction begins by contacting each of said plurality of containers, under conditions and for a time sufficient to promote a multiplex PCR amplification of the first and second reverse-transcribed adaptive immune receptor cDNA amplicons with a second (B) and third (C) oligonucleotide primer sets. In some aspects, the (B) second oligonucleotide primer set comprises forward and reverse primers capable of amplifying the plurality of first reverse-transcribed adaptor immune receptor cDNA amplicons, wherein said forward and reverse primers each are capable of hybridizing to the first reverse-transcribed adaptive immune receptor cDNA amplicons.

[00301] Each pair of forward and reverse primers in the second oligonucleotide primer set is capable of amplifying the first reverse-transcribed adaptive immune receptor cDNA amplicons. The forward primers in the second oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to the V region encoding gene

sequence. The reverse primers in the second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to the J region encoding gene sequence or the C region encoding gene sequence.

[00302] The (C) third oligonucleotide primer set comprises forward and reverse primers capable of amplifying the plurality of reverse-transcribed second adaptive immune receptor cDNA amplicons. Each pair of forward and reverse primers in the third oligonucleotide primer set is capable of amplifying the second reverse-transcribed adaptive immune receptor cDNA amplicons. In one aspect, the forward primers in the third oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to the V region encoding gene sequence. The reverse primers in the third oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to the J region encoding gene sequence or complementary to the C region encoding gene sequence.

[00303] The method also includes generating i) a plurality of third adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and the first and second universal adaptor sequences, and ii) a plurality of fourth adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and the first and second universal adaptor sequences.

[00304] The plurality of third adaptive immune receptor amplicons and the plurality of fourth adaptive immune receptor amplicons are then amplified with additional primers. The method includes contacting each of the plurality of containers, under conditions and for a time sufficient to promote a second multiplex PCR amplification of the plurality of third and fourth adaptive immune receptor amplicons with a fourth (D) oligonucleotide primer set and fifth (E) oligonucleotide primer set.

[00305] In one embodiment, the (D) fourth oligonucleotide primer set comprises forward and reverse primers capable of amplifying the plurality of third adaptor immune receptor amplicons, wherein the forward and reverse primers each are capable of hybridizing to the third adaptive immune receptor amplicons. Each pair of forward and reverse primers in the fourth oligonucleotide primer set is capable of amplifying said third adaptor immune receptor amplicons.

[00306] The forward primer in the fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to the first universal adaptor sequence in the plurality of third adaptive immune receptor amplicon and the reverse primer comprises a sequencing platform tag sequence and a region complementary to the second universal adaptor sequence in the plurality of third adaptive immune receptor amplicons. In another embodiment, either one or both of the forward and reverse primers in the fourth oligonucleotide primer set comprises a unique barcode sequence associated with the container in which the fourth oligonucleotide primer set is introduced.

[00307] The (E) fifth oligonucleotide primer set comprises forward and reverse primers capable of amplifying the plurality of fourth adaptor immune receptor amplicons, wherein the forward and reverse primers each are capable of hybridizing to the fourth adaptive immune receptor amplicons. Each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said plurality of fourth adaptor immune receptor amplicons. The forward primer in the fifth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to the first universal adaptor sequence in the plurality of fourth adaptive immune receptor amplicons, and the reverse primer in the fifth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to the second universal adaptor sequence in the plurality of fourth adaptive immune receptor amplicons.

[00308] Either one or both of the forward and reverse primers of the fourth oligonucleotide primer set comprises a unique barcode sequence associated with the container in which the fourth oligonucleotide primer set is introduced, thereby generating the library of amplicons comprising the plurality of first adaptive immune receptor amplicons and the plurality of second adaptive immune receptor amplicons.

[00309] Next, the method includes combining the library of amplicons from the plurality of containers into a mixture for sequencing. Methods for high throughput sequencing are described in detail above and in U.S.A.N. 13/217,126, U.S.A.N. 12/794,507, PCT/US2011/026373, or PCT/US2011/049012, which are incorporated by reference in their entireties.

[00310] In one aspect, the plurality of first adaptive immune receptor amplicons comprise a C region encoding sequence. In some aspects, the plurality of second adaptive immune receptor amplicons comprise a C region encoding sequence.

[00311] In some cases, the sample comprises a blood sample. In another embodiment, the sample comprises a tissue sample. In certain embodiments, the sample comprises a sample purified or cultured human lymphoid cells. In other embodiments, the container comprises at least 10^4 lymphoid cells. In another embodiment, the sample comprises at least 10^4 cells.

[00312] The method is applicable to various adaptive immune receptor loci, as described above, such as pairing of a TCR alpha (TCRA) chain and a TCR beta (TCRB) chain, a TCR gamma (TCRG) chain and a TCR delta (TCRD) chain, or an immunoglobulin heavy (IGH) chain and an immunoglobulin light IGL or an IGK chain.

[00313] Where the first polypeptide of the adaptive immune receptor heterodimer is an IGH chain and the second polypeptide of the adaptive immune receptor heterodimer is both IGL and IGK, then three different amplification primer sets are used comprising: a first oligonucleotide amplification primer set for IGH, a second oligonucleotide amplification primer set for IGK, and a third oligonucleotide amplification primer set for IGL.

[00314] Thus, the methods and compositions of the invention can be found useful in many applications in immunology, medicine, and therapeutic development. The methods of the invention offer opportunities for investigating connections between the primary sequences of a collection of selected immune receptors and the target(s) (and epitopes) that caused their selection. With attention to experimental design and control of variables (e.g., HLA type), the methods of the invention can be a useful approach for identifying critical TCRs from tumor-infiltrating lymphocytes, for establishing new criteria for responsiveness to routine or experimental vaccination, and for epidemiological analysis of public exposures and shared responses. The methods of the invention also provide information on the relative contribution of each independent chain to a given response. In addition, our approach provides data on whether there might be physical TCR chain attributes that govern a particular immune response. For example, constraints on the length or biophysical parameters of one or both chains for a given type of response to a given type of antigenic challenge. The methods of the invention can be run with standard laboratory supplies and equipment, without the need for specialized expertise, and the starting sample type has a broad potential range (tumor samples, sorted cells, cells in suspension, etc.). This technology is designed to be scalable and accessible to a variety of laboratories.

[00315] It is important to recognize that the methods of the invention can be applied to and will work equally well for TCRγ/δ, and for linking the immunoglobulin heavy and light chains (IGH with IGK or IGL). Given the practical interest in monoclonal antibody

development, as well as the general importance of the humoral immune response, the methods of the invention have the potential to become an important technology for biomedical discovery.

[00316] The various embodiments described above can be combined to provide further embodiments. All of the U.S. patents, U.S. patent application publications, U.S. patent applications, foreign patents, foreign patent applications and non-patent publications referred to in this specification and are incorporated herein by reference, in their entirety. Aspects of the embodiments can be modified, if necessary to employ concepts of the various patents, applications and publications to provide yet further embodiments.

[00317] These and other changes can be made to the embodiments in light of the above-detailed description. In general, in the following claims, the terms used should not be construed to limit the claims to the specific embodiments disclosed in the specification and the claims, but should be construed to include all possible embodiments along with the full scope of equivalents to which such claims are entitled. Accordingly, the claims are not limited by the disclosure.

TABLES

Table S1.

Sequences of TCRAD and TCRB V-gene forward PCR primers

TCRAD V-gene primers		TCRB V-gene primers	
Sequence Name	Sequence	Sequence Name	Sequence
TRAV01-1	TCATTCCTTAGTCGCTCTGATAGTTATGGTTA	TCRBV01	GAATGCCCTGACAGCTCTCGCTTATA
TRAV01-2	CATTCCTTAGTCGGTCTAAAGGGTACAGTTA	TCRBV02	CTCAGAGAAGTCTGAAATATTCGATGATCAATTCTCAGTTG
TRAV02	ACAACATGACCTATGAACGGTTCTCTTCATC	TCRBV03-1	CCAAATCGMTTCTCACCTAAATCTCCAGACAAAG
TRAV03	CTGAATTTAACAAGAGCCAAACCTCCTTCCA	TCRBV03-2	CACCTGACTCTCCAGACAAAGCTCAT
TRAV048	CCGACAGAAAGTCCAGCACTCTGAG	TCRBV04-1/2/3	CCTGAATGCCCCAACAGCTCTC
TRAV05	CACTGTTCTATTGAATAAAAAGGATAAACATCTGTC	TCRBV05-1	GATTCTCAGGGCGCCAGTTCTCTA
TRAV06	GTCACCTTTGATACCACCCTTAAACAGAGTTT	TCRBV05-2	CCTAATTGATTCTCAGCTCACCACGTCCATA
TRAV07	AGACTAAATGCTACATTACTGAAGAATGGAAGCAG	TCRBV05-3	TCAGGGCGCCAGTTCCATG
TRAV08-1	TGAGGCTGAATTTATAAAGAGTAAATTCTCCTTTAA	TCRBV05-4	TCCTAGATTCTCAGGTCTCCAGTTCCCTA
TRAV08-2	GCTGAATTTAAGAAGAGTGAAACCTCCTTCCA	TCRBV05-5	GAGGAAACTTCCCTGATCGATTCTCAGC
TRAV08-3	GGCTGAATTTAAGAGGAGTCAATCTTCCTTCAA	TCRBV05-6	CAACTTCCCTGATCGATTCTCAGGTCA
TRAV08-5P	GACACTTATCACTTCCCCAATCAATACCCC	TCRBV05-7	AGGAAACTTCCCTGATCAATTCTCAGGTCA
TRAV08-6	GGCTGAATTTAACAAGAGTCAAACTTCCTTCCA	TCRBV05-8	GGAAACTTCCCTCCTAGATTTTCAGGTCG
TRAV08-7ORF	GCTGAATTTAAGAAGAGCGAAACCTCCTTCTA	TCRBV06-1	CCCCAATGGCTACAATGTCTCCAGATT
TRAV09-1	CCATGTACCGTAAAGAAACCACTTCTTTCCA	TCRBV06-2/3	GGAGAGGTCCCTGATGGCTACAA
TRAV09-2	CCACATACCGTAAAGAAACCACTTCTTTCCA	TCRBV06-4	TCCCTGATGGTTATAGTGTCTCCAGAGC
TRAV10	TGGATGCAGACACAAAGCAAAGCTC	TCRBV06-5	GGAGAAGTCCCCAATGGCTACAATGTC
TRAV11P	TAAAGAACTGCTTGGAAAAGAAAAATTTTATAGTGT	TCRBV06-6	AAAGGAGAAGTCCCGAATGGCTACAA
TRAV12-1	ACAGCTCAATAGAGCCAGCCAGTATATTTC	TCRBV06-7	GTTCCCAATGGCTACAATGTCTCCAGATC
TRAV12-2	CAGCTCAATAAAGCCAGCCAGTATGTTTC	TCRBV06-8	GAAGTCCCCAATGGCTACAATGTCTCTAGATT
TRAV12-3	GCACAGGTCGATAAATCCAGCAAGTATATCTC	TCRBV06-9	GAGAAGTCCCCGATGGCTACAATGTA
TRAV13-1	CTGTTACATTGAACAAGACAGCCAAACATTTCTC	TCRBV07-1	GTGATCGGTTCTCTGCACAGAGGT
TRAV13-2	CACCGTTTTATTGAATAAGACAGTGAAACATCTCTC	TCRBV07-2	CGCTTCTCTGCAGAGAGGACTGG
TRAV14/DV4	CCAGAAGGCAAGAAAATCCGCCAA	TCRBV07-3	GGTTCTTTGCAGTCAGGCCTGA
TRAV15P	AGAAGCGCTTGGAAAAGAGAAGTTTTATAGTGT	TCRBV07-4	CAGTGGTCGGTTCTCTGCAGAG
TRAV16	TGACCTTAACAAAGGCGAGACATCTTTCCA	TCRBV07-5	GCTCAGTGATCAATTCTCCACAGAGAGGT
TRAV17	CGCTTGACACTTCCAAGAAAAGCAGTTC	TCRBV07-6/7	TTCTCTGCAGAGAGGCCTGAGG
TRAV18	CAGTCCTATCAAGAGTGACAGTTCCTTCCA	TCRBV07-8	CCCAGTGATCGCTTCTTTGCAGAAA
TRAV19	GAACTTCCAGAAATCCACCAGTTCCTTCAA	TCRBV07-9	CTGCAGAGAGGCCTAAGGGATCT
TRAV20	GCTAAAAGCCACATTAACAAAGAAGGAAAGCTT	TCRBV08-1	GAAGGGTACAATGTCTCTGGAAACAAACTCAAG
TRAV21	CTCGCTGGATAAATCATCAGGACGTAGTAC	TCRBV08-2	GGGGTACTGTGTTTCTTGAAACAAGCTTGAG
TRAV22	TCGCTACGGAACGCTACAGCTT	TCRBV09	CAGTTCCCTGACTTGCACTCTGAACTAAAC
TRAV23/DV6	CTCCTTCAATAAAAGTGCCAAGCAGTTCTC	TCRBV10-1	ACTAACAAAGGAGAAGTCTCAGATGGCTACAG
TRAV24	CACTCTTAATACCAAGGAGGGTTACAGCTA	TCRBV10-2	AGATAAAGGAGAAGTCCCCGATGGCTA
TRAV25	TCAGTTTGGAGAAGCAAAAAAGAACAGCTC	TCRBV10-3	GATACTGACAAAGGAGAAGTCTCAGATGGCTATAG
TRAV26-1	GATCATCACAGAAGACAGAAAGTCCAGCAC	TCRBV11-1/2/3	CTAAGGATCGATTTTCTGCAGAGAGGCTC
TRAV26-2	GCAATCGCTGAAGACAGAAAGTCCAGTAC	TCRBV12-1	TTGATTCTCAGCACAGATGCCTGATGT
TRAV27	CAGTTTGGTGATGCAAGAAAGGACAGTTC	TCRBV12-2	ATTCTCAGCTGAGAGGCCTGATGG
TRAV28P	CAGTCAAAGCTGAGGAACTTTATGGCCA	TCRBV12-3/4	GGATCGATTCTCAGCTAAGATGCCTAATGC
TRAV29DV05	CTTCTTAAACAAAAGTGCCAAGCACCTCTC	TCRBV12-5	CTCAGCAGAGATGCCTGATGCAACTTTA
TRAV30	CTGCTTCATTTAATGAAAAAAAGCAGCAAAGCTC	TCRBV13	CTGATCGATTCTCAGCTCAACAGTTCAGT
TRAV31P	TTCTGTGAGCTTCCAGAAAACAACTAAAACTATTCA	TCRBV14	TAGCTGAAAGGACTGGAGGGACGTAT
TRAV32P	CACTGTACTGTTGAATAAAAATGCTAAACATGTCTC	TCRBV15	CCAGGAGGCCGAACACTTCTTTCT
TRAV33P	GCCTGTGAACTTTGAAAAAAAGAAAAAGTTCATCAA	TCRBV16	GCTAAGTGCCTCCCAAATTCACCCT
TRAV34	CCAAGTTGGATGAGAAAAAGCAGCAAAGTTC	TCRBV17	CACAGCTGAAAGACCTAACGGAACGT
TRAV35	TCAGTTTGGTATAACCAGAAAGGACAGCTT	TCRBV18	CTGCTGAATTTCCCAAAGAGGGCC
TRAV36/TRDV7	AAGTAGCATATTAGATAAGAAAGAACTTTCCAGCAT	TCRBV19	AGGGTACAGCGTCTCTCGGG
TRAV37P	CAGGCTTAAAAAAGGAGACCAGCACATTTC	TCRBV20	GCCTGACCTTGTCCACTCTGACA
TRAV38-1	CTTCCAGAAAGCAGCCAAATCCTTCAG	TCRBV21	ATGAGCGATTTTTAGCCCAATGCTCCA
TRAV39	TGATACCAAAGCCCGTCTCAGCAC	TCRBV22	TGAAGGCTACGTGTCTGCCAAGAG
TRAV40	GAGGCGGAAATATTAAAGACAAAAACTCCCC	TCRBV23	CTCATCTCAATGCCCCAAGAACGC
TRAV41	CCACAATAAACATACAGGAAAAGCACAGCTC	TCRBV24	AGATCTCTGATGGATACAGTGTCTCTCGACA
TRDV01	AGAAAGCAGCGAAATCCGTCGC	TCRBV25	AGATCTTTCCTCTGAGTCAACAGTCTCCAGAATA
TRDV02	TGACATTGATATTGCAAAGAACCTGGCTGT	TCRBV26	CACTGAAAAAGGAGATATCTCTGAGGGGTATCATG
TRDV035	GAAACACATTCTGACCCAGAAAGCCTTTCA	TCRBV27	GTTCCTGAAGGGTACAAAGTCTCTCGAAAAG
		TCRBV28	CTGAGGGGTACAGTGTCTCTAGAGAGA
		TCRBV29	AGCCGCCCAAACCTAACATTCTCAA
		TCRBV30	CCCAGGACCGGCAGTTCA
		TCRBVA	TTGATTAGAGACATATCCCTATTGAAAATATTTCCTGGCA
		TCRBVB	AGATGCCCTGAGTCAGCATAGTCATTCTAAC

Table S2.

Sequences of TCRA and TCRB C-gene reverse PCR primers

TCRA and TCRB C-segment primers	
Sequence Name	**Sequence**
TCRA_C50	ACAGACTTGTCACTGGATTTAGAGTCTCTCAGCTGGTACACGGCAGGGTC
TCRB_C50	GAGATCTCTGCTTCTGATGGCTCAAACACAGCGACCTCGGGTGGGAACAC

Table S3.

Sequences of DNA barcodes

BarCode	Sequence	BarCode	Sequence	BarCode	Sequence	BarCode	Sequence
JS01	CAAGGTCA	JS49	TCACTGCA	JS97	TGACCTTG	JS145	TGCAGTGA
JS02	GCATAACT	JS50	ATGGTCAA	JS98	AGTTATGC	JS146	TTGACCAT
JS03	CTCTGATT	JS51	CAAGTCAC	JS99	AATCAGAG	JS147	GTGACTTG
JS04	TACGTACG	JS52	TAGACGGA	JS100	CGTACGTA	JS148	TCCGTCTA
JS05	TACGCGTT	JS53	CAGCTCTT	JS101	AACGCGTA	JS149	AAGAGCTG
JS06	CTCAGTGA	JS54	GAGCGATA	JS102	TCACTGAG	JS150	TATCGCTC
JS07	TCTGATAT	JS55	CTCGAGAA	JS103	ATATCAGA	JS151	TTCTCGAG
JS08	CATATGCT	JS56	ATGACACC	JS104	AGCATATG	JS152	GGTGTCAT
JS09	CGTAATTA	JS57	CTTCACGA	JS105	TAATTACG	JS153	TCGTGAAG
JS10	ACGTACTC	JS58	CTATAAGG	JS106	GAGTACGT	JS154	CCTTATAG
JS11	CTTCTAAG	JS59	CGTAGAGT	JS107	CTTAGAAG	JS155	ACTCTACG
JS12	ACTATGAC	JS60	ATAGATAC	JS108	GTCATAGT	JS156	GTATCTAT
JS13	GACGTTAA	JS61	TCGTCGAT	JS109	TTAACGTC	JS157	ATCGACGA
JS14	ACAAGATA	JS62	TAAGAATC	JS110	TATCTTGT	JS158	GATTCTTA
JS15	GACTAAGA	JS63	AATGACAG	JS111	TCTTAGTC	JS159	CTGTCATT
JS16	GTGTCTAC	JS64	AGCTAGTG	JS112	GTAGACAC	JS160	CACTAGCT
JS17	TTCACTAG	JS65	TGAGACCT	JS113	CTAGTGAA	JS161	AGGTCTCA
JS18	AATCGGAT	JS66	AGCGTAAT	JS114	ATCCGATT	JS162	ATTACGCT
JS19	AGTACCGA	JS67	TAACCAAG	JS115	TCGGTACT	JS163	CTTGGTTA
JS20	TTGCCTCA	JS68	GATGGCTT	JS116	TGAGGCAA	JS164	AAGCCATC
JS21	TCGTTAGC	JS69	GCATCTGA	JS117	GCTAACGA	JS165	TCAGATGC
JS22	TATAGTTC	JS70	TTCCGGTA	JS118	GAACTATA	JS166	TACCGGAA
JS23	TGGCGTAT	JS71	GACACTCT	JS119	ATACGCCA	JS167	AGAGTGTC
JS24	TGGACATG	JS72	TTAAGCAT	JS120	CATGTCCA	JS168	ATGCTTAA
JS25	AGGTTGCT	JS73	TGCTACAC	JS121	AGCAACCT	JS169	GTGTAGCA
JS26	ATATGCTG	JS74	TCAGCTTG	JS122	CAGCATAT	JS170	CAAGCTGA
JS27	GTACAGTG	JS75	CATGTAGA	JS123	CACTGTAC	JS171	TCTACATG
JS28	ATCCATGG	JS76	TTCGGAAC	JS124	CCATGGAT	JS172	GTTCCGAA
JS29	TGATGCGA	JS77	GCAATTCG	JS125	TCGCATCA	JS173	CGAATTGC
JS30	GTAGCAGT	JS78	CAAGAGGT	JS126	ACTGCTAC	JS174	ACCTCTTG
JS31	GGATCATC	JS79	TCGATTAA	JS127	GATGATCC	JS175	TTAATCGA
JS32	GTGAACGT	JS80	GAATGGAC	JS128	ACGTTCAC	JS176	GTCCATTC
JS33	ATTAAGCG	JS81	AGAATCAG	JS129	CGCTTAAT	JS177	CTGATTCT
JS34	TATTGGCG	JS82	AACTGCCA	JS130	CGCCAATA	JS178	TGGCAGTT
JS35	CGATTACA	JS83	AAGTAACG	JS131	TGTAATCG	JS179	CGTTACTT
JS36	TGTCATCG	JS84	ACTCAATG	JS132	CGATGACA	JS180	CATTGAGT
JS37	TATCAAGT	JS85	CCTAGTAG	JS133	ACTTGATA	JS181	CTACTAGG
JS38	AGGCTTGA	JS86	CTGACGTT	JS134	TCAAGCCT	JS182	AACGTCAG
JS39	GATAACCA	JS87	TGCAGACA	JS135	TGGTTATC	JS183	TGTCTGCA
JS40	AATCCTGC	JS88	AGTTGACC	JS136	GCAGGATT	JS184	GGTCAACT
JS41	GTTATATC	JS89	GTCTCCTA	JS137	GATATAAC	JS185	TAGGAGAC
JS42	ACACACGT	JS90	CTGCAATC	JS138	ACGTGTGT	JS186	GATTGCAG
JS43	ATACGACT	JS91	TGAGCGAA	JS139	AGTCGTAT	JS187	TTCGCTCA
JS44	ATCTTCGT	JS92	TTGGACTG	JS140	ACGAAGAT	JS188	CAGTCCAA
JS45	ACATGTAT	JS93	AGCAATCC	JS141	ATACATGT	JS189	GGATTGCT
JS46	TCCACAGT	JS94	CGAACTAC	JS142	ACTGTGGA	JS190	GTAGTTCG
JS47	CAGTCTGT	JS95	TTAATGGC	JS143	ACAGACTG	JS191	GCCATTAA
JS48	TCCATGTG	JS96	GCTTAGTA	JS144	CACATGGA	JS192	TACTAAGC

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ctgggtaatt ccagtatcca tggagcctat gaaaataaga cgccaataac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 13
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 13
gcctccctcg cgccatcagt caagcctacg tgtgtccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta cgtgtgttca ctgctggtgc agagatacgc 180

agctgagtct tcttgctgca gtgcgaccac atgaaggtat aagcgagagc tgtcagggca 240

ttcaggtgtg aagtgatttg gcacagtctt gttttcaatg aattccttac agttgtagta 300

aaacatgaac tccagggatt tcttagcttt ctgtctgtac caatacatag aatcatgtcc 360

cagatgctca cgtttcattg tccttttact ccccattgct gtgaccaggt attttggtgt 420

ctgggtaatt ccagtatcca tggagcctat gaaaataaga tcaagcctac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 14
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 14
gcctccctcg cgccatcaga gagtgtctcc gtctactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga agagtgtctc cgtctactga 480

gcgggctggc aaggc 495

<210> 15
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 15
gcctccctcg cgccatcagg ttccgaatcc gtctaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga gttccgaatc cgtctactga 480

gcgggctggc aaggc 495

<210> 16
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 16

gcctccctcg cgccatcagc gttactttcc gtctactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga cgttactttc cgtctactga 480

gcgggctggc aaggc 495

<210> 17
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 17
gcctccctcg cgccatcagt aggagactcc gtctactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga taggagactc cgtctactga 480

gcgggctggc aaggc 495

<210> 18
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 18
gcctccctcg cgccatcagg acactcttcc gtctaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga gacactcttc cgtctactga 480

gcgggctggc aaggc 495

<210> 19
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 19
gcctccctcg cgccatcagt tcggaactcc gtctaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga ttcggaactc cgtctactga 480

gcgggctggc aaggc 495

<210> 20
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 20
gcctccctcg cgccatcaga agtaacgtcc gtctagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga aagtaacgtc cgtctactga 480

gcgggctggc aaggc 495

<210> 21
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 21
gcctccctcg cgccatcagg tctcctatcc gtctacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga gtctcctatc cgtctactga 480

gcgggctggc aaggc 495

<210> 22
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 22
gcctccctcg cgccatcagg tagacactcc gtctagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga gtagacactc cgtctactga 480

gcgggctggc aaggc 495

<210> 23
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 23
gcctccctcg cgccatcagc actgtactcc gtctacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga cactgtactc cgtctactga 480

gcgggctggc aaggc 495

<210> 24
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 24
gcctccctcg cgccatcagg atgatcctcc gtctaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga gatgatcctc cgtctactga 480

gcgggctggc aaggc 495

<210> 25
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 25
gcctccctcg cgccatcagc gccaatatcc gtctaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga cgccaatatc cgtctactga 480

gcgggctggc aaggc 495

<210> 26
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 26
gcctccctcg cgccatcagt caagccttcc gtctaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt ccgtctatca ctgctggcac agaagtacat 180

ggctgagtcc tccagctttg tggaccggat cttcagagtg aaatttgatc catcaggcct 240

ttcaactgag aattgatcat cgaatatttc agacttctct gagatttcat tattataaaa 300

ggaaaccaga aactcgactt tctgccccaa gatttgtctg taccaataga agtataagtg 360

attagagatg gggacacagc gcaagatcac ttcctgtccc atctgtgtga cctgatggct 420

gggagtctgg gtgacttcag gttctgtgag tcctgtgaga tcaagccttc cgtctactga 480

gcgggctggc aaggc 495

<210> 27
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 27
gcctccctcg cgccatcaga gagtgtcaag agctgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa agagtgtcaa gagctgctga 480

gcgggctggc aaggc 495

<210> 28
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 28
gcctccctcg cgccatcagg ttccgaaaag agctgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa gttccgaaaa gagctgctga 480

gcgggctggc aaggc 495

<210> 29
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 29
gcctccctcg cgccatcagc gttacttaag agctgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa cgttacttaa gagctgctga 480

gcgggctggc aaggc 495

<210> 30
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 30
gcctccctcg cgccatcagt aggagacaag agctgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa taggagacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 31
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 31
gcctccctcg cgccatcagg acactctaag agctgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa gacactctaa gagctgctga 480

gcgggctggc aaggc 495

<210> 32
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 32
gcctccctcg cgccatcagt tcggaacaag agctgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa ttcggaacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 33
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 33
gcctccctcg cgccatcaga agtaacgaag agctggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa aagtaacgaa gagctgctga 480

gcgggctggc aaggc 495

<210> 34
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 34
gcctccctcg cgccatcagg tctcctaaag agctgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa gtctcctaaa gagctgctga 480

gcgggctggc aaggc 495

<210> 35
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 35
gcctccctcg cgccatcagg tagacacaag agctggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa gtagacacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 36
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 36
gcctccctcg cgccatcagc actgtacaag agctgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa cactgtacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 37
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 37
gcctccctcg cgccatcagg atgatccaag agctgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa gatgatccaa gagctgctga 480

gcgggctggc aaggc 495

<210> 38
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 38
gcctccctcg cgccatcagc gccaataaag agctgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa cgccaataaa gagctgctga 480

gcgggctggc aaggc 495

<210> 39
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 39

gcctccctcg cgccatcagt caagcctaag agctgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta agagctgtca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aagtgagctt tgtctggaga 240

tttaggtgag aagcgatttg gaactgtttc atttataatg agctccttat tattgtagct 300

aaacattatc ttcagaaatt tcttagagtc ctgtttatac caatacatag tatcatggcc 360

cagattttgt tcacatttaa tggacttgtc gtttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acagctgtgt ccaagggacc tgcaaaggaa tcaagcctaa gagctgctga 480

gcgggctggc aaggc 495

<210> 40
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 40
gcctccctcg cgccatcaga gagtgtctat cgctcctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa agagtgtcta tcgctcctga 480

gcgggctggc aaggc 495

<210> 41
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 41
gcctccctcg cgccatcagg ttccgaatat cgctcatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa gttccgaata tcgctcctga 480

gcgggctggc aaggc 495

<210> 42
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 42
gcctccctcg cgccatcagc gttactttat cgctcctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa cgttacttta tcgctcctga 480

gcgggctggc aaggc 495

<210> 43
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 43
gcctccctcg cgccatcagt aggagactat cgctcctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa taggagacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 44
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 44
gcctccctcg cgccatcagg acactcttat cgctcagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa gacactctta tcgctcctga 480

gcgggctggc aaggc 495

<210> 45
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 45
gcctccctcg cgccatcagt tcggaactat cgctcatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa ttcggaacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 46
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 46
gcctccctcg cgccatcaga agtaacgtat cgctcgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa aagtaacgta tcgctcctga 480

gcgggctggc aaggc 495

<210> 47
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 47
gcctccctcg cgccatcagg tctcctatat cgctccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa gtctcctata tcgctcctga 480

gcgggctggc aaggc 495

<210> 48
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 48
gcctccctcg cgccatcagg tagacactat cgctcgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa gtagacacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 49
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 49
gcctccctcg cgccatcagc actgtactat cgctccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa cactgtacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 50
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 50
gcctccctcg cgccatcagg atgatcctat cgctcccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa gatgatccta tcgctcctga 480

gcgggctggc aaggc 495

<210> 51
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 51
gcctccctcg cgccatcagc gccaatatat cgctcccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa cgccaatata tcgctcctga 480

gcgggctggc aaggc 495

<210> 52
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 52
gcctccctcg cgccatcagt caagccttat cgctcccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt atcgctctca ctgctggcac agaaatacac 180

agcagagtca ccaagctcca gggaattgat gtgaagattt aaatgagctt tgtctggaga 240

gtcaggtgag aagcgatttg gaactgtttc atttaaaatt ggctccttgt tactgtagat 300

aaacattgtc ttcagaaatt tcttagagtc ctgtttatac caatacatag cattatggcc 360

cagattttgt tctcatttaa gagactcctt ttttcccatc tgtgtgacca ggtattttgg 420

agtctgggaa acggctgtgt ccagtggatc tgtaaaggaa tcaagcctta tcgctcctga 480

gcgggctggc aaggc 495

<210> 53
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 53
gcctccctcg cgccatcaga gagtgtctca gatgcctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga agagtgtctc agatgcctga 480

gcgggctggc aaggc 495

<210> 54
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 54
gcctccctcg cgccatcagg ttccgaatca gatgcatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga gttccgaatc agatgcctga 480

gcgggctggc aaggc 495

<210> 55
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 55
gcctccctcg cgccatcagc gttactttca gatgcctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga cgttactttc agatgcctga 480

gcgggctggc aaggc 495

<210> 56
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 56
gcctccctcg cgccatcagt aggagactca gatgcctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga taggagactc agatgcctga 480

gcgggctggc aaggc 495

<210> 57
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 57
gcctccctcg cgccatcagg acactcttca gatgcagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga gacactcttc agatgcctga 480

gcgggctggc aaggc 495

<210> 58
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 58
gcctccctcg cgccatcagt tcggaactca gatgcatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga ttcggaactc agatgcctga 480

gcgggctggc aaggc 495

<210> 59
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 59
gcctccctcg cgccatcaga agtaacgtca gatgcgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga aagtaacgtc agatgcctga 480

gcgggctggc aaggc 495

<210> 60
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 60
gcctccctcg cgccatcagg tctcctatca gatgccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga gtctcctatc agatgcctga 480

gcgggctggc aaggc 495

<210> 61
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 61
gcctccctcg cgccatcagg tagacactca gatgcgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga gtagacactc agatgcctga 480

gcgggctggc aaggc 495

<210> 62
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 62

gcctccctcg cgccatcagc actgtactca gatgccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga cactgtactc agatgcctga 480

gcgggctggc aaggc 495

<210> 63
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 63
gcctccctcg cgccatcagg atgatcctca gatgcccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga gatgatcctc agatgcctga 480

gcgggctggc aaggc 495

<210> 64
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 64
gcctccctcg cgccatcagc gccaatatca gatgcccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga cgccaatatc agatgcctga 480

gcgggctggc aaggc 495

<210> 65
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 65
gcctccctcg cgccatcagt caagccttca gatgcccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt cagatgctca ctgctggcgc agagatacag 180

ggctgagtct tctggctgca gggcgtgtag gtgaaggttt aagagagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactttc atttatagag agtttctcat agctgtagac 300

aaacatgagc tccggtggct tcttagcttt ctgcttgtac caatacatag ccctgtgccc 360

catatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgttttgg 420

tgtctgggta acttcagtgt ctatgggaac tgtaggagga tcaagccttc agatgcctga 480

gcgggctggc aaggc 495

<210> 66
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 66
gcctccctcg cgccatcaga gagtgtcgtg tagcactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga agagtgtcgt gtagcactga 480

gcgggctggc aaggc 495

<210> 67
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 67
gcctccctcg cgccatcagg ttccgaagtg tagcaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga gttccgaagt gtagcactga 480

gcgggctggc aaggc 495

<210> 68
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 68
gcctccctcg cgccatcagc gttacttgtg tagcactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga cgttacttgt gtagcactga 480

gcgggctggc aaggc 495

<210> 69
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 69
gcctccctcg cgccatcagt aggagacgtg tagcactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga taggagacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 70
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 70
gcctccctcg cgccatcagg acactctgtg tagcaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga gacactctgt gtagcactga 480

gcgggctggc aaggc 495

<210> 71
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 71
gcctccctcg cgccatcagt tcggaacgtg tagcaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga ttcggaacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 72
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 72
gcctccctcg cgccatcaga agtaacggtg tagcagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga aagtaacggt gtagcactga 480

gcgggctggc aaggc 495

<210> 73
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 73
gcctccctcg cgccatcagg tctcctagtg tagcacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga gtctcctagt gtagcactga 480

gcgggctggc aaggc 495

<210> 74
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 74
gcctccctcg cgccatcagg tagacacgtg tagcagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga gtagacacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 75
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 75
gcctccctcg cgccatcagc actgtacgtg tagcacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga cactgtacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 76
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 76
gcctccctcg cgccatcagg atgatccgtg tagcaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga gatgatccgt gtagcactga 480

gcgggctggc aaggc 495

<210> 77
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 77
gcctccctcg cgccatcagc gccaatagtg tagcaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga cgccaatagt gtagcactga 480

gcgggctggc aaggc 495

<210> 78
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 78
gcctccctcg cgccatcagt caagcctgtg tagcaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg tgtagcatca ctgctggcac agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcagtc tgttctttaa agttgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgccc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgcgggggga tcaagcctgt gtagcactga 480

gcgggctggc aaggc 495

<210> 79
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 79
gcctccctcg cgccatcaga gagtgtctgg cagttctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gagtgtctg gcagttctga 480

gcgggctggc aaggc 495

<210> 80
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 80
gcctccctcg cgccatcagg ttccgaatgg cagttatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gttccgaatg gcagttctga 480

gcgggctggc aaggc 495

<210> 81
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 81
gcctccctcg cgccatcagc gttactttgg cagttctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga cgttactttg gcagttctga 480

gcgggctggc aaggc 495

<210> 82
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 82
gcctccctcg cgccatcagt aggagactgg cagttctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga taggagactg gcagttctga 480

gcgggctggc aaggc 495

<210> 83
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 83
gcctccctcg cgccatcagg acactcttgg cagttagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gacactcttg gcagttctga 480

gcgggctggc aaggc 495

<210> 84
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 84
gcctccctcg cgccatcagt tcggaactgg cagttatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga ttcggaactg gcagttctga 480

gcgggctggc aaggc 495

<210> 85
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 85

gcctccctcg cgccatcaga agtaacgtgg cagttgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga aagtaacgtg gcagttctga 480

gcgggctggc aaggc 495

<210> 86
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 86
gcctccctcg cgccatcagg tctcctatgg cagttcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gtctcctatg gcagttctga 480

gcgggctggc aaggc 495

<210> 87
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 87
gcctccctcg cgccatcagg tagacactgg cagttgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gtagacactg gcagttctga 480

gcgggctggc aaggc 495

<210> 88
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 88
gcctccctcg cgccatcagc actgtactgg cagttcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga cactgtactg gcagttctga 480

gcgggctggc aaggc 495

<210> 89
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 89
gcctccctcg cgccatcagg atgatcctgg cagttccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga gatgatcctg gcagttctga 480

gcgggctggc aaggc 495

<210> 90
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 90
gcctccctcg cgccatcagc gccaatatgg cagttccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga cgccaatatg gcagttctga 480

gcgggctggc aaggc 495

<210> 91
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 91
gcctccctcg cgccatcagt caagccttgg cagttccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt ggcagtttca ctgctggcgc agagatacag 180

ggccgagtct tctggctgca gggtgtgtag gtgaaggaat aagtgagagc tgttggggca 240

ttcaggtgag aagcgacttg gcacactgtt gttttcaacc cgttcttcaa gactgtagac 300

aaacatgagc tccagtggct tcttagcact ttgcttgtac caatacatag cgttatgacc 360

cagatgttgt tcacatttca aagacttctt atttgtcatt cccatgacca ggtgtcttgg 420

tgtctgcgta actcccgttt ccatggggac tgtgggggga tcaagccttg gcagttctga 480

gcgggctggc aaggc 495

<210> 92
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 92
gcctccctcg cgccatcaga gagtgtccag tccaactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag agagtgtcca gtccaactga 480

gcgggctggc aaggc 495

<210> 93
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 93
gcctccctcg cgccatcagg ttccgaacag tccaaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag gttccgaaca gtccaactga 480

gcgggctggc aaggc 495

<210> 94
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 94
gcctccctcg cgccatcagc gttacttcag tccaactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag cgttacttca gtccaactga 480

gcgggctggc aaggc 495

<210> 95
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 95
gcctccctcg cgccatcagt aggagaccag tccaactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag taggagacca gtccaactga 480

gcgggctggc aaggc 495

<210> 96
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 96
gcctccctcg cgccatcagg acactctcag tccaaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag gacactctca gtccaactga 480

gcgggctggc aaggc 495

<210> 97
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 97
gcctccctcg cgccatcagt tcggaaccag tccaaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag ttcggaacca gtccaactga 480

gcgggctggc aaggc 495

<210> 98
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 98
gcctccctcg cgccatcaga agtaacgcag tccaagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag aagtaacgca gtccaactga 480

gcgggctggc aaggc 495

<210> 99
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 99
gcctccctcg cgccatcagg tctcctacag tccaacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag gtctcctaca gtccaactga 480

gcgggctggc aaggc 495

<210> 100
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 100
gcctccctcg cgccatcagg tagacaccag tccaagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag gtagacacca gtccaactga 480

gcgggctggc aaggc 495

<210> 101
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 101
gcctccctcg cgccatcagc actgtaccag tccaacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag cactgtacca gtccaactga 480

gcgggctggc aaggc 495

<210> 102
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 102
gcctccctcg cgccatcagg atgatcccag tccaaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag gatgatccca gtccaactga 480

gcgggctggc aaggc 495

<210> 103
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 103
gcctccctcg cgccatcagc gccaatacag tccaaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag cgccaataca gtccaactga 480

gcgggctggc aaggc 495

<210> 104
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 104
gcctccctcg cgccatcagt caagcctcag tccaaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc agtccaatca tgctggcgca aagataaagg 180

gccgagtccc ccagctccaa ggtgctcaca ttcatctcag agcgagagtt agagaactgg 240

cgccctgaga atcgaccagg gaagtttcct ttgtttctct gtgtctcact gaagtattca 300

aagaggaact gaaggccctg tcctggggtc tgttggtacc aggatacact cctatgccca 360

gagatagggg agcagctcag tgtcacttgc tgtcctctcg ttttgatcag atatcttgga 420

gtttgagtga ctccagcctt tactgggcct gtgggaaaag tcaagcctca gtccaactga 480

gcgggctggc aaggc 495

<210> 105
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 105
gcctccctcg cgccatcaga gagtgtcgtg tctacctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa agagtgtcgt gtctacctga 480

gcgggctggc aaggc 495

<210> 106
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 106
gcctccctcg cgccatcagg ttccgaagtg tctacatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa gttccgaagt gtctacctga 480

gcgggctggc aaggc 495

<210> 107
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 107
gcctccctcg cgccatcagc gttacttgtg tctacctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa cgttacttgt gtctacctga 480

gcgggctggc aaggc 495

<210> 108
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 108

gcctccctcg cgccatcagt aggagacgtg tctacctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa taggagacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 109
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 109
gcctccctcg cgccatcagg acactctgtg tctacagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa gacactctgt gtctacctga 480

gcgggctggc aaggc 495

<210> 110
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 110
gcctccctcg cgccatcagt tcggaacgtg tctacatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa ttcggaacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 111
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 111
gcctccctcg cgccatcaga agtaacggtg tctacgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa aagtaacggt gtctacctga 480

gcgggctggc aaggc 495

<210> 112
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 112
gcctccctcg cgccatcagg tctcctagtg tctaccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa gtctcctagt gtctacctga 480

gcgggctggc aaggc 495

<210> 113
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 113
gcctccctcg cgccatcagg tagacacgtg tctacgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa gtagacacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 114
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 114
gcctccctcg cgccatcagc actgtacgtg tctaccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa cactgtacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 115
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 115
gcctccctcg cgccatcagg atgatccgtg tctacccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa gatgatccgt gtctacctga 480

gcgggctggc aaggc 495

<210> 116
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 116
gcctccctcg cgccatcagc gccaatagtg tctacccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa cgccaatagt gtctacctga 480

gcgggctggc aaggc 495

<210> 117
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 117
gcctccctcg cgccatcagt caagcctgtg tctacccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg tgtctactca tgctggcaca gagatacagg 180

gctgagtccc ctagctccgt gtttgactca gtaatagtta tggacgtggt gagctgagaa 240

tcaattaggc aagtttcctt ttgctctttg taacctatta caatattgta acaataacta 300

gaggggctga cttggagttc gtaggtacca ggacacacag ttatgcccag aggcagggga 360

gcatctcagt gtcacttgct ggtctcttgt tttgatcagg tgtcttggag cttgggtgat 420

tccagcctcc actgggcctg aggaaaaaat aggtggagaa tcaagcctgt gtctacctga 480

gcgggctggc aaggc 495

<210> 118
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 118
gcctccctcg cgccatcaga gagtgtcgta cagtgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcctc cactgggcct gtgggaaaag agagtgtcgt acagtgctga 480

gcgggctggc aaggc 495

<210> 119
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 119
gcctccctcg cgccatcagg ttccgaagta cagtgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcctc cactgggcct gtgggaaaag gttccgaagt acagtgctga 480

gcgggctggc aaggc 495

<210> 120
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 120
gcctccctcg cgccatcagc gttacttgta cagtgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 121
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 121
gcctccctcg cgccatcagt aggagacgta cagtgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 122
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 122
gcctccctcg cgccatcagg acactctgta cagtgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 123
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 123
gcctccctcg cgccatcagt tcggaacgta cagtgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcctc cactgggcct gtgggaaaag ttcggaacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 124
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 124
gcctccctcg cgccatcaga agtaacggta cagtggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcctc cactgggcct gtgggaaaag aagtaacggt acagtgctga 480

gcgggctggc aaggc 495

<210> 125
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 125
gcctccctcg cgccatcagg tctcctagta cagtgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcctc cactgggcct gtgggaaaag gtctcctagt acagtgctga 480

gcgggctggc aaggc 495

<210> 126
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 126
gcctccctcg cgccatcagg tagacacgta cagtggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 127
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 127
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agtactgaat gttttgtcga ccactgtacg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 128
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<213> Artificial Sequence

<220>
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gaagtactgg gtctcgtcga cgatgatccg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 129
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaatag tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

aagataaact ggggcccctg acccggggcc tgttggtacc aggacacact gctgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 130
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<213> Artificial Sequence

<220>
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polynucleotide"

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cgaagtactg ctcgtgtcga ctcaagcctg tacagtgtca ttctggcaca gagatacagg 180

gccgagtccc ccagctccaa ggcactcaca ttcatctcag agcaacagtc atggaactgg 240

cgccctgaga atcgattagg gaagtttcct tctgatctcc ttaactcatt agcatattca 300

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gcgggctggc aaggc 495

<210> 131
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
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polynucleotide"

<400> 131

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aaagaaagct tcagtgtcga cagagtgtcg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

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gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 132
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<212> DNA
<213> Artificial Sequence

<220>
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gaaggtgtag ccatagtcga cgttccgaag gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

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aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

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gcgggctggc aaggc 495

<210> 133
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<220>
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<400> 133
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aatatatggt gtttcgtcga ccgttacttg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 134
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aaacagtttt tcattgtcga ctaggagacg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 135
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<212> DNA
<213> Artificial Sequence

<220>
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aatgctgggg ctgatgtcga cgacactctg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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ggaggggtga attatgtcga cttcggaacg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 137
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 137
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cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagtctc cactgagcct gtgggaaaag aagtaacggg atcatcctga 480

gcgggctggc aaggc 495

<210> 138
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

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aaacagctcc ccggtgtcga cgtctcctag gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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polynucleotide"

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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 140
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 141
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 141
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gaagtactgg gtctcgtcga cgatgatccg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gttgtgccca 360

gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 142
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaatag gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

agacctgaga atctaggagg gaagtttcct ctgccattct cttcctccct ataatactga 300

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gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 143
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 143
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cgaagtactg ctcgtgtcga ctcaagcctg gatcatctca tgctggcaca gagatacagg 180

gccgagtcgt ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

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gactgagaag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 144
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 144
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aaagaaagct tcagtgtcga cagagtgtct attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

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gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 145
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaat attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 146
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 147
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaacagtttt tcattgtcga ctaggagact attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

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gcgggctggc aaggc 495

<210> 148
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aatgctgggg ctgatgtcga cgacactctt attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 149
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 150
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 150
gcctccctcg cgccatcaga agtaacgtat tggcggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag aagtaacgta ttggcgctga 480

gcgggctggc aaggc 495

<210> 151
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 151
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gtctcctata ttggcgctga 480

gcgggctggc aaggc 495

<210> 152
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 152
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 153
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 153
gcctccctcg cgccatcagc actgtactat tggcgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 154
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 154

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gaagtactgg gtctcgtcga cgatgatcct attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gatgatccta ttggcgctga 480

gcgggctggc aaggc 495

<210> 155
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 155
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag cgccaatata ttggcgctga 480

gcgggctggc aaggc 495

<210> 156
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 156
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gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt attggcgtca tgctggcaca gagatacagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

cgagctgaga atcgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccaggacc tgttggtacc aggacacact cttgtgccca 360

gagataggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag tcaagcctta ttggcgctga 480

gcgggctggc aaggc 495

<210> 157
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 157
gcctccctcg cgccatcaga gagtgtcagg cttgactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag agagtgtcag gcttgactga 480

gcgggctggc aaggc 495

<210> 158
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 158
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atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag gttccgaaag gcttgactga 480

gcgggctggc aaggc 495

<210> 159
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 159
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag cgttacttag gcttgactga 480

gcgggctggc aaggc 495

<210> 160
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 160
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cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag taggagacag gcttgactga 480

gcgggctggc aaggc 495

<210> 161
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 161
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tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag gacactctag gcttgactga 480

gcgggctggc aaggc 495

<210> 162
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 162
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag ttcggaacag gcttgactga 480

gcgggctggc aaggc 495

<210> 163
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 163
gcctccctcg cgccatcaga agtaacgagg cttgagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag aagtaacgag gcttgactga 480

gcgggctggc aaggc 495

<210> 164
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 164
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag gtctcctaag gcttgactga 480

gcgggctggc aaggc 495

<210> 165
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 165
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag gtagacacag gcttgactga 480

gcgggctggc aaggc 495

<210> 166
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 166
gcctccctcg cgccatcagc actgtacagg cttgacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag cactgtacag gcttgactga 480

gcgggctggc aaggc 495

<210> 167
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 167
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cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag gatgatccag gcttgactga 480

gcgggctggc aaggc 495

<210> 168
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 168
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 169
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 169
gcctccctcg cgccatcagt caagcctagg cttgaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta ggcttgatca tgctggcaca gagatagagg 180

gccgagtccc ccagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga atcgatcagg gaagttgcct ctctgtctct cttcctcctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacc aggacacagt gtcatgccca 360

gacttaggag agcatctcag agtcacttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactaagcct gtgggaaaag tcaagcctag gcttgactga 480

gcgggctggc aaggc 495

<210> 170
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 170
gcctccctcg cgccatcaga gagtgtcaca cacgtctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 171
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 171
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atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

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gcgggctggc aaggc 495

<210> 172
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 172
gcctccctcg cgccatcagc gttacttaca cacgtctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag cgttacttac acacgtctga 480

gcgggctggc aaggc 495

<210> 173
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 173
gcctccctcg cgccatcagt aggagacaca cacgtctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag taggagacac acacgtctga 480

gcgggctggc aaggc 495

<210> 174
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 174
gcctccctcg cgccatcagg acactctaca cacgtagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gacactctac acacgtctga 480

gcgggctggc aaggc 495

<210> 175
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 175
gcctccctcg cgccatcagt tcggaacaca cacgtatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag ttcggaacac acacgtctga 480

gcgggctggc aaggc 495

<210> 176
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 176
gcctccctcg cgccatcaga agtaacgaca cacgtgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag aagtaacgac acacgtctga 480

gcgggctggc aaggc 495

<210> 177
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 177

gcctccctcg cgccatcagg tctcctaaca cacgtcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gtctcctaac acacgtctga 480

gcgggctggc aaggc 495

<210> 178
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 178
gcctccctcg cgccatcagg tagacacaca cacgtgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gtagacacac acacgtctga 480

gcgggctggc aaggc 495

<210> 179
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 179
gcctccctcg cgccatcagc actgtacaca cacgtcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag cactgtacac acacgtctga 480

gcgggctggc aaggc 495

<210> 180
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 180
gcctccctcg cgccatcagg atgatccaca cacgtccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag gatgatccac acacgtctga 480

gcgggctggc aaggc 495

<210> 181
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 181
gcctccctcg cgccatcagc gccaataaca cacgtccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag cgccaataac acacgtctga 480

gcgggctggc aaggc 495

<210> 182
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 182
gcctccctcg cgccatcagt caagcctaca cacgtccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta cacacgttca tgctggcaca gagatagagg 180

gccgagtccc ctagcaacaa ggcgttcaca ttcagctcag agctatagtt agggaactgg 240

tgacctgaga attgatcagg gaagtttcct cttcctctct cttctttctc ataatactga 300

aagataaact ggggcccctg acccagggcc tgttggtacg aggacacact ggtgtgccca 360

gagataggag agcatctcag agtcacgtgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgggtga ctccagcgtc cactgggcct gtgggaaaag tcaagcctac acacgtctga 480

gcgggctggc aaggc 495

<210> 183
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 183
gcctccctcg cgccatcaga gagtgtctag acggactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag agagtgtcta gacggactga 480

gcgggctggc aaggc 495

<210> 184
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 184
gcctccctcg cgccatcagg ttccgaatag acggaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag gttccgaata gacggactga 480

gcgggctggc aaggc 495

<210> 185
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 185
gcctccctcg cgccatcagc gttactttag acggactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag cgttacttta gacggactga 480

gcgggctggc aaggc 495

<210> 186
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 186
gcctccctcg cgccatcagt aggagactag acggactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag taggagacta gacggactga 480

gcgggctggc aaggc 495

<210> 187
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 187
gcctccctcg cgccatcagg acactcttag acggaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag gacactctta gacggactga 480

gcgggctggc aaggc 495

<210> 188
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 188
gcctccctcg cgccatcagt tcggaactag acggaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag ttcggaacta gacggactga 480

gcgggctggc aaggc 495

<210> 189
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 189
gcctccctcg cgccatcaga agtaacgtag acggagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag aagtaacgta gacggactga 480

gcgggctggc aaggc 495

<210> 190
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 190
gcctccctcg cgccatcagg tctcctatag acggacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag gtctcctata gacggactga 480

gcgggctggc aaggc 495

<210> 191
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 191
gcctccctcg cgccatcagg tagacactag acggagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag gtagacacta gacggactga 480

gcgggctggc aaggc 495

<210> 192
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 192
gcctccctcg cgccatcagc actgtactag acggacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag cactgtacta gacggactga 480

gcgggctggc aaggc 495

<210> 193
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 193
gcctccctcg cgccatcagg atgatcctag acggaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag gatgatccta gacggactga 480

gcgggctggc aaggc 495

<210> 194
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 194
gcctccctcg cgccatcagc gccaatatag acggaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag cgccaatata gacggactga 480

gcgggctggc aaggc 495

<210> 195
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 195
gcctccctcg cgccatcagt caagccttag acggaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt agacggatca tgctggcaca gagatacagg 180

gccgagtcct ccagctccaa ggcgttcaca ttcagctcag agctataatt agggaactgg 240

cgacctgaaa atctaggagg gaagtttcct ctgtttctct cttcaccctc gtcataccaa 300

aggaggaact ggaggcccag acccagggcc tgttggtacc agtacacact ggtgtgccca 360

gagataggag agcatctcag agtcgcttgc tgtcctctcg ttttgatcag gtgtgtggga 420

ctttgtgtga ctccagcctc cactgggcct gcaggaaaag tcaagcctta gacggactga 480

gcgggctggc aaggc 495

<210> 196
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 196
gcctccctcg cgccatcaga gagtgtccag ctcttctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtcca gctcttctga 480

gcgggctggc aaggc 495

<210> 197
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 197
gcctccctcg cgccatcagg ttccgaacag ctcttatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaaca gctcttctga 480

gcgggctggc aaggc 495

<210> 198
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 198
gcctccctcg cgccatcagc gttacttcag ctcttctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttacttca gctcttctga 480

gcgggctggc aaggc 495

<210> 199
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 199
gcctccctcg cgccatcagt aggagaccag ctcttctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagacca gctcttctga 480

gcgggctggc aaggc 495

<210> 200
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 200

gcctccctcg cgccatcagg acactctcag ctcttagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactctca gctcttctga 480

gcgggctggc aaggc 495

<210> 201
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 201
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaacca gctcttctga 480

gcgggctggc aaggc 495

<210> 202
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 202
gcctccctcg cgccatcaga agtaacgcag ctcttgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacgca gctcttctga 480

gcgggctggc aaggc 495

<210> 203
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 203
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctaca gctcttctga 480

gcgggctggc aaggc 495

<210> 204
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 204
gcctccctcg cgccatcagg tagacaccag ctcttgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacacca gctcttctga 480

gcgggctggc aaggc 495

<210> 205
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 205
gcctccctcg cgccatcagc actgtaccag ctcttcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtacca gctcttctga 480

gcgggctggc aaggc 495

<210> 206
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 206
gcctccctcg cgccatcagg atgatcccag ctcttccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatccca gctcttctga 480

gcgggctggc aaggc 495

<210> 207
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 207
gcctccctcg cgccatcagc gccaatacag ctcttccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgccaataca gctcttctga 480

gcgggctggc aaggc 495

<210> 208
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 208
gcctccctcg cgccatcagt caagcctcag ctcttccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc agctctttca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgactccag cctgagcgag aactcccgtt tgtttaatct 240

ggagacattg tagccattgg ggacttctcc tttgtcagtg gtaccctcag aagctgagta 300

ataaatcagc ctcagtccca tgcctgggtc ttgtcgatac cagtacatgg agttatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag tcaagcctca gctcttctga 480

gcgggctggc aaggc 495

<210> 209
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 209
gcctccctcg cgccatcaga gagtgtcgag cgatactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtcga gcgatactga 480

gcgggctggc aaggc 495

<210> 210
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 210
gcctccctcg cgccatcagg ttccgaagag cgataatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaaga gcgatactga 480

gcgggctggc aaggc 495

<210> 211
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 211
gcctccctcg cgccatcagc gttacttgag cgatactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttacttga gcgatactga 480

gcgggctggc aaggc 495

<210> 212
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 212
gcctccctcg cgccatcagt aggagacgag cgatactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagacga gcgatactga 480

gcgggctggc aaggc 495

<210> 213
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 213
gcctccctcg cgccatcagg acactctgag cgataagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactctga gcgatactga 480

gcgggctggc aaggc 495

<210> 214
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 214
gcctccctcg cgccatcagt tcggaacgag cgataatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaacga gcgatactga 480

gcgggctggc aaggc 495

<210> 215
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 215
gcctccctcg cgccatcaga agtaacggag cgatagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacgga gcgatactga 480

gcgggctggc aaggc 495

<210> 216
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 216
gcctccctcg cgccatcagg tctcctagag cgatacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctaga gcgatactga 480

gcgggctggc aaggc 495

<210> 217
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 217
gcctccctcg cgccatcagg tagacacgag cgatagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacacga gcgatactga 480

gcgggctggc aaggc 495

<210> 218
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 218
gcctccctcg cgccatcagc actgtacgag cgatacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtacga gcgatactga 480

gcgggctggc aaggc 495

<210> 219
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 219
gcctccctcg cgccatcagg atgatccgag cgataccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatccga gcgatactga 480

gcgggctggc aaggc 495

<210> 220
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 220
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgccaataga gcgatactga 480

gcgggctggc aaggc 495

<210> 221
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 221
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gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg agcgatatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag tcaagcctga gcgatactga 480

gcgggctggc aaggc 495

<210> 222
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 222
gcctccctcg cgccatcaga gagtgtcgca tctgactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtcgc atctgactga 480

gcgggctggc aaggc 495

<210> 223
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 223

gcctccctcg cgccatcagg ttccgaagca tctgaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaagc atctgactga 480

gcgggctggc aaggc 495

<210> 224
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 224
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttacttgc atctgactga 480

gcgggctggc aaggc 495

<210> 225
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 225
gcctccctcg cgccatcagt aggagacgca tctgactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagacgc atctgactga 480

gcgggctggc aaggc 495

<210> 226
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 226
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tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactctgc atctgactga 480

gcgggctggc aaggc 495

<210> 227
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 227
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaacgc atctgactga 480

gcgggctggc aaggc 495

<210> 228
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 228
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cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacggc atctgactga 480

gcgggctggc aaggc 495

<210> 229
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 229
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctagc atctgactga 480

gcgggctggc aaggc 495

<210> 230
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 230
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacacgc atctgactga 480

gcgggctggc aaggc 495

<210> 231
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 231
gcctccctcg cgccatcagc actgtacgca tctgacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtacgc atctgactga 480

gcgggctggc aaggc 495

<210> 232
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 232
gcctccctcg cgccatcagg atgatccgca tctgaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatccgc atctgactga 480

gcgggctggc aaggc 495

<210> 233
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 233
gcctccctcg cgccatcagc gccaatagca tctgaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgccaatagc atctgactga 480

gcgggctggc aaggc 495

<210> 234
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 234
gcctccctcg cgccatcagt caagcctgca tctgaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg catctgatca ctgctggcac agaagtacac 180

agatgtttgg gagggagcag ccgactccaa ccccagcagg aaattctgtt tttttaatct 240

ggagacattg tagccatcag ggacctctcc tttggcagtt gtaccctcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac cagtacatgt attcatggtt 360

catatcctgg gcacacagca gtgtcatgct ctgtcctgtc ttcaggaccc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag tcaagcctgc atctgactga 480

gcgggctggc aaggc 495

<210> 235
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 235
gcctccctcg cgccatcaga gagtgtctgc tacacctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag agagtgtctg ctacacctga 480

gcgggctggc aaggc 495

<210> 236
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 236
gcctccctcg cgccatcagg ttccgaatgc tacacatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

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gcgggctggc aaggc 495

<210> 237
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 237
gcctccctcg cgccatcagc gttactttgc tacacctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag cgttactttg ctacacctga 480

gcgggctggc aaggc 495

<210> 238
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 238
gcctccctcg cgccatcagt aggagactgc tacacctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag taggagactg ctacacctga 480

gcgggctggc aaggc 495

<210> 239
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 239
gcctccctcg cgccatcagg acactcttgc tacacagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag gacactcttg ctacacctga 480

gcgggctggc aaggc 495

<210> 240
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 240
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag ttcggaactg ctacacctga 480

gcgggctggc aaggc 495

<210> 241
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 241
gcctccctcg cgccatcaga agtaacgtgc tacacgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag aagtaacgtg ctacacctga 480

gcgggctggc aaggc 495

<210> 242
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 242
gcctccctcg cgccatcagg tctcctatgc tacaccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag gtctcctatg ctacacctga 480

gcgggctggc aaggc 495

<210> 243
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 243
gcctccctcg cgccatcagg tagacactgc tacacgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag gtagacactg ctacacctga 480

gcgggctggc aaggc 495

<210> 244
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 244
gcctccctcg cgccatcagc actgtactgc tacaccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag cactgtactg ctacacctga 480

gcgggctggc aaggc 495

<210> 245
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 245
gcctccctcg cgccatcagg atgatcctgc tacacccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag gatgatcctg ctacacctga 480

gcgggctggc aaggc 495

<210> 246
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 246

gcctccctcg cgccatcagc gccaatatgc tacacccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag cgccaatatg ctacacctga 480

gcgggctggc aaggc 495

<210> 247
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 247
gcctccctcg cgccatcagt caagccttgc tacacccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt gctacactca ctgctggcac agaagtacac 180

agatgtctga gagggtacag cagacgccaa cgtgaggggg aaatcatctg tgtttgctct 240

ggagacacta taaccatcag ggacttctcc tttgccagtg gtacctgcag tatttgaata 300

atggatgagc cttagcccca gtcctagatc ttgtctatac cagtacatgg cattatgtct 360

catatcctgg gtacatctca gtgtcatgcg ccgtcctgct gccaggatct gagatgttgg 420

tgcctgggtg atcccagcaa tcactggacc tacagagaag tcaagccttg ctacacctga 480

gcgggctggc aaggc 495

<210> 248
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 248
gcctccctcg cgccatcaga gagtgtcaac tgccactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtcaa ctgccactga 480

gcgggctggc aaggc 495

<210> 249
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 249
gcctccctcg cgccatcagg ttccgaaaac tgccaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaaaa ctgccactga 480

gcgggctggc aaggc 495

<210> 250
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 250
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttacttaa ctgccactga 480

gcgggctggc aaggc 495

<210> 251
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 251
gcctccctcg cgccatcagt aggagacaac tgccactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 252
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 252
gcctccctcg cgccatcagg acactctaac tgccaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactctaa ctgccactga 480

gcgggctggc aaggc 495

<210> 253
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 253
gcctccctcg cgccatcagt tcggaacaac tgccaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 254
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 254
gcctccctcg cgccatcaga agtaacgaac tgccagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacgaa ctgccactga 480

gcgggctggc aaggc 495

<210> 255
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 255
gcctccctcg cgccatcagg tctcctaaac tgccacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctaaa ctgccactga 480

gcgggctggc aaggc 495

<210> 256
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 256
gcctccctcg cgccatcagg tagacacaac tgccagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 257
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 257
gcctccctcg cgccatcagc actgtacaac tgccacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 258
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 258
gcctccctcg cgccatcagg atgatccaac tgccaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatccaa ctgccactga 480

gcgggctggc aaggc 495

<210> 259
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 259
gcctccctcg cgccatcagc gccaataaac tgccaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgccaataaa ctgccactga 480

gcgggctggc aaggc 495

<210> 260
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 260
gcctccctcg cgccatcagt caagcctaac tgccaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta actgccatca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccgacagcag cctgagcggg aaatcctctg tggttgatct 240

ggagacattg tagccattgg ggacttctcc ttggtcagtg ataccagcac caactgagta 300

atgaatcagc ctcagcccca tgcctgggtc ttgtcgatac caggacatgt attcatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggacct ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag tcaagcctaa ctgccactga 480

gcgggctggc aaggc 495

<210> 261
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 261
gcctccctcg cgccatcaga gagtgtcttg gactgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtctt ggactgctga 480

gcgggctggc aaggc 495

<210> 262
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 262
gcctccctcg cgccatcagg ttccgaattg gactgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaatt ggactgctga 480

gcgggctggc aaggc 495

<210> 263
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 263
gcctccctcg cgccatcagc gttacttttg gactgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttactttt ggactgctga 480

gcgggctggc aaggc 495

<210> 264
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 264
gcctccctcg cgccatcagt aggagacttg gactgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagactt ggactgctga 480

gcgggctggc aaggc 495

<210> 265
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 265
gcctccctcg cgccatcagg acactctttg gactgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactcttt ggactgctga 480

gcgggctggc aaggc 495

<210> 266
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 266
gcctccctcg cgccatcagt tcggaacttg gactgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaactt ggactgctga 480

gcgggctggc aaggc 495

<210> 267
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 267
gcctccctcg cgccatcaga agtaacgttg gactggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacgtt ggactgctga 480

gcgggctggc aaggc 495

<210> 268
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 268
gcctccctcg cgccatcagg tctcctattg gactgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctatt ggactgctga 480

gcgggctggc aaggc 495

<210> 269
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 269

gcctccctcg cgccatcagg tagacacttg gactggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacactt ggactgctga 480

gcgggctggc aaggc 495

<210> 270
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 270
gcctccctcg cgccatcagc actgtacttg gactgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtactt ggactgctga 480

gcgggctggc aaggc 495

<210> 271
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 271
gcctccctcg cgccatcagg atgatccttg gactgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatcctt ggactgctga 480

gcgggctggc aaggc 495

<210> 272
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 272
gcctccctcg cgccatcagc gccaatattg gactgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgccaatatt ggactgctga 480

gcgggctggc aaggc 495

<210> 273
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 273
gcctccctcg cgccatcagt caagcctttg gactgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt tggactgtca ctgctggcac agaagtacac 180

agatgtctgg gagggagcag ccaactccag cctgagcggg aaatcctctg tggttgatct 240

ggagacgttg tagccattcg ggacttctcc tttatcagtg ataccagcac caactgaata 300

ataaatcagc ttcagcccca tgcctgggtc ttgtcgatac cagtacatgt agttatggtt 360

catatcctgg gtacactgca gtgtcatgct ctgtcctatc ttcaggatgc ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag tcaagcctttt ggactgctga 480

gcgggctggc aaggc 495

<210> 274
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 274
gcctccctcg cgccatcaga gagtgtccgt acgtactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag agagtgtccg tacgtactga 480

gcgggctggc aaggc 495

<210> 275
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 275
gcctccctcg cgccatcagg ttccgaacgt acgtaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag gttccgaacg tacgtactga 480

gcgggctggc aaggc 495

<210> 276
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 276
gcctccctcg cgccatcagc gttacttcgt acgtactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag cgttacttcg tacgtactga 480

gcgggctggc aaggc 495

<210> 277
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 277
gcctccctcg cgccatcagt aggagaccgt acgtactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag taggagaccg tacgtactga 480

gcgggctggc aaggc 495

<210> 278
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 278
gcctccctcg cgccatcagg acactctcgt acgtaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag gacactctcg tacgtactga 480

gcgggctggc aaggc 495

<210> 279
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 279
gcctccctcg cgccatcagt tcggaaccgt acgtaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag ttcggaaccg tacgtactga 480

gcgggctggc aaggc 495

<210> 280
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 280
gcctccctcg cgccatcaga agtaacgcgt acgtagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag aagtaacgcg tacgtactga 480

gcgggctggc aaggc 495

<210> 281
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 281
gcctccctcg cgccatcagg tctcctacgt acgtacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag gtctcctacg tacgtactga 480

gcgggctggc aaggc 495

<210> 282
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 282
gcctccctcg cgccatcagg tagacaccgt acgtagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag gtagacaccg tacgtactga 480

gcgggctggc aaggc 495

<210> 283
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 283
gcctccctcg cgccatcagc actgtaccgt acgtacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag cactgtaccg tacgtactga 480

gcgggctggc aaggc 495

<210> 284
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 284
gcctccctcg cgccatcagg atgatcccgt acgtaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag gatgatcccg tacgtactga 480

gcgggctggc aaggc 495

<210> 285
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 285
gcctccctcg cgccatcagc gccaatacgt acgtaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag cgccaatacg tacgtactga 480

gcgggctggc aaggc 495

<210> 286
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 286
gcctccctcg cgccatcagt caagcctcgt acgtaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc gtacgtatca ctgctggcac agaagtaaac 180

agaagtctga gagggagcag ctgactccag cttgaggggg aaatcctctg tgtttgatct 240

ggagacattg tagccattgg gaacttctcc tttgtcagtg agagcagcag caactgagta 300

gtaaatcagc ctcagcccct tgcctgggtc ttgtcgatac cgatacatgt attcatggtt 360

catatcctgg gcacacagca gagtcatgct ctgtcctgtc ttcaggacgt ggaattttgg 420

ggtctgagtg acaccagcat tcattggacc tgcagggaag tcaagcctcg tacgtactga 480

gcgggctggc aaggc 495

<210> 287
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 287
gcctccctcg cgccatcaga gagtgtctcg gtactctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac agagtgtctc ggtactctga 480

gcgggctggc aaggc 495

<210> 288
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 288
gcctccctcg cgccatcagg ttccgaatcg gtactatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac gttccgaatc ggtactctga 480

gcgggctggc aaggc 495

<210> 289
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 289
gcctccctcg cgccatcagc gttactttcg gtactctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac cgttactttc ggtactctga 480

gcgggctggc aaggc 495

<210> 290
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 290
gcctccctcg cgccatcagt aggagactcg gtactctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac taggagactc ggtactctga 480

gcgggctggc aaggc 495

<210> 291
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 291
gcctccctcg cgccatcagg acactcttcg gtactagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac gacactcttc ggtactctga 480

gcgggctggc aaggc 495

<210> 292
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 292

gcctccctcg cgccatcagt tcggaactcg gtactatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac ttcggaactc ggtactctga 480

gcgggctggc aaggc 495

<210> 293
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 293
gcctccctcg cgccatcaga agtaacgtcg gtactgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac aagtaacgtc ggtactctga 480

gcgggctggc aaggc 495

<210> 294
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 294
gcctccctcg cgccatcagg tctcctatcg gtactcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac gtctcctatc ggtactctga 480

gcgggctggc aaggc 495

<210> 295
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 295
gcctccctcg cgccatcagg tagacactcg gtactgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac gtagacactc ggtactctga 480

gcgggctggc aaggc 495

<210> 296
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 296
gcctccctcg cgccatcagc actgtactcg gtactcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac cactgtactc ggtactctga 480

gcgggctggc aaggc 495

<210> 297
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 297
gcctccctcg cgccatcagg atgatcctcg gtactccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac gatgatcctc ggtactctga 480

gcgggctggc aaggc 495

<210> 298
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 298
gcctccctcg cgccatcagc gccaatatcg gtactccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac cgccaatatc ggtactctga 480

gcgggctggc aaggc 495

<210> 299
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 299
gcctccctcg cgccatcagt caagccttcg gtactccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt cggtacttca ctgctggcac acaagtacac 180

agatgtctgg gagggagcag ccgacaccag cctgagtggg aaatcctctg tgtttaatct 240

agagacattg tagccattgg ggacttcttt gtcagtagta ccagcagcag ctgagtagta 300

aatcagtctc agccccatgc ctgggtcttg tcgataccag gacatgtatc catggttcat 360

atcctgggca cactgcagtg tcatgctctg tcctgtcttc aggatgtgga attttggggt 420

ctgagtgaca ccagcattca cgggacctgc agagaagaac tcaagccttc ggtactctga 480

gcgggctggc aaggc 495

<210> 300
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 300
gcctccctcg cgccatcaga gagtgtccca tggatctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag agagtgtccc atggatctga 480

gcgggctggc aaggc 495

<210> 301
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 301
gcctccctcg cgccatcagg ttccgaacca tggatatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gttccgaacc atggatctga 480

gcgggctggc aaggc 495

<210> 302
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 302
gcctccctcg cgccatcagc gttacttcca tggatctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cgttacttcc atggatctga 480

gcgggctggc aaggc 495

<210> 303
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 303
gcctccctcg cgccatcagt aggagaccca tggatctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag taggagaccc atggatctga 480

gcgggctggc aaggc 495

<210> 304
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 304
gcctccctcg cgccatcagg acactctcca tggatagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gacactctcc atggatctga 480

gcgggctggc aaggc 495

<210> 305
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 305
gcctccctcg cgccatcagt tcggaaccca tggatatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag ttcggaaccc atggatctga 480

gcgggctggc aaggc 495

<210> 306
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 306
gcctccctcg cgccatcaga agtaacgcca tggatgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag aagtaacgcc atggatctga 480

gcgggctggc aaggc 495

<210> 307
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 307
gcctccctcg cgccatcagg tctcctacca tggatcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtctcctacc atggatctga 480

gcgggctggc aaggc 495

<210> 308
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 308
gcctccctcg cgccatcagg tagacaccca tggatgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gtagacaccc atggatctga 480

gcgggctggc aaggc 495

<210> 309
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 309
gcctccctcg cgccatcagc actgtaccca tggatcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag cactgtaccc atggatctga 480

gcgggctggc aaggc 495

<210> 310
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gaagtactgg gtctcgtcga cgatgatccc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

ggtctgagtg acaccagcat tcactggacc tgcagagaag gatgatcccc atggatctga 480

gcgggctggc aaggc 495

<210> 311
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaatac catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

ggatacattg tagccatcgg ggacttctcc tttgtcagtg ataccagcag caactgagta 300

atgaatgcgc ctcagcccca tgcctgggtc ttgtcgatac caggacaagt atccatggtt 360

catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

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gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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cgaagtactg ctcgtgtcga ctcaagcctc catggattca ctgctggcac agaagtatac 180

agatgtctgg gagggagcag ctgactccag cctgagcggg aaatcctctg tgtttgatct 240

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catatcctgg gcacactgca gtgtcatgct ctgtcctgtc ttcaggatgt ggaattttgg 420

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gcgggctggc aaggc 495

<210> 313
<211> 495

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<223> /note="Description of Artificial Sequence: Synthetic
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aaagaaagct tcagtgtcga cagagtgtca ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaaa ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

<210> 315
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polynucleotide"

<400> 315

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aatatatggt gtttcgtcga ccgttactta ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

<210> 316
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agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

<210> 317
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<220>
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aatgctgggg ctgatgtcga cgacactcta ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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agaactgctc attgtgtcga caagtaacga ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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aaacagctcc ccggtgtcga cgtctcctaa ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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aaatactgcg tatctgtcga cgtagacaca ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

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acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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agtactgaat gttttgtcga ccactgtaca ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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gaagtactgg gtctcgtcga cgatgatcca ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

ctgtgcagag aaccgatcac ggggaagccc cgatttgtct gctgcatcct tgccttggaa 300

gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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tcaggacgtt ggcccgtcga ccgccaataa ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

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gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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cgaagtactg ctcgtgtcga ctcaagccta ctgctactca ctgctggcac agagatacac 180

agccaagtcc ccctgctgtg tgcgctggaa cttcagagtg gagatggatc cctcagacct 240

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gtaaattgga aactccaggc cctgccccag gctctgtcgg taccaataaa gggcattatg 360

acctgaaatt ggatcatatc tgagagctac atcctttccc ttctttgcta ccttgtgtct 420

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gcgggctggc aaggc 495

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aaagaaagct tcagtgtcga cagagtgtca cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

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ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

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ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

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gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

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ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

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polynucleotide"

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ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

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gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

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polynucleotide"

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ggaggggtga attatgtcga cttcggaaca cgaagattca ctgctggcac agagatacac 180

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gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

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gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag aagtaacgac gaagatctga 480

gcgggctggc aaggc 495

<210> 333
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 333
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag gtctcctaac gaagatctga 480

gcgggctggc aaggc 495

<210> 334
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 334
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag gtagacacac gaagatctga 480

gcgggctggc aaggc 495

<210> 335
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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agtactgaat gttttgtcga ccactgtaca cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag cactgtacac gaagatctga 480

gcgggctggc aaggc 495

<210> 336
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gaagtactgg gtctcgtcga cgatgatcca cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag gatgatccac gaagatctga 480

gcgggctggc aaggc 495

<210> 337
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaataa cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag cgccaataac gaagatctga 480

gcgggctggc aaggc 495

<210> 338
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 338

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cgaagtactg ctcgtgtcga ctcaagccta cgaagattca ctgctggcac agagatacac 180

ggccgagtcc tcctgctgtg tgcgctggat cgtcagagtg gagacggatc ccccagtcct 240

ctctgcagag aagcgatcac tgggcagccc tgatttgtct ggtgcactgt tgccttggaa 300

gtaaattaaa aactccaggc cctgccccag gctctgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atcctttccc ttctctgtga ccttgttact 420

gggggactgg gagactccag ctcctgtgtg atctgtggag tcaagcctac gaagatctga 480

gcgggctggc aaggc 495

<210> 339
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag agagtgtcac tgtggactga 480

gcgggctggc aaggc 495

<210> 340
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaaa ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag gttccgaaac tgtggactga 480

gcgggctggc aaggc 495

<210> 341
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 341
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aatatatggt gtttcgtcga ccgttactta ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag cgttacttac tgtggactga 480

gcgggctggc aaggc 495

<210> 342
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<213> Artificial Sequence

<220>
<221> source
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<400> 342
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aaacagtttt tcattgtcga ctaggagaca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag taggagacac tgtggactga 480

gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
<221> source
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aatgctgggg ctgatgtcga cgacactcta ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag gacactctac tgtggactga 480

gcgggctggc aaggc 495

<210> 344
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 344
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag ttcggaacac tgtggactga 480

gcgggctggc aaggc 495

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<213> Artificial Sequence

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polynucleotide"

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agaactgctc attgtgtcga caagtaacga ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag aagtaacgac tgtggactga 480

gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaacagctcc ccggtgtcga cgtctcctaa ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag gtctcctaac tgtggactga 480

gcgggctggc aaggc 495

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<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaatactgcg tatctgtcga cgtagacaca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag gtagacacac tgtggactga 480

gcgggctggc aaggc 495

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agtactgaat gttttgtcga ccactgtaca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag cactgtacac tgtggactga 480

gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gaagtactgg gtctcgtcga cgatgatcca ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag gatgatccac tgtggactga 480

gcgggctggc aaggc 495

<210> 350
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaataa ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

gggggtctgg gagactccag cacctgtgtg atctgcggag cgccaataac tgtggactga 480

gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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cgaagtactg ctcgtgtcga ctcaagccta ctgtggatca ctgctggcac agagatacac 180

ggctgagtcc ccccgctctg tgcgctggat cttcagagta gagacggatc cctcaggcct 240

gactgcaaag aaccgatcgt tgggcagccc tgagtcatct gccgcacccg tgccttggaa 300

gtaaattaga aactctgggc cctgccccag gctttgtcgg taccagtaaa gggcagtatg 360

acctgaaatt ggatcacacc tgagctctac atattttccc ttctctgtga ccttgttact 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

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polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtcg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

tggggactgg gagactccag cacctgtgtg atctgtggaa agagtgtcgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 353
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<213> Artificial Sequence

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polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaag gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 354
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aatatatggt gtttcgtcga ccgttacttg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 355
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aaacagtttt tcattgtcga ctaggagacg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aatgctgggg ctgatgtcga cgacactctg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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ggaggggtga attatgtcga cttcggaacg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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agaactgctc attgtgtcga caagtaacgg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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aaacagctcc ccggtgtcga cgtctcctag gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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<220>
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polynucleotide"

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aaatactgcg tatctgtcga cgtagacacg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 361

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agtactgaat gttttgtcga ccactgtacg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 362
<211> 495
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gaagtactgg gtctcgtcga cgatgatccg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 363
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<212> DNA
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

tggggactgg gagactccag cacctgtgtg atctgtggaa cgccaatagg tgtcatctga 480

gcgggctggc aaggc 495

<210> 364
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<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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cgaagtactg ctcgtgtcga ctcaagcctg gtgtcattca ctgctggcac agagatacac 180

agctgagtcc ccctgctctg tgcgctggat cttcagagtg gagacggatc tctcaggcct 240

ctctgcagag aaccgaccac tgggccgccc tgatttgtct cgttgagcat cactctggga 300

gtaagtcaga acctctgagc cctgccccag ggtctgtcgg taccaataaa gggttacatg 360

acccgaaatt gaatcacacc tgagagctac atcccgtccc ctctttgcga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 365
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtct cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaat cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 367
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aatatatggt gtttcgtcga ccgttacttt cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

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aaacagtttt tcattgtcga ctaggagact cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 369
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aatgctgggg ctgatgtcga cgacactctt cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

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gcgggctggc aaggc 495

<210> 370
<211> 495
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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ggaggggtga attatgtcga cttcggaact cgtgaagtca cttctggcac agagatacac 180

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gcgggctggc aaggc 495

<210> 371
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agaactgctc attgtgtcga caagtaacgt cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 372
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<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

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gcgggctggc aaggc 495

<210> 373
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 373
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agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

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gcgggctggc aaggc 495

<210> 374
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 374
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agtactgaat gttttgtcga ccactgtact cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 375
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 375
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gaagtactgg gtctcgtcga cgatgatcct cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

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cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 376
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaatat cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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gcgggctggc aaggc 495

<210> 377
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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cgaagtactg ctcgtgtcga ctcaagcctt cgtgaagtca cttctggcac agagatacac 180

agccgagtcg cccttgctct gtgcgctgga tcttcaggtg gagaaagatc ctcagacctc 240

tctgtggaga attgatcact gagcagccct gatttatctt gttgagtttc atcctggaag 300

gaagtcagaa actcttggcc ctgccccagg gtctgtcggt accaataaag ggttacctga 360

cccgaaattg gatcacacct gggagctaca tcctgtcccc tctgtgtgac ttcgtacctt 420

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<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 378
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aaagaaagct tcagtgtcga cagagtgtcc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa agagtgtcca ctagctctga 480

gcgggctggc aaggc 495

<210> 379
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 379
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atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gttccgaaca ctagctctga 480

gcgggctggc aaggc 495

<210> 380
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 380
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cgttacttca ctagctctga 480

gcgggctggc aaggc 495

<210> 381
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 381
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cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 382
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 382
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tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gacactctca ctagctctga 480

gcgggctggc aaggc 495

<210> 383
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 383
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa ttcggaacca ctagctctga 480

gcgggctggc aaggc 495

<210> 384
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 384

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cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa aagtaacgca ctagctctga 480

gcgggctggc aaggc 495

<210> 385
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 385
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aaacagctcc ccggtgtcga cgtctcctac actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gtctcctaca ctagctctga 480

gcgggctggc aaggc 495

<210> 386
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 386
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gtagacacca ctagctctga 480

gcgggctggc aaggc 495

<210> 387
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 387
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gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cactgtacca ctagctctga 480

gcgggctggc aaggc 495

<210> 388
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 388
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cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gatgatccca ctagctctga 480

gcgggctggc aaggc 495

<210> 389
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 389
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cgccaataca ctagctctga 480

gcgggctggc aaggc 495

<210> 390
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 390
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gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc actagcttca ctgctggcac agcgatacat 180

ggccgagtcc cgctgctctg tgcgctggat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcat tgggcagccc tgatttgtct tgttgggctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgtcgg taccaataaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa tcaagcctca ctagctctga 480

gcgggctggc aaggc 495

<210> 391
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 391
gcctccctcg cgccatcaga gagtgtcctt ggttactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 392
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 392
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gaaggtgtag ccatagtcga cgttccgaac ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gttccgaact tggttactga 480

gcgggctggc aaggc 495

<210> 393
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 393
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cgttacttct tggttactga 480

gcgggctggc aaggc 495

<210> 394
<211> 495
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 394
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aaacagtttt tcattgtcga ctaggagacc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa taggagacct tggttactga 480

gcgggctggc aaggc 495

<210> 395
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aatgctgggg ctgatgtcga cgacactctc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 396
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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ggaggggtga attatgtcga cttcggaacc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa ttcggaacct tggttactga 480

gcgggctggc aaggc 495

<210> 397
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 397
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cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa aagtaacgct tggttactga 480

gcgggctggc aaggc 495

<210> 398
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<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

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gcgggctggc aaggc 495

<210> 399
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<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 399
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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gtagacacct tggttactga 480

gcgggctggc aaggc 495

<210> 400
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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agtactgaat gttttgtcga ccactgtacc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cactgtacct tggttactga 480

gcgggctggc aaggc 495

<210> 401
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 401
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cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa gatgatccct tggttactga 480

gcgggctggc aaggc 495

<210> 402
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 402
gcctccctcg cgccatcagc gccaatactt ggttaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa cgccaatact tggttactga 480

gcgggctggc aaggc 495

<210> 403
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 403
gcctccctcg cgccatcagt caagcctctt ggttaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc ttggttatca ctgctggcac agcgatacat 180

ggctgagtcc cgctgctctg tgcgctgaat cgtcagagtg gagatggatc cctcaggcct 240

ctctgcagag aaccgatcac tgggcagccc tgatttgtct ggttgagctt cataattgaa 300

gtaagtcaga aactctgggc cctgccccag ggcctgttga taccaataaa gggttgcatg 360

actcgaaatt ggatcacacc tgagagttac atcctgtccc ctctttgtga ctttgtacct 420

gggagactgg gagactccag cacctgtgtg atctgtggaa tcaagcctct tggttactga 480

gcgggctggc aaggc 495

<210> 404
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 404
gcctccctcg cgccatcaga gagtgtcacc tcttgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa agagtgtcac ctcttgctga 480

gcgggctggc aaggc 495

<210> 405
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 405
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atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa gttccgaaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 406
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 406
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ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa cgttacttac ctcttgctga 480

gcgggctggc aaggc 495

<210> 407
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 407

gcctccctcg cgccatcagt aggagacacc tcttgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa taggagacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 408
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 408
gcctccctcg cgccatcagg acactctacc tcttgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa gacactctac ctcttgctga 480

gcgggctggc aaggc 495

<210> 409
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 409
gcctccctcg cgccatcagt tcggaacacc tcttgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa ttcggaacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 410
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 410
gcctccctcg cgccatcaga agtaacgacc tcttggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa aagtaacgac ctcttgctga 480

gcgggctggc aaggc 495

<210> 411
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 411
gcctccctcg cgccatcagg tctcctaacc tcttgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa gtctcctaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 412
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 412
gcctccctcg cgccatcagg tagacacacc tcttggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa gtagacacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 413
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 413
gcctccctcg cgccatcagc actgtacacc tcttgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa cactgtacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 414
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 414
gcctccctcg cgccatcagg atgatccacc tcttgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa gatgatccac ctcttgctga 480

gcgggctggc aaggc 495

<210> 415
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 415
gcctccctcg cgccatcagc gccaataacc tcttgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa cgccaataac ctcttgctga 480

gcgggctggc aaggc 495

<210> 416
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 416
gcctccctcg cgccatcagt caagcctacc tcttgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta cctcttgtca ctgctggcac agagatacac 180

ggcggagtcc tcctgctgtg tgcgctggat cttcagagtg gagacggatc cctcaggcct 240

ttctgcaaag aagcgatcac tgggcagccc cgatttgtct agttgagctt cattctggaa 300

ataagtcaga aactctggcc cctgccccag ggcctgttgg taccaaaaaa gggatacatg 360

acccgaaatt ggatcacacc tgagagctac atcctgtcct ctctttgcga ctttgtacct 420

aggggactgg gagactccag cacctgtgtg atctgtggaa tcaagcctac ctcttgctga 480

gcgggctggc aaggc 495

<210> 417
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 417
gcctccctcg cgccatcaga gagtgtcctg attctctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag agagtgtcct gattctctga 480

gcgggctggc aaggc 495

<210> 418
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 418
gcctccctcg cgccatcagg ttccgaactg attctatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag gttccgaact gattctctga 480

gcgggctggc aaggc 495

<210> 419
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 419
gcctccctcg cgccatcagc gttacttctg attctctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag cgttacttct gattctctga 480

gcgggctggc aaggc 495

<210> 420
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 420
gcctccctcg cgccatcagt aggagacctg attctctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag taggagacct gattctctga 480

gcgggctggc aaggc 495

<210> 421
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 421
gcctccctcg cgccatcagg acactctctg attctagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag gacactctct gattctctga 480

gcgggctggc aaggc 495

<210> 422
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 422
gcctccctcg cgccatcagt tcggaacctg attctatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag ttcggaacct gattctctga 480

gcgggctggc aaggc 495

<210> 423
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 423
gcctccctcg cgccatcaga agtaacgctg attctgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag aagtaacgct gattctctga 480

gcgggctggc aaggc 495

<210> 424
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 424
gcctccctcg cgccatcagg tctcctactg attctcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag gtctcctact gattctctga 480

gcgggctggc aaggc 495

<210> 425
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 425
gcctccctcg cgccatcagg tagacacctg attctgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag gtagacacct gattctctga 480

gcgggctggc aaggc 495

<210> 426
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 426
gcctccctcg cgccatcagc actgtacctg attctcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag cactgtacct gattctctga 480

gcgggctggc aaggc 495

<210> 427
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 427
gcctccctcg cgccatcagg atgatccctg attctccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag gatgatccct gattctctga 480

gcgggctggc aaggc 495

<210> 428
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 428
gcctccctcg cgccatcagc gccaatactg attctccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag cgccaatact gattctctga 480

gcgggctggc aaggc 495

<210> 429
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 429
gcctccctcg cgccatcagt caagcctctg attctccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc tgattcttca ctgctggcac agagatacat 180

ggccgagtcc ccctgctctg tgcgctggat ctccaaggtg gagaaagatc ccttaggcct 240

ctctgcagag aaccgatcac tgagcagcct tgatttttct agttgagctt cattctggaa 300

gtaagtcaga aactctgggc cctgccccag ggtctgtcgg taccaataaa ggcggttgtg 360

ttcagaaatt ggatcacacc tgaaagttac attctgtccc ctctttgtga tcttgtgtct 420

ggggttctgg gagactccag tatctgcgtg atctgtggag tcaagcctct gattctctga 480

gcgggctggc aaggc 495

<210> 430
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 430

gcctccctcg cgccatcaga gagtgtcggt caactctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag agagtgtcgg tcaactctga 480

gcgggctggc aaggc 495

<210> 431
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 431
gcctccctcg cgccatcagg ttccgaaggt caactatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag gttccgaagg tcaactctga 480

gcgggctggc aaggc 495

<210> 432
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 432
gcctccctcg cgccatcagc gttacttggt caactctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag cgttacttgg tcaactctga 480

gcgggctggc aaggc 495

<210> 433
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 433
gcctccctcg cgccatcagt aggagacggt caactctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag taggagacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 434
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 434
gcctccctcg cgccatcagg acactctggt caactagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag gacactctgg tcaactctga 480

gcgggctggc aaggc 495

<210> 435
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 435
gcctccctcg cgccatcagt tcggaacggt caactatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag ttcggaacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 436
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 436
gcctccctcg cgccatcaga agtaacgggt caactgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag aagtaacggg tcaactctga 480

gcgggctggc aaggc 495

<210> 437
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 437
gcctccctcg cgccatcagg tctcctaggt caactcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag gtctcctagg tcaactctga 480

gcgggctggc aaggc 495

<210> 438
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 438
gcctccctcg cgccatcagg tagacacggt caactgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag gtagacacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 439
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 439
gcctccctcg cgccatcagc actgtacggt caactcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag cactgtacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 440
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 440
gcctccctcg cgccatcagg atgatccggt caactccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag gatgatccgg tcaactctga 480

gcgggctggc aaggc 495

<210> 441
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 441
gcctccctcg cgccatcagc gccaataggt caactccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag cgccaatagg tcaactctga 480

gcgggctggc aaggc 495

<210> 442
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 442
gcctccctcg cgccatcagt caagcctggt caactccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg gtcaacttca ctgccacaga ggtacagagg 180

tctggctggt gctagtagac tccagggttg agggaaaatg cttgagtttg tttccagaga 240

cattgtaccc ttccttggca ccgcctttgg tcatgctgcc aatactacct gaataatgga 300

tcagcctcag cccctattct tggtcttatt gataacagaa cactgaataa tggttcctaa 360

tctgagcaaa tttcaggatg atctttttcc ctgtgtgtct gtgatatctt ggtatctggc 420

tgatccctgc ctccatgggg gctgtgggag aggcaggcag tcaagcctgg tcaactctga 480

gcgggctggc aaggc 495

<210> 443
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 443
gcctccctcg cgccatcaga gagtgtctac gtacgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa agagtgtcta cgtacgctga 480

gcgggctggc aaggc 495

<210> 444
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 444
gcctccctcg cgccatcagg ttccgaatac gtacgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa gttccgaata cgtacgctga 480

gcgggctggc aaggc 495

<210> 445
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 445
gcctccctcg cgccatcagc gttactttac gtacgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa cgttacttta cgtacgctga 480

gcgggctggc aaggc 495

<210> 446
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 446
gcctccctcg cgccatcagt aggagactac gtacgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa taggagacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 447
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 447
gcctccctcg cgccatcagg acactcttac gtacgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa gacactctta cgtacgctga 480

gcgggctggc aaggc 495

<210> 448
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 448
gcctccctcg cgccatcagt tcggaactac gtacgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa ttcggaacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 449
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 449
gcctccctcg cgccatcaga agtaacgtac gtacggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa aagtaacgta cgtacgctga 480

gcgggctggc aaggc 495

<210> 450
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 450
gcctccctcg cgccatcagg tctcctatac gtacgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa gtctcctata cgtacgctga 480

gcgggctggc aaggc 495

<210> 451
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 451
gcctccctcg cgccatcagg tagacactac gtacggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa gtagacacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 452
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 452
gcctccctcg cgccatcagc actgtactac gtacgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa cactgtacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 453
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 453

gcctccctcg cgccatcagg atgatcctac gtacgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa gatgatccta cgtacgctga 480

gcgggctggc aaggc 495

<210> 454
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 454
gcctccctcg cgccatcagc gccaatatac gtacgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa cgccaatata cgtacgctga 480

gcgggctggc aaggc 495

<210> 455
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 455
gcctccctcg cgccatcagt caagccttac gtacgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt acgtacgtca ctgccacagt ggtacagata 180

ggtctggctg gtgctggtgg atgccaggat tggggaaatg ctcaagcttg tttcaagaaa 240

cacagtaccc ctctgtgaca tcaactttgg tcctgctgtg accactgcct gaatagtgga 300

taagcttcag cccccgtctt gggtcctgtc gatatcagaa cactgttcct aacctgagca 360

cattccagga tcatctcttt cttctgtaca atgtgatatc ttggcatctg ggtgatccca 420

gcatcaatag agcctgctgg agaggcagac agaaagtgaa tcaagcctta cgtacgctga 480

gcgggctggc aaggc 495

<210> 456
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 456
gcctccctcg cgccatcaga gagtgtcagt accgactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga agagtgtcag taccgactga 480

gcgggctggc aaggc 495

<210> 457
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 457
gcctccctcg cgccatcagg ttccgaaagt accgaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga gttccgaaag taccgactga 480

gcgggctggc aaggc 495

<210> 458
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 458
gcctccctcg cgccatcagc gttacttagt accgactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga cgttacttag taccgactga 480

gcgggctggc aaggc 495

<210> 459
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 459
gcctccctcg cgccatcagt aggagacagt accgactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga taggagacag taccgactga 480

gcgggctggc aaggc 495

<210> 460
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 460
gcctccctcg cgccatcagg acactctagt accgaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga gacactctag taccgactga 480

gcgggctggc aaggc 495

<210> 461
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 461
gcctccctcg cgccatcagt tcggaacagt accgaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga ttcggaacag taccgactga 480

gcgggctggc aaggc 495

<210> 462
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 462
gcctccctcg cgccatcaga agtaacgagt accgagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga aagtaacgag taccgactga 480

gcgggctggc aaggc 495

<210> 463
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 463
gcctccctcg cgccatcagg tctcctaagt accgacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga gtctcctaag taccgactga 480

gcgggctggc aaggc 495

<210> 464
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 464
gcctccctcg cgccatcagg tagacacagt accgagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga gtagacacag taccgactga 480

gcgggctggc aaggc 495

<210> 465
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 465
gcctccctcg cgccatcagc actgtacagt accgacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga cactgtacag taccgactga 480

gcgggctggc aaggc 495

<210> 466
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 466
gcctccctcg cgccatcagg atgatccagt accgaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga gatgatccag taccgactga 480

gcgggctggc aaggc 495

<210> 467
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 467
gcctccctcg cgccatcagc gccaataagt accgaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga cgccaataag taccgactga 480

gcgggctggc aaggc 495

<210> 468
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 468
gcctccctcg cgccatcagt caagcctagt accgaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta gtaccgatca tgctggcaca gaaatacaaa 180

gctgagtccc ccagctccag agagctcagg tttagttcag agtgcaagtc agggaactgt 240

tgtgcggaga atcgttcaag aatgtttcct tttgctctct cttctccatt ataatactga 300

atgaggaact ggaggccctg gtccaggctc tgttggtacc agtacacaga gaggtctcca 360

gacctagggg agcatctcag cgtcactcgc tgtccagttg ctgtgatcag gtgctttggg 420

gtttgtgtga ctccagaatc cactgggcct gtgtgtcaga tcaagcctag taccgactga 480

gcgggctggc aaggc 495

<210> 469
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 469
gcctccctcg cgccatcaga gagtgtcatc catggctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag agagtgtcat ccatggctga 480

gcgggctggc aaggc 495

<210> 470
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 470
gcctccctcg cgccatcagg ttccgaaatc catggatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag gttccgaaat ccatggctga 480

gcgggctggc aaggc 495

<210> 471
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 471
gcctccctcg cgccatcagc gttacttatc catggctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag cgttacttat ccatggctga 480

gcgggctggc aaggc 495

<210> 472
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 472
gcctccctcg cgccatcagt aggagacatc catggctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag taggagacat ccatggctga 480

gcgggctggc aaggc 495

<210> 473
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 473
gcctccctcg cgccatcagg acactctatc catggagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag gacactctat ccatggctga 480

gcgggctggc aaggc 495

<210> 474
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 474
gcctccctcg cgccatcagt tcggaacatc catggatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag ttcggaacat ccatggctga 480

gcgggctggc aaggc 495

<210> 475
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 475
gcctccctcg cgccatcaga agtaacgatc catgggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag aagtaacgat ccatggctga 480

gcgggctggc aaggc 495

<210> 476
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 476

gcctccctcg cgccatcagg tctcctaatc catggcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag gtctcctaat ccatggctga 480

gcgggctggc aaggc 495

<210> 477
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 477
gcctccctcg cgccatcagg tagacacatc catgggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag gtagacacat ccatggctga 480

gcgggctggc aaggc 495

<210> 478
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 478
gcctccctcg cgccatcagc actgtacatc catggcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag cactgtacat ccatggctga 480

gcgggctggc aaggc 495

<210> 479
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 479
gcctccctcg cgccatcagg atgatccatc catggccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag gatgatccat ccatggctga 480

gcgggctggc aaggc 495

<210> 480
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 480
gcctccctcg cgccatcagc gccaataatc catggccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag cgccaataat ccatggctga 480

gcgggctggc aaggc 495

<210> 481
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 481
gcctccctcg cgccatcagt caagcctatc catggccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta tccatggtca ctgctggcgc agaaatatac 180

agatgtctgg gaggaggcag cagactccag agtgaggggg aggtcctctg tgtttgatct 240

agagacactg tagccatctg agacttctcc tttgttagtg tcttgaacac catatgagta 300

atggatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat tgttgtggtt 360

ccaagtctgg tgacacgcca aggtcacctg ccttcctgtc tctgtgatct tgtgtcttgg 420

gctctgggtg atttcagcat ccctgtgtcc tgtaatagag tcaagcctat ccatggctga 480

gcgggctggc aaggc 495

<210> 482
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 482
gcctccctcg cgccatcaga gagtgtcgta gcagtctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag agagtgtcgt agcagtctga 480

gcgggctggc aaggc 495

<210> 483
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 483
gcctccctcg cgccatcagg ttccgaagta gcagtatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag gttccgaagt agcagtctga 480

gcgggctggc aaggc 495

<210> 484
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 484
gcctccctcg cgccatcagc gttacttgta gcagtctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag cgttacttgt agcagtctga 480

gcgggctggc aaggc 495

<210> 485
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 485
gcctccctcg cgccatcagt aggagacgta gcagtctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag taggagacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 486
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 486
gcctccctcg cgccatcagg acactctgta gcagtagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag gacactctgt agcagtctga 480

gcgggctggc aaggc 495

<210> 487
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 487
gcctccctcg cgccatcagt tcggaacgta gcagtatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag ttcggaacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 488
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 488
gcctccctcg cgccatcaga agtaacggta gcagtgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag aagtaacggt agcagtctga 480

gcgggctggc aaggc 495

<210> 489
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 489
gcctccctcg cgccatcagg tctcctagta gcagtcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag gtctcctagt agcagtctga 480

gcgggctggc aaggc 495

<210> 490
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 490
gcctccctcg cgccatcagg tagacacgta gcagtgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag gtagacacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 491
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 491
gcctccctcg cgccatcagc actgtacgta gcagtcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

atagatcagc ctcagcccat gtcccaggtc ttgtcgatac cagaacatat agctgtggct 360

ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

gctctgggtg attccagcat ccctgtgtcc tgtaatagag cactgtacgt agcagtctga 480

gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gaagtactgg gtctcgtcga cgatgatccg tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

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ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

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gcgggctggc aaggc 495

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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaatag tagcagttca ctgctggcgc agaaatacac 180

agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

ggagacaaca tagccatcgg ggacttctcc tttatctgta atatcagcag ctgctgagta 300

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ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

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gcgggctggc aaggc 495

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<220>
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agatgtctgg gagcgggtag ctgactccag agtgaggggg aaattctctg tcttggatct 240

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ccaagtctgg tgacacatca aggtcacctg ccttcctgtc tctgtgatct tgtatcttgg 420

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gcgggctggc aaggc 495

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<220>
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aaagaaagct tcagtgtcga cagagtgtca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

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<220>
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gaaggtgtag ccatagtcga cgttccgaaa tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

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gcgggctggc aaggc 495

<210> 497
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<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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aatatatggt gtttcgtcga ccgttactta tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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gcgggctggc aaggc 495

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aaacagtttt tcattgtcga ctaggagaca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 499

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aatgctgggg ctgatgtcga cgacactcta tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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ggaggggtga attatgtcga cttcggaaca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

atggatcagc ctcagcccat gccccgggtc ttgtcgatac cagtacatat agcggtggtt 360

ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

<210> 501
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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agaactgctc attgtgtcga caagtaacga tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

atggatcagc ctcagcccat gccccgggtc ttgtcgatac cagtacatat agcggtggtt 360

ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

<210> 502
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aaacagctcc ccggtgtcga cgtctcctaa tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

atggatcagc ctcagcccat gccccgggtc ttgtcgatac cagtacatat agcggtggtt 360

ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

<210> 503
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 503
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aaatactgcg tatctgtcga cgtagacaca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

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<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 504
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agtactgaat gttttgtcga ccactgtaca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

atggatcagc ctcagcccat gccccgggtc ttgtcgatac cagtacatat agcggtggtt 360

ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

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<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gaagtactgg gtctcgtcga cgatgatcca tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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gcgggctggc aaggc 495

<210> 506
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

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tcaggacgtt ggcccgtcga ccgccaataa tcttcgttca ctgatggcac agaagtacac 180

agatgtctgg gagctggtag cggactccag agtgaggagg aaatcctctg tctttgatct 240

agagacacta tagccatctg agacttctcc tttgtcagta tctttaacac catatgagta 300

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gcgggctggc aaggc 495

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<213> Artificial Sequence

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<221> source
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polynucleotide"

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ctcagtctgg tgacatctca gagtcactgg tgttcctgtc tctgtgacct tgtgtcttgg 420

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gcgggctggc aaggc 495

<210> 508
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtct ccacagttca ctgctggcac agagatacat 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

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gcgggctggc aaggc 495

<210> 509
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaat ccacagttca ctgctggcac agagatacat 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

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gcgggctggc aaggc 495

<210> 510
<211> 495
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 510
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ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

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gcgggctggc aaggc 495

<210> 511
<211> 495
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 511
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aaacagtttt tcattgtcga ctaggagact ccacagttca ctgctggcac agagatacat 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

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gcgggctggc aaggc 495

<210> 512
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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aatgctgggg ctgatgtcga cgacactctt ccacagttca ctgctggcac agagatacat 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

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gcgggctggc aaggc 495

<210> 513
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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ggaggggtga attatgtcga cttcggaact ccacagttca ctgctggcac agagatacat 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcatct actacactct catcctgaaa 300

ttgaaccaga agctccgggc cctgtcccag gatctgccgg taccagtaaa gggtagcatg 360

gccagaaata ggatcacacc aaaaagccac agcctggctt ttctctgtaa tcttatatct 420

gggggactgg gcaacttcag cttctgagag ttctgttggg ttcggaactc cacagtctga 480

gcgggctggc aaggc 495

<210> 514
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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agaactgctc attgtgtcga caagtaacgt ccacagttca ctgctggcac agagatacat 180

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gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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gcgggctggc aaggc 495

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aatgctgggg ctgatgtcga cgacactctc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

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tcgaatcaga agctccgggc cctgtcccaa gttctgcagg taccagtaaa gggtattgtg 360

gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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ggaggggtga attatgtcga cttcggaacc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcgtct actgcttcct cattctcata 300

tcgaatcaga agctccgggc cctgtcccaa gttctgcagg taccagtaaa gggtattgtg 360

gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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agaactgctc attgtgtcga caagtaacgc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

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gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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aaacagctcc ccggtgtcga cgtctcctac ttcacgatca ctgctggcac agagatacac 180

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gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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aaatactgcg tatctgtcga cgtagacacc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

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gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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agtactgaat gttttgtcga ccactgtacc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

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gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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gaagtactgg gtctcgtcga cgatgatccc ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

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tcgaatcaga agctccgggc cctgtcccaa gttctgcagg taccagtaaa gggtattgtg 360

gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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gcgggctggc aaggc 495

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tcaggacgtt ggcccgtcga ccgccaatac ttcacgatca ctgctggcac agagatacac 180

ggccgagtcc ccaagctctg caggctggat cttgagagtg gagtctactc ctttgagcct 240

ctctgcagaa aatcgatcct taggcaactg tgaatcgtct actgcttcct cattctcata 300

tcgaatcaga agctccgggc cctgtcccaa gttctgcagg taccagtaaa gggtattgtg 360

gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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gcgggctggc aaggc 495

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cgaagtactg ctcgtgtcga ctcaagcctc ttcacgatca ctgctggcac agagatacac 180

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tcgaatcaga agctccgggc cctgtcccaa gttctgcagg taccagtaaa gggtattgtg 360

gccagaaata ggattgcacc aaaaagccac aggctgtttt ttctctataa tcttatatct 420

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gcgggctggc aaggc 495

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aaagaaagct tcagtgtcga cagagtgtca gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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gaaggtgtag ccatagtcga cgttccgaaa gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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aatatatggt gtttcgtcga ccgttactta gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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aaacagtttt tcattgtcga ctaggagaca gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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aatgctgggg ctgatgtcga cgacactcta gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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agaactgctc attgtgtcga caagtaacga gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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aaacagctcc ccggtgtcga cgtctcctaa gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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<220>
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gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

<210> 556
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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agtactgaat gttttgtcga ccactgtaca gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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<220>
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gaagtactgg gtctcgtcga cgatgatcca gctagtgtca ctgctggcac agaaatatag 180

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ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
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tcaggacgtt ggcccgtcga ccgccaataa gctagtgtca ctgctggcac agaaatatag 180

gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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gcccaagtcc ctgggttcca tgggctggat cctcagagtg gagaatgata catcaggcat 240

ctgtgctgag aatcaatcct tggacactcc tgagtcatct acgagggtcc agctgcagaa 300

gtaattcagc aattccagtc cctgcacaaa ggtctgtctg taccagagaa gatcattgtg 360

gcctgaaatt ggttcgcatc tcagagttac tgattgtccc atctctgtca ctttgtgcct 420

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gcgggctggc aaggc 495

<210> 560
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtct aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa agagtgtcta accaagctga 480

gcgggctggc aaggc 495

<210> 561
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 561
gcctccctcg cgccatcagg ttccgaataa ccaagatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa gttccgaata accaagctga 480

gcgggctggc aaggc 495

<210> 562
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 562
gcctccctcg cgccatcagc gttactttaa ccaagctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa cgttacttta accaagctga 480

gcgggctggc aaggc 495

<210> 563
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 563
gcctccctcg cgccatcagt aggagactaa ccaagctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa taggagacta accaagctga 480

gcgggctggc aaggc 495

<210> 564
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 564
gcctccctcg cgccatcagg acactcttaa ccaagagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa gacactctta accaagctga 480

gcgggctggc aaggc 495

<210> 565
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 565
gcctccctcg cgccatcagt tcggaactaa ccaagatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa ttcggaacta accaagctga 480

gcgggctggc aaggc 495

<210> 566
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 566
gcctccctcg cgccatcaga agtaacgtaa ccaaggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa aagtaacgta accaagctga 480

gcgggctggc aaggc 495

<210> 567
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 567
gcctccctcg cgccatcagg tctcctataa ccaagcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa gtctcctata accaagctga 480

gcgggctggc aaggc 495

<210> 568
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 568

gcctccctcg cgccatcagg tagacactaa ccaaggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa gtagacacta accaagctga 480

gcgggctggc aaggc 495

<210> 569
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 569
gcctccctcg cgccatcagc actgtactaa ccaagcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa cactgtacta accaagctga 480

gcgggctggc aaggc 495

<210> 570
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 570
gcctccctcg cgccatcagg atgatcctaa ccaagccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa gatgatccta accaagctga 480

gcgggctggc aaggc 495

<210> 571
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 571
gcctccctcg cgccatcagc gccaatataa ccaagccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa cgccaatata accaagctga 480

gcgggctggc aaggc 495

<210> 572
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 572
gcctccctcg cgccatcagt caagccttaa ccaagccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt aaccaagtca cgacttgcac agacatacac 180

ggccgagtcc ccctgctctg caggctggat cttcagagta gagaatgatc catcaggcct 240

ctcagctgag aatcgctctg tgggcatacc tgcattatct ataatagatc agctccggaa 300

gtaactcagc aattccagtc cctgcacgaa ggtatctctg taccagaaaa ggaaattgtg 360

gccaaaaatt ggctcacatc tcagagtcac tgtttgtccc atttctgtca cctcatgctt 420

gggtgactgg ataatgccag catctgtgca tgctataaaa tcaagcctta accaagctga 480

gcgggctggc aaggc 495

<210> 573
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 573
gcctccctcg cgccatcaga gagtgtccaa gaggtctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa agagtgtcca agaggtctga 480

gcgggctggc aaggc 495

<210> 574
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 574
gcctccctcg cgccatcagg ttccgaacaa gaggtatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa gttccgaaca agaggtctga 480

gcgggctggc aaggc 495

<210> 575
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 575
gcctccctcg cgccatcagc gttacttcaa gaggtctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa cgttacttca agaggtctga 480

gcgggctggc aaggc 495

<210> 576
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 576
gcctccctcg cgccatcagt aggagaccaa gaggtctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa taggagacca agaggtctga 480

gcgggctggc aaggc 495

<210> 577
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 577
gcctccctcg cgccatcagg acactctcaa gaggtagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa gacactctca agaggtctga 480

gcgggctggc aaggc 495

<210> 578
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 578
gcctccctcg cgccatcagt tcggaaccaa gaggtatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa ttcggaacca agaggtctga 480

gcgggctggc aaggc 495

<210> 579
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 579
gcctccctcg cgccatcaga agtaacgcaa gaggtgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa aagtaacgca agaggtctga 480

gcgggctggc aaggc 495

<210> 580
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 580
gcctccctcg cgccatcagg tctcctacaa gaggtcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa gtctcctaca agaggtctga 480

gcgggctggc aaggc 495

<210> 581
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 581
gcctccctcg cgccatcagg tagacaccaa gaggtgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa gtagacacca agaggtctga 480

gcgggctggc aaggc 495

<210> 582
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 582
gcctccctcg cgccatcagc actgtaccaa gaggtcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa cactgtacca agaggtctga 480

gcgggctggc aaggc 495

<210> 583
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 583
gcctccctcg cgccatcagg atgatcccaa gaggtccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa gatgatccca agaggtctga 480

gcgggctggc aaggc 495

<210> 584
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 584
gcctccctcg cgccatcagc gccaatacaa gaggtccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa cgccaataca agaggtctga 480

gcgggctggc aaggc 495

<210> 585
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 585
gcctccctcg cgccatcagt caagcctcaa gaggtccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc aagaggttca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa gggagttgtg 360

gcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcatggcg 420

gggtgactgg ataactccag catctgtatg ctctatgaaa tcaagcctca agaggtctga 480

gcgggctggc aaggc 495

<210> 586
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 586
gcctccctcg cgccatcaga gagtgtcaga atcagctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag agagtgtcag aatcagctga 480

gcgggctggc aaggc 495

<210> 587
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 587
gcctccctcg cgccatcagg ttccgaaaga atcagatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag gttccgaaag aatcagctga 480

gcgggctggc aaggc 495

<210> 588
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 588
gcctccctcg cgccatcagc gttacttaga atcagctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag cgttacttag aatcagctga 480

gcgggctggc aaggc 495

<210> 589
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 589
gcctccctcg cgccatcagt aggagacaga atcagctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag taggagacag aatcagctga 480

gcgggctggc aaggc 495

<210> 590
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 590
gcctccctcg cgccatcagg acactctaga atcagagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag gacactctag aatcagctga 480

gcgggctggc aaggc 495

<210> 591
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 591

gcctccctcg cgccatcagt tcggaacaga atcagatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag ttcggaacag aatcagctga 480

gcgggctggc aaggc 495

<210> 592
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 592
gcctccctcg cgccatcaga agtaacgaga atcaggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag aagtaacgag aatcagctga 480

gcgggctggc aaggc 495

<210> 593
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 593
gcctccctcg cgccatcagg tctcctaaga atcagcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag gtctcctaag aatcagctga 480

gcgggctggc aaggc 495

<210> 594
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 594
gcctccctcg cgccatcagg tagacacaga atcaggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag gtagacacag aatcagctga 480

gcgggctggc aaggc 495

<210> 595
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 595
gcctccctcg cgccatcagc actgtacaga atcagcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag cactgtacag aatcagctga 480

gcgggctggc aaggc 495

<210> 596
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 596
gcctccctcg cgccatcagg atgatccaga atcagccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag gatgatccag aatcagctga 480

gcgggctggc aaggc 495

<210> 597
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 597
gcctccctcg cgccatcagc gccaataaga atcagccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag cgccaataag aatcagctga 480

gcgggctggc aaggc 495

<210> 598
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 598
gcctccctcg cgccatcagt caagcctaga atcagccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta gaatcagtca ctgctggcac agaagtacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gagaatgatg cattaggcat 240

cttagctgag aatcgatcct cgggcatccc tgaatcatct atcggaacgt tgttgttaaa 300

gtaaatgagc aactccagtc cccgcatcat ggtctgtctg taccagaaaa ggtagtcgtg 360

tcctgaaatt ggtttacatc tcagagtcac ttcttgtccc atctctgtca cctcgtgccg 420

gggtgactgg ataactccag catctgtgtg ctctatgaag tcaagcctag aatcagctga 480

gcgggctggc aaggc 495

<210> 599
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 599
gcctccctcg cgccatcaga gagtgtcagt tgaccctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa agagtgtcag ttgaccctga 480

gcgggctggc aaggc 495

<210> 600
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 600
gcctccctcg cgccatcagg ttccgaaagt tgaccatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa gttccgaaag ttgaccctga 480

gcgggctggc aaggc 495

<210> 601
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 601
gcctccctcg cgccatcagc gttacttagt tgaccctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa cgttacttag ttgaccctga 480

gcgggctggc aaggc 495

<210> 602
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 602
gcctccctcg cgccatcagt aggagacagt tgaccctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa taggagacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 603
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 603
gcctccctcg cgccatcagg acactctagt tgaccagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa gacactctag ttgaccctga 480

gcgggctggc aaggc 495

<210> 604
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 604
gcctccctcg cgccatcagt tcggaacagt tgaccatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa ttcggaacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 605
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 605
gcctccctcg cgccatcaga agtaacgagt tgaccgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

tggtgtctgg gtgactctag catctataag ctctgtgaaa aagtaacgag ttgaccctga 480

gcgggctggc aaggc 495

<210> 606
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 606
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aaacagctcc ccggtgtcga cgtctcctaa gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 607
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<220>
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polynucleotide"

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aaatactgcg tatctgtcga cgtagacaca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 608
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<213> Artificial Sequence

<220>
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agtactgaat gttttgtcga ccactgtaca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 609
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gaagtactgg gtctcgtcga cgatgatcca gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 610
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<220>
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 611
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cgaagtactg ctcgtgtcga ctcaagccta gttgacctca ccactagcac aaaaatacac 180

agctgagtcc ctgggttctg agggctggat cttcagagtg gctaaagttg catcaggcat 240

ctctgctgag aatcgatcct tcggcatccc cgaatcatct agaggagccc ggttgcggaa 300

gtaagccagc aactccagtc cttgcatcat ggtctgtctg taccagaaaa cagtattgtg 360

gcctaaaatt ggctgacatc tcattgttac ttcttgtccc atctctgtca ccttgtgcct 420

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gcgggctggc aaggc 495

<210> 612
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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aaagaaagct tcagtgtcga cagagtgtca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

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<213> Artificial Sequence

<220>
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polynucleotide"

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gaaggtgtag ccatagtcga cgttccgaaa gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 614
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<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 614

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aatatatggt gtttcgtcga ccgttactta gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

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<220>
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aaacagtttt tcattgtcga ctaggagaca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 616
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<220>
<221> source
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aatgctgggg ctgatgtcga cgacactcta gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 617
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 617
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cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 618
<211> 495
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 618
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agaactgctc attgtgtcga caagtaacga gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

ggactggatg actccagcag ccactgaaac tgtggaggaa aagtaacgag ttatgcctga 480

gcgggctggc aaggc 495

<210> 619
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 619
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gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 620
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 621
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 621
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gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 622
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 622
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cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 623
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
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polynucleotide"

<400> 623
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cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 624
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 624
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gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta gttatgctca ctgctggcac agaagtacag 180

ggctgagtcc cccagctcca aggagctcat gttcagttca gaatgatagt cactgaactg 240

ttgagctgag aatcgatcag ggatgcttcc tttatcgctc tgcatctttt cataaaacga 300

aatgaggaac tgggggtcct gacctggacc ctgctggtac cagtagacag tgtcgtgtct 360

agggatagga tagcatttca gagtggctgt ttccctcttt tctttgatca gatgtcttgg 420

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gcgggctggc aaggc 495

<210> 625
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 625
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ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga agagtgtcca gcatatctga 480

gcgggctggc aaggc 495

<210> 626
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 626
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gaaggtgtag ccatagtcga cgttccgaac agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

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gcgggctggc aaggc 495

<210> 627
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 627
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aatatatggt gtttcgtcga ccgttacttc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga cgttacttca gcatatctga 480

gcgggctggc aaggc 495

<210> 628
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 628
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aaacagtttt tcattgtcga ctaggagacc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga taggagacca gcatatctga 480

gcgggctggc aaggc 495

<210> 629
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 629
gcctccctcg cgccatcagg acactctcag catatagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga gacactctca gcatatctga 480

gcgggctggc aaggc 495

<210> 630
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 630
gcctccctcg cgccatcagt tcggaaccag catatatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga ttcggaacca gcatatctga 480

gcgggctggc aaggc 495

<210> 631
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 631
gcctccctcg cgccatcaga agtaacgcag catatgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga aagtaacgca gcatatctga 480

gcgggctggc aaggc 495

<210> 632
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 632
gcctccctcg cgccatcagg tctcctacag catatcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga gtctcctaca gcatatctga 480

gcgggctggc aaggc 495

<210> 633
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 633
gcctccctcg cgccatcagg tagacaccag catatgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga gtagacacca gcatatctga 480

gcgggctggc aaggc 495

<210> 634
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 634
gcctccctcg cgccatcagc actgtaccag catatcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga cactgtacca gcatatctga 480

gcgggctggc aaggc 495

<210> 635
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 635
gcctccctcg cgccatcagg atgatcccag catatccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga gatgatccca gcatatctga 480

gcgggctggc aaggc 495

<210> 636
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 636
gcctccctcg cgccatcagc gccaatacag catatccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga cgccaataca gcatatctga 480

gcgggctggc aaggc 495

<210> 637
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 637

gcctccctcg cgccatcagt caagcctcag catatccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc agcatattca ctgctggcac agaaataaac 180

tccagaatcc tccagttctg caggctgcac cttcagagta gaatacgtcc ctccagtcct 240

ttcagctaag aatcgattgt tgggcatacc ggactcatcc tgtttagact ctttcacaaa 300

atgtaacaga aattttattt cttttcccat aacacgtcga taccaataaa gattatcatg 360

tccagaaatt gggtcacatc tcagagtcac agtctggccc ttctctatta cgctgtggct 420

ggggaactga gtaactccag cttctatgtg ctctgtggga tcaagcctca gcatatctga 480

gcgggctggc aaggc 495

<210> 638
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 638
gcctccctcg cgccatcaga gagtgtcgca ggattctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa agagtgtcgc aggattctga 480

gcgggctggc aaggc 495

<210> 639
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 639
gcctccctcg cgccatcagg ttccgaagca ggattatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa gttccgaagc aggattctga 480

gcgggctggc aaggc 495

<210> 640
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 640
gcctccctcg cgccatcagc gttacttgca ggattctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa cgttacttgc aggattctga 480

gcgggctggc aaggc 495

<210> 641
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 641
gcctccctcg cgccatcagt aggagacgca ggattctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa taggagacgc aggattctga 480

gcgggctggc aaggc 495

<210> 642
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 642
gcctccctcg cgccatcagg acactctgca ggattagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa gacactctgc aggattctga 480

gcgggctggc aaggc 495

<210> 643
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 643
gcctccctcg cgccatcagt tcggaacgca ggattatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa ttcggaacgc aggattctga 480

gcgggctggc aaggc 495

<210> 644
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 644
gcctccctcg cgccatcaga agtaacggca ggattgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa aagtaacggc aggattctga 480

gcgggctggc aaggc 495

<210> 645
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 645
gcctccctcg cgccatcagg tctcctagca ggattcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa gtctcctagc aggattctga 480

gcgggctggc aaggc 495

<210> 646
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 646
gcctccctcg cgccatcagg tagacacgca ggattgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa gtagacacgc aggattctga 480

gcgggctggc aaggc 495

<210> 647
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 647
gcctccctcg cgccatcagc actgtacgca ggattcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa cactgtacgc aggattctga 480

gcgggctggc aaggc 495

<210> 648
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 648
gcctccctcg cgccatcagg atgatccgca ggattccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa gatgatccgc aggattctga 480

gcgggctggc aaggc 495

<210> 649
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 649
gcctccctcg cgccatcagc gccaatagca ggattccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa cgccaatagc aggattctga 480

gcgggctggc aaggc 495

<210> 650
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 650
gcctccctcg cgccatcagt caagcctgca ggattccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg caggatttca ctggtggcac acaggtacat 180

ggctgtgtcc cccaggcctg gtgagcggat gtcaagaaag cagaaagaag tgttcggcct 240

cctggattgg aagttatcag gggtgtctgc ttcattgtta aaatctttgt catagtagtg 300

gaacagcagc tttggggcct gacttgactt ctgctggtac cagtacatga cgttatggtt 360

caaagtctga gaacaactca gggtcactgg ctttccaaac tgggtaacct ggtatcttgg 420

gttctggatg accatggcat ccccatgacc tgtagagaaa tcaagcctgc aggattctga 480

gcgggctggc aaggc 495

<210> 651
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 651
gcctccctcg cgccatcaga gagtgtcagg tctcactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag agagtgtcag gtctcactga 480

gcgggctggc aaggc 495

<210> 652
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 652
gcctccctcg cgccatcagg ttccgaaagg tctcaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag gttccgaaag gtctcactga 480

gcgggctggc aaggc 495

<210> 653
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 653
gcctccctcg cgccatcagc gttacttagg tctcactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag cgttacttag gtctcactga 480

gcgggctggc aaggc 495

<210> 654
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 654
gcctccctcg cgccatcagt aggagacagg tctcactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag taggagacag gtctcactga 480

gcgggctggc aaggc 495

<210> 655
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 655
gcctccctcg cgccatcagg acactctagg tctcaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag gacactctag gtctcactga 480

gcgggctggc aaggc 495

<210> 656
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 656
gcctccctcg cgccatcagt tcggaacagg tctcaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag ttcggaacag gtctcactga 480

gcgggctggc aaggc 495

<210> 657
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 657
gcctccctcg cgccatcaga agtaacgagg tctcagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag aagtaacgag gtctcactga 480

gcgggctggc aaggc 495

<210> 658
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 658
gcctccctcg cgccatcagg tctcctaagg tctcacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag gtctcctaag gtctcactga 480

gcgggctggc aaggc 495

<210> 659
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 659
gcctccctcg cgccatcagg tagacacagg tctcagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag gtagacacag gtctcactga 480

gcgggctggc aaggc 495

<210> 660
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 660

gcctccctcg cgccatcagc actgtacagg tctcacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag cactgtacag gtctcactga 480

gcgggctggc aaggc 495

<210> 661
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 661
gcctccctcg cgccatcagg atgatccagg tctcaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag gatgatccag gtctcactga 480

gcgggctggc aaggc 495

<210> 662
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 662
gcctccctcg cgccatcagc gccaataagg tctcaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag cgccaataag gtctcactga 480

gcgggctggc aaggc 495

<210> 663
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 663
gcctccctcg cgccatcagt caagcctagg tctcaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta ggtctcatca ctgctggcac aaaaatacac 180

tgctgaatcc tcaagcttcg tagcctggat ctcaaggcta cagggtgaat ttgggaggca 240

cttagctgaa aatctttcct tgggcatacc tgtttcatca aagacatttt cattctggaa 300

ggaaatcaag aacttgaact cgtttttcag gacctgttgg taccaaaaaa cataactgtg 360

tccttttatt ggggcacaat ataattttgc tttctgtcct tcccctctga caagatgttt 420

tggagtctgg gcgacttctt caccaggaga acctgtaaag tcaagcctag gtctcactga 480

gcgggctggc aaggc 495

<210> 664
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 664
gcctccctcg cgccatcaga gagtgtcgtc cattcctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa agagtgtcgt ccattcctga 480

gcgggctggc aaggc 495

<210> 665
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 665
gcctccctcg cgccatcagg ttccgaagtc cattcatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa gttccgaagt ccattcctga 480

gcgggctggc aaggc 495

<210> 666
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 666
gcctccctcg cgccatcagc gttacttgtc cattcctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa cgttacttgt ccattcctga 480

gcgggctggc aaggc 495

<210> 667
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 667
gcctccctcg cgccatcagt aggagacgtc cattcctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa taggagacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 668
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 668
gcctccctcg cgccatcagg acactctgtc cattcagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa gacactctgt ccattcctga 480

gcgggctggc aaggc 495

<210> 669
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 669
gcctccctcg cgccatcagt tcggaacgtc cattcatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa ttcggaacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 670
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 670
gcctccctcg cgccatcaga agtaacggtc cattcgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa aagtaacggt ccattcctga 480

gcgggctggc aaggc 495

<210> 671
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 671
gcctccctcg cgccatcagg tctcctagtc cattccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa gtctcctagt ccattcctga 480

gcgggctggc aaggc 495

<210> 672
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 672
gcctccctcg cgccatcagg tagacacgtc cattcgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa gtagacacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 673
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 673
gcctccctcg cgccatcagc actgtacgtc cattccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa cactgtacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 674
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 674
gcctccctcg cgccatcagg atgatccgtc attcccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa gatgatccgt ccattcctga 480

gcgggctggc aaggc 495

<210> 675
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 675
gcctccctcg cgccatcagc gccaatagtc cattcccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa cgccaatagt ccattcctga 480

gcgggctggc aaggc 495

<210> 676
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 676
gcctccctcg cgccatcagt caagcctgtc cattcccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg tccattctca ctactgtaga gatacacggc 180

tgagtccctc ggctctgcgg gatggatctt cagcgtggaa gacgttccgt taggtctttc 240

agctgtgaat cgttccttgg gcatccctga atcaactgca atgttttggt actggaagga 300

aatcagcaac ttcatttctt gcctcagatt ctgtcggtac cagtgaacaa acatgtgacc 360

agaagatgga tcgcacctca gaatcacctc ctgtcccatg ttggtgacct tgtgtctggg 420

ggtctggctg actccaggct ccgagtgtcc tgtggaagaa tcaagcctgt ccattcctga 480

gcgggctggc aaggc 495

<210> 677
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 677
gcctccctcg cgccatcaga gagtgtcgca taactctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg agagtgtcgc ataactctga 480

gcgggctggc aaggc 495

<210> 678
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 678
gcctccctcg cgccatcagg ttccgaagca taactatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg gttccgaagc ataactctga 480

gcgggctggc aaggc 495

<210> 679
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 679
gcctccctcg cgccatcagc gttacttgca taactctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg cgttacttgc ataactctga 480

gcgggctggc aaggc 495

<210> 680
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 680
gcctccctcg cgccatcagt aggagacgca taactctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg taggagacgc ataactctga 480

gcgggctggc aaggc 495

<210> 681
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 681
gcctccctcg cgccatcagg acactctgca taactagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg gacactctgc ataactctga 480

gcgggctggc aaggc 495

<210> 682
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 682
gcctccctcg cgccatcagt tcggaacgca taactatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg ttcggaacgc ataactctga 480

gcgggctggc aaggc 495

<210> 683
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 683

gcctccctcg cgccatcaga agtaacggca taactgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg aagtaacggc ataactctga 480

gcgggctggc aaggc 495

<210> 684
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 684
gcctccctcg cgccatcagg tctcctagca taactcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg gtctcctagc ataactctga 480

gcgggctggc aaggc 495

<210> 685
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 685
gcctccctcg cgccatcagg tagacacgca taactgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg gtagacacgc ataactctga 480

gcgggctggc aaggc 495

<210> 686
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 686
gcctccctcg cgccatcagc actgtacgca taactcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg cactgtacgc ataactctga 480

gcgggctggc aaggc 495

<210> 687
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 687
gcctccctcg cgccatcagg atgatccgca taactccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg gatgatccgc ataactctga 480

gcgggctggc aaggc 495

<210> 688
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 688
gcctccctcg cgccatcagc gccaatagca taactccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg cgccaatagc ataactctga 480

gcgggctggc aaggc 495

<210> 689
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 689
gcctccctcg cgccatcagt caagcctgca taactccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg cataacttca gagctggcac agaaataagc 180

tgccgaatct cctcgcacta cctgctggat cctcaggatg ctggggccct ctttgggaaa 240

ttcagcagaa aatcgttcct ttggcattcc tgactcatct atgatatttt ctttctggag 300

ataaaccatg aatttcagac cttcctctgg gagctgccga taccagtaaa catgactgtg 360

tcctttcatt gggctgcatc tcagtcttgc ctcctgtccc ctcctcctga ccaggtgtct 420

tgggttctgc atgacgccgg catttgagag acctcagagg tcaagcctgc ataactctga 480

gcgggctggc aaggc 495

<210> 690
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 690
gcctccctcg cgccatcaga gagtgtcata tgctgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa agagtgtcat atgctgctga 480

gcgggctggc aaggc 495

<210> 691
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 691
gcctccctcg cgccatcagg ttccgaaata tgctgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa gttccgaaat atgctgctga 480

gcgggctggc aaggc 495

<210> 692
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 692
gcctccctcg cgccatcagc gttacttata tgctgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa cgttacttat atgctgctga 480

gcgggctggc aaggc 495

<210> 693
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 693
gcctccctcg cgccatcagt aggagacata tgctgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa taggagacat atgctgctga 480

gcgggctggc aaggc 495

<210> 694
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 694
gcctccctcg cgccatcagg acactctata tgctgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa gacactctat atgctgctga 480

gcgggctggc aaggc 495

<210> 695
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 695
gcctccctcg cgccatcagt tcggaacata tgctgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa ttcggaacat atgctgctga 480

gcgggctggc aaggc 495

<210> 696
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 696
gcctccctcg cgccatcaga agtaacgata tgctggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa aagtaacgat atgctgctga 480

gcgggctggc aaggc 495

<210> 697
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 697
gcctccctcg cgccatcagg tctcctaata tgctgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg taccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa gtctcctaat atgctgctga 480

gcgggctggc aaggc 495

<210> 698
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 698
gcctccctcg cgccatcagg tagacacata tgctggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg taccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa gtagacacat atgctgctga 480

gcgggctggc aaggc 495

<210> 699
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 699
gcctccctcg cgccatcagc actgtacata tgctgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa cactgtacat atgctgctga 480

gcgggctggc aaggc 495

<210> 700
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 700
gcctccctcg cgccatcagg atgatccata tgctgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa gatgatccat atgctgctga 480

gcgggctggc aaggc 495

<210> 701
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 701
gcctccctcg cgccatcagc gccaataata tgctgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa cgccaataat atgctgctga 480

gcgggctggc aaggc 495

<210> 702
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 702
gcctccctcg cgccatcagt caagcctata tgctgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta tatgctgtca ctactggcac agagatagaa 180

agctgtcggg ttcttttggg ccgatgtcac agtgagagga aaggattcct tcttctcccg 240

agagacgctg tacccttcag ctatatctcc tttctgaaag tcatttacta tctgtgagta 300

gtagatcaat ctcagccctt gccctgggtc ctgtcggtac cagtacatgg catcgtggtt 360

caaattctgt tcacaactca gggtcacatt ctgtccttcc tttctgaaca ggtactttgg 420

ggactgagtg attccaccat ccacggtgtc tggaaaagaa tcaagcctat atgctgctga 480

gcgggctggc aaggc 495

<210> 703
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 703
gcctccctcg cgccatcaga gagtgtcaat cctgcctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct agagtgtcaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 704
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 704
gcctccctcg cgccatcagg ttccgaaaat cctgcatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct gttccgaaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 705
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 705
gcctccctcg cgccatcagc gttacttaat cctgcctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct cgttacttaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 706
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 706

gcctccctcg cgccatcagt aggagacaat cctgcctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct taggagacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 707
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 707
gcctccctcg cgccatcagg acactctaat cctgcagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct gacactctaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 708
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 708
gcctccctcg cgccatcagt tcggaacaat cctgcatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct ttcggaacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 709
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 709
gcctccctcg cgccatcaga agtaacgaat cctgcgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct aagtaacgaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 710
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 710
gcctccctcg cgccatcagg tctcctaaat cctgccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct gtctcctaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 711
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 711
gcctccctcg cgccatcagg tagacacaat cctgcgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct gtagacacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 712
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 712
gcctccctcg cgccatcagc actgtacaat cctgccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct cactgtacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 713
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 713
gcctccctcg cgccatcagg atgatccaat cctgcccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct gatgatccaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 714
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 714
gcctccctcg cgccatcagc gccaataaat cctgcccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct cgccaataaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 715
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 715
gcctccctcg cgccatcagt caagcctaat cctgcccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta atcctgctca gcactgcaga tgtagaagct 180

gctgtcttca ggatgggcac tggtcactgt cagagtggac aaggtcaggc ttgcatggtt 240

gatgagaaac ttgtccttct cgacgccttg ctcgtatgtg gccttggagc cctcattgga 300

agttgccatc agcatgagac tctgtttcgg gaactgacga taccaaaaca tagttgtggc 360

ctgaaagtcc agggaacggc actcgatctt cacagaggtt ccactcttac agataaccca 420

gctcggatgt tgagagacga cagcaccaag cccggagcct tcaagcctaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 716
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 716
gcctccctcg cgccatcaga gagtgtctga gacctctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag agagtgtctg agacctctga 480

gcgggctggc aaggc 495

<210> 717
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 717
gcctccctcg cgccatcagg ttccgaatga gacctatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag gttccgaatg agacctctga 480

gcgggctggc aaggc 495

<210> 718
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 718
gcctccctcg cgccatcagc gttactttga gacctctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag cgttactttg agacctctga 480

gcgggctggc aaggc 495

<210> 719
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 719
gcctccctcg cgccatcagt aggagactga gacctctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag taggagactg agacctctga 480

gcgggctggc aaggc 495

<210> 720
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 720
gcctccctcg cgccatcagg acactcttga gacctagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag gacactcttg agacctctga 480

gcgggctggc aaggc 495

<210> 721
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 721
gcctccctcg cgccatcagt tcggaactga gacctatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag ttcggaactg agacctctga 480

gcgggctggc aaggc 495

<210> 722
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 722
gcctccctcg cgccatcaga agtaacgtga gacctgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag aagtaacgtg agacctctga 480

gcgggctggc aaggc 495

<210> 723
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 723
gcctccctcg cgccatcagg tctcctatga gacctcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag gtctcctatg agacctctga 480

gcgggctggc aaggc 495

<210> 724
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 724
gcctccctcg cgccatcagg tagacactga gacctgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag gtagacactg agacctctga 480

gcgggctggc aaggc 495

<210> 725
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 725
gcctccctcg cgccatcagc actgtactga gacctcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag cactgtactg agacctctga 480

gcgggctggc aaggc 495

<210> 726
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 726
gcctccctcg cgccatcagg atgatcctga gacctccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag gatgatcctg agacctctga 480

gcgggctggc aaggc 495

<210> 727
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 727
gcctccctcg cgccatcagc gccaatatga gacctccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag cgccaatatg agacctctga 480

gcgggctggc aaggc 495

<210> 728
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 728
gcctccctcg cgccatcagt caagccttga gacctccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt gagaccttca ctgctggcac agaaatacag 180

tgctgtgtcc cctgactccg tggactggat ctccaaggta caggatgagt ttttggagca 240

ttgggctaaa aatcgctcat tgattatttc tgctttctga ataagttctt cattctgaaa 300

gtaaaccaaa aacttgagct cttcttccag cttcttacga taccagtaaa cataactatg 360

tgcttttata ggaacacaat ccatctttgc tttctgttca cttgctttga ccagaagtct 420

aggtctctgg gtgaccttgg tgtccgtgga gcctgtggag tcaagccttg agacctctga 480

gcgggctggc aaggc 495

<210> 729
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 729

gcctccctcg cgccatcaga gagtgtcgaa tggacctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa agagtgtcga atggacctga 480

gcgggctggc aaggc 495

<210> 730
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 730
gcctccctcg cgccatcagg ttccgaagaa tggacatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa gttccgaaga atggacctga 480

gcgggctggc aaggc 495

<210> 731
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 731
gcctccctcg cgccatcagc gttacttgaa tggacctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa cgttacttga atggacctga 480

gcgggctggc aaggc 495

<210> 732
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 732
gcctccctcg cgccatcagt aggagacgaa tggacctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa taggagacga atggacctga 480

gcgggctggc aaggc 495

<210> 733
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 733
gcctccctcg cgccatcagg acactctgaa tggacagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa gacactctga atggacctga 480

gcgggctggc aaggc 495

<210> 734
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 734
gcctccctcg cgccatcagt tcggaacgaa tggacatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa ttcggaacga atggacctga 480

gcgggctggc aaggc 495

<210> 735
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 735
gcctccctcg cgccatcaga agtaacggaa tggacgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa aagtaacgga atggacctga 480

gcgggctggc aaggc 495

<210> 736
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 736
gcctccctcg cgccatcagg tctcctagaa tggaccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa gtctcctaga atggacctga 480

gcgggctggc aaggc 495

<210> 737
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 737
gcctccctcg cgccatcagg tagacacgaa tggacgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa gtagacacga atggacctga 480

gcgggctggc aaggc 495

<210> 738
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 738
gcctccctcg cgccatcagc actgtacgaa tggaccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa cactgtacga atggacctga 480

gcgggctggc aaggc 495

<210> 739
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 739
gcctccctcg cgccatcagg atgatccgaa tggacccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa gatgatccga atggacctga 480

gcgggctggc aaggc 495

<210> 740
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 740
gcctccctcg cgccatcagc gccaatagaa tggacccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa cgccaataga atggacctga 480

gcgggctggc aaggc 495

<210> 741
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 741
gcctccctcg cgccatcagt caagcctgaa tggacccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg aatggactca tcccaggaca gaagtacaaa 180

gctgtttggc tggtgtgggc caacttcacc ctgagaagaa atagcccctt ctcctcttgg 240

cagacacgta gccttcagtt agatctcctc tctgaatatc cttttcaacc cttgagtaat 300

agatcagtct cagattttgc tttgggtcct gccagtacca gtagcagtac atgtcattgt 360

gtctcaaatt ccgtttccac tccagagtca catcccatcc agccccagtg agctggaatg 420

gcatctgata gatgtcagca tccaagggtc caagagacaa tcaagcctga atggacctga 480

gcgggctggc aaggc 495

<210> 742
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 742
gcctccctcg cgccatcaga gagtgtcgtc atagtctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga agagtgtcgt catagtctga 480

gcgggctggc aaggc 495

<210> 743
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 743
gcctccctcg cgccatcagg ttccgaagtc atagtatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga gttccgaagt catagtctga 480

gcgggctggc aaggc 495

<210> 744
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 744
gcctccctcg cgccatcagc gttacttgtc atagtctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga cgttacttgt catagtctga 480

gcgggctggc aaggc 495

<210> 745
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 745
gcctccctcg cgccatcagt aggagacgtc atagtctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga taggagacgt catagtctga 480

gcgggctggc aaggc 495

<210> 746
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 746
gcctccctcg cgccatcagg acactctgtc atagtagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga gacactctgt catagtctga 480

gcgggctggc aaggc 495

<210> 747
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 747
gcctccctcg cgccatcagt tcggaacgtc atagtatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga ttcggaacgt catagtctga 480

gcgggctggc aaggc 495

<210> 748
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 748
gcctccctcg cgccatcaga agtaacggtc atagtgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga aagtaacggt catagtctga 480

gcgggctggc aaggc 495

<210> 749
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 749
gcctccctcg cgccatcagg tctcctagtc atagtcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga gtctcctagt catagtctga 480

gcgggctggc aaggc 495

<210> 750
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 750
gcctccctcg cgccatcagg tagacacgtc atagtgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga gtagacacgt catagtctga 480

gcgggctggc aaggc 495

<210> 751
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 751
gcctccctcg cgccatcagc actgtacgtc atagtcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga cactgtacgt catagtctga 480

gcgggctggc aaggc 495

<210> 752
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 752

gcctccctcg cgccatcagg atgatccgtc atagtccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga gatgatccgt catagtctga 480

gcgggctggc aaggc 495

<210> 753
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 753
gcctccctcg cgccatcagc gccaatagtc atagtccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga cgccaatagt catagtctga 480

gcgggctggc aaggc 495

<210> 754
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 754
gcctccctcg cgccatcagt caagcctgtc atagtccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg tcatagttca ctgctggcgc agagatacag 180

tgccgtgtct cccggttctg aggacaggat tgccaggctg cagggtgcgt tcttggggca 240

ttgagatgag aatcgcttct tgtgcatctc cgtttcttga agaacttgtt cattctgaaa 300

ggaaatcaaa agcataaact ctttattctg attctgttga taccaataaa caaaagtatg 360

tccttttttcg ggggtacaat ccatctttgt tttctgtcct tttcctttga ccaaatgtcc 420

tggagtctgt gtgactttgg catgaaaaga gtctgtaaga tcaagcctgt catagtctga 480

gcgggctggc aaggc 495

<210> 755
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 755
gcctccctcg cgccatcaga gagtgtccac atggactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat agagtgtcca catggactga 480

gcgggctggc aaggc 495

<210> 756
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 756
gcctccctcg cgccatcagg ttccgaacac atggaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat gttccgaaca catggactga 480

gcgggctggc aaggc 495

<210> 757
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 757
gcctccctcg cgccatcagc gttacttcac atggactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat cgttacttca catggactga 480

gcgggctggc aaggc 495

<210> 758
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 758
gcctccctcg cgccatcagt aggagaccac atggactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat taggagacca catggactga 480

gcgggctggc aaggc 495

<210> 759
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 759
gcctccctcg cgccatcagg acactctcac atggaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat gacactctca catggactga 480

gcgggctggc aaggc 495

<210> 760
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 760
gcctccctcg cgccatcagt tcggaaccac atggaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat ttcggaacca catggactga 480

gcgggctggc aaggc 495

<210> 761
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 761
gcctccctcg cgccatcaga agtaacgcac atggagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat aagtaacgca catggactga 480

gcgggctggc aaggc 495

<210> 762
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 762
gcctccctcg cgccatcagg tctcctacac atggacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat gtctcctaca catggactga 480

gcgggctggc aaggc 495

<210> 763
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 763
gcctccctcg cgccatcagg tagacaccac atggagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat gtagacacca catggactga 480

gcgggctggc aaggc 495

<210> 764
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 764
gcctccctcg cgccatcagc actgtaccac atggacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat cactgtacca catggactga 480

gcgggctggc aaggc 495

<210> 765
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 765
gcctccctcg cgccatcagg atgatcccac atggaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat gatgatccca catggactga 480

gcgggctggc aaggc 495

<210> 766
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 766
gcctccctcg cgccatcagc gccaatacac atggaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat cgccaataca catggactga 480

gcgggctggc aaggc 495

<210> 767
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 767
gcctccctcg cgccatcagt caagcctcac atggaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc acatggatca actggtggca cagaagtaaa 180

gagctgtctg gttggggatg gcagactcta gggacaggga gaatttagcc tgtgcctgtc 240

gagagacact gtatccatca gagatctctc ctttgtttat atctttgaca tcaaaggagt 300

aatagatcaa ccgtaggccc agtcctgggt cttgtcgata ccagtacatt ctatcatgac 360

ccttagtctg agaacattcc agcataatcc tctttcctgt ctttgtgatc ctattccttg 420

gggtctgggt aacatcagca tccatggacc ctgtggaaat tcaagcctca catggactga 480

gcgggctggc aaggc 495

<210> 768
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 768
gcctccctcg cgccatcaga gagtgtcttg accatctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga agagtgtctt gaccatctga 480

gcgggctggc aaggc 495

<210> 769
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 769
gcctccctcg cgccatcagg ttccgaattg accatatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga gttccgaatt gaccatctga 480

gcgggctggc aaggc 495

<210> 770
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 770
gcctccctcg cgccatcagc gttacttttg accatctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga cgttactttt gaccatctga 480

gcgggctggc aaggc 495

<210> 771
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 771
gcctccctcg cgccatcagt aggagacttg accatctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga taggagactt gaccatctga 480

gcgggctggc aaggc 495

<210> 772
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 772
gcctccctcg cgccatcagg acactctttg accatagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga gacactcttt gaccatctga 480

gcgggctggc aaggc 495

<210> 773
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 773
gcctccctcg cgccatcagt tcggaacttg accatatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga ttcggaactt gaccatctga 480

gcgggctggc aaggc 495

<210> 774
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 774
gcctccctcg cgccatcaga agtaacgttg accatgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga aagtaacgtt gaccatctga 480

gcgggctggc aaggc 495

<210> 775
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 775

gcctccctcg cgccatcagg tctcctattg accatcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga gtctcctatt gaccatctga 480

gcgggctggc aaggc 495

<210> 776
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 776
gcctccctcg cgccatcagg tagacacttg accatgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga gtagacactt gaccatctga 480

gcgggctggc aaggc 495

<210> 777
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 777
gcctccctcg cgccatcagc actgtacttg accatcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga cactgtactt gaccatctga 480

gcgggctggc aaggc 495

<210> 778
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 778
gcctccctcg cgccatcagg atgatccttg accatccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga gatgatcctt gaccatctga 480

gcgggctggc aaggc 495

<210> 779
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 779
gcctccctcg cgccatcagc gccaatattg accatccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga cgccaatatt gaccatctga 480

gcgggctggc aaggc 495

<210> 780
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 780
gcctccctcg cgccatcagt caagcctttg accatccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt tgaccattca ctgctggcac agaggtactg 180

agaggtatgt gagggcctgg cagactccag ggtcagggga aaatgctccg tccttattct 240

ggagactgtt gactcagagg aaagatctcc cttctctgtg gaattaactc cataggaata 300

gtggatgagg tgtagttcca ttcctggatc ttgttgatac cagtacattt tgtcatggcc 360

catggtttga gaacattcca gagtgatctt ctttcctgtc cctataacaa ggtatcttgg 420

ggtctggtag atgtcagctt ccatgaggcc tatgggaaga tcaagccttt gaccatctga 480

gcgggctggc aaggc 495

<210> 781
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 781
gcctccctcg cgccatcaga gagtgtcgtg acttgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga taccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg agagtgtcgt gacttgctga 480

gcgggctggc aaggc 495

<210> 782
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 782
gcctccctcg cgccatcagg ttccgaagtg acttgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg gttccgaagt gacttgctga 480

gcgggctggc aaggc 495

<210> 783
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 783
gcctccctcg cgccatcagc gttacttgtg acttgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg cgttacttgt gacttgctga 480

gcgggctggc aaggc 495

<210> 784
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 784
gcctccctcg cgccatcagt aggagacgtg acttgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg taggagacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 785
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 785
gcctccctcg cgccatcagg acactctgtg acttgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg gacactctgt gacttgctga 480

gcgggctggc aaggc 495

<210> 786
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 786
gcctccctcg cgccatcagt tcggaacgtg acttgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg ttcggaacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 787
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 787
gcctccctcg cgccatcaga agtaacggtg acttggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg aagtaacggt gacttgctga 480

gcgggctggc aaggc 495

<210> 788
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 788
gcctccctcg cgccatcagg tctcctagtg acttgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg gtctcctagt gacttgctga 480

gcgggctggc aaggc 495

<210> 789
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 789
gcctccctcg cgccatcagg tagacacgtg acttggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg gtagacacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 790
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 790
gcctccctcg cgccatcagc actgtacgtg acttgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg cactgtacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 791
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 791
gcctccctcg cgccatcagg atgatccgtg acttgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg gatgatccgt gacttgctga 480

gcgggctggc aaggc 495

<210> 792
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 792
gcctccctcg cgccatcagc gccaatagtg acttgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg cgccaatagt gacttgctga 480

gcgggctggc aaggc 495

<210> 793
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 793
gcctccctcg cgccatcagt caagcctgtg acttgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg tgacttgtca ctgctggcat agagatacac 180

agatgtctgg ttggtgctgg cagacttcag ggtcagggga aaagatgcta tagtatttca 240

agaaacatga tacccctcag agatatctcc tttttcagtg ctcccagtgc caggtgaata 300

atagaccagc ttcagtccaa gtcctgggtc ctgtcgatac cagtacattg taacatgatt 360

catattctgg gaacactgta gaatgaattc ctttcctgtc ccaatgattc tgtgtcttgg 420

gaattgtgta actacagcat ccttgaggcc tgttgggggg tcaagcctgt gacttgctga 480

gcgggctggc aaggc 495

<210> 794
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 794
gcctccctcg cgccatcaga gagtgtcaag ccatcctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggggcc tgtaaaggaa agagtgtcaa gccatcctga 480

gcgggctggc aaggc 495

<210> 795
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 795
gcctccctcg cgccatcagg ttccgaaaag ccatcatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggggcc tgtaaaggaa gttccgaaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 796
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 796
gcctccctcg cgccatcagc gttacttaag ccatcctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa cgttacttaa gccatcctga 480

gcgggctggc aaggc 495

<210> 797
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 797
gcctccctcg cgccatcagt aggagacaag ccatcctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa taggagacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 798
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 798

gcctccctcg cgccatcagg acactctaag ccatcagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggcc tgtaaaggaa gacactctaa gccatcctga 480

gcgggctggc aaggc 495

<210> 799
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 799
gcctccctcg cgccatcagt tcggaacaag ccatcatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggcc tgtaaaggaa ttcggaacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 800
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 800
gcctccctcg cgccatcaga agtaacgaag ccatcgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggcc tgtaaaggaa aagtaacgaa gccatcctga 480

gcgggctggc aaggc 495

<210> 801
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 801
gcctccctcg cgccatcagg tctcctaaag ccatccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggcc tgtaaaggaa gtctcctaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 802
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 802
gcctccctcg cgccatcagg tagacacaag ccatcgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggcc tgtaaaggaa gtagacacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 803
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 803
gcctccctcg cgccatcagc actgtacaag ccatccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa cactgtacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 804
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 804
gcctccctcg cgccatcagg atgatccaag ccatcccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa gatgatccaa gccatcctga 480

gcgggctggc aaggc 495

<210> 805
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 805
gcctccctcg cgccatcagc gccaataaag ccatcccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa cgccaataaa gccatcctga 480

gcgggctggc aaggc 495

<210> 806
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 806
gcctccctcg cgccatcagt caagcctaag ccatcccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta agccatctca ctgctggcac agaagtacag 180

agaggtctgg ttggggctgg gcgactccag gatcaggggg aaattcctct tctcttttcg 240

agagactttg tacccttcag gaacatctcc cttatcagtc acctcaacat tcattgaata 300

gtagatctgc cttaagccca gccctgggtc ttgtcgatac caggacatat actcatggtt 360

catattctga gaacaagtca ctgttaactt ctttccagtc actgtgatga ggtatcttgg 420

gttctgggtc acttgggctt ccaggggccc tgtaaaggaa tcaagcctaa gccatcctga 480

gcgggctggc aaggc 495

<210> 807
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 807
gcctccctcg cgccatcaga gagtgtcgat tgcagctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac agagtgtcga ttgcagctga 480

gcgggctggc aaggc 495

<210> 808
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 808
gcctccctcg cgccatcagg ttccgaagat tgcagatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaag attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac gttccgaaga ttgcagctga 480

gcgggctggc aaggc 495

<210> 809
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 809
gcctccctcg cgccatcagc gttacttgat tgcagctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac cgttacttga ttgcagctga 480

gcgggctggc aaggc 495

<210> 810
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 810
gcctccctcg cgccatcagt aggagacgat tgcagctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac taggagacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 811
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 811
gcctccctcg cgccatcagg acactctgat tgcagagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac gacactctga ttgcagctga 480

gcgggctggc aaggc 495

<210> 812
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 812
gcctccctcg cgccatcagt tcggaacgat tgcagatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac ttcggaacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 813
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 813
gcctccctcg cgccatcaga agtaacggat tgcaggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac aagtaacgga ttgcagctga 480

gcgggctggc aaggc 495

<210> 814
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 814
gcctccctcg cgccatcagg tctcctagat tgcagcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctag attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac gtctcctaga ttgcagctga 480

gcgggctggc aaggc 495

<210> 815
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 815
gcctccctcg cgccatcagg tagacacgat tgcaggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac gtagacacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 816
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 816
gcctccctcg cgccatcagc actgtacgat tgcagcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac cactgtacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 817
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 817
gcctccctcg cgccatcagg atgatccgat tgcagccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac gatgatccga ttgcagctga 480

gcgggctggc aaggc 495

<210> 818
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 818
gcctccctcg cgccatcagc gccaatagat tgcagccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatag attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac cgccaataga ttgcagctga 480

gcgggctggc aaggc 495

<210> 819
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 819
gcctccctcg cgccatcagt caagcctgat tgcagccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctg attgcagtca ctgctggcac agaggtacat 180

agatgtctgg ttggtgctgg cggactccag aatcagggag aagcgctcct tcttctctct 240

agagacactg tacccctcag gaatatctcc tttttctttc attttaacat catatgagaa 300

atagatcagc cgtagcccca gacctgggtc ttgtcgatac cagaacatat tttcatggtc 360

catatcctgg acacattcca gaaaaacttt ctctcccgtc cttttgacta gatatctcga 420

gctctgggtt actttcacat ctacgaggcc tgtgagagac tcaagcctga ttgcagctga 480

gcgggctggc aaggc 495

<210> 820
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 820
gcctccctcg cgccatcaga gagtgtcact atgacctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt agagtgtcac tatgacctga 480

gcgggctggc aaggc 495

<210> 821
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 821

gcctccctcg cgccatcagg ttccgaaact atgacatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt gttccgaaac tatgacctga 480

gcgggctggc aaggc 495

<210> 822
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 822
gcctccctcg cgccatcagc gttacttact atgacctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt cgttacttac tatgacctga 480

gcgggctggc aaggc 495

<210> 823
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 823
gcctccctcg cgccatcagt aggagacact atgacctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt taggagacac tatgacctga 480

gcgggctggc aaggc 495

<210> 824
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 824
gcctccctcg cgccatcagg acactctact atgacagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt gacactctac tatgacctga 480

gcgggctggc aaggc 495

<210> 825
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 825
gcctccctcg cgccatcagt tcggaacact atgacatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt ttcggaacac tatgacctga 480

gcgggctggc aaggc 495

<210> 826
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 826
gcctccctcg cgccatcaga agtaacgact atgacgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt aagtaacgac tatgacctga 480

gcgggctggc aaggc 495

<210> 827
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 827
gcctccctcg cgccatcagg tctcctaact atgaccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt gtctcctaac tatgacctga 480

gcgggctggc aaggc 495

<210> 828
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 828
gcctccctcg cgccatcagg tagacacact atgacgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt gtagacacac tatgacctga 480

gcgggctggc aaggc 495

<210> 829
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 829
gcctccctcg cgccatcagc actgtacact atgaccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt cactgtacac tatgacctga 480

gcgggctggc aaggc 495

<210> 830
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 830
gcctccctcg cgccatcagg atgatccact atgacccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt gatgatccac tatgacctga 480

gcgggctggc aaggc 495

<210> 831
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 831
gcctccctcg cgccatcagc gccaataact atgacccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt cgccaataac tatgacctga 480

gcgggctggc aaggc 495

<210> 832
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 832
gcctccctcg cgccatcagt caagcctact atgacccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta ctatgactca acgctgcaga gatatatgct 180

gctgtcttca gggctcatgt tgctcacagt cagagttgag aatgttaggt ttgggcggct 240

gatgggaaac ttgtcaatga caaatccact ctcatatgtg gcctcagagc cctgatttgc 300

agttgcgatc agtgtcaggc tctgtccagg ttgctgacgg taccagaaca tcatggtgac 360

ttggctatcg acttgacact ggatcgtcag ggaggttcca cgttgacaga tatccctgct 420

tggcttttga gagatgacag cactgaacac agagcctagt tcaagcctac tatgacctga 480

gcgggctggc aaggc 495

<210> 833
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 833
gcctccctcg cgccatcaga gagtgtctcc atgtgctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtct ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata agagtgtctc catgtgctga 480

gcgggctggc aaggc 495

<210> 834
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 834
gcctccctcg cgccatcagg ttccgaatcc atgtgatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaat ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata gttccgaatc catgtgctga 480

gcgggctggc aaggc 495

<210> 835
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 835
gcctccctcg cgccatcagc gttactttcc atgtgctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttt ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata cgttactttc catgtgctga 480

gcgggctggc aaggc 495

<210> 836
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 836
gcctccctcg cgccatcagt aggagactcc atgtgctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagact ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata taggagactc catgtgctga 480

gcgggctggc aaggc 495

<210> 837
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 837
gcctccctcg cgccatcagg acactcttcc atgtgagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctt ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata gacactcttc catgtgctga 480

gcgggctggc aaggc 495

<210> 838
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 838
gcctccctcg cgccatcagt tcggaactcc atgtgatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaact ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata ttcggaactc catgtgctga 480

gcgggctggc aaggc 495

<210> 839
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 839
gcctccctcg cgccatcaga agtaacgtcc atgtggggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgt ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata aagtaacgtc catgtgctga 480

gcgggctggc aaggc 495

<210> 840
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 840
gcctccctcg cgccatcagg tctcctatcc atgtgcctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctat ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata gtctcctatc catgtgctga 480

gcgggctggc aaggc 495

<210> 841
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 841
gcctccctcg cgccatcagg tagacactcc atgtggcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacact ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata gtagacactc catgtgctga 480

gcgggctggc aaggc 495

<210> 842
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 842
gcctccctcg cgccatcagc actgtactcc atgtgcgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtact ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata cactgtactc catgtgctga 480

gcgggctggc aaggc 495

<210> 843
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 843
gcctccctcg cgccatcagg atgatcctcc atgtgccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcct ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata gatgatcctc catgtgctga 480

gcgggctggc aaggc 495

<210> 844
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 844

gcctccctcg cgccatcagc gccaatatcc atgtgccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatat ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata cgccaatatc catgtgctga 480

gcgggctggc aaggc 495

<210> 845
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 845
gcctccctcg cgccatcagt caagccttcc atgtgccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctt ccatgtgtca caggcacaga gatagaagcc 180

agagtcactg agaaggagct tcttagaact caggatgaac tgccggtcct ggggtctgga 240

ggctgagaga ttctggggca cctcagagct gatctggcca ataccaacgg agtagaagag 300

cagctggagg cccctgcctg cagcctgtcg gtaccagtat aggttggggt ttgatgttcc 360

ctccacagtg cactccagag agagcgggct gcccacaggc tgcaccaggg tcgctggcca 420

ttgatgaata gtctgagatc tgacccctgt gggaaagata tcaagccttc catgtgctga 480

gcgggctggc aaggc 495

<210> 846
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 846
gcctccctcg cgccatcaga gagtgtcatg gtcaactgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga agagtgtcat ggtcaactga 480

gcgggctggc aaggc 495

<210> 847
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 847
gcctccctcg cgccatcagg ttccgaaatg gtcaaatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaaa tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga gttccgaaat ggtcaactga 480

gcgggctggc aaggc 495

<210> 848
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 848
gcctccctcg cgccatcagc gttacttatg gtcaactgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttactta tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga cgttacttat ggtcaactga 480

gcgggctggc aaggc 495

<210> 849
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 849
gcctccctcg cgccatcagt aggagacatg gtcaactcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagaca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga taggagacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 850
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 850
gcctccctcg cgccatcagg acactctatg gtcaaagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactcta tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga gacactctat ggtcaactga 480

gcgggctggc aaggc 495

<210> 851
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 851
gcctccctcg cgccatcagt tcggaacatg gtcaaatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaaca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga ttcggaacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 852
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 852
gcctccctcg cgccatcaga agtaacgatg gtcaagggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacga tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga aagtaacgat ggtcaactga 480

gcgggctggc aaggc 495

<210> 853
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 853
gcctccctcg cgccatcagg tctcctaatg gtcaacctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctaa tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga gtctcctaat ggtcaactga 480

gcgggctggc aaggc 495

<210> 854
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 854
gcctccctcg cgccatcagg tagacacatg gtcaagcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacaca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga gtagacacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 855
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 855
gcctccctcg cgccatcagc actgtacatg gtcaacgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtaca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga cactgtacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 856
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 856
gcctccctcg cgccatcagg atgatccatg gtcaaccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatcca tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga gatgatccat ggtcaactga 480

gcgggctggc aaggc 495

<210> 857
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 857
gcctccctcg cgccatcagc gccaataatg gtcaaccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaataa tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga cgccaataat ggtcaactga 480

gcgggctggc aaggc 495

<210> 858
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 858
gcctccctcg cgccatcagt caagcctatg gtcaaccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagccta tggtcaatca cggtacaagg acacagggac 180

acctgaaagg gagttgcaga tttcagagcc aaagagaact tctatttttt gccaggaaat 240

attttcaata gggatatgtc tctaatcaac aatgtcaatg ttaactgaat aatgagtcgg 300

ctctaattcc aaccctgatt cttgtgaaaa ccagtatgaa atcttggcac ttatcttgag 360

aactcctttc ctgtctctgc aatcaggtgt cttagagtct aggtggcttc agcttctacg 420

agctggggtt tatgagctga ggggacagaa gacagaaaga tcaagcctat ggtcaactga 480

gcgggctggc aaggc 495

<210> 859
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 859
gcctccctcg cgccatcaga gagtgtccaa gtcacctgtg gacccacttt tccctgtgac 60

ggatctgcaa aagaacctga aaaatgtctt acctacaact gtgagtctgg tgccttgtcc 120

aaagaaagct tcagtgtcga cagagtgtcc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg agagtgtcca agtcacctga 480

gcgggctggc aaggc 495

<210> 860
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 860
gcctccctcg cgccatcagg ttccgaacaa gtcacatttc ccaggacaga gtcctccctc 60

atcgcacccc tcctagagac ccccagcctt acctacaacg gttaacctgg tccccgaacc 120

gaaggtgtag ccatagtcga cgttccgaac aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg gttccgaaca agtcacctga 480

gcgggctggc aaggc 495

<210> 861
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 861
gcctccctcg cgccatcagc gttacttcaa gtcacctgga ttccagcccc tttttgcaag 60

ttcccagctg tccagccttg acttactcac ctacaacagt gagccaactt ccctctccaa 120

aatatatggt gtttcgtcga ccgttacttc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg cgttacttca agtcacctga 480

gcgggctggc aaggc 495

<210> 862
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 862
gcctccctcg cgccatcagt aggagaccaa gtcacctcct ggaactccga ccttatgata 60

cactatcccg aaagaagtct tttacatacc caagacagag agctgggttc cactgccaaa 120

aaacagtttt tcattgtcga ctaggagacc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg taggagacca agtcacctga 480

gcgggctggc aaggc 495

<210> 863
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 863
gcctccctcg cgccatcagg acactctcaa gtcacagaga actctgcctt caagggacaa 60

tggccatacc accctgattc tgcaacttac ctaggatgga gagtcgagtc ccatcaccaa 120

aatgctgggg ctgatgtcga cgacactctc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg gacactctca agtcacctga 480

gcgggctggc aaggc 495

<210> 864
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 864
gcctccctcg cgccatcagt tcggaaccaa gtcacatcat tgcagtcaaa cccaggcacc 60

cccgagtcaa gagtggagcc cccatacctg tcacagtgag cctggtcccg ttcccaaagt 120

ggaggggtga attatgtcga cttcggaacc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg ttcggaacca agtcacctga 480

gcgggctggc aaggc 495

<210> 865
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 865
gcctccctcg cgccatcaga agtaacgcaa gtcacgggtc gtgcaggctg ggctgctcac 60

cctctctccc acctggagcc cccttcttac ctagcacggt gagccgtgtc cctggcccga 120

agaactgctc attgtgtcga caagtaacgc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg aagtaacgca agtcacctga 480

gcgggctggc aaggc 495

<210> 866
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 866
gcctccctcg cgccatcagg tctcctacaa gtcaccctct gcccatcccg ccctctcgga 60

gctctccgga gccccaaccg cctccttacc cagtacggtc agcctagagc cttctccaaa 120

aaacagctcc ccggtgtcga cgtctcctac aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg gtctcctaca agtcacctga 480

gcgggctggc aaggc 495

<210> 867
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 867

gcctccctcg cgccatcagg tagacaccaa gtcacgcgtc ccggggcgcc ccctccccag 60

ttccggggct tcagcgggag cccccgctta ccgagcactg tcagccgggt gcctgggcca 120

aaatactgcg tatctgtcga cgtagacacc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg gtagacacca agtcacctga 480

gcgggctggc aaggc 495

<210> 868
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 868
gcctccctcg cgccatcagc actgtaccaa gtcaccgcac aaaaacccga gcgcagtctc 60

gtccccggtc ccccggcggc cccagcttac ccagcactga gagccgggtc ccggcgccga 120

agtactgaat gttttgtcga ccactgtacc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg cactgtacca agtcacctga 480

gcgggctggc aaggc 495

<210> 869
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 869
gcctccctcg cgccatcagg atgatcccaa gtcacccccg caaaaaccag acccaagccg 60

cccgcgcccg cgccccagca gcccgcgctc accgagcacc aggagccgcg tgcctggccc 120

gaagtactgg gtctcgtcga cgatgatccc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg gatgatccca agtcacctga 480

gcgggctggc aaggc 495

<210> 870
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 870
gcctccctcg cgccatcagc gccaatacaa gtcacccgcc gccttccacc tgaatcccgc 60

cgcccgggtg gtcccgcgaa aactcaccca gcacggtcag cctgctgccg gccccgaaag 120

tcaggacgtt ggcccgtcga ccgccaatac aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg cgccaataca agtcacctga 480

gcgggctggc aaggc 495

<210> 871
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 871
gcctccctcg cgccatcagt caagcctcaa gtcacccacc ctccgactcc ggggaccgag 60

gggctggaag gtggggagac gcccgaatct cacctgtgac cgtgagcctg gtgcccggcc 120

cgaagtactg ctcgtgtcga ctcaagcctc aagtcactca catatccgct cagagaggat 180

gtggctgcac tgataggctg ctgctgcaga gggtctcaga gtctggttag tgctggacga 240

tttaagggtt gggaaagatg attatttttt ccctttttc tttttggtta gaatgactat 300

gctgactcag ggcatctttt tcaaagctgc caacttcaga agaataatta atagattaaa 360

tttatcccca gccctggatc ttatggattc cagaacgttt ggtctggttg atagtctgaa 420

aacattccga tacaactttc ctgcctcatc tcagggtctg tcaagcctca agtcacctga 480

gcgggctggc aaggc 495

<210> 872
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 872
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 873
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 873
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 874
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 874
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 875
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 875
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 876
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 876
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 877
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 877
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 878
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 878
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 879
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 879
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 880
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 880
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 881
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 881
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 882
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 882
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 883
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 883
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 884
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 884
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 885
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 885
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 886
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 886
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 887
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 887
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 888
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 888
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 889
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 889
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 890
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 890
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 891
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 891
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 892
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 892
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 893
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 893
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 894
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 894
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 895
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 895
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 896
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 896
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 897
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 897
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 898
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 898
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 899
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 899

atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 900
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 900
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 901
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 901
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 902
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 902
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 903
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 903
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 904
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 904
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 905
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 905
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 906
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 906
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 907
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 907
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 908
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 908
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 909
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 909
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 910
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 910
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 911
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 911
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 912
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 912
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 913
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 913
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 914
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 914
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 915
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 915
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 916
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 916
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 917
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 917
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 918
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 918
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 919
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 919
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 920
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 920
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 921
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 921
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 922
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 922
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 923
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 923
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 924
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 924
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacactga agctttcttt ggacaaggca 180

ccagactcac agttgtaggt aagacatttt tcaggttctt ttgcagatcc ggcatgcat 239

<210> 925
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 925
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 926
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 926
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 927
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 927
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 928
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 928
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 929
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 929
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 930
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 930
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 931
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 931
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 932
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 932
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 933
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 933
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 934

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 934
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 935
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 935
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 936
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 936
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 937
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 937
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 938
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 938
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 939
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 939
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 940
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 940
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 941
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 941
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 942
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 942
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 943
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 943
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 944
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 944
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 945
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 945
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 946
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 946
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 947
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 947
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 948
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 948
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 949
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 949
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 950
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 950
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 951
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 951
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 952
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 952
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 953
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 953
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 954
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 954
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 955
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 955
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 956
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 956
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 957
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 957
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 958
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 958
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 959
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 959
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 960
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 960
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 961
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 961
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 962
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 962
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 963
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 963
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 964
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 964
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 965
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 965
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 966
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 966
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 967
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 967
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 968
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 968

atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 969
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 969
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 970
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 970
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 971
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 971
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 972
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 972
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 973
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 973
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 974
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 974
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 975
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 975
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 976
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 976
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 977
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 977
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgactatgg ctacaccttc ggttcgggga 180

ccaggttaac cgttgtaggt aaggctgggg gtctctagga ggggtgcgat ggcatgcat 239

<210> 978
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 978
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 979
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 979
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 980
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 980
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 981
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 981
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 982
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 982
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 983
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 983
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 984
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 984
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 985
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 985
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 986
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 986
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 987
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 987
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 988
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 988
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 989
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 989
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 990
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 990
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 991
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 991
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 992
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 992
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 993
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 993
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 994
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 994
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 995
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 995
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 996
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 996
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 997
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 997
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 998
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 998
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 999
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 999
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1000
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1000
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1001
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1001
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1002
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1002
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1003

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1003
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1004
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1004
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1005
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1005
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1006
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1006
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1007
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1007
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1008
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1008
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1009
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1009
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1010
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1010
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gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1011
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1011
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1012
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1012
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1013
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1013
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1014
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1014
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1015
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1015
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1016
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1016
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1017
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1017
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1018
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1018
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1019
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1019
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1020
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1020
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1021
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1021
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1022
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1022
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1023
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1023
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1024
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1024
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1025
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1025
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1026
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1026
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1027
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1027
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1028
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1028
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1029
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1029
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1030
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1030
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacgaaac accatatatt ttggagaggg 180

aagttggctc actgttgtag gtgagtaagt caaggctgga cagctgggaa cgcatgcat 239

<210> 1031
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1031
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1032
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1032
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1033
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1033
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1034
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1034
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1035
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1035
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1036
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1036
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1037
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1037

atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1038
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1038
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1039
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1039
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1040
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1040
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1041
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1041
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1042
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1042
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1043
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1043
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1044
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1044
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1045
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1045
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1046
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1046
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1047
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1047
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1048
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1048
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1049
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1049
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1050
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1050
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1051
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1051
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1052
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1052
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1053
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1053
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1054
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1054
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1055
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1055
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1056
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1056
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1057
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1057
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1058
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1058
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1059
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1059
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1060
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1060
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1061
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1061
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1062
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1062
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1063
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1063
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1064
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1064
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1065
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1065
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1066
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1066
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1067
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1067
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1068
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1068
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1069
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1069
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1070
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1070
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1071
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1071
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1072

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1072
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1073
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1073
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1074
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1074
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1075
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1075
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1076
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1076
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1077
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1077
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1078
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1078
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1079
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1079
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1080
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1080
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1081
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1081
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1082
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1082
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1083
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1083
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacaatga aaaactgttt tttggcagtg 180

gaacccagct ctctgtcttg ggtatgtaaa agacttcttt cgggatagtg tgcatgcat 239

<210> 1084
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1084
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1085
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1085
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1086
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1086
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1087
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1087
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1088
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1088
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1089
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1089
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1090
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1090
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1091
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1091
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1092
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1092
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1093
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1093
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1094
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1094
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1095
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1095
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1096
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1096
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1097
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1097
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1098
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1098
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1099
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1099
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1100
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1100
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1101
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1101
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1102
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1102
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1103
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1103
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1104
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1104
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1105
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1105
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1106
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1106

atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1107
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1107
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1108
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1108
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1109
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1109
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1110
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1110
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1111
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1111
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1112
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1112
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1113
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1113
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1114
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1114
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1115
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1115
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1116
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1116
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1117
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1117
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1118
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1118
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1119
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1119
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1120
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1120
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1121
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1121
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1122
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1122
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1123
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1123
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1124
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1124
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1125
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1125
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1126
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1126
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1127
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1127
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1128
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1128
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1129
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1129
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1130
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1130
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1131
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1131
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1132
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1132
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1133
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1133
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1134
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1134
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1135
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1135
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1136
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1136
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacatcag ccccagcatt ttggtgatgg 180

gactcgactc tccatcctag gtaagttgca gaatcagggt ggtatggcca tgcatgcat 239

<210> 1137
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1137
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1138
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1138
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1139
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1139
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1140
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1140
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1141

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1141
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1142
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1142
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1143
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1143
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1144
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1144
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1145
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1145
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1146
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1146
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1147
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1147
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1148
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1148
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1149
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1149
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1150
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1150
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1151
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1151
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1152
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1152
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1153
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1153
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1154
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1154
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1155
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1155
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1156
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1156
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1157
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1157
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1158
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1158
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1159
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1159
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1160
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1160
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1161
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1161
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1162
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1162
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1163
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1163
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1164
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1164
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1165
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1165
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1166
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1166
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1167
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1167
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1168
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1168
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1169
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1169
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1170
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1170
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1171
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1171
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1172
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1172
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1173
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1173
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1174
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1174
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1175
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1175

atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1176
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1176
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1177
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1177
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1178
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1178
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1179
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1179
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1180
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1180
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1181
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1181
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1182
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1182
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1183
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1183
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1184
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1184
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1185
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1185
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1186
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1186
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1187
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1187
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1188
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1188
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1189
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1189
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacataat tcacccctcc actttgggaa 180

cgggaccagg ctcactgtga caggtatggg ggctccactc ttgactcggg ggcatgcat 239

<210> 1190
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1190
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1191
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1191
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1192
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1192
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1193
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1193
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1194
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1194
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1195
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1195
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1196
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1196
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1197
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1197
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1198
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1198
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1199
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1199
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1200
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1200
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1201
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1201
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1202
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1202
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1203
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1203
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1204
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1204
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1205
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1205
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1206
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1206
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1207
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1207
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1208
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1208
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1209
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1209
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1210

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1210
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1211
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1211
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1212
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1212
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1213
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1213
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1214
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1214
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1215
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1215
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1216
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1216
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1217
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1217
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1218
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1218
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1219
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1219
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1220
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1220
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1221
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1221
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1222
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1222
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1223
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1223
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1224
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1224
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1225
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1225
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1226
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1226
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1227
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1227
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1228
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1228
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1229
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1229
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1230
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1230
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1231
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1231
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1232
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1232
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1233
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1233
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1234
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1234
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1235
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1235
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1236
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1236
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1237
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1237
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1238
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1238
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1239
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1239
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1240
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1240
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1241
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1241
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1242
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1242
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacacaat gagcagttct tcgggccagg 180

gacacggctc accgtgctag gtaagaaggg ggctccaggt gggagagagg ggcatgcat 239

<210> 1243
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1243
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1244
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1244

atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1245
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1245
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1246
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1246
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1247
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1247
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1248
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1248
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1249
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1249
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1250
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1250
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1251
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1251
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1252
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1252
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1253
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1253
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1254
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1254
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1255
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1255
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1256
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1256
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1257
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1257
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1258
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1258
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1259
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1259
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1260
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1260
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1261
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1261
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1262
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1262
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1263
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1263
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1264
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1264
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1265
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1265
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1266
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1266
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1267
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1267
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1268
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1268
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1269
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1269
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1270
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1270
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1271
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1271
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1272
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1272
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1273
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1273
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1274
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1274
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1275
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1275
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1276
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1276
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1277
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1277
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1278
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1278
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1279

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1279
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1280
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1280
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1281
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1281
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1282
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1282
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1283
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1283
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1284
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1284
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1285
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1285
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1286
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1286
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1287
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1287
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1288
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1288
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1289
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1289
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1290
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1290
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1291
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1291
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1292
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1292
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1293
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1293
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1294
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1294
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1295
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1295
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacaccgg ggagctgttt tttggagaag 180

gctctaggct gaccgtactg ggtaaggagg cggttggggc tccggagagc tgcatgcat 239

<210> 1296
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1296
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1297
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1297
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1298
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1298
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1299
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1299
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1300
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1300
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1301
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1301
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1302
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1302
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1303
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1303
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1304
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1304
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1305
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1305
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1306
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1306
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1307
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1307
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1308
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1308
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1309
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1309
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1310
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1310
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1311
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1311
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1312
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1312
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1313
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1313

atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1314
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1314
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1315
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1315
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1316
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1316
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1317
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1317
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1318
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1318
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1319
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1319
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1320
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1320
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1321
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1321
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1322
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1322
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1323
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1323
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1324
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1324
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1325
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1325
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1326
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1326
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1327
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1327
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1328
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1328
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1329
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1329
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1330
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1330
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1331
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1331
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1332
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1332
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1333
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1333
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1334
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1334
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1335
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1335
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1336
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1336
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1337
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1337
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1338
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1338
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1339
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1339
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1340
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1340
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1341
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1341
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1342
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1342
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1343
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1343
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1344
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1344
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1345
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1345
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1346
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1346
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1347
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1347
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1348

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1348
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacagata cgcagtattt tggcccaggc 180

acccggctga cagtgctcgg taagcggggg ctcccgctga agccccggaa cgcatgcat 239

<210> 1349
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1349
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1350
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1350
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1351
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1351
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1352
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1352
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1353
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1353
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1354
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1354
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1355
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1355
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1356
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1356
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1357
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1357
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1358
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1358
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1359
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1359
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tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1360
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1360
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1361
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1361
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1362
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1362
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1363
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1363
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1364
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1364
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1365
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1365
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1366
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1366
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1367
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1367
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1368
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1368
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1369
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1369
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1370
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1370
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1371
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1371
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1372
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1372
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1373
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1373
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1374
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1374
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1375
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1375
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1376
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1376
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1377
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1377
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1378
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1378
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1379
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1379
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1380
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1380
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1381
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1381
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1382
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1382

atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1383
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1383
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1384
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1384
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1385
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1385
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1386
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1386
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1387
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1387
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1388
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1388
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1389
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1389
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1390
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1390
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1391
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1391
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1392
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1392
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1393
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1393
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1394
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1394
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1395
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1395
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1396
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1396
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1397
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1397
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1398
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1398
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1399
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1399
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1400
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1400
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1401
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1401
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacaaaac attcagtact tcggcgccgg 180

gacccggctc tcagtgctgg gtaagctggg gccgccgggg gaccggggac ggcatgcat 239

<210> 1402
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1402
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1403
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1403
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1404
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1404
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1405
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1405
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1406
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1406
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1407
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1407
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1408
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1408
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1409
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1409
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1410
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1410
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1411
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1411
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1412
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1412
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1413
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1413
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1414
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1414
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1415
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1415
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1416
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1416
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1417

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1417
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1418
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1418
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1419
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1419
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1420
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1420
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1421
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1421
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1422
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1422
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1423
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1423
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1424
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1424
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1425
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1425
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1426
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1426
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1427
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1427
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1428
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1428
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1429
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1429
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1430
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1430
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1431
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1431
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1432
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1432
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1433
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1433
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1434
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1434
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1435
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1435
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1436
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1436
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1437
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1437
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1438
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1438
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1439
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1439
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1440
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1440
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1441
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1441
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1442
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1442
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1443
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1443
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1444
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1444
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1445
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1445
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1446
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1446
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1447
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1447
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1448
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1448
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1449
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1449
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1450
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1450
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1451
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1451

atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1452
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1452
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1453
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1453
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1454
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1454
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacgagac ccagtacttc gggccaggca 180

cgcggctcct ggtgctcggt gagcgcgggc tgctggggcg cgggcgcggg cgcatgcat 239

<210> 1455
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1455
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1456
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1456
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1457
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1457
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1458
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1458
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1459
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1459
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1460
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1460
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1461
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1461
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1462
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1462
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1463
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1463
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1464
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1464
atgaattctc agtattatga ggaggaagag agacagagag gcaacttccc tgatcgattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1465
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1465
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1466
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1466
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1467
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1467
atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1468
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1468
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1469
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1469
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1470
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1470
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1471
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1471
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1472
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1472
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1473
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1473
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1474
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1474
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1475
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1475
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1476
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1476
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1477
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1477
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1478
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1478
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1479
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1479
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1480
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1480
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1481
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1481
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1482
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1482
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1483
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1483
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1484
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1484
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1485
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1485
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1486

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1486
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1487
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1487
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1488
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1488
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1489
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1489
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1490
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1490
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1491
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1491
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1492
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1492
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1493
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1493
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1494
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1494
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1495
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1495
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1496
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 1496
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1497
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1497
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1498
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1498
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1499
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1499
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1500
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1500
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1501
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1501
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1502
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1502
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1503
<211> 239
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1503
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1504
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1504
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1505
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1505
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1506
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1506
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1507
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1507
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacgggcc aacgtcctga ctttcggggc 180

cggcagcagg ctgaccgtgc tgggtgagtt ttcgcgggac cacccgggcg ggcatgcat 239

<210> 1508
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1508
atgaattctt ttataataat gaaatctcag agaagtctga aatattcgat gatcaattct 60

cagttgaaag gcctgatgga tcaaatttca atccggtcca caaagctgga ggactcagcc 120

atgtacttct gtgccagcag tcaaggtcag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1509
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1509
atgaattcag ctacaataat aaggagctca ttataaatga aacagttcca aatcgcttct 60

cacctaaatc tccagacaaa gctcacttaa atcaattccc tggagcttgg tgactctgct 120

gtgtatttct gtgccagcag ctacgtacgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1510
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1510
atgaattcgt ctacagctat gagaaactct ctataaatga aagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctctcttaa ctacacgccc tgcagccaga agactcagcc 120

ctgtatctct gcgccagcag ctacgcgttg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1511
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1511
atgaattcgt ctacaacttt aaagaacaga ctgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cctcagtgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1512
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1512
atgaattcgt ctacagtctt gaagaacggg ttgaaaacaa cagtgtgcca agtcgcttct 60

cacctgaatg ccccaacagc tctcacttat ctacacaccc tgcagccaga agactcggcc 120

ctgtatctct gcgccagcag cgtgtctacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1513
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1513
atgaattctg aatacttcag tgagacacag agaaacaaag gaaacttccc tggtcgattc 60

tcagggcgcc agttctctaa ctctcgctct tgtgagcacc ttggagctgg gggactcggc 120

cctttatctt tgcgccagca gagtaccgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1514
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1514
atgaattctg aatatgctaa tgagttaagg agatcagaag gaaacttccc taatcgattc 60

tcagggcgcc agttccatga ctgttgctct tgtgagtgcc ttggagctgg gggactcggc 120

cctgtatctc tgtgccagaa gttgcctcag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1515
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1515
atgaattctc agtattatag ggaggaagag aatggcagag gaaacttccc tcctagattc 60

tcaggtctcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg acgactcggc 120

cctgtatctc tgtgccagca gtcgttagcg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1516
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1516
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcgattc 60

tcagctcgcc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctgtatctc tgtgccagca gtggacatgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1517
<211> 239

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1517
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tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctgg gggactcggc 120

cctctatctc tgtgccagca gaggttgctg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1518
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1518
atgaattctc agtattatga gaaagaagag agaggaagag gaaacttccc tgatcaattc 60

tcaggtcacc agttccctaa ctatagctct tgtgaacgcc ttgttgctag gggactcggc 120

cctctatctc tgtgccagca ggtacagtgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1519
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1519
atgaattctt ggtatgacga gggtgaagag agaaacagag gaaacttccc tcctagattt 60

tcaggtcgcc agttccctaa ttatagctct tgtgaacgcc ttggagctgg aggactcggc 120

cctgtatctc tgtgccagca gatccatggg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1520
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1520

atgaattcta ctcagcttct gagggtacca ctgacaaagg agaagtcccc aatggctaca 60

atgtctccag attaaacaaa cgggagttct ctggagtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgatgcgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1521
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1521
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tgtagcagtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1522
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1522
atgaattcta ctcagttggt gagggtacaa ctgccaaagg agaggtccct gatggctaca 60

atgtctccag attaaaaaaa cagaatttcc ttggagtcgg ctgctccctc ccaaacatct 120

gtgtacttct gtgccagcag tggatcatcg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1523
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1523
atgaattcta ttcaaatact gcaggtacca ctggcaaagg agaagtccct gatggttata 60

gtgtctccag agcaaacaca gatgatttcc ttggcgtctg ctgtaccctc tcagacatct 120

gtgtacttct gtgccagcag tgtgaacgtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1524
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1524
atgaattcta ctcagttggt gctggtatca ctgaccaagg agaagtcccc aatggctaca 60

atgtctccag atcaaccaca gaggatttcc ctgctgtcgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag ttgtcatcgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1525
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1525
atgaattcta ttcagttggt gctggtatca ctgacaaagg agaagtcccg aatggctaca 60

acgtctccag atcaaccaca gaggatttcc ctggagttgg ctgctccctc ccagacatct 120

gtgtacttct gtgccagcag taggcttgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1526
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1526
atgaattcta ctcagttgct gctgctctca ctgacaaagg agaagttccc aatggctaca 60

atgtctccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc tcagacttct 120

gtttacttct gtgccagcag tacacacgtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1527
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1527
atgaattcta ctactcagct gctgctggta ctactgacaa agaagtcccc aatggctaca 60

atgtctctag attaaacaca gaggatttcc ctggtgtcgg ctgctccctc ccagacatct 120

gtgtacttgt gtgccagcag ttccacagtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1528
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1528
atgaattcta ctcagttgct gctggtatca ctgacaaagg agaagtcccc gatggctaca 60

atgtatccag atcaaacaca gaggatttcc ctggagtcag ctgctccctc ccagacatct 120

gtatacttct gtgccagcag tcagtctgtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1529
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1529
atgaattctt ccaaggcaag gatgcagcag acaaatcggg gcttccccgt gatcggttct 60

ctgcacagag gtctgaggga tccatctcca ttccagcgca cacagcaggg ggacttggct 120

gtgtatctct gtgccagcag ctccatgtgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1530
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1530
atgaattctt ccaaggcaac agtgcaccag acaaatcagg gctgcccagt gatcgcttct 60

ctgcagagag gactggggga tccgtctcca atccagcgca cacagcagga ggactcggcc 120

gtgtatctct gtgccagcag ctcactgcag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1531
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1531
atgaattctt ccaaggcacg ggtgcggcag atgactcagg gctgcccaac gatcggttct 60

ttgcagtcag gcctgaggga tccgtctcta atccagcgca cagagcgggg ggactcagcc 120

gtgtatctct gtgccagcag ccaagtcacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1532
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1532
atgaattctc ccagagtgat gctcaacgag acaaatcagg gcggcccagt ggtcggttct 60

ctgcagagag gcctgagaga tccgtctcca atccagcgca cagagcaggg ggactcagct 120

gtgtatctct gtgccagcag ctagacggag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1533
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1533
atgaattctt caattatgaa gcccaacaag acaaatcagg gctgcccaat gatcggttct 60

ctgcagagag gcctgaggga tccatctcca atccagcgca cagagcagcg ggactcggcc 120

atgtatcgct gtgccagcag cgagcgatag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1534
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1534
atgaattctt caattatgaa gctcaaccag acaaatcagg gctgcccagt gatcggttct 60

ctgcagagag gcctgaggga tccatctcca attcagcgca cagagcagcg ggactcagcc 120

atgtatcgct gtgccagcag cctcgagaag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1535
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1535
atgaattctt ccagaatgaa gctcaactag acaaatcggg gctgcccagt gatcgcttct 60

ttgcagaaag gcctgaggga tccgtctcca atccagcgca cacagcagga ggactccgcc 120

gtgtatctct gtgccagcag catgacaccg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1536
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1536
atgaattctt ccagaatgaa gctcaactag aaaaatcaag gctgctcagt gatcggttct 60

ctgcagagag gcctaaggga tctttctcca atccagcgca cagagcaggg ggactcggcc 120

atgtatctct gtgccagcag ccttcacgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1537
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1537
atgaattctc agtattataa tggagaagag agagcaaaag gaaacattct tgaacgattc 60

tccgcacaac agttccctga cttgcactct cctgagctct ctggagctgg gggactcagc 120

tttgtatttc tgtgccagca gcgtagagtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1538
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1538
atgaattcta ctcatatggt gttcacgaca ctaacaaagg agaagtctca gatggctaca 60

gtgtctctag atcaaacaca gaggacctcc ctggagtctg ctgcctcctc ccagacatct 120

gtatatttct gcgccagcag ttcgtcgatg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1539
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1539
atgaattcta ctcagcagct gctgatatta cagataaagg agaagtcccc gatggctatg 60

ttgtctccag atccaagaca gagaatttcc ctggagtcag ctacccgctc ccagacatct 120

gtgtatttct gcgccagcag tagctagtgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1540
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1540
atgaattcta ctcatatggt gttaaagata ctgacaaagg agaagtctca gatggctata 60

gtgtctctag atcaaagaca gaggatttcc ctggagtccg ctaccagctc ccagacatct 120

gtgtacttct gtgccatcag ttgagacctg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1541
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1541
atgaattctt tcaggatgag agtgtagtag atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

atgtatctct gtgccagcag cgatggcttg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1542
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1542
atgaattctt tcagaataac ggtgtagtgg atgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg caaagcttga ggactcggcc 120

gtgtatctct gtgccagcag cgcatctgag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1543
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1543
atgaattcta tgagaatgag gaagcagtag acgattcaca gttgcctaag gatcgatttt 60

ctgcagagag gctcaaagga gtagactcca atccagcctg cagagcttgg ggactcggcc 120

gtgtatctct gtgccagcag cgacactctg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1544
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1544
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttgctacacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1545
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1545
atgaattctt taacaacaac gttccgatag atgattcagg gatgcccgag gatcgattct 60

cagctaagat gcctaatgca tcattctcca atccagccct cagaacccag ggactcagct 120

gtgtacttct gtgccagcag ttcagcttgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1546
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1546
atgaattctt ccgcaaccgg gctcctctag atgattcggg gatgccgaag gatcgattct 60

cagcagagat gcctgatgca actttagcca atccagccct cagaacccag ggactcagct 120

gtgtattttt gtgctagtgg tttcggaacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1547
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1547
atgaattctc gttttatgaa aagatgcaga gcgataaagg aagcatccct gatcgattct 60

cagctcaaca gttcagtgac tatcattctg atgagctcct tggagctggg ggactcagcc 120

ctgtacttct gtgccagcag cgcaattcgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1548
<211> 239
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1548
atgaattctt tgtgaaagag tctaaacagg atgagtccgg tatgcccaac aatcgattct 60

tagctgaaag gactggaggg acgtattcta gtgcagcctg cagaactgga ggattctgga 120

gtttatttct gtgccagcag ccaagaggtg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1549
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1549
atgaattcca ctactatgac aaagatttta acaatgaagc agacacccct gataacttcc 60

aatccaggag gccgaacact tctttctgct atccgctcac caggcctggg ggacgcagcc 120

atgtacctgt gtgccaccag cgaatggacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1550
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1550
atgaattctt ccagaatgaa aatgtctttg atgaaacagg tatgcccaag gaaagatttt 60

cagctaagtg cctcccaaat tcaccctgta atccaggcta cgaagcttga ggattcagca 120

gtgtattttt gtgccagcag caactgccag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1551
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1551
atgaattctc cttccagtac caaaacattg cagttgattc agggatgccc aaggaacgat 60

tcacagctga aagacctaac ggaacgtctt aagatccatc ccgcagagcc gagggactca 120

gccgtgtatc tctacagtag ccctagtagg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1552
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1552
atgaattcct ccagaaagaa aatatcatag atgagtcagg aatgccaaag gaacgatttt 60

ctgctgaatt tcccaaagag ggccccagca atccagcagg tagtgcgagg agattcggca 120

gcttatttct gtgccagctc actgacgttg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1553
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1553
atgaattcta ctcacagata gtaaatgact ttcagaaagg agatatagct gaagggtaca 60

gcgtctctcg ggagaagaag gaatcctttc gtgacatcgg cccaaaagaa cccgacagct 120

ttctatctct gtgccagtag ttgcagacag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1554
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1554
atgaattctc caatgagggc tccaaggcca catacgagca aggcgtcgag aaggacaagt 60

ttctcatcaa ccatgcaagc ctgaccttgt acagtgacca gtgcccatcc tgaagacagc 120

agcttctaca tctgcagtgc tagttgaccg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1555

<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1555
atgaattcac tcctttgatg tcaaagatat aaacaaagga gagatctctg atggatacag 60

tgtctctcga caggcacagg ctaaattctc tagagtctgc catccccaac cagacagctc 120

tttacttctg tgccaccagt ggtctcctag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1556
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1556
atgaattcta ttcctatgga gttaattcca cagagaaggg agatctttcc tctgagtcaa 60

cagtctccag aataaggacg gagcattttc ctggagtctg ccaggccctc acatacctct 120

cagtacctct gtgccagcag tctgcaatcg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1557
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1557
atgaattcta ttcaatgaat gttgaggtga ctgataaggg agatgttcct gaagggtaca 60

aagtctctcg aaaagagaag aggaatttcc ctggagtcgc ccagccccaa ccagacctct 120

ctgtacttct gtgccagcag ttgagcgaag tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1558
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1558
atgaattctt ctcatatgat gttaaaatga aagaaaaagg agatattcct gaggggtaca 60

gtgtctctag agagaagaag gagcgcttct ctggagtccg ccagcaccaa ccagacatct 120

atgtacctct gtgccagcag tttggactgg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1559
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1559
atgaattcgc aaatcagggc tctgaggcca catatgagag tggatttgtc attgacaagt 60

ttcccatcag ccgcccaaac ctaacattct actgtgagca acatgagccc tgaagacagc 120

agcatatatc tctgcagcgt tagcaatccg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1560
<211> 239
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1560
atgaattcct cttctactcc gttggtattg gccagatcag ctctgaggtg ccccagaatc 60

tctcagcctc cagaccccag gaccggcagt agttctaaga agctccttct cagtgactct 120

ggcttctatc tctgtgcctg gcgaactacg tcgacacgag cagtacttcg ggccgggcac 180

caggctcacg gtcacaggtg agattcgggc gtctccccac cttccagccc cgcatgcat 239

<210> 1561
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1561
gccttgccag cccgctcagc aaggtcattg cctcaagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg caaggtcatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1562
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1562
gccttgccag cccgctcagg cataactttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataactttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg gcataacttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1563
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1563
gccttgccag cccgctcagc tctgattttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgattttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg ctctgatttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1564
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1564
gccttgccag cccgctcagt acgtacgttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tacgtacgtt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1565
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1565
gccttgccag cccgctcagt acgcgttttg cctcacagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgttttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tacgcgtttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1566
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1566
gccttgccag cccgctcagc tcagtgattg cctcacagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg ctcagtgatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1567
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1567
gccttgccag cccgctcagt ctgatatttg cctcaagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatatttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tctgatattt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1568
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1568
gccttgccag cccgctcagc atatgctttg cctcaagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgctttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg catatgcttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1569
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1569
gccttgccag cccgctcagc gtaattattg cctcacagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg cgtaattatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1570
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1570
gccttgccag cccgctcaga cgtactcttg cctcagcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactcttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg acgtactctt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1571
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1571
gccttgccag cccgctcagc ttctaagttg cctcattatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg cttctaagtt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1572
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1572
gccttgccag cccgctcaga ctatgacttg cctcagggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgacttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg actatgactt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1573
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1573
gccttgccag cccgctcagg acgttaattg cctcatccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg gacgttaatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1574
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1574
gccttgccag cccgctcaga caagatattg cctcagcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg acaagatatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 1575
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1575
gccttgccag cccgctcagc aaggtcatcg ttagcagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt caaggtcatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1576
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1576
gccttgccag cccgctcagg cataacttcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt gcataacttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1577
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1577
gccttgccag cccgctcagc tctgatttcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt ctctgatttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1578
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1578
gccttgccag cccgctcagt acgtacgtcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tacgtacgtc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1579
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1579
gccttgccag cccgctcagt acgcgtttcg ttagccagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tacgcgtttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1580

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1580
gccttgccag cccgctcagc tcagtgatcg ttagccagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt ctcagtgatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1581
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1581
gccttgccag cccgctcagt ctgatattcg ttagcagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tctgatattc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1582
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1582
gccttgccag cccgctcagc atatgcttcg ttagcagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt catatgcttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1583
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1583
gccttgccag cccgctcagc gtaattatcg ttagccagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt cgtaattatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1584
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1584
gccttgccag cccgctcaga cgtactctcg ttagcgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt acgtactctc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1585
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1585
gccttgccag cccgctcagc ttctaagtcg ttagcttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt cttctaagtc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1586
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1586
gccttgccag cccgctcaga ctatgactcg ttagcgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt actatgactc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1587
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1587
gccttgccag cccgctcagg acgttaatcg ttagctccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt gacgttaatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1588
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1588
gccttgccag cccgctcaga caagatatcg ttagcgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt acaagatatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 1589
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1589
gccttgccag cccgctcagc aaggtcatat agttcagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag caaggtcata tagttcctga 480

tggcgcgagg gaggc 495

<210> 1590
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1590
gccttgccag cccgctcagg cataacttat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag gcataactta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1591
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1591
gccttgccag cccgctcagc tctgatttat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag ctctgattta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1592
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1592
gccttgccag cccgctcagt acgtacgtat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tacgtacgta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1593
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1593
gccttgccag cccgctcagt acgcgtttat agttccagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tacgcgttta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1594
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1594
gccttgccag cccgctcagc tcagtgatat agttccagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag ctcagtgata tagttcctga 480

tggcgcgagg gaggc 495

<210> 1595
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1595
gccttgccag cccgctcagt ctgatattat agttcagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tctgatatta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1596
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1596
gccttgccag cccgctcagc atatgcttat agttcagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag catatgctta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1597
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1597
gccttgccag cccgctcagc gtaattatat agttccagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag cgtaattata tagttcctga 480

tggcgcgagg gaggc 495

<210> 1598
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1598
gccttgccag cccgctcaga cgtactctat agttcgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag acgtactcta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1599
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1599
gccttgccag cccgctcagc ttctaagtat agttcttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag cttctaagta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1600
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1600
gccttgccag cccgctcaga ctatgactat agttcgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag actatgacta tagttcctga 480

tggcgcgagg gaggc 495

<210> 1601
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1601
gccttgccag cccgctcagg acgttaatat agttctccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag gacgttaata tagttcctga 480

tggcgcgagg gaggc 495

<210> 1602
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1602
gccttgccag cccgctcaga caagatatat agttcgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag acaagatata tagttcctga 480

tggcgcgagg gaggc 495

<210> 1603

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1603
gccttgccag cccgctcagc aaggtcatgg cgtatagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg caaggtcatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1604
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1604
gccttgccag cccgctcagg cataacttgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg gcataacttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1605
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1605
gccttgccag cccgctcagc tctgatttgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg ctctgatttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1606
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1606
gccttgccag cccgctcagt acgtacgtgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tacgtacgtg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1607
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1607
gccttgccag cccgctcagt acgcgtttgg cgtatcagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tacgcgtttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1608
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1608
gccttgccag cccgctcagc tcagtgatgg cgtatcagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg ctcagtgatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1609
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1609
gccttgccag cccgctcagt ctgatattgg cgtatagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tctgatattg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1610
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1610
gccttgccag cccgctcagc atatgcttgg cgtatagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg catatgcttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1611
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1611
gccttgccag cccgctcagc gtaattatgg cgtatcagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg cgtaattatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1612
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1612
gccttgccag cccgctcaga cgtactctgg cgtatgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg acgtactctg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1613
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1613
gccttgccag cccgctcagc ttctaagtgg cgtatttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg cttctaagtg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1614
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1614
gccttgccag cccgctcaga ctatgactgg cgtatgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg actatgactg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1615
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1615
gccttgccag cccgctcagg acgttaatgg cgtattccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg gacgttaatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1616
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1616
gccttgccag cccgctcaga caagatatgg cgtatgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg acaagatatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 1617
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1617
gccttgccag cccgctcagc aaggtcatgg acatgagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga caaggtcatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1618
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1618
gccttgccag cccgctcagg cataacttgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga gcataacttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1619
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1619
gccttgccag cccgctcagc tctgatttgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga ctctgatttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1620
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1620
gccttgccag cccgctcagt acgtacgtgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tacgtacgtg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1621
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1621
gccttgccag cccgctcagt acgcgtttgg acatgcagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tacgcgtttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1622
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1622
gccttgccag cccgctcagc tcagtgatgg acatgcagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga ctcagtgatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1623
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1623
gccttgccag cccgctcagt ctgatattgg acatgagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tctgatattg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1624
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1624
gccttgccag cccgctcagc atatgcttgg acatgagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga catatgcttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1625
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1625
gccttgccag cccgctcagc gtaattatgg acatgcagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga cgtaattatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1626

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1626
gccttgccag cccgctcaga cgtactctgg acatggcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga acgtactctg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1627
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1627
gccttgccag cccgctcagc ttctaagtgg acatgttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga cttctaagtg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1628
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1628
gccttgccag cccgctcaga ctatgactgg acatggggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga actatgactg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1629
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1629
gccttgccag cccgctcagg acgttaatgg acatgtccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga gacgttaatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1630
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1630
gccttgccag cccgctcaga caagatatgg acatggcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga acaagatatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 1631
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1631
ttacctacaa ctgtgagtct ggtgccttgt ccaaa 35

<210> 1632
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1632
acctacaacg gttaacctgg tccccgaacc gaa 33

<210> 1633
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1633
acctacaaca gtgagccaac ttccctctcc aaa 33

<210> 1634
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1634
ccaagacaga gagctgggtt ccactgccaa a 31

<210> 1635
<211> 33

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1635
acctaggatg gagagtcgag tcccatcacc aaa 33

<210> 1636
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1636
ctgtcacagt gagcctggtc ccgttcccaa a 31

<210> 1637
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1637
cggtgagccg tgtccctggc ccgaa 25

<210> 1638
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1638
ccagtacggt cagcctagag ccttctccaa a 31

<210> 1639
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1639
actgtcagcc gggtgcctgg gccaaa 26

<210> 1640

<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1640
agagccgggt cccggcgccg aa 22

<210> 1641
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1641
ggagccgcgt gcctggcccg aa 22

<210> 1642
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1642
gtcagcctgc tgccggcccc gaa 23

<210> 1643
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1643
gtgagcctgg tgcccggccc gaa 23

<210> 1644
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1644
aacaaaggag aagtctcaga tggctacag 29

<210> 1645
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1645
gataaaggag aagtccccga tggctatgt 29

<210> 1646
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1646
gacaaaggag aagtctcaga tggctatag 29

<210> 1647
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1647
gccaaaggag aggtccctga tggctacaa 29

<210> 1648
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1648
ctctagatta aacacagagg atttcccac 29

<210> 1649
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1649
aaggagaagt ccccgatggc tacaatgta 29

<210> 1650
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1650
aaggagaagt ccccaatggc tacaatgtc 29

<210> 1651
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1651
gacaaaggag aagtcccgaa tggctacaac 30

<210> 1652
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1652
gttcccaatg gctacaatgt ctccagatc 29

<210> 1653
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1653
gtccccaatg gctacaatgt ctccagatt 29

<210> 1654
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1654
gtccctgatg gttatagtgt ctccagagc 29

<210> 1655
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1655
atctctgatg gatacagtgt ctctcgaca 29

<210> 1656
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1656
tttcctctga gtcaacagtc tccagaata 29

<210> 1657
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1657
tcctgaaggg tacaaagtct ctcgaaaag 29

<210> 1658
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1658
ctctgagagg tatcatgttt cttgaaata 29

<210> 1659
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1659

tcctgagggg tacagtgtct ctagagaga 29

<210> 1660
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1660
tatagctgaa gggtacagcg tctctcggg 29

<210> 1661
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1661
ctgaatgccc caacagctct ctcttaaac 29

<210> 1662
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1662
ctgaatgccc caacagctct cacttattc 29

<210> 1663
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1663
cctgaatgcc ctgacagctc tcgcttata 29

<210> 1664
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1664
cctaaatctc cagacaaagc tcacttaaa 29

<210> 1665
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1665
ctcacctgac tctccagaca aagctcat 28

<210> 1666
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1666
ttcagctaag tgcctcccaa attcaccct 29

<210> 1667
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1667
gattctcatc tcaatgcccc aagaacgc 28

<210> 1668
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1668
attttctgct gaatttccca aagagggcc 29

<210> 1669
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1669
attcacagct gaaagaccta acggaacgt 29

<210> 1670
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1670
tcttagctga aaggactgga gggacgtat 29

<210> 1671
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1671
ttcgatgatc aattctcagt tgaaaggcc 29

<210> 1672
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1672
ttgattctca gcacagatgc ctgatgt 27

<210> 1673
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1673
gcgattctca gctgagaggc ctgatgg 27

<210> 1674
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

primer"

<400> 1674
tcgattctca gctaagatgc ctaatgc 27

<210> 1675
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1675
ttctcagcag agatgcctga tgcaacttta 30

<210> 1676
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1676
ggttctctgc agagaggcct aagggatct 29

<210> 1677
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1677
gctgcccagt gatcgcttct ttgcagaaa 29

<210> 1678
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1678
ggcggcccag tggtcggttc tctgcagag 29

<210> 1679
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1679
atgatcggtt ctctgcagag aggcctgagg 30

<210> 1680
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1680
agtgatcgct tctctgcaga gaggactgg 29

<210> 1681
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1681
ggctgcccaa cgatcggttc tttgcagt 28

<210> 1682
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1682
tccccgtgat cggttctctg cacagaggt 29

<210> 1683
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 1683
ctaaggatcg attttctgca gagaggctc 29

<210> 1684
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1684
ctgatcgatt ctcagctcaa cagttcagt 29

<210> 1685
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1685
tggtcgattc tcagggcgcc agttctcta 29

<210> 1686
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1686
taatcgattc tcagggcgcc agttccatg 29

<210> 1687
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1687
tcctagattc tcaggtctcc agttcccta 29

<210> 1688
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1688
ggaaacttcc ctcctagatt ttcaggtcg 29

<210> 1689
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1689
aagaggaaac ttccctgatc gattctcagc 30

<210> 1690
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1690
ggcaacttcc ctgatcgatt ctcaggtca 29

<210> 1691
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1691
gttccctgac ttgcactctg aactaaac 28

<210> 1692
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1692
gccgaacact tctttctgct ttcttgac 28

<210> 1693
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1693
gaccccagga ccggcagttc atcctgagt 29

<210> 1694
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1694
atgcaagcct gaccttgtcc actctgaca 29

<210> 1695
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1695
catcagccgc ccaaacctaa cattctcaa 29

<210> 1696
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1696
acaactgtga gtctggtgcc ttgtccaaag aaa 33

<210> 1697
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1697
acaacggtta acctggtccc cgaaccgaag gtg 33

<210> 1698
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1698
acaacagtga gccaacttcc ctctccaaaa tat 33

<210> 1699
<211> 33
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1699
aagacagaga gctgggttcc actgccaaaa aac 33

<210> 1700
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1700
aggatggaga gtcgagtccc atcaccaaaa tgc 33

<210> 1701
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1701
gtcacagtga gcctggtccc gttcccaaag tgg 33

<210> 1702
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1702
agcacggtga gccgtgtccc tggcccgaag aac 33

<210> 1703
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1703
agtacggtca gcctagagcc ttctccaaaa aac 33

<210> 1704
<211> 33

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1704
agcactgtca gccgggtgcc tgggccaaaa tac 33

<210> 1705
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1705
agcactgaga gccgggtccc ggcgccgaag tac 33

<210> 1706
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1706
agcaccagga gccgcgtgcc tggcccgaag tac 33

<210> 1707
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1707
agcacggtca gcctgctgcc ggccccgaaa gtc 33

<210> 1708
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 1708
gtgaccgtga gcctggtgcc cggcccgaag tac 33

<210> 1709

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1709
gtgaccgtga gcctggtgcc cggcccgaag tac 33

<210> 1710
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1710
aatacgactc actatagg 18

<210> 1711
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1711
gctagttatt gctcagcgg 19

<210> 1712
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1712
attaaccctc actaaagg 18

<210> 1713
<211> 19
<212> DNA
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<400> 1713
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tgtaaaacga cggccagt 18

<210> 1715
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gttttcccag tcacgac 17

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caggaaacag ctatgacc 18

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gactggttcc aattgacaag c 21

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gcaaatggca ttctgacatc c 21

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gggctggcaa gccacgtttg gtg 23

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ccgggagctg catgtgtcag agg 23

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aactagaagg cacagtcgag gc 22

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tggtgcagat gaacttcagg 20

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gttcgacccc gcctcgatcc 20

<210> 1725
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tgacacacat tccacagggt c 21

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<211> 19
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gcgtgaatgt aagcgtgac 19

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<400> 1727
ggattattca taccgtccca 20

<210> 1728
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<400> 1728

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<210> 1729
<211> 20
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<400> 1729
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<210> 1730
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<400> 1730
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<400> 1732
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<210> 1733
<211> 26
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<210> 1735
<211> 26
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<400> 1735
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<210> 1736
<211> 26
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<220>
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<400> 1736
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<210> 1737
<211> 27
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<400> 1737
tgaagtcata cagttcctgg tgtccat 27

<210> 1738
<211> 28
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<220>
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oligonucleotide"

<400> 1738
ccaaatcagg ctttggagca cctgatct 28

<210> 1739
<211> 27
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1739
caaaggctta gaatatttat tacatgt 27

<210> 1740
<211> 27
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oligonucleotide"

<400> 1740
ccaggtccct gaggcactcc accagct 27

<210> 1741
<211> 28
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oligonucleotide"

<400> 1741
ctgaatctaa attatgagcc atctgaca 28

<210> 1742
<211> 34
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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gtgaagttac tatgagctta gtcccttcag caaa 34

<210> 1743
<211> 33
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

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cgaagttact atgagcctag tccctttgc aaa 33

<210> 1744
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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tgacaacaag tgttgttcca ctgccaaa 28

<210> 1745
<211> 31
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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ctgtaatgat aagctttgtt ccgggaccaa a 31

<210> 1746
<211> 19
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1746
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<210> 1747
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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caagcagaag acggcatacg agatcggtct gccttgccag cccgctcag 49

<210> 1748
<211> 16
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1748
acacacgtga cactct 16

<210> 1749
<211> 300
<212> DNA
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<220>
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polynucleotide"

<400> 1749
tcttattttc ataggctcca tggatactgg aattacccag acaccaaaat acctggtcac 60

agcaatgggg agtaaaagga caatgaaacg tgagcatctg ggacatgatt ctatgtattg 120

gtacagacag aaagctaaga aatccctgga gttcatgttt tactacaact gtaaggaatt 180

cattgaaaac aagactgtgc caaatcactt cacacctgaa tgccctgaca gctctcgctt 240

ataccttcat gtggtcgcac tgcagcaaga agactcagct gcgtatctct gcaccagcag 300

<210> 1750
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1750
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ttcttttgca gatccgtcac agggaaaagt gggtccacag 100

<210> 1751
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1751
ctgatggcgc gagggaggc 19

<210> 1752
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1752
aatgatacgg cgaccaccga gatctacacg cctccctcgc gccatcag 48

<210> 1753
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1753
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cag 63

<210> 1754
<211> 63
<212> DNA
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1754
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tgt 63

<210> 1755
<211> 63
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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tag 63

<210> 1756
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<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1756
caagcagaag acggcatacg agctcttccg atctctaagg atcgatttc tgcagagagg 60

ctc 63

<210> 1757

<211> 61
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<220>
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oligonucleotide"

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t 61

<210> 1758
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<212> DNA
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<220>
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oligonucleotide"

<400> 1758
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g 61

<210> 1759
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<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1759
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c 61

<210> 1760
<211> 64
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1760
caagcagaag acggcatacg agctcttccg atctttctca gcagagatgc ctgatgcaac 60

ttta 64

<210> 1761
<211> 63
<212> DNA
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1761
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agt 63

<210> 1762
<211> 63
<212> DNA
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<220>
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oligonucleotide"

<400> 1762
caagcagaag acggcatacg agctcttccg atcttcttag ctgaaaggac tggagggacg 60

tat 63

<210> 1763
<211> 62
<212> DNA
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<220>
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oligonucleotide"

<400> 1763
caagcagaag acggcatacg agctcttccg atctgccgaa cacttctttc tgctttcttg 60

ac 62

<210> 1764
<211> 63
<212> DNA
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<220>
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oligonucleotide"

<400> 1764
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cct 63

<210> 1765
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1765

caagcagaag acggcatacg agctcttccg atctattcac agctgaaaga cctaacggaa 60

cgt 63

<210> 1766
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1766
caagcagaag acggcatacg agctcttccg atctattttc tgctgaattt cccaaagagg 60

gcc 63

<210> 1767
<211> 63
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1767
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ggg 63

<210> 1768
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1768
caagcagaag acggcatacg agctcttccg atctttcgat gatcaattct cagttgaaag 60

gcc 63

<210> 1769
<211> 63
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<220>
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<400> 1769
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aca 63

<210> 1770
<211> 62
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1770
caagcagaag acggcatacg agctcttccg atctgattct catctcaatg ccccaagaac 60

gc 62

<210> 1771
<211> 63
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<220>
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<400> 1771
caagcagaag acggcatacg agctcttccg atctatctct gatggataca gtgtctctcg 60

aca 63

<210> 1772
<211> 63
<212> DNA
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<220>
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<400> 1772
caagcagaag acggcatacg agctcttccg atcttttcct ctgagtcaac agtctccaga 60

ata 63

<210> 1773
<211> 63
<212> DNA
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oligonucleotide"

<400> 1773
caagcagaag acggcatacg agctcttccg atctctctga gaggtatcat gtttcttgaa 60

ata 63

<210> 1774
<211> 63
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1774
caagcagaag acggcatacg agctcttccg atcttcctga agggtacaaa gtctctcgaa 60

aag 63

<210> 1775
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1775
caagcagaag acggcatacg agctcttccg atcttcctga ggggtacagt gtctctagag 60

aga 63

<210> 1776
<211> 63
<212> DNA
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<220>
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<400> 1776
caagcagaag acggcatacg agctcttccg atctcatcag ccgcccaaac ctaacattct 60

caa 63

<210> 1777
<211> 63
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<400> 1777
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ata 63

<210> 1778
<211> 63
<212> DNA
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<220>
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<400> 1778
caagcagaag acggcatacg agctcttccg atctcctaaa tctccagaca aagctcactt 60

aaa 63

<210> 1779
<211> 62
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<400> 1779
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at 62

<210> 1780
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<400> 1780
caagcagaag acggcatacg agctcttccg atctgacccc aggaccggca gttcatcctg 60

agt 63

<210> 1781
<211> 63
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<400> 1781
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aac 63

<210> 1782
<211> 63
<212> DNA
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<220>
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oligonucleotide"

<400> 1782
caagcagaag acggcatacg agctcttccg atctctgaat gccccaacag ctctcactta 60

ttc 63

<210> 1783
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1783
caagcagaag acggcatacg agctcttccg atcttggtcg attctcaggg cgccagttct 60

cta 63

<210> 1784
<211> 63
<212> DNA
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oligonucleotide"

<400> 1784
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atg 63

<210> 1785
<211> 63
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oligonucleotide"

<400> 1785
caagcagaag acggcatacg agctcttccg atcttcctag attctcaggt ctccagttcc 60

cta 63

<210> 1786
<211> 64
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<220>
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oligonucleotide"

<400> 1786
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cagc 64

<210> 1787
<211> 63
<212> DNA
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oligonucleotide"

<400> 1787
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tca 63

<210> 1788
<211> 63
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oligonucleotide"

<400> 1788
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tcg 63

<210> 1789
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1789
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att 63

<210> 1790
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1790
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caa 63

<210> 1791
<211> 63
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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agc 63

<210> 1792
<211> 63
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1792
caagcagaag acggcatacg agctcttccg atctaaggag aagtccccaa tggctacaat 60

gtc 63

<210> 1793
<211> 64
<212> DNA
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<400> 1793
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caac 64

<210> 1794
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1794
caagcagaag acggcatacg agctcttccg atctgttccc aatggctaca atgtctccag 60

atc 63

<210> 1795
<211> 63
<212> DNA
<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1795
caagcagaag acggcatacg agctcttccg atctctctag attaaacaca gaggatttcc 60

cac 63

<210> 1796
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1796
caagcagaag acggcatacg agctcttccg atctaaggag aagtccccga tggctacaat 60

gta 63

<210> 1797
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1797
caagcagaag acggcatacg agctcttccg atcttccccg tgatcggttc tctgcacaga 60

ggt 63

<210> 1798
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1798
caagcagaag acggcatacg agctcttccg atctagtgat cgcttctctg cagagaggac 60

tgg 63

<210> 1799
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1799
caagcagaag acggcatacg agctcttccg atctggctgc ccaacgatcg gttctttgca 60

gt 62

<210> 1800
<211> 63
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1800
caagcagaag acggcatacg agctcttccg atctggcggc ccagtggtcg gttctctgca 60

gag 63

<210> 1801
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1801
caagcagaag acggcatacg agctcttccg atctatgatc ggttctctgc agagaggcct 60

gagg 64

<210> 1802
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1802
caagcagaag acggcatacg agctcttccg atctgctgcc cagtgatcgc ttctttgcag 60

aaa 63

<210> 1803
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1803
caagcagaag acggcatacg agctcttccg atctggttct ctgcagagag gcctaaggga 60

tct 63

<210> 1804
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<400> 1804
caagcagaag acggcatacg agctcttccg atctgttccc tgacttgcac tctgaactaa 60

ac 62

<210> 1805
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1805
gcctccctcg cgccatcaga gagtgtcctt ggttacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc agagtgtcct tggttactga 480

gcgggctggc aaggc 495

<210> 1806
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1806
gcctccctcg cgccatcaga gagtgtcacc tcttgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt gtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc agagtgtcac ctcttgctga 480

gcgggctggc aaggc 495

<210> 1807

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1807
gcctccctcg cgccatcaga gagtgtcctg attctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc agagtgtcct gattctctga 480

gcgggctggc aaggc 495

<210> 1808
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1808
gcctccctcg cgccatcaga gagtgtcagt accgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc agagtgtcag taccgactga 480

gcgggctggc aaggc 495

<210> 1809
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1809
gcctccctcg cgccatcaga gagtgtcatc catggcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc agagtgtcat ccatggctga 480

gcgggctggc aaggc 495

<210> 1810
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1810
gcctccctcg cgccatcaga gagtgtcgta gcagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc agagtgtcgt agcagtctga 480

gcgggctggc aaggc 495

<210> 1811
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1811
gcctccctcg cgccatcaga gagtgtcatc ttcgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc agagtgtcat cttcgtctga 480

gcgggctggc aaggc 495

<210> 1812
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1812
gcctccctcg cgccatcaga gagtgtctcc acagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc agagtgtctc cacagtctga 480

gcgggctggc aaggc 495

<210> 1813
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1813
gcctccctcg cgccatcaga gagtgtcagc tagtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc agagtgtcag ctagtgctga 480

gcgggctggc aaggc 495

<210> 1814
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1814
gcctccctcg cgccatcaga gagtgtctaa ccaagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc agagtgtcta accaagctga 480

gcgggctggc aaggc 495

<210> 1815
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1815
gcctccctcg cgccatcaga gagtgtccaa gaggtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc agagtgtcca agaggtctga 480

gcgggctggc aaggc 495

<210> 1816
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1816
gcctccctcg cgccatcaga gagtgtcagt tgacccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa agagtgtcag ttgaccctga 480

gcgggctggc aaggc 495

<210> 1817
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1817
gcctccctcg cgccatcaga gagtgtccag catatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa agagtgtcca gcatatctga 480

gcgggctggc aaggc 495

<210> 1818
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1818
gcctccctcg cgccatcaga gagtgtcgca ggattcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa agagtgtcgc aggattctga 480

gcgggctggc aaggc 495

<210> 1819
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1819
gcctccctcg cgccatcaga gagtgtcgtc attccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcgt ccattcctga 480

gcgggctggc aaggc 495

<210> 1820
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1820
gcctccctcg cgccatcaga gagtgtcgca taactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac agagtgtcgc ataactctga 480

gcgggctggc aaggc 495

<210> 1821
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1821
gcctccctcg cgccatcaga gagtgtcata tgctgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcat atgctgctga 480

gcgggctggc aaggc 495

<210> 1822
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1822
gcctccctcg cgccatcaga gagtgtcaat cctgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc agagtgtcaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 1823
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1823
gcctccctcg cgccatcaga gagtgtctga gacctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg agagtgtctg agacctctga 480

gcgggctggc aaggc 495

<210> 1824
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1824
gcctccctcg cgccatcaga gagtgtcgaa tggaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcga atggacctga 480

gcgggctggc aaggc 495

<210> 1825
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1825
gcctccctcg cgccatcaga gagtgtccac atggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcca catggactga 480

gcgggctggc aaggc 495

<210> 1826
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1826
gcctccctcg cgccatcaga gagtgtcttg accatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtctt gaccatctga 480

gcgggctggc aaggc 495

<210> 1827
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1827
gcctccctcg cgccatcaga gagtgtcaag ccatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc agagtgtcaa gccatcctga 480

gcgggctggc aaggc 495

<210> 1828
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1828
gcctccctcg cgccatcaga gagtgtctcc atgtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtctc catgtgctga 480

gcgggctggc aaggc 495

<210> 1829
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1829
gcctccctcg cgccatcaga gagtgtccaa gtcaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcca agtcacctga 480

gcgggctggc aaggc 495

<210> 1830

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1830
gcctccctcg cgccatcaga gagtgtcctg caatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcct gcaatcctga 480

gcgggctggc aaggc 495

<210> 1831
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1831
gcctccctcg cgccatcaga gagtgtcatc gacgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcat cgacgactga 480

gcgggctggc aaggc 495

<210> 1832
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1832
gcctccctcg cgccatcaga gagtgtcaca gactgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa agagtgtcac agactgctga 480

gcgggctggc aaggc 495

<210> 1833
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1833
gcctccctcg cgccatcaga gagtgtccct tatagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac agagtgtccc ttatagctga 480

gcgggctggc aaggc 495

<210> 1834
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1834
gcctccctcg cgccatcaga gagtgtctac gcgttcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcta cgcgttctga 480

gcgggctggc aaggc 495

<210> 1835
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1835
gcctccctcg cgccatcaga gagtgtccta taaggcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg agagtgtcct ataaggctga 480

gcgggctggc aaggc 495

<210> 1836
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1836
gcctccctcg cgccatcaga gagtgtctct tagtccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc agagtgtctc ttagtcctga 480

gcgggctggc aaggc 495

<210> 1837
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1837
gcctccctcg cgccatcaga gagtgtctgt ctgcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc agagtgtctg tctgcactga 480

gcgggctggc aaggc 495

<210> 1838
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1838
gcctccctcg cgccatcaga gagtgtcgcc attaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc agagtgtcgc cattaactga 480

gcgggctggc aaggc 495

<210> 1839
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1839
gcctccctcg cgccatcaga gagtgtcgac taagacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg agagtgtcga ctaagactga 480

gcgggctggc aaggc 495

<210> 1840
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1840
gcctccctcg cgccatcaga gagtgtcagg ttgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg agagtgtcag gttgctctga 480

gcgggctggc aaggc 495

<210> 1841
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1841
gcctccctcg cgccatcaga gagtgtcctc gagaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc agagtgtcct cgagaactga 480

gcgggctggc aaggc 495

<210> 1842
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1842
gcctccctcg cgccatcaga gagtgtctta atggccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtctt aatggcctga 480

gcgggctggc aaggc 495

<210> 1843
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1843
gcctccctcg cgccatcaga gagtgtctgc agacacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa agagtgtctg cagacactga 480

gcgggctggc aaggc 495

<210> 1844
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1844
gcctccctcg cgccatcaga gagtgtctca ctgagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt agagtgtctc actgagctga 480

gcgggctggc aaggc 495

<210> 1845
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1845
gcctccctcg cgccatcaga gagtgtcgag tacgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac agagtgtcga gtacgtctga 480

gcgggctggc aaggc 495

<210> 1846
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1846
gcctccctcg cgccatcaga gagtgtcata cgccacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac agagtgtcat acgccactga 480

gcgggctggc aaggc 495

<210> 1847
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1847
gcctccctcg cgccatcaga gagtgtctcg catcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac agagtgtctc gcatcactga 480

gcgggctggc aaggc 495

<210> 1848
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1848
gcctccctcg cgccatcaga gagtgtccgc ttaatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac agagtgtccg cttaatctga 480

gcgggctggc aaggc 495

<210> 1849
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1849
gcctccctcg cgccatcaga gagtgtctgg ttatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt agagtgtctg gttatcctga 480

gcgggctggc aaggc 495

<210> 1850
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1850
gcctccctcg cgccatcaga gagtgtcgga ttgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagcccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac agagtgtcgg attgctctga 480

gcgggctggc aaggc 495

<210> 1851
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1851
gcctccctcg cgccatcaga gagtgtcctc agtgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt agagtgtcct cagtgactga 480

gcgggctggc aaggc 495

<210> 1852
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1852
gcctccctcg cgccatcaga gagtgtcacg tactccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac agagtgtcac gtactcctga 480

gcgggctggc aaggc 495

<210> 1853

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1853
gcctccctcg cgccatcaga gagtgtctga tgcgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc agagtgtctg atgcgactga 480

gcgggctggc aaggc 495

<210> 1854
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1854
gcctccctcg cgccatcaga gagtgtcatt aagcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc agagtgtcat taagcgctga 480

gcgggctggc aaggc 495

<210> 1855
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1855
gcctccctcg cgccatcaga gagtgtcagc aatcccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc agagtgtcag caatccctga 480

gcgggctggc aaggc 495

<210> 1856
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1856
gcctccctcg cgccatcaga gagtgtcgct tagtacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga agagtgtcgc ttagtactga 480

gcgggctggc aaggc 495

<210> 1857
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1857
gcctccctcg cgccatcaga gagtgtctga ccttgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc agagtgtctg accttgctga 480

gcgggctggc aaggc 495

<210> 1858
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1858
gcctccctcg cgccatcaga gagtgtccaa ggtcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc agagtgtcca aggtcactga 480

gcgggctggc aaggc 495

<210> 1859
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1859
gcctccctcg cgccatcaga gagtgtccac tgtaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc agagtgtcca ctgtacctga 480

gcgggctggc aaggc 495

<210> 1860
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1860
gcctccctcg cgccatcaga gagtgtcgat gatcccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg agagtgtcga tgatccctga 480

gcgggctggc aaggc 495

<210> 1861
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1861
gcctccctcg cgccatcaga gagtgtccgc caatacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg agagtgtccg ccaatactga 480

gcgggctggc aaggc 495

<210> 1862
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1862
gcctccctcg cgccatcaga gagtgtctca agcctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca agagtgtctc aagcctctga 480

gcgggctggc aaggc 495

<210> 1863
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1863
gcctccctcg cgccatcaga gagtgtcacg tgtgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag agagtgtcac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 1864
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1864
gcctccctcg cgccatcaga gagtgtctcc gtctacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag agagtgtctc cgtctactga 480

gcgggctggc aaggc 495

<210> 1865
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1865
gcctccctcg cgccatcaga gagtgtcaag agctgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg agagtgtcaa gagctgctga 480

gcgggctggc aaggc 495

<210> 1866
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1866
gcctccctcg cgccatcaga gagtgtctat cgctccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag agagtgtcta tcgctcctga 480

gcgggctggc aaggc 495

<210> 1867
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1867
gcctccctcg cgccatcaga gagtgtctca gatgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc agagtgtctc agatgcctga 480

gcgggctggc aaggc 495

<210> 1868
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1868
gcctccctcg cgccatcaga gagtgtcgtg tagcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg agagtgtcgt gtagcactga 480

gcgggctggc aaggc 495

<210> 1869
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1869
gcctccctcg cgccatcaga gagtgtctgg cagttcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg agagtgtctg gcagttctga 480

gcgggctggc aaggc 495

<210> 1870
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1870
gcctccctcg cgccatcaga gagtgtccag tccaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac agagtgtcca gtccaactga 480

gcgggctggc aaggc 495

<210> 1871
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1871
gcctccctcg cgccatcaga gagtgtcgtg tctaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg agagtgtcgt gtctacctga 480

gcgggctggc aaggc 495

<210> 1872
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1872
gcctccctcg cgccatcaga gagtgtcgta cagtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag agagtgtcgt acagtgctga 480

gcgggctggc aaggc 495

<210> 1873
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1873
gcctccctcg cgccatcaga gagtgtcgga tcatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag agagtgtcgg atcatcctga 480

gcgggctggc aaggc 495

<210> 1874
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1874
gcctccctcg cgccatcaga gagtgtctat tggcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca agagtgtcta ttggcgctga 480

gcgggctggc aaggc 495

<210> 1875
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1875
gcctccctcg cgccatcaga gagtgtcagg cttgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac agagtgtcag gcttgactga 480

gcgggctggc aaggc 495

<210> 1876

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1876
gcctccctcg cgccatcaga gagtgtcaca cacgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat agagtgtcac acacgtctga 480

gcgggctggc aaggc 495

<210> 1877
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1877
gcctccctcg cgccatcaga gagtgtctag acggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga agagtgtcta gacggactga 480

gcgggctggc aaggc 495

<210> 1878
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1878
gcctccctcg cgccatcaga gagtgtcgag cgatacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt agagtgtcga gcgatactga 480

gcgggctggc aaggc 495

<210> 1879
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1879
gcctccctcg cgccatcaga gagtgtcgca tctgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca agagtgtcgc atctgactga 480

gcgggctggc aaggc 495

<210> 1880
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1880
gcctccctcg cgccatcaga gagtgtctgc tacaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg agagtgtctg ctacacctga 480

gcgggctggc aaggc 495

<210> 1881
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1881
gcctccctcg cgccatcaga gagtgtcaac tgccacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt agagtgtcaa ctgccactga 480

gcgggctggc aaggc 495

<210> 1882
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1882
gcctccctcg cgccatcaga gagtgtcttg gactgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg agagtgtctt ggactgctga 480

gcgggctggc aaggc 495

<210> 1883
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1883
gcctccctcg cgccatcaga gagtgtctcg gtactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg agagtgtctc ggtactctga 480

gcgggctggc aaggc 495

<210> 1884
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1884
gcctccctcg cgccatcaga gagtgtccca tggatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac agagtgtccc atggatctga 480

gcgggctggc aaggc 495

<210> 1885
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1885
gcctccctcg cgccatcaga gagtgtcacg aagatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa agagtgtcac gaagatctga 480

gcgggctggc aaggc 495

<210> 1886
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1886
gcctccctcg cgccatcaga gagtgtcact gtggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt agagtgtcac tgtggactga 480

gcgggctggc aaggc 495

<210> 1887
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1887
gcctccctcg cgccatcaga gagtgtcggt gtcatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gtgtcattca agtaatacat ggccttctcc 180

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tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct agagtgtcgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 1888
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1888
gcctccctcg cgccatcaga gagtgtctcg tgaagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg agagtgtctc gtgaagctga 480

gcgggctggc aaggc 495

<210> 1889
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1889
gcctccctcg cgccatcaga gagtgtccac tagctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa agagtgtcca ctagctctga 480

gcgggctggc aaggc 495

<210> 1890
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1890
gcctccctcg cgccatcaga gagtgtcggt caactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga agagtgtcgg tcaactctga 480

gcgggctggc aaggc 495

<210> 1891
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1891
gcctccctcg cgccatcaga gagtgtctac gtacgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc agagtgtcta cgtacgctga 480

gcgggctggc aaggc 495

<210> 1892
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1892
gcctccctcg cgccatcaga gagtgtcatg acacccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg agagtgtcat gacaccctga 480

gcgggctggc aaggc 495

<210> 1893
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1893
gcctccctcg cgccatcaga gagtgtcctt cacgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac agagtgtcct tcacgactga 480

gcgggctggc aaggc 495

<210> 1894
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1894
gcctccctcg cgccatcaga gagtgtcaga atcagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

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gcgggctggc aaggc 495

<210> 1895
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1895
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cagtgctgga agtatgtcga cagagtgtca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

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gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

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gcgggctggc aaggc 495

<210> 1896
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1896
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cagtgctgga agtatgtcga cagagtgtca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

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gcgggctggc aaggc 495

<210> 1897
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1897
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cagtgctgga agtatgtcga cagagtgtcg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

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cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

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gcgggctggc aaggc 495

<210> 1898
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1898
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cagtgctgga agtatgtcga cagagtgtcg tgacttgtca acagtaatac acggccgtgt 180

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gcgggctggc aaggc 495

<210> 1899

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1899
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cagtgctgga agtatgtcga cagagtgtcg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

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ctcccccaga ctccaccagc tgcatctcac actggatacc agagtgtcga ttgcagctga 480

gcgggctggc aaggc 495

<210> 1900
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1900
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cagtgctgga agtatgtcga cagagtgtca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

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tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

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gcgggctggc aaggc 495

<210> 1901
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1901
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cagtgctgga agtatgtcga cagagtgtca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

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gcgggctggc aaggc 495

<210> 1902
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1902
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cagtgctgga agtatgtcga cagagtgtcg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

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tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

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gcgggctggc aaggc 495

<210> 1903
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1903
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cagtgctgga agtatgtcga cagagtgtca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac agagtgtcag catatgctga 480

gcgggctggc aaggc 495

<210> 1904
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1904
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cagtgctgga agtatgtcga cagagtgtcc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg agagtgtcca tatgctctga 480

gcgggctggc aaggc 495

<210> 1905
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1905
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cagtgctgga agtatgtcga cagagtgtct cgtcgattca acacagccga gtcctcatct 180

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ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

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ctcccccaga ctctaccagc tgcacctcat actgcacacc agagtgtctc gtcgatctga 480

gcgggctggc aaggc 495

<210> 1906
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1906
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cagtgctgga agtatgtcga cagagtgtcc agtctgttca agtaatacat ggccgtgtcc 180

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tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc agagtgtcca gtctgtctga 480

gcgggctggc aaggc 495

<210> 1907
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1907
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cagtgctgga agtatgtcga cagagtgtca acgcgtatca gtacagtaat agatggccgt 180

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gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg agagtgtcaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 1908
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1908
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cagtgctgga agtatgtcga cagagtgtcg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

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atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

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ccccagactc caccagctga tcctcacact ggacacctgc agagtgtcgt agttcgctga 480

gcgggctggc aaggc 495

<210> 1909
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1909
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cagtgctgga agtatgtcga cagagtgtcc gaactactca tgactcaata atacagagcc 180

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actctcccca agactccacc atctgcaccc cacactagac agagtgtccg aactacctga 480

gcgggctggc aaggc 495

<210> 1910
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1910
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cagtgctgga agtatgtcga cagagtgtct taacgtctca acagtaatac acggtcatgt 180

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tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc agagtgtctt aacgtcctga 480

gcgggctggc aaggc 495

<210> 1911
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1911
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cagtgctgga agtatgtcga cagagtgtca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac agagtgtcag caacctctga 480

gcgggctggc aaggc 495

<210> 1912
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1912
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gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

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gcgggctggc aaggc 495

<210> 1913
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1913
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cagtgctgga agtatgtcga cagagtgtca ctctacgtca acacagtaat acacagccat 180

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actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac agagtgtcac tctacgctga 480

gcgggctggc aaggc 495

<210> 1914
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1914
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gcgggctggc aaggc 495

<210> 1915
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1915
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gcgggctggc aaggc 495

<210> 1916
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1916
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cagtgctgga agtatgtcga cagagtgtct tcgctcatca gtatagtaat acacggccgt 180

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gcgggctggc aaggc 495

<210> 1917
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1917
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gcgggctggc aaggc 495

<210> 1918
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1918
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cagtgctgga agtatgtcga cagagtgtcc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc agagtgtccg tagagtctga 480

gcgggctggc aaggc 495

<210> 1919
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1919
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cagtgctgga agtatgtcga cagagtgtct tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

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gcgggctggc aaggc 495

<210> 1920
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1920
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cagtgctgga agtatgtcga cagagtgtcg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac agagtgtcgc aattcgctga 480

gcgggctggc aaggc 495

<210> 1921
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1921
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tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

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aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

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gcgggctggc aaggc 495

<210> 1922

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1922
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cagtgctgga agtatgtcga cagagtgtct actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

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caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

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gcgggctggc aaggc 495

<210> 1923
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1923
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cagtgctgga agtatgtcga cagagtgtct ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt agagtgtctg gcgtatctga 480

gcgggctggc aaggc 495

<210> 1924
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1924
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cagtgctgga agtatgtcga cagagtgtcg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg agagtgtcga taaccactga 480

gcgggctggc aaggc 495

<210> 1925
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1925
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cagtgctgga agtatgtcga cagagtgtcc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag agagtgtcct agtgaactga 480

gcgggctggc aaggc 495

<210> 1926
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1926
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cagtgctgga agtatgtcga cagagtgtca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

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gcgggctggc aaggc 495

<210> 1927
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1927
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cagtgctgga agtatgtcga cagagtgtca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcaagagtgt 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 1928
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1928
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ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc attgagttca acacagtaat aaatggctgc 180

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gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc agagtgtcca ttgagtctga 480

gcgggctggc aaggc 495

<210> 1929
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1929
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agagatcgaa gtaccgtcga cgttccgaac ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gttccgaact tggttactga 480

gcgggctggc aaggc 495

<210> 1930
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1930
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ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cctcttgtca acagtaatac acagccatgt 180

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tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gttccgaaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 1931
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1931
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agagatcgaa gtaccgtcga cgttccgaac tgattcttca acagtaatac acggccgtgt 180

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tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gttccgaact gattctctga 480

gcgggctggc aaggc 495

<210> 1932
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1932
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gcgggctggc aaggc 495

<210> 1933
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1933
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gcgggctggc aaggc 495

<210> 1934
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1934
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gcgggctggc aaggc 495

<210> 1935
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1935
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agagatcgaa gtaccgtcga cgttccgaaa tcttcgttca acagtaatac acggccgtgt 180

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gcgggctggc aaggc 495

<210> 1936
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1936
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gcgggctggc aaggc 495

<210> 1937
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1937
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gcgggctggc aaggc 495

<210> 1938
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gcgggctggc aaggc 495

<210> 1939
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1939
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tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

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gcgggctggc aaggc 495

<210> 1940
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1940
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agagatcgaa gtaccgtcga cgttccgaaa gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

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gcgggctggc aaggc 495

<210> 1941
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1941
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gcgggctggc aaggc 495

<210> 1942
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1942
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tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

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gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

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gcgggctggc aaggc 495

<210> 1943
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1943
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cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

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gcgggctggc aaggc 495

<210> 1944
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1944
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tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

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gcgggctggc aaggc 495

<210> 1945
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1945
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cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

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atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

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gcgggctggc aaggc 495

<210> 1946
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1946
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aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gttccgaaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 1947
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1947
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agagatcgaa gtaccgtcga cgttccgaat gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

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cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gttccgaatg agacctctga 480

gcgggctggc aaggc 495

<210> 1948
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1948
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agagatcgaa gtaccgtcga cgttccgaag aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaga atggacctga 480

gcgggctggc aaggc 495

<210> 1949
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1949
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agagatcgaa gtaccgtcga cgttccgaac acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaca catggactga 480

gcgggctggc aaggc 495

<210> 1950
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1950
gcctccctcg cgccatcagg ttccgaattg accattggcc tggtgcctgg acagagaaga 60

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tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaatt gaccatctga 480

gcgggctggc aaggc 495

<210> 1951
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1951
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cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gttccgaaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 1952
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1952
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tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaatc catgtgctga 480

gcgggctggc aaggc 495

<210> 1953
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1953
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agagatcgaa gtaccgtcga cgttccgaac aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaaca agtcacctga 480

gcgggctggc aaggc 495

<210> 1954
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1954
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agagatcgaa gtaccgtcga cgttccgaac tgcaatctca acagtaatac acagccgtgt 180

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tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaact gcaatcctga 480

gcgggctggc aaggc 495

<210> 1955
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1955
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ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaat cgacgactga 480

gcgggctggc aaggc 495

<210> 1956
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1956
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gcgggctggc aaggc 495

<210> 1957
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1957
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catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gttccgaacc ttatagctga 480

gcgggctggc aaggc 495

<210> 1958
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1958
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ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaata cgcgttctga 480

gcgggctggc aaggc 495

<210> 1959
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1959
gcctccctcg cgccatcagg ttccgaacta taaggtggcc tggtgcctgg acagagaaga 60

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aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gttccgaact ataaggctga 480

gcgggctggc aaggc 495

<210> 1960
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1960
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cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

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gcgggctggc aaggc 495

<210> 1961
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1961
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cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

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ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gttccgaatg tctgcactga 480

gcgggctggc aaggc 495

<210> 1962
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1962
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cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

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cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gttccgaagc cattaactga 480

gcgggctggc aaggc 495

<210> 1963
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1963
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agagatcgaa gtaccgtcga cgttccgaag actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

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ccaagcctcc cccagactcc accagctgca cctcacactg gttccgaaga ctaagactga 480

gcgggctggc aaggc 495

<210> 1964
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 1964
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<210> 1965
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<210> 1966
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1967
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1968
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<210> 1969
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<220>
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<210> 1970
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<210> 1971
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1974
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<210> 1975
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<210> 1976
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<210> 1977
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<210> 1978
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<210> 1979
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<210> 1980
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<210> 1981
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<210> 1982
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<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1983
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1984
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 1985
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<210> 1986
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<210> 1987
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1988
<211> 495
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 1989
<211> 495
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1989
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atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

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gcgggctggc aaggc 495

<210> 1990
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1990
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<210> 1991
<211> 495
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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gcgggctggc aaggc 495

<210> 1992
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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gcgggctggc aaggc 495

<210> 1993
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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gcgggctggc aaggc 495

<210> 1994
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1994
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<210> 1995
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1995
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ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

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gcgggctggc aaggc 495

<210> 1996
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1996
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gcgggctggc aaggc 495

<210> 1997
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 1997
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gcgggctggc aaggc 495

<210> 1998
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<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1998
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ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

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gcgggctggc aaggc 495

<210> 1999
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 1999
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gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

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gcgggctggc aaggc 495

<210> 2000
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2000
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gcgggctggc aaggc 495

<210> 2001
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2001
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gcgggctggc aaggc 495

<210> 2002
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2002
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gcgggctggc aaggc 495

<210> 2003
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2003
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<210> 2004
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2004
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gcgggctggc aaggc 495

<210> 2005
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2005
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<210> 2006
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2006
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<210> 2007
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<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 2007
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<210> 2008
<211> 495
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2009
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 2009
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<210> 2010
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<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 2010
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<210> 2011
<211> 495
<212> DNA
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2012
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 2014
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2015
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2016
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2017
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2018
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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gcgggctggc aaggc 495

<210> 2019
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<212> DNA
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

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gcgggctggc aaggc 495

<210> 2020
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gcgggctggc aaggc 495

<210> 2021
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<212> DNA
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<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2022
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2023
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<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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gcgggctggc aaggc 495

<210> 2024
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gcgggctggc aaggc 495

<210> 2025
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<212> DNA
<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2025
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<210> 2026
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 2027
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<220>
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<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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gcgggctggc aaggc 495

<210> 2028
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2028
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<210> 2029
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<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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<210> 2030
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<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2031
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<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

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<210> 2032
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<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
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<210> 2033
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<223> /note="Description of Artificial Sequence: Synthetic
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agagatcgaa gtaccgtcga cgttccgaac gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gttccgaacg aactacctga 480

gcgggctggc aaggc 495

<210> 2034
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2034
gcctccctcg cgccatcagg ttccgaatta acgtctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gttccgaatt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2035
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2035
gcctccctcg cgccatcagg ttccgaaagc aaccttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gttccgaaag caacctctga 480

gcgggctggc aaggc 495

<210> 2036
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2036
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ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gttccgaatt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2037
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2037
gcctccctcg cgccatcagg ttccgaaact ctacgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gttccgaaac tctacgctga 480

gcgggctggc aaggc 495

<210> 2038
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2038
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ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gttccgaata ccggaactga 480

gcgggctggc aaggc 495

<210> 2039
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2039
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ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gttccgaacg aattgcctga 480

gcgggctggc aaggc 495

<210> 2040
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2040
gcctccctcg cgccatcagg ttccgaattc gctcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gttccgaatt cgctcactga 480

gcgggctggc aaggc 495

<210> 2041
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2041
gcctccctcg cgccatcagg ttccgaagac gttaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gttccgaaga cgttaactga 480

gcgggctggc aaggc 495

<210> 2042
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2042
gcctccctcg cgccatcagg ttccgaacgt agagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gttccgaacg tagagtctga 480

gcgggctggc aaggc 495

<210> 2043
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2043
gcctccctcg cgccatcagg ttccgaattc cggtatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gttccgaatt ccggtactga 480

gcgggctggc aaggc 495

<210> 2044
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2044
gcctccctcg cgccatcagg ttccgaagca attcgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gttccgaagc aattcgctga 480

gcgggctggc aaggc 495

<210> 2045
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2045
gcctccctcg cgccatcagg ttccgaatga gcgaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gttccgaatg agcgaactga 480

gcgggctggc aaggc 495

<210> 2046
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2046
gcctccctcg cgccatcagg ttccgaatac taagctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gttccgaata ctaagcctga 480

gcgggctggc aaggc 495

<210> 2047
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2047
gcctccctcg cgccatcagg ttccgaatgg cgtattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gttccgaatg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2048
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2048
gcctccctcg cgccatcagg ttccgaagat aaccatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gttccgaaga taaccactga 480

gcgggctggc aaggc 495

<210> 2049
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2049
gcctccctcg cgccatcagg ttccgaacta gtgaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gttccgaact agtgaactga 480

gcgggctggc aaggc 495

<210> 2050
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2050
gcctccctcg cgccatcagg ttccgaaacg ttcactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gttccgaaac gttcacctga 480

gcgggctggc aaggc 495

<210> 2051
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2051
gcctccctcg cgccatcagg ttccgaaatt acgcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagttccga 420

aattacgctc tgagcgggct ggcaaggc 448

<210> 2052
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2052
gcctccctcg cgccatcagg ttccgaacat tgagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gttccgaaca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2053
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2053
gcctccctcg cgccatcagc gttacttctt ggttaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc cgttacttct tggttactga 480

gcgggctggc aaggc 495

<210> 2054
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2054
gcctccctcg cgccatcagc gttacttacc tcttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt gtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc cgttacttac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2055
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2055
gcctccctcg cgccatcagc gttacttctg attctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc cgttacttct gattctctga 480

gcgggctggc aaggc 495

<210> 2056
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2056
gcctccctcg cgccatcagc gttacttagt accgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc cgttacttag taccgactga 480

gcgggctggc aaggc 495

<210> 2057
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2057
gcctccctcg cgccatcagc gttacttatc catggccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc cgttacttat ccatggctga 480

gcgggctggc aaggc 495

<210> 2058
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2058
gcctccctcg cgccatcagc gttacttgta gcagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc cgttacttgt agcagtctga 480

gcgggctggc aaggc 495

<210> 2059
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2059
gcctccctcg cgccatcagc gttacttatc ttcgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc cgttacttat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2060
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2060
gcctccctcg cgccatcagc gttactttcc acagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc cgttactttc cacagtctga 480

gcgggctggc aaggc 495

<210> 2061
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2061
gcctccctcg cgccatcagc gttacttagc tagtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc cgttacttag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2062
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2062
gcctccctcg cgccatcagc gttactttaa ccaagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc cgttacttta accaagctga 480

gcgggctggc aaggc 495

<210> 2063
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2063
gcctccctcg cgccatcagc gttacttcaa gaggtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc cgttacttca agaggtctga 480

gcgggctggc aaggc 495

<210> 2064
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2064
gcctccctcg cgccatcagc gttacttagt tgaccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa cgttacttag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2065
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2065
gcctccctcg cgccatcagc gttacttcag catatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa cgttacttca gcatatctga 480

gcgggctggc aaggc 495

<210> 2066
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2066
gcctccctcg cgccatcagc gttacttgca ggattccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa cgttacttgc aggattctga 480

gcgggctggc aaggc 495

<210> 2067
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2067
gcctccctcg cgccatcagc gttacttgtc cattcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttgt ccattcctga 480

gcgggctggc aaggc 495

<210> 2068
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2068
gcctccctcg cgccatcagc gttacttgca taactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac cgttacttgc ataactctga 480

gcgggctggc aaggc 495

<210> 2069
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2069

gcctccctcg cgccatcagc gttacttata tgctgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttat atgctgctga 480

gcgggctggc aaggc 495

<210> 2070
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2070
gcctccctcg cgccatcagc gttacttaat cctgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttacttaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2071
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2071
gcctccctcg cgccatcagc gttactttga gacctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg cgttactttg agacctctga 480

gcgggctggc aaggc 495

<210> 2072
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2072
gcctccctcg cgccatcagc gttacttgaa tggacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttga atggacctga 480

gcgggctggc aaggc 495

<210> 2073
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2073
gcctccctcg cgccatcagc gttacttcac atggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttca catggactga 480

gcgggctggc aaggc 495

<210> 2074
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2074
gcctccctcg cgccatcagc gttacttttg accatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttactttt gaccatctga 480

gcgggctggc aaggc 495

<210> 2075
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2075
gcctccctcg cgccatcagc gttacttaag ccatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc cgttacttaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2076
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2076
gcctccctcg cgccatcagc gttactttcc atgtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttactttc catgtgctga 480

gcgggctggc aaggc 495

<210> 2077
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2077
gcctccctcg cgccatcagc gttacttcaa gtcacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttca agtcacctga 480

gcgggctggc aaggc 495

<210> 2078
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2078
gcctccctcg cgccatcagc gttacttctg caatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2079
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2079
gcctccctcg cgccatcagc gttacttatc gacgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttat cgacgactga 480

gcgggctggc aaggc 495

<210> 2080
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2080
gcctccctcg cgccatcagc gttacttaca gactgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa cgttacttac agactgctga 480

gcgggctggc aaggc 495

<210> 2081
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2081
gcctccctcg cgccatcagc gttacttcct atagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac cgttacttcc ttatagctga 480

gcgggctggc aaggc 495

<210> 2082
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2082
gcctccctcg cgccatcagc gttactttac gcgttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2083
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2083
gcctccctcg cgccatcagc gttacttcta taaggccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg cgttacttct ataaggctga 480

gcgggctggc aaggc 495

<210> 2084
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2084
gcctccctcg cgccatcagc gttactttct tagtcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc cgttactttc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2085
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2085
gcctccctcg cgccatcagc gttactttgt ctgcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc cgttactttg tctgcactga 480

gcgggctggc aaggc 495

<210> 2086
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2086
gcctccctcg cgccatcagc gttacttgcc attaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc cgttacttgc cattaactga 480

gcgggctggc aaggc 495

<210> 2087
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2087
gcctccctcg cgccatcagc gttacttgac taagaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg cgttacttga ctaagactga 480

gcgggctggc aaggc 495

<210> 2088
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2088
gcctccctcg cgccatcagc gttacttagg ttgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg cgttacttag gttgctctga 480

gcgggctggc aaggc 495

<210> 2089
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2089
gcctccctcg cgccatcagc gttacttctc gagaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc cgttacttct cgagaactga 480

gcgggctggc aaggc 495

<210> 2090
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2090
gcctccctcg cgccatcagc gttactttta atggcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttactttt aatggcctga 480

gcgggctggc aaggc 495

<210> 2091
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2091
gcctccctcg cgccatcagc gttactttgc agacaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa cgttactttg cagacactga 480

gcgggctggc aaggc 495

<210> 2092
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2092

gcctccctcg cgccatcagc gttactttca ctgagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt cgttactttc actgagctga 480

gcgggctggc aaggc 495

<210> 2093
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2093
gcctccctcg cgccatcagc gttacttgag tacgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac cgttacttga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2094
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2094
gcctccctcg cgccatcagc gttacttata cgccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac cgttacttat acgccactga 480

gcgggctggc aaggc 495

<210> 2095
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2095
gcctccctcg cgccatcagc gttactttcg catcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac cgttactttc gcatcactga 480

gcgggctggc aaggc 495

<210> 2096
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2096
gcctccctcg cgccatcagc gttacttcgc ttaatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac cgttacttcg cttaatctga 480

gcgggctggc aaggc 495

<210> 2097
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2097
gcctccctcg cgccatcagc gttactttgg ttatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt cgttactttg gttatcctga 480

gcgggctggc aaggc 495

<210> 2098
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2098
gcctccctcg cgccatcagc gttacttgga ttgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagcccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac cgttacttgg attgctctga 480

gcgggctggc aaggc 495

<210> 2099
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2099
gcctccctcg cgccatcagc gttacttctc agtgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt cgttacttct cagtgactga 480

gcgggctggc aaggc 495

<210> 2100
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2100
gcctccctcg cgccatcagc gttacttacg tactcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac cgttacttac gtactcctga 480

gcgggctggc aaggc 495

<210> 2101
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2101
gcctccctcg cgccatcagc gttactttga tgcgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc cgttactttg atgcgactga 480

gcgggctggc aaggc 495

<210> 2102
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2102
gcctccctcg cgccatcagc gttacttatt aagcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc cgttacttat taagcgctga 480

gcgggctggc aaggc 495

<210> 2103
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2103
gcctccctcg cgccatcagc gttacttagc aatccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc cgttacttag caatccctga 480

gcgggctggc aaggc 495

<210> 2104
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2104
gcctccctcg cgccatcagc gttacttgct tagtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga cgttacttgc ttagtactga 480

gcgggctggc aaggc 495

<210> 2105
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2105
gcctccctcg cgccatcagc gttactttga ccttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc cgttactttg accttgctga 480

gcgggctggc aaggc 495

<210> 2106
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2106
gcctccctcg cgccatcagc gttacttcaa ggtcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc cgttacttca aggtcactga 480

gcgggctggc aaggc 495

<210> 2107
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2107
gcctccctcg cgccatcagc gttacttcac tgtacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc cgttacttca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2108
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2108
gcctccctcg cgccatcagc gttacttgat gatccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg cgttacttga tgatccctga 480

gcgggctggc aaggc 495

<210> 2109
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2109
gcctccctcg cgccatcagc gttacttcgc caataccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg cgttacttcg ccaatactga 480

gcgggctggc aaggc 495

<210> 2110
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2110
gcctccctcg cgccatcagc gttactttca agcctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca cgttactttc aagcctctga 480

gcgggctggc aaggc 495

<210> 2111
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2111
gcctccctcg cgccatcagc gttacttacg tgtgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag cgttacttac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2112
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2112
gcctccctcg cgccatcagc gttactttcc gtctaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag cgttactttc cgtctactga 480

gcgggctggc aaggc 495

<210> 2113
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2113
gcctccctcg cgccatcagc gttacttaag agctgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg cgttacttaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2114
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2114
gcctccctcg cgccatcagc gttactttat cgctcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag cgttacttta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2115
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2115

gcctccctcg cgccatcagc gttactttca gatgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc cgttactttc agatgcctga 480

gcgggctggc aaggc 495

<210> 2116
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2116
gcctccctcg cgccatcagc gttacttgtg tagcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg cgttacttgt gtagcactga 480

gcgggctggc aaggc 495

<210> 2117
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2117
gcctccctcg cgccatcagc gttactttgg cagttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg cgttactttg gcagttctga 480

gcgggctggc aaggc 495

<210> 2118
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2118
gcctccctcg cgccatcagc gttacttcag tccaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac cgttacttca gtccaactga 480

gcgggctggc aaggc 495

<210> 2119
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2119
gcctccctcg cgccatcagc gttacttgtg tctacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg cgttacttgt gtctacctga 480

gcgggctggc aaggc 495

<210> 2120
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2120
gcctccctcg cgccatcagc gttacttgta cagtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag cgttacttgt acagtgctga 480

gcgggctggc aaggc 495

<210> 2121
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2121
gcctccctcg cgccatcagc gttacttgga tcatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag cgttacttgg atcatcctga 480

gcgggctggc aaggc 495

<210> 2122
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2122
gcctccctcg cgccatcagc gttactttat tggcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca cgttacttta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2123
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2123
gcctccctcg cgccatcagc gttacttagg cttgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac cgttacttag gcttgactga 480

gcgggctggc aaggc 495

<210> 2124
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2124
gcctccctcg cgccatcagc gttacttaca cacgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat cgttacttac acacgtctga 480

gcgggctggc aaggc 495

<210> 2125
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2125
gcctccctcg cgccatcagc gttactttag acggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga cgttacttta gacggactga 480

gcgggctggc aaggc 495

<210> 2126
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2126
gcctccctcg cgccatcagc gttacttgag cgataccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt cgttacttga gcgatactga 480

gcgggctggc aaggc 495

<210> 2127
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2127
gcctccctcg cgccatcagc gttacttgca tctgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca cgttacttgc atctgactga 480

gcgggctggc aaggc 495

<210> 2128
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2128
gcctccctcg cgccatcagc gttactttgc tacacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg cgttactttg ctacacctga 480

gcgggctggc aaggc 495

<210> 2129
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2129
gcctccctcg cgccatcagc gttacttaac tgccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt cgttacttaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2130
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2130
gcctccctcg cgccatcagc gttacttttg gactgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg cgttactttt ggactgctga 480

gcgggctggc aaggc 495

<210> 2131
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2131
gcctccctcg cgccatcagc gttactttcg gtactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg cgttactttc ggtactctga 480

gcgggctggc aaggc 495

<210> 2132
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2132
gcctccctcg cgccatcagc gttacttcca tggatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac cgttacttcc atggatctga 480

gcgggctggc aaggc 495

<210> 2133
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2133
gcctccctcg cgccatcagc gttacttacg aagatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa cgttacttac gaagatctga 480

gcgggctggc aaggc 495

<210> 2134
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2134
gcctccctcg cgccatcagc gttacttact gtggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt cgttacttac tgtggactga 480

gcgggctggc aaggc 495

<210> 2135
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2135
gcctccctcg cgccatcagc gttacttggt gtcatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct cgttacttgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2136
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2136
gcctccctcg cgccatcagc gttactttcg tgaagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg cgttactttc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2137
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2137
gcctccctcg cgccatcagc gttacttcac tagctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa cgttacttca ctagctctga 480

gcgggctggc aaggc 495

<210> 2138
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2138

gcctccctcg cgccatcagc gttacttggt caactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga cgttacttgg tcaactctga 480

gcgggctggc aaggc 495

<210> 2139
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2139
gcctccctcg cgccatcagc gttactttac gtacgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc cgttacttta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2140
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2140
gcctccctcg cgccatcagc gttacttatg acaccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg cgttacttat gacaccctga 480

gcgggctggc aaggc 495

<210> 2141
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2141
gcctccctcg cgccatcagc gttacttctt cacgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac cgttacttct tcacgactga 480

gcgggctggc aaggc 495

<210> 2142
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2142
gcctccctcg cgccatcagc gttacttaga atcagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc cgttacttag aatcagctga 480

gcgggctggc aaggc 495

<210> 2143
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2143
gcctccctcg cgccatcagc gttacttagt tatgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa cgttacttag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2144
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2144
gcctccctcg cgccatcagc gttacttagg tctcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc cgttacttag gtctcactga 480

gcgggctggc aaggc 495

<210> 2145
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2145
gcctccctcg cgccatcagc gttacttgtc atagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

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gcgggctggc aaggc 495

<210> 2146
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2146
gcctccctcg cgccatcagc gttacttgtg acttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

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gcgggctggc aaggc 495

<210> 2147
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2147
gcctccctcg cgccatcagc gttacttgat tgcagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

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gcgggctggc aaggc 495

<210> 2148
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2148
gcctccctcg cgccatcagc gttacttact atgacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac cgttacttac tatgacctga 480

gcgggctggc aaggc 495

<210> 2149
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2149
gcctccctcg cgccatcagc gttacttatg gtcaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac cgttacttat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2150
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2150
gcctccctcg cgccatcagc gttacttgat ggcttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac cgttacttga tggcttctga 480

gcgggctggc aaggc 495

<210> 2151
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2151
gcctccctcg cgccatcagc gttacttagc atatgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac cgttacttag catatgctga 480

gcgggctggc aaggc 495

<210> 2152
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2152
gcctccctcg cgccatcagc gttacttcat atgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg cgttacttca tatgctctga 480

gcgggctggc aaggc 495

<210> 2153
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2153
gcctccctcg cgccatcagc gttactttcg tcgatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc cgttactttc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2154
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2154
gcctccctcg cgccatcagc gttacttcag tctgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttacttca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2155
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2155
gcctccctcg cgccatcagc gttacttaac gcgtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg cgttacttaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2156
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2156
gcctccctcg cgccatcagc gttacttgta gttcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc cgttacttgt agttcgctga 480

gcgggctggc aaggc 495

<210> 2157
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2157
gcctccctcg cgccatcagc gttacttcga actacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac cgttacttcg aactacctga 480

gcgggctggc aaggc 495

<210> 2158
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2158
gcctccctcg cgccatcagc gttactttta acgtcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc cgttactttt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2159
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2159
gcctccctcg cgccatcagc gttacttagc aacctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac cgttacttag caacctctga 480

gcgggctggc aaggc 495

<210> 2160
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2160
gcctccctcg cgccatcagc gttacttttc tcgagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt cgttactttt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2161
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2161

gcctccctcg cgccatcagc gttacttact ctacgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac cgttacttac tctacgctga 480

gcgggctggc aaggc 495

<210> 2162
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2162
gcctccctcg cgccatcagc gttactttac cggaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc cgttacttta ccggaactga 480

gcgggctggc aaggc 495

<210> 2163
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2163
gcctccctcg cgccatcagc gttacttcga attgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac cgttacttcg aattgcctga 480

gcgggctggc aaggc 495

<210> 2164
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2164
gcctccctcg cgccatcagc gttacttttc gctcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca cgttactttt cgctcactga 480

gcgggctggc aaggc 495

<210> 2165
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2165
gcctccctcg cgccatcagc gttacttgac gttaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg cgttacttga cgttaactga 480

gcgggctggc aaggc 495

<210> 2166
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2166
gcctccctcg cgccatcagc gttacttcgt agagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc cgttacttcg tagagtctga 480

gcgggctggc aaggc 495

<210> 2167
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2167
gcctccctcg cgccatcagc gttacttttc cggtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc cgttactttt ccggtactga 480

gcgggctggc aaggc 495

<210> 2168
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2168
gcctccctcg cgccatcagc gttacttgca attcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac cgttacttgc aattcgctga 480

gcgggctggc aaggc 495

<210> 2169
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2169
gcctccctcg cgccatcagc gttactttga gcgaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttactttg agcgaactga 480

gcgggctggc aaggc 495

<210> 2170
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2170
gcctccctcg cgccatcagc gttactttac taagcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc agccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc cgttacttta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2171
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2171
gcctccctcg cgccatcagc gttactttgg cgtatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc agccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt cgttactttg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2172
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2172
gcctccctcg cgccatcagc gttacttgat aaccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg cgttacttga taaccactga 480

gcgggctggc aaggc 495

<210> 2173
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2173
gcctccctcg cgccatcagc gttacttcta gtgaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag cgttacttct agtgaactga 480

gcgggctggc aaggc 495

<210> 2174
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2174
gcctccctcg cgccatcagc gttacttacg ttcacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt cgttacttac gttcacctga 480

gcgggctggc aaggc 495

<210> 2175
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2175
gcctccctcg cgccatcagc gttacttatt acgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcacgttact 420

tattacgctc tgagcgggct ggcaaggc 448

<210> 2176
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2176
gcctccctcg cgccatcagc gttacttcat tgagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc cgttacttca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2177
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2177
gcctccctcg cgccatcagt aggagacctt ggttacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc taggagacct tggttactga 480

gcgggctggc aaggc 495

<210> 2178
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2178
gcctccctcg cgccatcagt aggagacacc tcttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc taggagacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2179
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2179
gcctccctcg cgccatcagt aggagacctg attctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc taggagacct gattctctga 480

gcgggctggc aaggc 495

<210> 2180
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2180
gcctccctcg cgccatcagt aggagacagt accgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc taggagacag taccgactga 480

gcgggctggc aaggc 495

<210> 2181
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2181
gcctccctcg cgccatcagt aggagacatc catggcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc taggagacat ccatggctga 480

gcgggctggc aaggc 495

<210> 2182
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2182
gcctccctcg cgccatcagt aggagacgta gcagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc taggagacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 2183
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2183
gcctccctcg cgccatcagt aggagacatc ttcgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc taggagacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2184
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2184
gcctccctcg cgccatcagt aggagactcc acagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc taggagactc cacagtctga 480

gcgggctggc aaggc 495

<210> 2185
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2185
gcctccctcg cgccatcagt aggagacagc tagtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc taggagacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2186
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2186
gcctccctcg cgccatcagt aggagactaa ccaagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc taggagacta accaagctga 480

gcgggctggc aaggc 495

<210> 2187
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2187
gcctccctcg cgccatcagt aggagaccaa gaggtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc taggagacca agaggtctga 480

gcgggctggc aaggc 495

<210> 2188
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2188
gcctccctcg cgccatcagt aggagacagt tgacccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa taggagacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2189

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2189
gcctccctcg cgccatcagt aggagaccag catatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa taggagacca gcatatctga 480

gcgggctggc aaggc 495

<210> 2190
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2190
gcctccctcg cgccatcagt aggagacgca ggattcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa taggagacgc aggattctga 480

gcgggctggc aaggc 495

<210> 2191
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2191
gcctccctcg cgccatcagt aggagacgtc cattccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 2192
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2192
gcctccctcg cgccatcagt aggagacgca taactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac taggagacgc ataactctga 480

gcgggctggc aaggc 495

<210> 2193
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2193
gcctccctcg cgccatcagt aggagacata tgctgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacat atgctgctga 480

gcgggctggc aaggc 495

<210> 2194
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2194
gcctccctcg cgccatcagt aggagacaat cctgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2195
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2195
gcctccctcg cgccatcagt aggagactga gacctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagactg agacctctga 480

gcgggctggc aaggc 495

<210> 2196
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2196
gcctccctcg cgccatcagt aggagacgaa tggaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacga atggacctga 480

gcgggctggc aaggc 495

<210> 2197
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2197
gcctccctcg cgccatcagt aggagaccac atggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacca catggactga 480

gcgggctggc aaggc 495

<210> 2198
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2198
gcctccctcg cgccatcagt aggagacttg accatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagactt gaccatctga 480

gcgggctggc aaggc 495

<210> 2199
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2199
gcctccctcg cgccatcagt aggagacaag ccatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc taggagacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2200
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2200
gcctccctcg cgccatcagt aggagactcc atgtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagactc catgtgctga 480

gcgggctggc aaggc 495

<210> 2201
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2201
gcctccctcg cgccatcagt aggagaccaa gtcaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacca agtcacctga 480

gcgggctggc aaggc 495

<210> 2202
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2202
gcctccctcg cgccatcagt aggagacctg caatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2203
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2203
gcctccctcg cgccatcagt aggagacatc gacgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacat cgacgactga 480

gcgggctggc aaggc 495

<210> 2204
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2204
gcctccctcg cgccatcagt aggagacaca gactgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa taggagacac agactgctga 480

gcgggctggc aaggc 495

<210> 2205
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2205
gcctccctcg cgccatcagt aggagaccct tatagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac taggagaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 2206
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2206
gcctccctcg cgccatcagt aggagactac gcgttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2207
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2207
gcctccctcg cgccatcagt aggagaccta taaggcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg taggagacct ataaggctga 480

gcgggctggc aaggc 495

<210> 2208
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2208
gcctccctcg cgccatcagt aggagactct tagtccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc taggagactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2209
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2209
gcctccctcg cgccatcagt aggagactgt ctgcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc taggagactg tctgcactga 480

gcgggctggc aaggc 495

<210> 2210
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2210
gcctccctcg cgccatcagt aggagacgcc attaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc taggagacgc cattaactga 480

gcgggctggc aaggc 495

<210> 2211
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2211
gcctccctcg cgccatcagt aggagacgac taagacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagacga ctaagactga 480

gcgggctggc aaggc 495

<210> 2212

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2212
gcctccctcg cgccatcagt aggagacagg ttgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg taggagacag gttgctctga 480

gcgggctggc aaggc 495

<210> 2213
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2213
gcctccctcg cgccatcagt aggagacctc gagaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc taggagacct cgagaactga 480

gcgggctggc aaggc 495

<210> 2214
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2214
gcctccctcg cgccatcagt aggagactta atggccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagactt aatggcctga 480

gcgggctggc aaggc 495

<210> 2215
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2215
gcctccctcg cgccatcagt aggagactgc agacacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa taggagactg cagacactga 480

gcgggctggc aaggc 495

<210> 2216
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2216
gcctccctcg cgccatcagt aggagactca ctgagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt taggagactc actgagctga 480

gcgggctggc aaggc 495

<210> 2217
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2217
gcctccctcg cgccatcagt aggagacgag tacgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac taggagacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2218
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2218
gcctccctcg cgccatcagt aggagacata cgccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac taggagacat acgccactga 480

gcgggctggc aaggc 495

<210> 2219
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2219
gcctccctcg cgccatcagt aggagactcg catcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac taggagactc gcatcactga 480

gcgggctggc aaggc 495

<210> 2220
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2220
gcctccctcg cgccatcagt aggagaccgc ttaatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac taggagaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 2221
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2221
gcctccctcg cgccatcagt aggagactgg ttatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt taggagactg gttatcctga 480

gcgggctggc aaggc 495

<210> 2222
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2222
gcctccctcg cgccatcagt aggagacgga ttgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac taggagacgg attgctctga 480

gcgggctggc aaggc 495

<210> 2223
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2223
gcctccctcg cgccatcagt aggagacctc agtgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt taggagacct cagtgactga 480

gcgggctggc aaggc 495

<210> 2224
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2224
gcctccctcg cgccatcagt aggagacacg tactccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac taggagacac gtactcctga 480

gcgggctggc aaggc 495

<210> 2225
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2225
gcctccctcg cgccatcagt aggagactga tgcgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc taggagactg atgcgactga 480

gcgggctggc aaggc 495

<210> 2226
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2226
gcctccctcg cgccatcagt aggagacatt aagcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc taggagacat taagcgctga 480

gcgggctggc aaggc 495

<210> 2227
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2227
gcctccctcg cgccatcagt aggagacagc aatcccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc taggagacag caatccctga 480

gcgggctggc aaggc 495

<210> 2228
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2228
gcctccctcg cgccatcagt aggagacgct tagtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga taggagacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 2229
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2229
gcctccctcg cgccatcagt aggagactga ccttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc taggagactg accttgctga 480

gcgggctggc aaggc 495

<210> 2230
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2230
gcctccctcg cgccatcagt aggagaccaa ggtcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc taggagacca aggtcactga 480

gcgggctggc aaggc 495

<210> 2231
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2231
gcctccctcg cgccatcagt aggagaccac tgtaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc taggagacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2232
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2232
gcctccctcg cgccatcagt aggagacgat gatcccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg taggagacga tgatccctga 480

gcgggctggc aaggc 495

<210> 2233
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2233
gcctccctcg cgccatcagt aggagaccgc caatacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg taggagaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 2234
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2234
gcctccctcg cgccatcagt aggagactca agcctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca taggagactc aagcctctga 480

gcgggctggc aaggc 495

<210> 2235

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2235
gcctccctcg cgccatcagt aggagacacg tgtgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag taggagacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2236
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2236
gcctccctcg cgccatcagt aggagactcc gtctacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag taggagactc cgtctactga 480

gcgggctggc aaggc 495

<210> 2237
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2237
gcctccctcg cgccatcagt aggagacaag agctgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg taggagacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2238
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2238
gcctccctcg cgccatcagt aggagactat cgctccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag taggagacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2239
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2239
gcctccctcg cgccatcagt aggagactca gatgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc taggagactc agatgcctga 480

gcgggctggc aaggc 495

<210> 2240
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2240
gcctccctcg cgccatcagt aggagacgtg tagcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg taggagacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 2241
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2241
gcctccctcg cgccatcagt aggagactgg cagttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg taggagactg gcagttctga 480

gcgggctggc aaggc 495

<210> 2242
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2242
gcctccctcg cgccatcagt aggagaccag tccaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac taggagacca gtccaactga 480

gcgggctggc aaggc 495

<210> 2243
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2243
gcctccctcg cgccatcagt aggagacgtg tctaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg taggagacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 2244
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2244
gcctccctcg cgccatcagt aggagacgta cagtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag taggagacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 2245
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2245
gcctccctcg cgccatcagt aggagacgga tcatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag taggagacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 2246
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2246
gcctccctcg cgccatcagt aggagactat tggcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca taggagacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2247
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2247
gcctccctcg cgccatcagt aggagacagg cttgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac taggagacag gcttgactga 480

gcgggctggc aaggc 495

<210> 2248
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2248
gcctccctcg cgccatcagt aggagacaca cacgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat taggagacac acacgtctga 480

gcgggctggc aaggc 495

<210> 2249
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2249
gcctccctcg cgccatcagt aggagactag acggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga taggagacta gacggactga 480

gcgggctggc aaggc 495

<210> 2250
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2250
gcctccctcg cgccatcagt aggagacgag cgatacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt taggagacga gcgatactga 480

gcgggctggc aaggc 495

<210> 2251
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2251
gcctccctcg cgccatcagt aggagacgca tctgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca taggagacgc atctgactga 480

gcgggctggc aaggc 495

<210> 2252
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2252
gcctccctcg cgccatcagt aggagactgc tacaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg taggagactg ctacacctga 480

gcgggctggc aaggc 495

<210> 2253
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2253
gcctccctcg cgccatcagt aggagacaac tgccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt taggagacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2254
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2254
gcctccctcg cgccatcagt aggagacttg gactgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg taggagactt ggactgctga 480

gcgggctggc aaggc 495

<210> 2255
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2255
gcctccctcg cgccatcagt aggagactcg gtactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg taggagactc ggtactctga 480

gcgggctggc aaggc 495

<210> 2256
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2256
gcctccctcg cgccatcagt aggagaccca tggatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac taggagaccc atggatctga 480

gcgggctggc aaggc 495

<210> 2257
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2257
gcctccctcg cgccatcagt aggagacacg aagatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa taggagacac gaagatctga 480

gcgggctggc aaggc 495

<210> 2258

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2258
gcctccctcg cgccatcagt aggagacact gtggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt taggagacac tgtggactga 480

gcgggctggc aaggc 495

<210> 2259
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2259
gcctccctcg cgccatcagt aggagacggt gtcatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct taggagacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2260
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2260
gcctccctcg cgccatcagt aggagactcg tgaagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg taggagactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2261
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2261
gcctccctcg cgccatcagt aggagaccac tagctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa taggagacca ctagctctga 480

gcgggctggc aaggc 495

<210> 2262
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2262
gcctccctcg cgccatcagt aggagacggt caactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga taggagacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 2263
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2263
gcctccctcg cgccatcagt aggagactac gtacgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc taggagacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2264
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2264
gcctccctcg cgccatcagt aggagacatg acacccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg taggagacat gacaccctga 480

gcgggctggc aaggc 495

<210> 2265
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2265
gcctccctcg cgccatcagt aggagacctt cacgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac taggagacct tcacgactga 480

gcgggctggc aaggc 495

<210> 2266
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2266
gcctccctcg cgccatcagt aggagacaga atcagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc taggagacag aatcagctga 480

gcgggctggc aaggc 495

<210> 2267
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2267
gcctccctcg cgccatcagt aggagacagt tatgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa taggagacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2268
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2268
gcctccctcg cgccatcagt aggagacagg tctcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc taggagacag gtctcactga 480

gcgggctggc aaggc 495

<210> 2269
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2269
gcctccctcg cgccatcagt aggagacgtc atagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt taggagacgt catagtctga 480

gcgggctggc aaggc 495

<210> 2270
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2270
gcctccctcg cgccatcagt aggagacgtg acttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 2271
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2271
gcctccctcg cgccatcagt aggagacgat tgcagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc taggagacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2272
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2272
gcctccctcg cgccatcagt aggagacact atgaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac taggagacac tatgacctga 480

gcgggctggc aaggc 495

<210> 2273
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2273
gcctccctcg cgccatcagt aggagacatg gtcaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac taggagacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2274
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2274
gcctccctcg cgccatcagt aggagacgat ggcttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac taggagacga tggcttctga 480

gcgggctggc aaggc 495

<210> 2275
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2275
gcctccctcg cgccatcagt aggagacagc atatgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac taggagacag catatgctga 480

gcgggctggc aaggc 495

<210> 2276
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2276
gcctccctcg cgccatcagt aggagaccat atgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg taggagacca tatgctctga 480

gcgggctggc aaggc 495

<210> 2277
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2277
gcctccctcg cgccatcagt aggagactcg tcgatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc taggagactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2278
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2278
gcctccctcg cgccatcagt aggagaccag tctgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2279
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2279
gcctccctcg cgccatcagt aggagacaac gcgtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg taggagacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2280
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2280
gcctccctcg cgccatcagt aggagacgta gttcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc taggagacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 2281

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2281
gcctccctcg cgccatcagt aggagaccga actaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac taggagaccg aactacctga 480

gcgggctggc aaggc 495

<210> 2282
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2282
gcctccctcg cgccatcagt aggagactta acgtccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc taggagactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2283
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2283
gcctccctcg cgccatcagt aggagacagc aacctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac taggagacag caacctctga 480

gcgggctggc aaggc 495

<210> 2284
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2284
gcctccctcg cgccatcagt aggagacttc tcgagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt taggagactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2285
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2285
gcctccctcg cgccatcagt aggagacact ctacgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac taggagacac tctacgctga 480

gcgggctggc aaggc 495

<210> 2286
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2286
gcctccctcg cgccatcagt aggagactac cggaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc taggagacta ccggaactga 480

gcgggctggc aaggc 495

<210> 2287
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2287
gcctccctcg cgccatcagt aggagaccga attgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac taggagaccg aattgcctga 480

gcgggctggc aaggc 495

<210> 2288
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2288
gcctccctcg cgccatcagt aggagacttc gctcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca taggagactt cgctcactga 480

gcgggctggc aaggc 495

<210> 2289
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2289
gcctccctcg cgccatcagt aggagacgac gttaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg taggagacga cgttaactga 480

gcgggctggc aaggc 495

<210> 2290
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2290
gcctccctcg cgccatcagt aggagaccgt agagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc taggagaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 2291
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2291
gcctccctcg cgccatcagt aggagacttc cggtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc taggagactt ccggtactga 480

gcgggctggc aaggc 495

<210> 2292
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2292
gcctccctcg cgccatcagt aggagacgca attcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac taggagacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 2293
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2293
gcctccctcg cgccatcagt aggagactga gcgaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagactg agcgaactga 480

gcgggctggc aaggc 495

<210> 2294
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2294
gcctccctcg cgccatcagt aggagactac taagccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc taggagacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2295
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2295
gcctccctcg cgccatcagt aggagactgg cgtatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt taggagactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2296
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2296
gcctccctcg cgccatcagt aggagacgat aaccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg taggagacga taaccactga 480

gcgggctggc aaggc 495

<210> 2297
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2297
gcctccctcg cgccatcagt aggagaccta gtgaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag taggagacct agtgaactga 480

gcgggctggc aaggc 495

<210> 2298
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2298
gcctccctcg cgccatcagt aggagacacg ttcaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt taggagacac gttcacctga 480

gcgggctggc aaggc 495

<210> 2299
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2299
gcctccctcg cgccatcagt aggagacatt acgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcataggaga 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 2300
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2300
gcctccctcg cgccatcagt aggagaccat tgagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc taggagacca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2301
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2301
gcctccctcg cgccatcagg acactctctt ggttactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gacactctct tggttactga 480

gcgggctggc aaggc 495

<210> 2302
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2302
gcctccctcg cgccatcagg acactctacc tcttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gacactctac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2303
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2303
gcctccctcg cgccatcagg acactctctg attctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gacactctct gattctctga 480

gcgggctggc aaggc 495

<210> 2304
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2304
gcctccctcg cgccatcagg acactctagt accgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gacactctag taccgactga 480

gcgggctggc aaggc 495

<210> 2305
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2305
gcctccctcg cgccatcagg acactctatc catggctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gacactctat ccatggctga 480

gcgggctggc aaggc 495

<210> 2306
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2306
gcctccctcg cgccatcagg acactctgta gcagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gacactctgt agcagtctga 480

gcgggctggc aaggc 495

<210> 2307
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2307
gcctccctcg cgccatcagg acactctatc ttcgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gacactctat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2308
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2308
gcctccctcg cgccatcagg acactcttcc acagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gacactcttc cacagtctga 480

gcgggctggc aaggc 495

<210> 2309
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2309
gcctccctcg cgccatcagg acactctagc tagtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gacactctag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2310
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2310
gcctccctcg cgccatcagg acactcttaa ccaagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gacactctta accaagctga 480

gcgggctggc aaggc 495

<210> 2311
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2311
gcctccctcg cgccatcagg acactctcaa gaggtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gacactctca agaggtctga 480

gcgggctggc aaggc 495

<210> 2312
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2312
gcctccctcg cgccatcagg acactctagt tgaccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gacactctag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2313
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2313
gcctccctcg cgccatcagg acactctcag catatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gacactctca gcatatctga 480

gcgggctggc aaggc 495

<210> 2314
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2314
gcctccctcg cgccatcagg acactctgca ggattctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gacactctgc aggattctga 480

gcgggctggc aaggc 495

<210> 2315
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2315
gcctccctcg cgccatcagg acactctgtc cattcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctgt ccattcctga 480

gcgggctggc aaggc 495

<210> 2316
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2316
gcctccctcg cgccatcagg acactctgca taactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gacactctgc ataactctga 480

gcgggctggc aaggc 495

<210> 2317
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2317
gcctccctcg cgccatcagg acactctata tgctgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctat atgctgctga 480

gcgggctggc aaggc 495

<210> 2318
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2318
gcctccctcg cgccatcagg acactctaat cctgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactctaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2319
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2319
gcctccctcg cgccatcagg acactcttga gacctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactcttg agacctctga 480

gcgggctggc aaggc 495

<210> 2320
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2320
gcctccctcg cgccatcagg acactctgaa tggacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctga atggacctga 480

gcgggctggc aaggc 495

<210> 2321
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2321
gcctccctcg cgccatcagg acactctcac atggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctca catggactga 480

gcgggctggc aaggc 495

<210> 2322
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2322
gcctccctcg cgccatcagg acactctttg accatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactcttt gaccatctga 480

gcgggctggc aaggc 495

<210> 2323
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2323
gcctccctcg cgccatcagg acactctaag ccatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gacactctaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2324
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2324
gcctccctcg cgccatcagg acactcttcc atgtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactcttc catgtgctga 480

gcgggctggc aaggc 495

<210> 2325
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2325
gcctccctcg cgccatcagg acactctcaa gtcacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctca agtcacctga 480

gcgggctggc aaggc 495

<210> 2326
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2326
gcctccctcg cgccatcagg acactctctg caatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2327
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2327
gcctccctcg cgccatcagg acactctatc gacgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctat cgacgactga 480

gcgggctggc aaggc 495

<210> 2328
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2328
gcctccctcg cgccatcagg acactctaca gactgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gacactctac agactgctga 480

gcgggctggc aaggc 495

<210> 2329
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2329
gcctccctcg cgccatcagg acactctcct atagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gacactctcc ttatagctga 480

gcgggctggc aaggc 495

<210> 2330
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2330
gcctccctcg cgccatcagg acactcttac gcgttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2331
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2331
gcctccctcg cgccatcagg acactctcta taaggctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gacactctct ataaggctga 480

gcgggctggc aaggc 495

<210> 2332
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2332
gcctccctcg cgccatcagg acactcttct tagtcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gacactcttc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2333
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2333
gcctccctcg cgccatcagg acactcttgt ctgcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gacactcttg tctgcactga 480

gcgggctggc aaggc 495

<210> 2334
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2334
gcctccctcg cgccatcagg acactctgcc attaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gacactctgc cattaactga 480

gcgggctggc aaggc 495

<210> 2335
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2335
gcctccctcg cgccatcagg acactctgac taagactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactctga ctaagactga 480

gcgggctggc aaggc 495

<210> 2336
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2336
gcctccctcg cgccatcagg acactctagg ttgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gacactctag gttgctctga 480

gcgggctggc aaggc 495

<210> 2337
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2337
gcctccctcg cgccatcagg acactctctc gagaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gacactctct cgagaactga 480

gcgggctggc aaggc 495

<210> 2338
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2338
gcctccctcg cgccatcagg acactcttta atggcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactcttt aatggcctga 480

gcgggctggc aaggc 495

<210> 2339
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2339
gcctccctcg cgccatcagg acactcttgc agacactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gacactcttg cagacactga 480

gcgggctggc aaggc 495

<210> 2340
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2340
gcctccctcg cgccatcagg acactcttca ctgagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gacactcttc actgagctga 480

gcgggctggc aaggc 495

<210> 2341
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2341
gcctccctcg cgccatcagg acactctgag tacgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gacactctga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2342
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2342
gcctccctcg cgccatcagg acactctata cgccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gacactctat acgccactga 480

gcgggctggc aaggc 495

<210> 2343
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2343
gcctccctcg cgccatcagg acactcttcg catcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gacactcttc gcatcactga 480

gcgggctggc aaggc 495

<210> 2344
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2344
gcctccctcg cgccatcagg acactctcgc ttaatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gacactctcg cttaatctga 480

gcgggctggc aaggc 495

<210> 2345
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2345
gcctccctcg cgccatcagg acactcttgg ttatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gacactcttg gttatcctga 480

gcgggctggc aaggc 495

<210> 2346
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2346
gcctccctcg cgccatcagg acactctgga ttgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagcccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gacactctgg attgctctga 480

gcgggctggc aaggc 495

<210> 2347
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2347
gcctccctcg cgccatcagg acactctctc agtgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gacactctct cagtgactga 480

gcgggctggc aaggc 495

<210> 2348
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2348
gcctccctcg cgccatcagg acactctacg tactcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gacactctac gtactcctga 480

gcgggctggc aaggc 495

<210> 2349
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2349
gcctccctcg cgccatcagg acactcttga tgcgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gacactcttg atgcgactga 480

gcgggctggc aaggc 495

<210> 2350
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2350
gcctccctcg cgccatcagg acactctatt aagcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gacactctat taagcgctga 480

gcgggctggc aaggc 495

<210> 2351
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2351
gcctccctcg cgccatcagg acactctagc aatccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gacactctag caatccctga 480

gcgggctggc aaggc 495

<210> 2352
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2352
gcctccctcg cgccatcagg acactctgct tagtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gacactctgc ttagtactga 480

gcgggctggc aaggc 495

<210> 2353
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2353
gcctccctcg cgccatcagg acactcttga ccttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gacactcttg accttgctga 480

gcgggctggc aaggc 495

<210> 2354
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2354
gcctccctcg cgccatcagg acactctcaa ggtcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gacactctca aggtcactga 480

gcgggctggc aaggc 495

<210> 2355
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2355
gcctccctcg cgccatcagg acactctcac tgtacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gacactctca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2356
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2356
gcctccctcg cgccatcagg acactctgat gatccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gacactctga tgatccctga 480

gcgggctggc aaggc 495

<210> 2357
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2357
gcctccctcg cgccatcagg acactctcgc caatactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gacactctcg ccaatactga 480

gcgggctggc aaggc 495

<210> 2358
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2358
gcctccctcg cgccatcagg acactcttca agcctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gacactcttc aagcctctga 480

gcgggctggc aaggc 495

<210> 2359
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2359
gcctccctcg cgccatcagg acactctacg tgtgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gacactctac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2360
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2360
gcctccctcg cgccatcagg acactcttcc gtctactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gacactcttc cgtctactga 480

gcgggctggc aaggc 495

<210> 2361
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2361
gcctccctcg cgccatcagg acactctaag agctgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gacactctaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2362
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2362
gcctccctcg cgccatcagg acactcttat cgctcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gacactctta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2363
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2363
gcctccctcg cgccatcagg acactcttca gatgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gacactcttc agatgcctga 480

gcgggctggc aaggc 495

<210> 2364
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2364
gcctccctcg cgccatcagg acactctgtg tagcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gacactctgt gtagcactga 480

gcgggctggc aaggc 495

<210> 2365
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2365
gcctccctcg cgccatcagg acactcttgg cagttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gacactcttg gcagttctga 480

gcgggctggc aaggc 495

<210> 2366
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2366
gcctccctcg cgccatcagg acactctcag tccaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gacactctca gtccaactga 480

gcgggctggc aaggc 495

<210> 2367
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2367
gcctccctcg cgccatcagg acactctgtg tctacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gacactctgt gtctacctga 480

gcgggctggc aaggc 495

<210> 2368
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2368
gcctccctcg cgccatcagg acactctgta cagtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gacactctgt acagtgctga 480

gcgggctggc aaggc 495

<210> 2369
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2369
gcctccctcg cgccatcagg acactctgga tcatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gacactctgg atcatcctga 480

gcgggctggc aaggc 495

<210> 2370
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2370
gcctccctcg cgccatcagg acactcttat tggcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gacactctta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2371
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2371
gcctccctcg cgccatcagg acactctagg cttgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gacactctag gcttgactga 480

gcgggctggc aaggc 495

<210> 2372
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2372
gcctccctcg cgccatcagg acactctaca cacgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gacactctac acacgtctga 480

gcgggctggc aaggc 495

<210> 2373
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2373
gcctccctcg cgccatcagg acactcttag acggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gacactctta gacggactga 480

gcgggctggc aaggc 495

<210> 2374
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2374
gcctccctcg cgccatcagg acactctgag cgatactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gacactctga gcgatactga 480

gcgggctggc aaggc 495

<210> 2375
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2375
gcctccctcg cgccatcagg acactctgca tctgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gacactctgc atctgactga 480

gcgggctggc aaggc 495

<210> 2376
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2376
gcctccctcg cgccatcagg acactcttgc tacacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gacactcttg ctacacctga 480

gcgggctggc aaggc 495

<210> 2377
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2377
gcctccctcg cgccatcagg acactctaac tgccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gacactctaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2378
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2378
gcctccctcg cgccatcagg acactctttg gactgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gacactcttt ggactgctga 480

gcgggctggc aaggc 495

<210> 2379
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2379
gcctccctcg cgccatcagg acactcttcg gtactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gacactcttc ggtactctga 480

gcgggctggc aaggc 495

<210> 2380
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2380
gcctccctcg cgccatcagg acactctcca tggatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gacactctcc atggatctga 480

gcgggctggc aaggc 495

<210> 2381
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2381
gcctccctcg cgccatcagg acactctacg aagatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gacactctac gaagatctga 480

gcgggctggc aaggc 495

<210> 2382
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2382
gcctccctcg cgccatcagg acactctact gtggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gacactctac tgtggactga 480

gcgggctggc aaggc 495

<210> 2383
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2383
gcctccctcg cgccatcagg acactctggt gtcatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gacactctgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2384
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2384
gcctccctcg cgccatcagg acactcttcg tgaagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gacactcttc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2385
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2385
gcctccctcg cgccatcagg acactctcac tagctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gacactctca ctagctctga 480

gcgggctggc aaggc 495

<210> 2386
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2386
gcctccctcg cgccatcagg acactctggt caactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gacactctgg tcaactctga 480

gcgggctggc aaggc 495

<210> 2387
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2387
gcctccctcg cgccatcagg acactcttac gtacgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gacactctta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2388
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2388
gcctccctcg cgccatcagg acactctatg acaccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gacactctat gacaccctga 480

gcgggctggc aaggc 495

<210> 2389
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2389
gcctccctcg cgccatcagg acactctctt cacgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gacactctct tcacgactga 480

gcgggctggc aaggc 495

<210> 2390
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2390
gcctccctcg cgccatcagg acactctaga atcagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gacactctag aatcagctga 480

gcgggctggc aaggc 495

<210> 2391
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2391
gcctccctcg cgccatcagg acactctagt tatgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gacactctag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2392
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2392
gcctccctcg cgccatcagg acactctagg tctcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gacactctag gtctcactga 480

gcgggctggc aaggc 495

<210> 2393
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2393
gcctccctcg cgccatcagg acactctgtc atagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt gacactctgt catagtctga 480

gcgggctggc aaggc 495

<210> 2394
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2394
gcctccctcg cgccatcagg acactctgtg acttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactctgt gacttgctga 480

gcgggctggc aaggc 495

<210> 2395
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2395
gcctccctcg cgccatcagg acactctgat tgcagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gacactctga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2396
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2396
gcctccctcg cgccatcagg acactctact atgacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gacactctac tatgacctga 480

gcgggctggc aaggc 495

<210> 2397
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2397
gcctccctcg cgccatcagg acactctatg gtcaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gacactctat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2398
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2398
gcctccctcg cgccatcagg acactctgat ggcttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gacactctga tggcttctga 480

gcgggctggc aaggc 495

<210> 2399
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2399
gcctccctcg cgccatcagg acactctagc atatgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gacactctag catatgctga 480

gcgggctggc aaggc 495

<210> 2400
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2400
gcctccctcg cgccatcagg acactctcat atgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gacactctca tatgctctga 480

gcgggctggc aaggc 495

<210> 2401
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2401
gcctccctcg cgccatcagg acactcttcg tcgatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gacactcttc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2402
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2402
gcctccctcg cgccatcagg acactctcag tctgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactctca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2403
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2403
gcctccctcg cgccatcagg acactctaac gcgtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gacactctaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2404
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2404
gcctccctcg cgccatcagg acactctgta gttcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gacactctgt agttcgctga 480

gcgggctggc aaggc 495

<210> 2405
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2405
gcctccctcg cgccatcagg acactctcga actacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccctttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gacactctcg aactacctga 480

gcgggctggc aaggc 495

<210> 2406
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2406
gcctccctcg cgccatcagg acactcttta acgtcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gacactcttt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2407
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2407
gcctccctcg cgccatcagg acactctagc aacctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gacactctag caacctctga 480

gcgggctggc aaggc 495

<210> 2408
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2408
gcctccctcg cgccatcagg acactctttc tcgagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gacactcttt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2409
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2409
gcctccctcg cgccatcagg acactctact ctacgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gacactctac tctacgctga 480

gcgggctggc aaggc 495

<210> 2410
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2410
gcctccctcg cgccatcagg acactcttac cggaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gacactctta ccggaactga 480

gcgggctggc aaggc 495

<210> 2411
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2411
gcctccctcg cgccatcagg acactctcga attgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gacactctcg aattgcctga 480

gcgggctggc aaggc 495

<210> 2412
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2412
gcctccctcg cgccatcagg acactctttc gctcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gacactcttt cgctcactga 480

gcgggctggc aaggc 495

<210> 2413
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2413
gcctccctcg cgccatcagg acactctgac gttaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gacactctga cgttaactga 480

gcgggctggc aaggc 495

<210> 2414
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2414
gcctccctcg cgccatcagg acactctcgt agagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gacactctcg tagagtctga 480

gcgggctggc aaggc 495

<210> 2415
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2415
gcctccctcg cgccatcagg acactctttc cggtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gacactcttt ccggtactga 480

gcgggctggc aaggc 495

<210> 2416
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2416
gcctccctcg cgccatcagg acactctgca attcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gacactctgc aattcgctga 480

gcgggctggc aaggc 495

<210> 2417
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2417
gcctccctcg cgccatcagg acactcttga gcgaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactcttg agcgaactga 480

gcgggctggc aaggc 495

<210> 2418
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2418
gcctccctcg cgccatcagg acactcttac taagcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagcccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gacactctta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2419
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2419
gcctccctcg cgccatcagg acactcttgg cgtatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gacactcttg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2420
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2420
gcctccctcg cgccatcagg acactctgat aaccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gacactctga taaccactga 480

gcgggctggc aaggc 495

<210> 2421
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2421
gcctccctcg cgccatcagg acactctcta gtgaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gacactctct agtgaactga 480

gcgggctggc aaggc 495

<210> 2422
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2422
gcctccctcg cgccatcagg acactctacg ttcacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gacactctac gttcacctga 480

gcgggctggc aaggc 495

<210> 2423
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2423
gcctccctcg cgccatcagg acactctatt acgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagacactc 420

tattacgctc tgagcgggct ggcaaggc 448

<210> 2424
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2424
gcctccctcg cgccatcagg acactctcat tgagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gacactctca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2425
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2425
gcctccctcg cgccatcagt tcggaacctt ggttaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc ttcggaacct tggttactga 480

gcgggctggc aaggc 495

<210> 2426
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2426
gcctccctcg cgccatcagt tcggaacacc tcttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc ttcggaacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2427
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2427
gcctccctcg cgccatcagt tcggaacctg attctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc ttcggaacct gattctctga 480

gcgggctggc aaggc 495

<210> 2428
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2428

gcctccctcg cgccatcagt tcggaacagt accgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc ttcggaacag taccgactga 480

gcgggctggc aaggc 495

<210> 2429
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2429
gcctccctcg cgccatcagt tcggaacatc catggggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc ttcggaacat ccatggctga 480

gcgggctggc aaggc 495

<210> 2430
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2430
gcctccctcg cgccatcagt tcggaacgta gcagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc ttcggaacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 2431
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2431
gcctccctcg cgccatcagt tcggaacatc ttcgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc ttcggaacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2432
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2432
gcctccctcg cgccatcagt tcggaactcc acagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc ttcggaactc cacagtctga 480

gcgggctggc aaggc 495

<210> 2433
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2433
gcctccctcg cgccatcagt tcggaacagc tagtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc ttcggaacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2434
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2434
gcctccctcg cgccatcagt tcggaactaa ccaagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc ttcggaacta accaagctga 480

gcgggctggc aaggc 495

<210> 2435
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2435
gcctccctcg cgccatcagt tcggaaccaa gaggtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc ttcggaacca agaggtctga 480

gcgggctggc aaggc 495

<210> 2436
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2436
gcctccctcg cgccatcagt tcggaacagt tgaccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa ttcggaacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2437
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2437
gcctccctcg cgccatcagt tcggaaccag catatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa ttcggaacca gcatatctga 480

gcgggctggc aaggc 495

<210> 2438
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2438
gcctccctcg cgccatcagt tcggaacgca ggattggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa ttcggaacgc aggattctga 480

gcgggctggc aaggc 495

<210> 2439
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2439
gcctccctcg cgccatcagt tcggaacgtc cattcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 2440
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2440
gcctccctcg cgccatcagt tcggaacgca taactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac ttcggaacgc ataactctga 480

gcgggctggc aaggc 495

<210> 2441
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2441
gcctccctcg cgccatcagt tcggaacata tgctgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacat atgctgctga 480

gcgggctggc aaggc 495

<210> 2442
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2442
gcctccctcg cgccatcagt tcggaacaat cctgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2443
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2443
gcctccctcg cgccatcagt tcggaactga gacctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaactg agacctctga 480

gcgggctggc aaggc 495

<210> 2444
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2444
gcctccctcg cgccatcagt tcggaacgaa tggacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacga atggacctga 480

gcgggctggc aaggc 495

<210> 2445
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2445
gcctccctcg cgccatcagt tcggaaccac atggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacca catggactga 480

gcgggctggc aaggc 495

<210> 2446
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2446
gcctccctcg cgccatcagt tcggaacttg accatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaactt gaccatctga 480

gcgggctggc aaggc 495

<210> 2447
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2447
gcctccctcg cgccatcagt tcggaacaag ccatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc ttcggaacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2448
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2448
gcctccctcg cgccatcagt tcggaactcc atgtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaactc catgtgctga 480

gcgggctggc aaggc 495

<210> 2449
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2449
gcctccctcg cgccatcagt tcggaaccaa gtcacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacca agtcacctga 480

gcgggctggc aaggc 495

<210> 2450
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2450
gcctccctcg cgccatcagt tcggaacctg caatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2451
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2451

gcctccctcg cgccatcagt tcggaacatc gacgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacat cgacgactga 480

gcgggctggc aaggc 495

<210> 2452
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2452
gcctccctcg cgccatcagt tcggaacaca gactgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa ttcggaacac agactgctga 480

gcgggctggc aaggc 495

<210> 2453
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2453
gcctccctcg cgccatcagt tcggaaccct atagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac ttcggaaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 2454
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2454
gcctccctcg cgccatcagt tcggaactac gcgttggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2455
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2455
gcctccctcg cgccatcagt tcggaaccta taaggggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg ttcggaacct ataaggctga 480

gcgggctggc aaggc 495

<210> 2456
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2456
gcctccctcg cgccatcagt tcggaactct tagtcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc ttcggaactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2457
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2457
gcctccctcg cgccatcagt tcggaactgt ctgcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc ttcggaactg tctgcactga 480

gcgggctggc aaggc 495

<210> 2458
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2458
gcctccctcg cgccatcagt tcggaacgcc attaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc ttcggaacgc cattaactga 480

gcgggctggc aaggc 495

<210> 2459
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2459
gcctccctcg cgccatcagt tcggaacgac taagaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaacga ctaagactga 480

gcgggctggc aaggc 495

<210> 2460
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2460
gcctccctcg cgccatcagt tcggaacagg ttgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg ttcggaacag gttgctctga 480

gcgggctggc aaggc 495

<210> 2461
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2461
gcctccctcg cgccatcagt tcggaacctc gagaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc ttcggaacct cgagaactga 480

gcgggctggc aaggc 495

<210> 2462
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2462
gcctccctcg cgccatcagt tcggaactta atggcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaactt aatggcctga 480

gcgggctggc aaggc 495

<210> 2463
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2463
gcctccctcg cgccatcagt tcggaactgc agacaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa ttcggaactg cagacactga 480

gcgggctggc aaggc 495

<210> 2464
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2464
gcctccctcg cgccatcagt tcggaactca ctgagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt ttcggaactc actgagctga 480

gcgggctggc aaggc 495

<210> 2465
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2465
gcctccctcg cgccatcagt tcggaacgag tacgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac ttcggaacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2466
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2466
gcctccctcg cgccatcagt tcggaacata cgccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac ttcggaacat acgccactga 480

gcgggctggc aaggc 495

<210> 2467
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2467
gcctccctcg cgccatcagt tcggaactcg catcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac ttcggaactc gcatcactga 480

gcgggctggc aaggc 495

<210> 2468
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2468
gcctccctcg cgccatcagt tcggaaccgc ttaatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac ttcggaaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 2469
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2469
gcctccctcg cgccatcagt tcggaactgg ttatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt ttcggaactg gttatcctga 480

gcgggctggc aaggc 495

<210> 2470
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2470
gcctccctcg cgccatcagt tcggaacgga ttgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac ttcggaacgg attgctctga 480

gcgggctggc aaggc 495

<210> 2471
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2471
gcctccctcg cgccatcagt tcggaacctc agtgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt ttcggaacct cagtgactga 480

gcgggctggc aaggc 495

<210> 2472
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2472
gcctccctcg cgccatcagt tcggaacacg tactcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac ttcggaacac gtactcctga 480

gcgggctggc aaggc 495

<210> 2473
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2473
gcctccctcg cgccatcagt tcggaactga tgcgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc ttcggaactg atgcgactga 480

gcgggctggc aaggc 495

<210> 2474
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2474

gcctccctcg cgccatcagt tcggaacatt aagcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc ttcggaacat taagcgctga 480

gcgggctggc aaggc 495

<210> 2475
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2475
gcctccctcg cgccatcagt tcggaacagc aatccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc ttcggaacag caatccctga 480

gcgggctggc aaggc 495

<210> 2476
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2476
gcctccctcg cgccatcagt tcggaacgct tagtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga ttcggaacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 2477
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2477
gcctccctcg cgccatcagt tcggaactga ccttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc ttcggaactg accttgctga 480

gcgggctggc aaggc 495

<210> 2478
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2478
gcctccctcg cgccatcagt tcggaaccaa ggtcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc ttcggaacca aggtcactga 480

gcgggctggc aaggc 495

<210> 2479
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2479
gcctccctcg cgccatcagt tcggaaccac tgtacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc ttcggaacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2480
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2480
gcctccctcg cgccatcagt tcggaacgat gatccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg ttcggaacga tgatccctga 480

gcgggctggc aaggc 495

<210> 2481
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2481
gcctccctcg cgccatcagt tcggaaccgc caataggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg ttcggaaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 2482
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2482
gcctccctcg cgccatcagt tcggaactca agcctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca ttcggaactc aagcctctga 480

gcgggctggc aaggc 495

<210> 2483
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2483
gcctccctcg cgccatcagt tcggaacacg tgtgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag ttcggaacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2484
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2484
gcctccctcg cgccatcagt tcggaactcc gtctaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag ttcggaactc cgtctactga 480

gcgggctggc aaggc 495

<210> 2485
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2485
gcctccctcg cgccatcagt tcggaacaag agctgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg ttcggaacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2486
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2486
gcctccctcg cgccatcagt tcggaactat cgctcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag ttcggaacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2487
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2487
gcctccctcg cgccatcagt tcggaactca gatgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc ttcggaactc agatgcctga 480

gcgggctggc aaggc 495

<210> 2488
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2488
gcctccctcg cgccatcagt tcggaacgtg tagcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg ttcggaacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 2489
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2489
gcctccctcg cgccatcagt tcggaactgg cagttggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg ttcggaactg gcagttctga 480

gcgggctggc aaggc 495

<210> 2490
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2490
gcctccctcg cgccatcagt tcggaaccag tccaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac ttcggaacca gtccaactga 480

gcgggctggc aaggc 495

<210> 2491
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2491
gcctccctcg cgccatcagt tcggaacgtg tctacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg ttcggaacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 2492
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2492
gcctccctcg cgccatcagt tcggaacgta cagtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag ttcggaacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 2493
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2493
gcctccctcg cgccatcagt tcggaacgga tcatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag ttcggaacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 2494
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2494
gcctccctcg cgccatcagt tcggaactat tggcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca ttcggaacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2495
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2495
gcctccctcg cgccatcagt tcggaacagg cttgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac ttcggaacag gcttgactga 480

gcgggctggc aaggc 495

<210> 2496
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2496
gcctccctcg cgccatcagt tcggaacaca cacgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat ttcggaacac acacgtctga 480

gcgggctggc aaggc 495

<210> 2497
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2497

gcctccctcg cgccatcagt tcggaactag acggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga ttcggaacta gacggactga 480

gcgggctggc aaggc 495

<210> 2498
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2498
gcctccctcg cgccatcagt tcggaacgag cgataggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt ttcggaacga gcgatactga 480

gcgggctggc aaggc 495

<210> 2499
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2499
gcctccctcg cgccatcagt tcggaacgca tctgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca ttcggaacgc atctgactga 480

gcgggctggc aaggc 495

<210> 2500
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2500
gcctccctcg cgccatcagt tcggaactgc tacacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg ttcggaactg ctacacctga 480

gcgggctggc aaggc 495

<210> 2501
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2501
gcctccctcg cgccatcagt tcggaacaac tgccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt ttcggaacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2502
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2502
gcctccctcg cgccatcagt tcggaacttg gactgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg ttcggaactt ggactgctga 480

gcgggctggc aaggc 495

<210> 2503
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2503
gcctccctcg cgccatcagt tcggaactcg gtactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg ttcggaactc ggtactctga 480

gcgggctggc aaggc 495

<210> 2504
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2504
gcctccctcg cgccatcagt tcggaaccca tggatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctccccccag actctgtaag ctgggcctca ccctggatac ttcggaaccc atggatctga 480

gcgggctggc aaggc 495

<210> 2505
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2505
gcctccctcg cgccatcagt tcggaacacg aagatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa ttcggaacac gaagatctga 480

gcgggctggc aaggc 495

<210> 2506
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2506
gcctccctcg cgccatcagt tcggaacact gtggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt ttcggaacac tgtggactga 480

gcgggctggc aaggc 495

<210> 2507
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2507
gcctccctcg cgccatcagt tcggaacggt gtcatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct ttcggaacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2508
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2508
gcctccctcg cgccatcagt tcggaactcg tgaagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg ttcggaactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2509
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2509
gcctccctcg cgccatcagt tcggaaccac tagctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa ttcggaacca ctagctctga 480

gcgggctggc aaggc 495

<210> 2510
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2510
gcctccctcg cgccatcagt tcggaacggt caactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga ttcggaacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 2511
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2511
gcctccctcg cgccatcagt tcggaactac gtacgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc ttcggaacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2512
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2512
gcctccctcg cgccatcagt tcggaacatg acaccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg ttcggaacat gacaccctga 480

gcgggctggc aaggc 495

<210> 2513
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2513
gcctccctcg cgccatcagt tcggaacctt cacgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac ttcggaacct tcacgactga 480

gcgggctggc aaggc 495

<210> 2514
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2514
gcctccctcg cgccatcagt tcggaacaga atcagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc ttcggaacag aatcagctga 480

gcgggctggc aaggc 495

<210> 2515
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2515
gcctccctcg cgccatcagt tcggaacagt tatgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa ttcggaacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2516
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2516
gcctccctcg cgccatcagt tcggaacagg tctcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctgggggа cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc ttcggaacag gtctcactga 480

gcgggctggc aaggc 495

<210> 2517
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2517
gcctccctcg cgccatcagt tcggaacgtc atagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt ttcggaacgt catagtctga 480

gcgggctggc aaggc 495

<210> 2518
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2518
gcctccctcg cgccatcagt tcggaacgtg acttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 2519
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2519
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc ttcggaacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2520
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2520

gcctccctcg cgccatcagt tcggaacact atgacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac ttcggaacac tatgacctga 480

gcgggctggc aaggc 495

<210> 2521
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2521
gcctccctcg cgccatcagt tcggaacatg gtcaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac ttcggaacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2522
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2522
gcctccctcg cgccatcagt tcggaacgat ggcttggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac ttcggaacga tggcttctga 480

gcgggctggc aaggc 495

<210> 2523
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2523
gcctccctcg cgccatcagt tcggaacagc atatgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac ttcggaacag catatgctga 480

gcgggctggc aaggc 495

<210> 2524
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2524
gcctccctcg cgccatcagt tcggaaccat atgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg ttcggaacca tatgctctga 480

gcgggctggc aaggc 495

<210> 2525
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2525
gcctccctcg cgccatcagt tcggaactcg tcgatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc ttcggaactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2526
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2526
gcctccctcg cgccatcagt tcggaaccag tctgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2527
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2527
gcctccctcg cgccatcagt tcggaacaac gcgtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg ttcggaacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2528
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2528
gcctccctcg cgccatcagt tcggaacgta gttcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc ttcggaacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 2529
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2529
gcctccctcg cgccatcagt tcggaaccga actacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac ttcggaaccg aactacctga 480

gcgggctggc aaggc 495

<210> 2530
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2530
gcctccctcg cgccatcagt tcggaactta acgtcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc ttcggaactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2531
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2531
gcctccctcg cgccatcagt tcggaacagc aacctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac ttcggaacag caacctctga 480

gcgggctggc aaggc 495

<210> 2532
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2532
gcctccctcg cgccatcagt tcggaacttc tcgagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt ttcggaactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2533
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2533
gcctccctcg cgccatcagt tcggaacact ctacgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac ttcggaacac tctacgctga 480

gcgggctggc aaggc 495

<210> 2534
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2534
gcctccctcg cgccatcagt tcggaactac cggaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc ttcggaacta ccggaactga 480

gcgggctggc aaggc 495

<210> 2535
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2535
gcctccctcg cgccatcagt tcggaaccga attgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac ttcggaaccg aattgcctga 480

gcgggctggc aaggc 495

<210> 2536
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2536
gcctccctcg cgccatcagt tcggaacttc gctcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca ttcggaactt cgctcactga 480

gcgggctggc aaggc 495

<210> 2537
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2537
gcctccctcg cgccatcagt tcggaacgac gttaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg ttcggaacga cgttaactga 480

gcgggctggc aaggc 495

<210> 2538
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2538
gcctccctcg cgccatcagt tcggaaccgt agagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc ttcggaaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 2539
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2539
gcctccctcg cgccatcagt tcggaacttc cggtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc ttcggaactt ccggtactga 480

gcgggctggc aaggc 495

<210> 2540
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2540
gcctccctcg cgccatcagt tcggaacgca attcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac ttcggaacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 2541
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2541
gcctccctcg cgccatcagt tcggaactga gcgaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc agccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaactg agcgaactga 480

gcgggctggc aaggc 495

<210> 2542
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2542
gcctccctcg cgccatcagt tcggaactac taagcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc ttcggaacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2543
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2543

gcctccctcg cgccatcagt tcggaactgg cgtatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt ttcggaactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2544
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2544
gcctccctcg cgccatcagt tcggaacgat aaccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg ttcggaacga taaccactga 480

gcgggctggc aaggc 495

<210> 2545
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2545
gcctccctcg cgccatcagt tcggaaccta gtgaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag ttcggaacct agtgaactga 480

gcgggctggc aaggc 495

<210> 2546
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2546
gcctccctcg cgccatcagt tcggaacacg ttcacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt ttcggaacac gttcacctga 480

gcgggctggc aaggc 495

<210> 2547
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2547
gcctccctcg cgccatcagt tcggaacatt acgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcattcggaa 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 2548

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2548
gcctccctcg cgccatcagt tcggaaccat tgagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc ttcggaacca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2549
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2549
gcctccctcg cgccatcaga agtaacgctt ggttatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc aagtaacgct tggttactga 480

gcgggctggc aaggc 495

<210> 2550
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2550
gcctccctcg cgccatcaga agtaacgacc tcttgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc aagtaacgac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2551
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2551
gcctccctcg cgccatcaga agtaacgctg attcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc aagtaacgct gattctctga 480

gcgggctggc aaggc 495

<210> 2552
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2552
gcctccctcg cgccatcaga agtaacgagt accgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc aagtaacgag taccgactga 480

gcgggctggc aaggc 495

<210> 2553
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2553
gcctccctcg cgccatcaga agtaacgatc catggtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc aagtaacgat ccatggctga 480

gcgggctggc aaggc 495

<210> 2554
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2554
gcctccctcg cgccatcaga agtaacggta gcagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc aagtaacggt agcagtctga 480

gcgggctggc aaggc 495

<210> 2555
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2555
gcctccctcg cgccatcaga agtaacgatc ttcgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc aagtaacgat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2556
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2556
gcctccctcg cgccatcaga agtaacgtcc acagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc aagtaacgtc cacagtctga 480

gcgggctggc aaggc 495

<210> 2557
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2557
gcctccctcg cgccatcaga agtaacgagc tagtgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc aagtaacgag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2558
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2558
gcctccctcg cgccatcaga agtaacgtaa ccaagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc aagtaacgta accaagctga 480

gcgggctggc aaggc 495

<210> 2559
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2559
gcctccctcg cgccatcaga agtaacgcaa gaggttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc aagtaacgca agaggtctga 480

gcgggctggc aaggc 495

<210> 2560
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2560
gcctccctcg cgccatcaga agtaacgagt tgacctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa aagtaacgag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2561
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2561
gcctccctcg cgccatcaga agtaacgcag catattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa aagtaacgca gcatatctga 480

gcgggctggc aaggc 495

<210> 2562
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2562
gcctccctcg cgccatcaga agtaacggca ggatttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa aagtaacggc aggattctga 480

gcgggctggc aaggc 495

<210> 2563
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2563
gcctccctcg cgccatcaga agtaacggtc cattctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacggt ccattcctga 480

gcgggctggc aaggc 495

<210> 2564
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2564
gcctccctcg cgccatcaga agtaacggca taacttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac aagtaacggc ataactctga 480

gcgggctggc aaggc 495

<210> 2565
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2565
gcctccctcg cgccatcaga agtaacgata tgctgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgat atgctgctga 480

gcgggctggc aaggc 495

<210> 2566
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2566
gcctccctcg cgccatcaga agtaacgaat cctgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2567
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2567
gcctccctcg cgccatcaga agtaacgtga gaccttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacgtg agacctctga 480

gcgggctggc aaggc 495

<210> 2568
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2568
gcctccctcg cgccatcaga agtaacggaa tggactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgga atggacctga 480

gcgggctggc aaggc 495

<210> 2569
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2569
gcctccctcg cgccatcaga agtaacgcac atggatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgca catggactga 480

gcgggctggc aaggc 495

<210> 2570
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2570
gcctccctcg cgccatcaga agtaacgttg accattcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgtt gaccatctga 480

gcgggctggc aaggc 495

<210> 2571

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2571
gcctccctcg cgccatcaga agtaacgaag ccatctcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc aagtaacgaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2572
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2572
gcctccctcg cgccatcaga agtaacgtcc atgtgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgtc catgtgctga 480

gcgggctggc aaggc 495

<210> 2573
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2573
gcctccctcg cgccatcaga agtaacgcaa gtcactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgca agtcacctga 480

gcgggctggc aaggc 495

<210> 2574
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2574
gcctccctcg cgccatcaga agtaacgctg caatctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2575
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2575
gcctccctcg cgccatcaga agtaacgatc gacgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgat cgacgactga 480

gcgggctggc aaggc 495

<210> 2576
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2576
gcctccctcg cgccatcaga agtaacgaca gactgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa aagtaacgac agactgctga 480

gcgggctggc aaggc 495

<210> 2577
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2577
gcctccctcg cgccatcaga agtaacgcct atagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac aagtaacgcc ttatagctga 480

gcgggctggc aaggc 495

<210> 2578
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2578
gcctccctcg cgccatcaga agtaacgtac gcgtttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2579
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2579
gcctccctcg cgccatcaga agtaacgcta taaggtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg aagtaacgct ataaggctga 480

gcgggctggc aaggc 495

<210> 2580
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2580
gcctccctcg cgccatcaga agtaacgtct tagtctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc aagtaacgtc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2581
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2581
gcctccctcg cgccatcaga agtaacgtgt ctgcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc aagtaacgtg tctgcactga 480

gcgggctggc aaggc 495

<210> 2582
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2582
gcctccctcg cgccatcaga agtaacggcc attaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc aagtaacggc cattaactga 480

gcgggctggc aaggc 495

<210> 2583
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2583
gcctccctcg cgccatcaga agtaacggac taagatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacgga ctaagactga 480

gcgggctggc aaggc 495

<210> 2584
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2584
gcctccctcg cgccatcaga agtaacgagg ttgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg aagtaacgag gttgctctga 480

gcgggctggc aaggc 495

<210> 2585
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2585
gcctccctcg cgccatcaga agtaacgctc gagaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc aagtaacgct cgagaactga 480

gcgggctggc aaggc 495

<210> 2586
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2586
gcctccctcg cgccatcaga agtaacgtta atggctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgtt aatggcctga 480

gcgggctggc aaggc 495

<210> 2587
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2587
gcctccctcg cgccatcaga agtaacgtgc agacatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa aagtaacgtg cagacactga 480

gcgggctggc aaggc 495

<210> 2588
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2588
gcctccctcg cgccatcaga agtaacgtca ctgagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt aagtaacgtc actgagctga 480

gcgggctggc aaggc 495

<210> 2589
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2589
gcctccctcg cgccatcaga agtaacggag tacgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac aagtaacgga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2590
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2590
gcctccctcg cgccatcaga agtaacgata cgccatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac aagtaacgat acgccactga 480

gcgggctggc aaggc 495

<210> 2591
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2591
gcctccctcg cgccatcaga agtaacgtcg catcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac aagtaacgtc gcatcactga 480

gcgggctggc aaggc 495

<210> 2592
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2592
gcctccctcg cgccatcaga agtaacgcgc ttaattcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac aagtaacgcg cttaatctga 480

gcgggctggc aaggc 495

<210> 2593
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2593
gcctccctcg cgccatcaga agtaacgtgg ttatctcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt aagtaacgtg gttatcctga 480

gcgggctggc aaggc 495

<210> 2594

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2594
gcctccctcg cgccatcaga agtaacggga ttgcttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac aagtaacggg attgctctga 480

gcgggctggc aaggc 495

<210> 2595
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2595
gcctccctcg cgccatcaga agtaacgctc agtgatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt aagtaacgct cagtgactga 480

gcgggctggc aaggc 495

<210> 2596
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2596
gcctccctcg cgccatcaga agtaacgacg tactctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac aagtaacgac gtactcctga 480

gcgggctggc aaggc 495

<210> 2597
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2597
gcctccctcg cgccatcaga agtaacgtga tgcgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc aagtaacgtg atgcgactga 480

gcgggctggc aaggc 495

<210> 2598
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2598
gcctccctcg cgccatcaga agtaacgatt aagcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc aagtaacgat taagcgctga 480

gcgggctggc aaggc 495

<210> 2599
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2599
gcctccctcg cgccatcaga agtaacgagc aatcctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc aagtaacgag caatccctga 480

gcgggctggc aaggc 495

<210> 2600
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2600
gcctccctcg cgccatcaga agtaacggct tagtatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga aagtaacggc ttagtactga 480

gcgggctggc aaggc 495

<210> 2601
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2601
gcctccctcg cgccatcaga agtaacgtga ccttgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc aagtaacgtg accttgctga 480

gcgggctggc aaggc 495

<210> 2602
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2602
gcctccctcg cgccatcaga agtaacgcaa ggtcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc aagtaacgca aggtcactga 480

gcgggctggc aaggc 495

<210> 2603
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2603
gcctccctcg cgccatcaga agtaacgcac tgtactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc aagtaacgca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2604
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2604
gcctccctcg cgccatcaga agtaacggat gatcctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg aagtaacgga tgatccctga 480

gcgggctggc aaggc 495

<210> 2605
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2605
gcctccctcg cgccatcaga agtaacgcgc caatatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg aagtaacgcg ccaatactga 480

gcgggctggc aaggc 495

<210> 2606
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2606
gcctccctcg cgccatcaga agtaacgtca agccttcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca aagtaacgtc aagcctctga 480

gcgggctggc aaggc 495

<210> 2607
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2607
gcctccctcg cgccatcaga agtaacgacg tgtgttcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag aagtaacgac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2608
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2608
gcctccctcg cgccatcaga agtaacgtcc gtctatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag aagtaacgtc cgtctactga 480

gcgggctggc aaggc 495

<210> 2609
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2609
gcctccctcg cgccatcaga agtaacgaag agctgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg aagtaacgaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2610
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2610
gcctccctcg cgccatcaga agtaacgtat cgctctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag aagtaacgta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2611
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2611
gcctccctcg cgccatcaga agtaacgtca gatgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc aagtaacgtc agatgcctga 480

gcgggctggc aaggc 495

<210> 2612
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2612
gcctccctcg cgccatcaga agtaacggtg tagcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg aagtaacggt gtagcactga 480

gcgggctggc aaggc 495

<210> 2613
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2613
gcctccctcg cgccatcaga agtaacgtgg cagtttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg aagtaacgtg gcagttctga 480

gcgggctggc aaggc 495

<210> 2614
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2614
gcctccctcg cgccatcaga agtaacgcag tccaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac aagtaacgca gtccaactga 480

gcgggctggc aaggc 495

<210> 2615
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2615
gcctccctcg cgccatcaga agtaacggtg tctactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg aagtaacggt gtctacctga 480

gcgggctggc aaggc 495

<210> 2616
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2616
gcctccctcg cgccatcaga agtaacggta cagtgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag aagtaacggt acagtgctga 480

gcgggctggc aaggc 495

<210> 2617

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2617
gcctccctcg cgccatcaga agtaacggga tcatctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag aagtaacggg atcatcctga 480

gcgggctggc aaggc 495

<210> 2618
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2618
gcctccctcg cgccatcaga agtaacgtat tggcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca aagtaacgta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2619
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2619
gcctccctcg cgccatcaga agtaacgagg cttgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac aagtaacgag gcttgactga 480

gcgggctggc aaggc 495

<210> 2620
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2620
gcctccctcg cgccatcaga agtaacgaca cacgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat aagtaacgac acacgtctga 480

gcgggctggc aaggc 495

<210> 2621
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2621
gcctccctcg cgccatcaga agtaacgtag acggatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga aagtaacgta gacggactga 480

gcgggctggc aaggc 495

<210> 2622
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2622
gcctccctcg cgccatcaga agtaacggag cgatatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt aagtaacgga gcgatactga 480

gcgggctggc aaggc 495

<210> 2623
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2623
gcctccctcg cgccatcaga agtaacggca tctgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca aagtaacggc atctgactga 480

gcgggctggc aaggc 495

<210> 2624
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2624
gcctccctcg cgccatcaga agtaacgtgc tacactcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg aagtaacgtg ctacacctga 480

gcgggctggc aaggc 495

<210> 2625
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2625
gcctccctcg cgccatcaga agtaacgaac tgccatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt aagtaacgaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2626
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2626
gcctccctcg cgccatcaga agtaacgttg gactgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg aagtaacgtt ggactgctga 480

gcgggctggc aaggc 495

<210> 2627
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2627
gcctccctcg cgccatcaga agtaacgtcg gtacttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg aagtaacgtc ggtactctga 480

gcgggctggc aaggc 495

<210> 2628
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2628
gcctccctcg cgccatcaga agtaacgcca tggattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac aagtaacgcc atggatctga 480

gcgggctggc aaggc 495

<210> 2629
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2629
gcctccctcg cgccatcaga agtaacgacg aagattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa aagtaacgac gaagatctga 480

gcgggctggc aaggc 495

<210> 2630
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2630
gcctccctcg cgccatcaga agtaacgact gtggatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt aagtaacgac tgtggactga 480

gcgggctggc aaggc 495

<210> 2631
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2631
gcctccctcg cgccatcaga agtaacgggt gtcattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct aagtaacggg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2632
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2632
gcctccctcg cgccatcaga agtaacgtcg tgaagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg aagtaacgtc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2633
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2633
gcctccctcg cgccatcaga agtaacgcac tagcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa aagtaacgca ctagctctga 480

gcgggctggc aaggc 495

<210> 2634
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2634
gcctccctcg cgccatcaga agtaacgggt caacttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga aagtaacggg tcaactctga 480

gcgggctggc aaggc 495

<210> 2635
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2635
gcctccctcg cgccatcaga agtaacgtac gtacgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc aagtaacgta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2636
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2636
gcctccctcg cgccatcaga agtaacgatg acacctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg aagtaacgat gacaccctga 480

gcgggctggc aaggc 495

<210> 2637
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2637
gcctccctcg cgccatcaga agtaacgctt cacgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac aagtaacgct tcacgactga 480

gcgggctggc aaggc 495

<210> 2638
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2638
gcctccctcg cgccatcaga agtaacgaga atcagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc aagtaacgag aatcagctga 480

gcgggctggc aaggc 495

<210> 2639
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2639
gcctccctcg cgccatcaga agtaacgagt tatgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa aagtaacgag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2640

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2640
gcctccctcg cgccatcaga agtaacgagg tctcatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc aagtaacgag gtctcactga 480

gcgggctggc aaggc 495

<210> 2641
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2641
gcctccctcg cgccatcaga agtaacggtc atagttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt aagtaacggt catagtctga 480

gcgggctggc aaggc 495

<210> 2642
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2642
gcctccctcg cgccatcaga agtaacggtg acttgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacggt gacttgctga 480

gcgggctggc aaggc 495

<210> 2643
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2643
gcctccctcg cgccatcaga agtaacggat tgcagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc aagtaacgga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2644
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2644
gcctccctcg cgccatcaga agtaacgact atgactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac aagtaacgac tatgacctga 480

gcgggctggc aaggc 495

<210> 2645
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2645
gcctccctcg cgccatcaga agtaacgatg gtcaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac aagtaacgat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2646
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2646
gcctccctcg cgccatcaga agtaacggat ggctttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac aagtaacgga tggcttctga 480

gcgggctggc aaggc 495

<210> 2647
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2647
gcctccctcg cgccatcaga agtaacgagc atatgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac aagtaacgag catatgctga 480

gcgggctggc aaggc 495

<210> 2648
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2648
gcctccctcg cgccatcaga agtaacgcat atgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg aagtaacgca tatgctctga 480

gcgggctggc aaggc 495

<210> 2649
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2649
gcctccctcg cgccatcaga agtaacgtcg tcgattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc aagtaacgtc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2650
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2650
gcctccctcg cgccatcaga agtaacgcag tctgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2651
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2651
gcctccctcg cgccatcaga agtaacgaac gcgtatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg aagtaacgaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2652
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2652
gcctccctcg cgccatcaga agtaacggta gttcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc aagtaacggt agttcgctga 480

gcgggctggc aaggc 495

<210> 2653
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2653
gcctccctcg cgccatcaga agtaacgcga actactcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac aagtaacgcg aactacctga 480

gcgggctggc aaggc 495

<210> 2654
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2654
gcctccctcg cgccatcaga agtaacgtta acgtctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc aagtaacgtt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2655
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2655
gcctccctcg cgccatcaga agtaacgagc aaccttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac aagtaacgag caacctctga 480

gcgggctggc aaggc 495

<210> 2656
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2656
gcctccctcg cgccatcaga agtaacgttc tcgagtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt aagtaacgtt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2657
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2657
gcctccctcg cgccatcaga agtaacgact ctacgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac aagtaacgac tctacgctga 480

gcgggctggc aaggc 495

<210> 2658
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2658
gcctccctcg cgccatcaga agtaacgtac cggaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc aagtaacgta ccggaactga 480

gcgggctggc aaggc 495

<210> 2659
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2659
gcctccctcg cgccatcaga agtaacgcga attgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac aagtaacgcg aattgcctga 480

gcgggctggc aaggc 495

<210> 2660
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2660
gcctccctcg cgccatcaga agtaacgttc gctcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tccccccagac tccaccagct gcacctcaca aagtaacgtt cgctcactga 480

gcgggctggc aaggc 495

<210> 2661
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2661
gcctccctcg cgccatcaga agtaacggac gttaatcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg aagtaacgga cgttaactga 480

gcgggctggc aaggc 495

<210> 2662
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2662
gcctccctcg cgccatcaga agtaacgcgt agagttcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc aagtaacgcg tagagtctga 480

gcgggctggc aaggc 495

<210> 2663

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2663
gcctccctcg cgccatcaga agtaacgttc cggtatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc aagtaacgtt ccggtactga 480

gcgggctggc aaggc 495

<210> 2664
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2664
gcctccctcg cgccatcaga agtaacggca attcgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac aagtaacggc aattcgctga 480

gcgggctggc aaggc 495

<210> 2665
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2665
gcctccctcg cgccatcaga agtaacgtga gcgaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgtg agcgaactga 480

gcgggctggc aaggc 495

<210> 2666
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2666
gcctccctcg cgccatcaga agtaacgtac taagctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc aagtaacgta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2667
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2667
gcctccctcg cgccatcaga agtaacgtgg cgtattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc agccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt aagtaacgtg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2668
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2668
gcctccctcg cgccatcaga agtaacggat aaccatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg aagtaacgga taaccactga 480

gcgggctggc aaggc 495

<210> 2669
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2669
gcctccctcg cgccatcaga agtaacgcta gtgaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag aagtaacgct agtgaactga 480

gcgggctggc aaggc 495

<210> 2670
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2670
gcctccctcg cgccatcaga agtaacgacg ttcactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt aagtaacgac gttcacctga 480

gcgggctggc aaggc 495

<210> 2671
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2671
gcctccctcg cgccatcaga agtaacgatt acgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcaaagtaac 420

gattacgctc tgagcgggct ggcaaggc 448

<210> 2672
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2672
gcctccctcg cgccatcaga agtaacgcat tgagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc aagtaacgca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2673
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2673
gcctccctcg cgccatcagg tctcctactt ggttaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gtctcctact tggttactga 480

gcgggctggc aaggc 495

<210> 2674
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2674
gcctccctcg cgccatcagg tctcctaacc tcttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gtctcctaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2675
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2675
gcctccctcg cgccatcagg tctcctactg attctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gtctcctact gattctctga 480

gcgggctggc aaggc 495

<210> 2676
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2676
gcctccctcg cgccatcagg tctcctaagt accgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gtctcctaag taccgactga 480

gcgggctggc aaggc 495

<210> 2677
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2677
gcctccctcg cgccatcagg tctcctaatc catggccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gtctcctaat ccatggctga 480

gcgggctggc aaggc 495

<210> 2678
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2678
gcctccctcg cgccatcagg tctcctagta gcagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gtctcctagt agcagtctga 480

gcgggctggc aaggc 495

<210> 2679
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2679
gcctccctcg cgccatcagg tctcctaatc ttcgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gtctcctaat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2680
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2680
gcctccctcg cgccatcagg tctcctatcc acagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gtctcctatc cacagtctga 480

gcgggctggc aaggc 495

<210> 2681
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2681
gcctccctcg cgccatcagg tctcctaagc tagtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gtctcctaag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2682
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2682
gcctccctcg cgccatcagg tctcctataa ccaagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gtctcctata accaagctga 480

gcgggctggc aaggc 495

<210> 2683
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2683
gcctccctcg cgccatcagg tctcctacaa gaggtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gtctcctaca agaggtctga 480

gcgggctggc aaggc 495

<210> 2684
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2684
gcctccctcg cgccatcagg tctcctaagt tgaccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gtctcctaag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2685
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2685
gcctccctcg cgccatcagg tctcctacag catatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gtctcctaca gcatatctga 480

gcgggctggc aaggc 495

<210> 2686
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2686
gcctccctcg cgccatcagg tctcctagca ggattccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gtctcctagc aggattctga 480

gcgggctggc aaggc 495

<210> 2687
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2687
gcctccctcg cgccatcagg tctcctagtc cattcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctagt ccattcctga 480

gcgggctggc aaggc 495

<210> 2688
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2688
gcctccctcg cgccatcagg tctcctagca taactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gtctcctagc ataactctga 480

gcgggctggc aaggc 495

<210> 2689
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2689
gcctccctcg cgccatcagg tctcctaata tgctgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctaat atgctgctga 480

gcgggctggc aaggc 495

<210> 2690
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2690
gcctccctcg cgccatcagg tctcctaaat cctgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 2691
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2691
gcctccctcg cgccatcagg tctcctatga gacctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctatg agacctctga 480

gcgggctggc aaggc 495

<210> 2692
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2692
gcctccctcg cgccatcagg tctcctagaa tggacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaga atggacctga 480

gcgggctggc aaggc 495

<210> 2693
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2693
gcctccctcg cgccatcagg tctcctacac atggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaca catggactga 480

gcgggctggc aaggc 495

<210> 2694
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2694
gcctccctcg cgccatcagg tctcctattg accatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctatt gaccatctga 480

gcgggctggc aaggc 495

<210> 2695
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2695
gcctccctcg cgccatcagg tctcctaaag ccatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gtctcctaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2696
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2696
gcctccctcg cgccatcagg tctcctatcc atgtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctatc catgtgctga 480

gcgggctggc aaggc 495

<210> 2697
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2697
gcctccctcg cgccatcagg tctcctacaa gtcacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctaca agtcacctga 480

gcgggctggc aaggc 495

<210> 2698
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2698
gcctccctcg cgccatcagg tctcctactg caatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctact gcaatcctga 480

gcgggctggc aaggc 495

<210> 2699
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2699
gcctccctcg cgccatcagg tctcctaatc gacgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaat cgacgactga 480

gcgggctggc aaggc 495

<210> 2700
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2700
gcctccctcg cgccatcagg tctcctaaca gactgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gtctcctaac agactgctga 480

gcgggctggc aaggc 495

<210> 2701
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2701
gcctccctcg cgccatcagg tctcctacct tatagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gtctcctacc ttatagctga 480

gcgggctggc aaggc 495

<210> 2702
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2702
gcctccctcg cgccatcagg tctcctatac gcgttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctata cgcgttctga 480

gcgggctggc aaggc 495

<210> 2703
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2703
gcctccctcg cgccatcagg tctcctacta taaggccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gtctcctact ataaggctga 480

gcgggctggc aaggc 495

<210> 2704
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2704
gcctccctcg cgccatcagg tctcctatct tagtcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtctcctatc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2705
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2705
gcctccctcg cgccatcagg tctcctatgt ctgcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtctcctatg tctgcactga 480

gcgggctggc aaggc 495

<210> 2706
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2706
gcctccctcg cgccatcagg tctcctagcc attaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtctcctagc cattaactga 480

gcgggctggc aaggc 495

<210> 2707
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2707
gcctccctcg cgccatcagg tctcctagac taagaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctaga ctaagactga 480

gcgggctggc aaggc 495

<210> 2708
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2708
gcctccctcg cgccatcagg tctcctaagg ttgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtctcctaag gttgctctga 480

gcgggctggc aaggc 495

<210> 2709
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2709
gcctccctcg cgccatcagg tctcctactc gagaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gtctcctact cgagaactga 480

gcgggctggc aaggc 495

<210> 2710
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2710
gcctccctcg cgccatcagg tctcctatta atggcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctatt aatggcctga 480

gcgggctggc aaggc 495

<210> 2711
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2711
gcctccctcg cgccatcagg tctcctatgc agacaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gtctcctatg cagacactga 480

gcgggctggc aaggc 495

<210> 2712
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2712
gcctccctcg cgccatcagg tctcctatca ctgagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtctcctatc actgagctga 480

gcgggctggc aaggc 495

<210> 2713
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2713
gcctccctcg cgccatcagg tctcctagag tacgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gtctcctaga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2714
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2714
gcctccctcg cgccatcagg tctcctaata cgccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gtctcctaat acgccactga 480

gcgggctggc aaggc 495

<210> 2715
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2715
gcctccctcg cgccatcagg tctcctatcg catcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtctcctatc gcatcactga 480

gcgggctggc aaggc 495

<210> 2716
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2716
gcctccctcg cgccatcagg tctcctacgc ttaatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gtctcctacg cttaatctga 480

gcgggctggc aaggc 495

<210> 2717
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2717
gcctccctcg cgccatcagg tctcctatgg ttatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gtctcctatg gttatcctga 480

gcgggctggc aaggc 495

<210> 2718
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2718
gcctccctcg cgccatcagg tctcctagga ttgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gtctcctagg attgctctga 480

gcgggctggc aaggc 495

<210> 2719
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2719
gcctccctcg cgccatcagg tctcctactc agtgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtctcctact cagtgactga 480

gcgggctggc aaggc 495

<210> 2720
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2720
gcctccctcg cgccatcagg tctcctaacg tactcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtctcctaac gtactcctga 480

gcgggctggc aaggc 495

<210> 2721
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2721
gcctccctcg cgccatcagg tctcctatga tgcgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtctcctatg atgcgactga 480

gcgggctggc aaggc 495

<210> 2722
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2722
gcctccctcg cgccatcagg tctcctaatt aagcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gtctcctaat taagcgctga 480

gcgggctggc aaggc 495

<210> 2723
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2723
gcctccctcg cgccatcagg tctcctaagc aatccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gtctcctaag caatccctga 480

gcgggctggc aaggc 495

<210> 2724
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2724
gcctccctcg cgccatcagg tctcctagct tagtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gtctcctagc ttagtactga 480

gcgggctggc aaggc 495

<210> 2725
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2725
gcctccctcg cgccatcagg tctcctatga ccttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gtctcctatg accttgctga 480

gcgggctggc aaggc 495

<210> 2726
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2726
gcctccctcg cgccatcagg tctcctacaa ggtcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gtctcctaca aggtcactga 480

gcgggctggc aaggc 495

<210> 2727
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2727
gcctccctcg cgccatcagg tctcctacac tgtacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gtctcctaca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2728
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2728
gcctccctcg cgccatcagg tctcctagat gatccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gtctcctaga tgatccctga 480

gcgggctggc aaggc 495

<210> 2729
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2729
gcctccctcg cgccatcagg tctcctacgc caataccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gtctcctacg ccaatactga 480

gcgggctggc aaggc 495

<210> 2730
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2730
gcctccctcg cgccatcagg tctcctatca agcctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gtctcctatc aagcctctga 480

gcgggctggc aaggc 495

<210> 2731
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2731
gcctccctcg cgccatcagg tctcctaacg tgtgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gtctcctaac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2732
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2732
gcctccctcg cgccatcagg tctcctatcc gtctaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtctcctatc cgtctactga 480

gcgggctggc aaggc 495

<210> 2733
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2733
gcctccctcg cgccatcagg tctcctaaag agctgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gtctcctaaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2734
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2734
gcctccctcg cgccatcagg tctcctatat cgctcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtctcctata tcgctcctga 480

gcgggctggc aaggc 495

<210> 2735
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2735
gcctccctcg cgccatcagg tctcctatca gatgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gtctcctatc agatgcctga 480

gcgggctggc aaggc 495

<210> 2736
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2736
gcctccctcg cgccatcagg tctcctagtg tagcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gtctcctagt gtagcactga 480

gcgggctggc aaggc 495

<210> 2737
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2737
gcctccctcg cgccatcagg tctcctatgg cagttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gtctcctatg gcagttctga 480

gcgggctggc aaggc 495

<210> 2738
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2738
gcctccctcg cgccatcagg tctcctacag tccaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gtctcctaca gtccaactga 480

gcgggctggc aaggc 495

<210> 2739
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2739
gcctccctcg cgccatcagg tctcctagtg tctacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gtctcctagt gtctacctga 480

gcgggctggc aaggc 495

<210> 2740
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2740
gcctccctcg cgccatcagg tctcctagta cagtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gtctcctagt acagtgctga 480

gcgggctggc aaggc 495

<210> 2741
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2741
gcctccctcg cgccatcagg tctcctagga tcatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gtctcctagg atcatcctga 480

gcgggctggc aaggc 495

<210> 2742
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2742
gcctccctcg cgccatcagg tctcctatat tggcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gtctcctata ttggcgctga 480

gcgggctggc aaggc 495

<210> 2743
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2743
gcctccctcg cgccatcagg tctcctaagg cttgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gtctcctaag gcttgactga 480

gcgggctggc aaggc 495

<210> 2744
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2744
gcctccctcg cgccatcagg tctcctaaca cacgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gtctcctaac acacgtctga 480

gcgggctggc aaggc 495

<210> 2745
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2745
gcctccctcg cgccatcagg tctcctatag acggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gtctcctata gacggactga 480

gcgggctggc aaggc 495

<210> 2746
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2746
gcctccctcg cgccatcagg tctcctagag cgataccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gtctcctaga gcgatactga 480

gcgggctggc aaggc 495

<210> 2747
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2747
gcctccctcg cgccatcagg tctcctagca tctgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gtctcctagc atctgactga 480

gcgggctggc aaggc 495

<210> 2748
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2748
gcctccctcg cgccatcagg tctcctatgc tacacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gtctcctatg ctacacctga 480

gcgggctggc aaggc 495

<210> 2749
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2749
gcctccctcg cgccatcagg tctcctaaac tgccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gtctcctaaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2750
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2750
gcctccctcg cgccatcagg tctcctattg gactgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gtctcctatt ggactgctga 480

gcgggctggc aaggc 495

<210> 2751
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2751
gcctccctcg cgccatcagg tctcctatcg gtactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gtctcctatc ggtactctga 480

gcgggctggc aaggc 495

<210> 2752
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2752
gcctccctcg cgccatcagg tctcctacca tggatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gtctcctacc atggatctga 480

gcgggctggc aaggc 495

<210> 2753
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2753
gcctccctcg cgccatcagg tctcctaacg aagatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gtctcctaac gaagatctga 480

gcgggctggc aaggc 495

<210> 2754
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2754
gcctccctcg cgccatcagg tctcctaact gtggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gtctcctaac tgtggactga 480

gcgggctggc aaggc 495

<210> 2755
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2755
gcctccctcg cgccatcagg tctcctaggt gtcatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gtctcctagg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2756
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2756
gcctccctcg cgccatcagg tctcctatcg tgaagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gtctcctatc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2757
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2757
gcctccctcg cgccatcagg tctcctacac tagctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gtctcctaca ctagctctga 480

gcgggctggc aaggc 495

<210> 2758
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2758
gcctccctcg cgccatcagg tctcctaggt caactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gtctcctagg tcaactctga 480

gcgggctggc aaggc 495

<210> 2759
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2759
gcctccctcg cgccatcagg tctcctatac gtacgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gtctcctata cgtacgctga 480

gcgggctggc aaggc 495

<210> 2760
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2760
gcctccctcg cgccatcagg tctcctaatg acaccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gtctcctaat gacaccctga 480

gcgggctggc aaggc 495

<210> 2761
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2761
gcctccctcg cgccatcagg tctcctactt cacgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gtctcctact tcacgactga 480

gcgggctggc aaggc 495

<210> 2762
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2762
gcctccctcg cgccatcagg tctcctaaga atcagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gtctcctaag aatcagctga 480

gcgggctggc aaggc 495

<210> 2763
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2763
gcctccctcg cgccatcagg tctcctaagt tatgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gtctcctaag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2764
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2764
gcctccctcg cgccatcagg tctcctaagg tctcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gtctcctaag gtctcactga 480

gcgggctggc aaggc 495

<210> 2765
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2765
gcctccctcg cgccatcagg tctcctagtc atagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt gtctcctagt catagtctga 480

gcgggctggc aaggc 495

<210> 2766
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2766
gcctccctcg cgccatcagg tctcctagtg acttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctagt gacttgctga 480

gcgggctggc aaggc 495

<210> 2767
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2767
gcctccctcg cgccatcagg tctcctagat tgcagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gtctcctaga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2768
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2768
gcctccctcg cgccatcagg tctcctaact atgacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gtctcctaac tatgacctga 480

gcgggctggc aaggc 495

<210> 2769
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2769
gcctccctcg cgccatcagg tctcctaatg gtcaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtctcctaat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2770
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2770
gcctccctcg cgccatcagg tctcctagat ggcttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gtctcctaga tggcttctga 480

gcgggctggc aaggc 495

<210> 2771
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2771
gcctccctcg cgccatcagg tctcctaagc atatgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtctcctaag catatgctga 480

gcgggctggc aaggc 495

<210> 2772
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2772
gcctccctcg cgccatcagg tctcctacat atgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gtctcctaca tatgctctga 480

gcgggctggc aaggc 495

<210> 2773
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2773
gcctccctcg cgccatcagg tctcctatcg tcgatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gtctcctatc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2774
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2774
gcctccctcg cgccatcagg tctcctacag tctgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc agccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctaca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2775
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2775
gcctccctcg cgccatcagg tctcctaaac gcgtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gtctcctaaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2776
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2776
gcctccctcg cgccatcagg tctcctagta gttcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gtctcctagt agttcgctga 480

gcgggctggc aaggc 495

<210> 2777
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2777
gcctccctcg cgccatcagg tctcctacga actacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gtctcctacg aactacctga 480

gcgggctggc aaggc 495

<210> 2778
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2778
gcctccctcg cgccatcagg tctcctatta acgtcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gtctcctatt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2779
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2779
gcctccctcg cgccatcagg tctcctaagc aacctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gtctcctaag caacctctga 480

gcgggctggc aaggc 495

<210> 2780
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2780
gcctccctcg cgccatcagg tctcctattc tcgagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gtctcctatt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2781
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2781
gcctccctcg cgccatcagg tctcctaact ctacgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gtctcctaac tctacgctga 480

gcgggctggc aaggc 495

<210> 2782
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2782
gcctccctcg cgccatcagg tctcctatac cggaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtctcctata ccggaactga 480

gcgggctggc aaggc 495

<210> 2783
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2783
gcctccctcg cgccatcagg tctcctacga attgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gtctcctacg aattgcctga 480

gcgggctggc aaggc 495

<210> 2784
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2784
gcctccctcg cgccatcagg tctcctattc gctcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gtctcctatt cgctcactga 480

gcgggctggc aaggc 495

<210> 2785
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2785
gcctccctcg cgccatcagg tctcctagac gttaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtctcctaga cgttaactga 480

gcgggctggc aaggc 495

<210> 2786
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2786
gcctccctcg cgccatcagg tctcctacgt agagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gtctcctacg tagagtctga 480

gcgggctggc aaggc 495

<210> 2787
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2787
gcctccctcg cgccatcagg tctcctattc cggtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gtctcctatt ccggtactga 480

gcgggctggc aaggc 495

<210> 2788
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2788
gcctccctcg cgccatcagg tctcctagca attcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gtctcctagc aattcgctga 480

gcgggctggc aaggc 495

<210> 2789
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2789
gcctccctcg cgccatcagg tctcctatga gcgaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctatg agcgaactga 480

gcgggctggc aaggc 495

<210> 2790
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2790
gcctccctcg cgccatcagg tctcctatac taagcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtctcctata ctaagcctga 480

gcgggctggc aaggc 495

<210> 2791
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2791
gcctccctcg cgccatcagg tctcctatgg cgtatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gtctcctatg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2792
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2792
gcctccctcg cgccatcagg tctcctagat aaccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gtctcctaga taaccactga 480

gcgggctggc aaggc 495

<210> 2793
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2793
gcctccctcg cgccatcagg tctcctacta gtgaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gtctcctact agtgaactga 480

gcgggctggc aaggc 495

<210> 2794
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2794
gcctccctcg cgccatcagg tctcctaacg ttcacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gtctcctaac gttcacctga 480

gcgggctggc aaggc 495

<210> 2795
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2795
gcctccctcg cgccatcagg tctcctaatt acgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagtctcct 420

aattacgctc tgagcgggct ggcaaggc 448

<210> 2796
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2796
gcctccctcg cgccatcagg tctcctacat tgagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gtctcctaca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2797
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2797
gcctccctcg cgccatcagg tagacacctt ggttacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gtagacacct tggttactga 480

gcgggctggc aaggc 495

<210> 2798
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2798
gcctccctcg cgccatcagg tagacacacc tcttgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt gtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gtagacacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 2799
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2799
gcctccctcg cgccatcagg tagacacctg attctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gtagacacct gattctctga 480

gcgggctggc aaggc 495

<210> 2800
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2800
gcctccctcg cgccatcagg tagacacagt accgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gtagacacag taccgactga 480

gcgggctggc aaggc 495

<210> 2801
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2801
gcctccctcg cgccatcagg tagacacatc catggcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gtagacacat ccatggctga 480

gcgggctggc aaggc 495

<210> 2802
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2802
gcctccctcg cgccatcagg tagacacgta gcagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gtagacacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 2803
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2803
gcctccctcg cgccatcagg tagacacatc ttcgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gtagacacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 2804
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2804
gcctccctcg cgccatcagg tagacactcc acagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gtagacactc cacagtctga 480

gcgggctggc aaggc 495

<210> 2805
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2805
gcctccctcg cgccatcagg tagacacagc tagtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gtagacacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 2806
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2806
gcctccctcg cgccatcagg tagacactaa ccaagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gtagacacta accaagctga 480

gcgggctggc aaggc 495

<210> 2807
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2807
gcctccctcg cgccatcagg tagacaccaa gaggtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gtagacacca agaggtctga 480

gcgggctggc aaggc 495

<210> 2808
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2808
gcctccctcg cgccatcagg tagacacagt tgacccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

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gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gtagacacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 2809
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2809
gcctccctcg cgccatcagg tagacaccag catatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gtagacacca gcatatctga 480

gcgggctggc aaggc 495

<210> 2810
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2810

gcctccctcg cgccatcagg tagacacgca ggattcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

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gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gtagacacgc aggattctga 480

gcgggctggc aaggc 495

<210> 2811
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2811
gcctccctcg cgccatcagg tagacacgtc cattccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 2812
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2812
gcctccctcg cgccatcagg tagacacgca taactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gtagacacgc ataactctga 480

gcgggctggc aaggc 495

<210> 2813
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2813
gcctccctcg cgccatcagg tagacacata tgctgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacat atgctgctga 480

gcgggctggc aaggc 495

<210> 2814
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2814
gcctccctcg cgccatcagg tagacacaat cctgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

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gcgggctggc aaggc 495

<210> 2815
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2815
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacactg agacctctga 480

gcgggctggc aaggc 495

<210> 2816
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2816
gcctccctcg cgccatcagg tagacacgaa tggaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacga atggacctga 480

gcgggctggc aaggc 495

<210> 2817
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2817
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacca catggactga 480

gcgggctggc aaggc 495

<210> 2818
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2818
gcctccctcg cgccatcagg tagacacttg accatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacactt gaccatctga 480

gcgggctggc aaggc 495

<210> 2819
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2819
gcctccctcg cgccatcagg tagacacaag ccatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gtagacacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 2820
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2820
gcctccctcg cgccatcagg tagacactcc atgtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacactc catgtgctga 480

gcgggctggc aaggc 495

<210> 2821
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2821
gcctccctcg cgccatcagg tagacaccaa gtcaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacca agtcacctga 480

gcgggctggc aaggc 495

<210> 2822
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2822
gcctccctcg cgccatcagg tagacacctg caatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 2823
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2823
gcctccctcg cgccatcagg tagacacatc gacgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacat cgacgactga 480

gcgggctggc aaggc 495

<210> 2824
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2824
gcctccctcg cgccatcagg tagacacaca gactgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gtagacacac agactgctga 480

gcgggctggc aaggc 495

<210> 2825
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2825
gcctccctcg cgccatcagg tagacaccct tatagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gtagacaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 2826
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2826
gcctccctcg cgccatcagg tagacactac gcgttcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 2827
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2827
gcctccctcg cgccatcagg tagacaccta taaggcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gtagacacct ataaggctga 480

gcgggctggc aaggc 495

<210> 2828
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2828
gcctccctcg cgccatcagg tagacactct tagtccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtagacactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 2829
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2829
gcctccctcg cgccatcagg tagacactgt ctgcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtagacactg tctgcactga 480

gcgggctggc aaggc 495

<210> 2830
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2830
gcctccctcg cgccatcagg tagacacgcc attaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtagacacgc cattaactga 480

gcgggctggc aaggc 495

<210> 2831
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2831
gcctccctcg cgccatcagg tagacacgac taagacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacacga ctaagactga 480

gcgggctggc aaggc 495

<210> 2832
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2832
gcctccctcg cgccatcagg tagacacagg ttgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtagacacag gttgctctga 480

gcgggctggc aaggc 495

<210> 2833
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2833

gcctccctcg cgccatcagg tagacacctc gagaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gtagacacct cgagaactga 480

gcgggctggc aaggc 495

<210> 2834
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2834
gcctccctcg cgccatcagg tagacactta atggccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacactt aatggcctga 480

gcgggctggc aaggc 495

<210> 2835
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2835
gcctccctcg cgccatcagg tagacactgc agacacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gtagacactg cagacactga 480

gcgggctggc aaggc 495

<210> 2836
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2836
gcctccctcg cgccatcagg tagacactca ctgagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtagacactc actgagctga 480

gcgggctggc aaggc 495

<210> 2837
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2837
gcctccctcg cgccatcagg tagacacgag tacgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gtagacacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 2838
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2838
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gtagacacat acgccactga 480

gcgggctggc aaggc 495

<210> 2839
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2839
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

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gcgggctggc aaggc 495

<210> 2840
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2840
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gtagacaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 2841
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2841
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gtagacactg gttatcctga 480

gcgggctggc aaggc 495

<210> 2842
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2842
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gtagacacgg attgctctga 480

gcgggctggc aaggc 495

<210> 2843
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2843
gcctccctcg cgccatcagg tagacacctc agtgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtagacacct cagtgactga 480

gcgggctggc aaggc 495

<210> 2844
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2844
gcctccctcg cgccatcagg tagacacacg tactccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtagacacac gtactcctga 480

gcgggctggc aaggc 495

<210> 2845
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2845
gcctccctcg cgccatcagg tagacactga tgcgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtagacactg atgcgactga 480

gcgggctggc aaggc 495

<210> 2846
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2846
gcctccctcg cgccatcagg tagacacatt aagcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gtagacacat taagcgctga 480

gcgggctggc aaggc 495

<210> 2847
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2847
gcctccctcg cgccatcagg tagacacagc aatcccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gtagacacag caatccctga 480

gcgggctggc aaggc 495

<210> 2848
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2848
gcctccctcg cgccatcagg tagacacgct tagtacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gtagacacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 2849
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2849
gcctccctcg cgccatcagg tagacactga ccttgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gtagacactg accttgctga 480

gcgggctggc aaggc 495

<210> 2850
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2850
gcctccctcg cgccatcagg tagacaccaa ggtcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gtagacacca aggtcactga 480

gcgggctggc aaggc 495

<210> 2851
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2851
gcctccctcg cgccatcagg tagacaccac tgtaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gtagacacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 2852
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2852
gcctccctcg cgccatcagg tagacacgat gatcccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gtagacacga tgatccctga 480

gcgggctggc aaggc 495

<210> 2853
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2853
gcctccctcg cgccatcagg tagacaccgc caatacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gtagacaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 2854
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2854
gcctccctcg cgccatcagg tagacactca agcctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gtagacactc aagcctctga 480

gcgggctggc aaggc 495

<210> 2855
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2855
gcctccctcg cgccatcagg tagacacacg tgtgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gtagacacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 2856
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2856

gcctccctcg cgccatcagg tagacactcc gtctacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccgtctatca gctctaaaat acatggctat 180

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gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtagacactc cgtctactga 480

gcgggctggc aaggc 495

<210> 2857
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2857
gcctccctcg cgccatcagg tagacacaag agctgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gtagacacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 2858
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2858
gcctccctcg cgccatcagg tagacactat cgctccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtagacacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 2859
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2859
gcctccctcg cgccatcagg tagacactca gatgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gtagacactc agatgcctga 480

gcgggctggc aaggc 495

<210> 2860
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2860
gcctccctcg cgccatcagg tagacacgtg tagcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gtagacacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 2861
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2861
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gtagacactg gcagttctga 480

gcgggctggc aaggc 495

<210> 2862
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2862
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

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gcgggctggc aaggc 495

<210> 2863
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2863
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gtagacacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 2864
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2864
gcctccctcg cgccatcagg tagacacgta cagtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gtagacacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 2865
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2865
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gtagacacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 2866
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2866
gcctccctcg cgccatcagg tagacactat tggcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gtagacacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 2867
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2867
gcctccctcg cgccatcagg tagacacagg cttgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gtagacacag gcttgactga 480

gcgggctggc aaggc 495

<210> 2868
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2868
gcctccctcg cgccatcagg tagacacaca cacgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gtagacacac acacgtctga 480

gcgggctggc aaggc 495

<210> 2869
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2869
gcctccctcg cgccatcagg tagacactag acggacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gtagacacta gacggactga 480

gcgggctggc aaggc 495

<210> 2870
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2870
gcctccctcg cgccatcagg tagacacgag cgatacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gtagacacga gcgatactga 480

gcgggctggc aaggc 495

<210> 2871
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2871
gcctccctcg cgccatcagg tagacacgca tctgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gtagacacgc atctgactga 480

gcgggctggc aaggc 495

<210> 2872
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2872
gcctccctcg cgccatcagg tagacactgc tacaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gtagacactg ctacacctga 480

gcgggctggc aaggc 495

<210> 2873
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2873
gcctccctcg cgccatcagg tagacacaac tgccacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gtagacacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 2874
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2874
gcctccctcg cgccatcagg tagacacttg gactgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gtagacactt ggactgctga 480

gcgggctggc aaggc 495

<210> 2875
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2875
gcctccctcg cgccatcagg tagacactcg gtactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gtagacactc ggtactctga 480

gcgggctggc aaggc 495

<210> 2876
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2876
gcctccctcg cgccatcagg tagacaccca tggatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc catggattca cacagttaaa tgctgccatg 180

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gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

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gcgggctggc aaggc 495

<210> 2877
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2877
gcctccctcg cgccatcagg tagacacacg aagatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gtagacacac gaagatctga 480

gcgggctggc aaggc 495

<210> 2878
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2878
gcctccctcg cgccatcagg tagacacact gtggacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

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ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gtagacacac tgtggactga 480

gcgggctggc aaggc 495

<210> 2879
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2879

gcctccctcg cgccatcagg tagacacggt gtcatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gtagacacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 2880
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2880
gcctccctcg cgccatcagg tagacactcg tgaagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gtagacactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 2881
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2881
gcctccctcg cgccatcagg tagacaccac tagctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gtagacacca ctagctctga 480

gcgggctggc aaggc 495

<210> 2882
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2882
gcctccctcg cgccatcagg tagacacggt caactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gtagacacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 2883
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2883
gcctccctcg cgccatcagg tagacactac gtacgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gtagacacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 2884
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2884
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gtagacacat gacaccctga 480

gcgggctggc aaggc 495

<210> 2885
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2885
gcctccctcg cgccatcagg tagacacctt cacgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gtagacacct tcacgactga 480

gcgggctggc aaggc 495

<210> 2886
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2886
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gtagacacag aatcagctga 480

gcgggctggc aaggc 495

<210> 2887
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2887
gcctccctcg cgccatcagg tagacacagt tatgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gtagacacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 2888
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2888
gcctccctcg cgccatcagg tagacacagg tctcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gtagacacag gtctcactga 480

gcgggctggc aaggc 495

<210> 2889
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2889
gcctccctcg cgccatcagg tagacacgtc atagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt gtagacacgt catagtctga 480

gcgggctggc aaggc 495

<210> 2890
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2890
gcctccctcg cgccatcagg tagacacgtg acttgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 2891
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2891
gcctccctcg cgccatcagg tagacacgat tgcagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gtagacacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 2892
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2892
gcctccctcg cgccatcagg tagacacact atgaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gtagacacac tatgacctga 480

gcgggctggc aaggc 495

<210> 2893
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2893
gcctccctcg cgccatcagg tagacacatg gtcaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtagacacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 2894
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2894
gcctccctcg cgccatcagg tagacacgat ggcttcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gtagacacga tggcttctga 480

gcgggctggc aaggc 495

<210> 2895
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2895
gcctccctcg cgccatcagg tagacacagc atatgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtagacacag catatgctga 480

gcgggctggc aaggc 495

<210> 2896
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2896
gcctccctcg cgccatcagg tagacaccat atgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gtagacacca tatgctctga 480

gcgggctggc aaggc 495

<210> 2897
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2897
gcctccctcg cgccatcagg tagacactcg tcgatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gtagacactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 2898
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2898
gcctccctcg cgccatcagg tagacaccag tctgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtagacacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 2899
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2899
gcctccctcg cgccatcagg tagacacaac gcgtacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gtagacacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 2900
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2900
gcctccctcg cgccatcagg tagacacgta gttcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tagttcgtca acaataatac acagccatgt 180

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atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gtagacacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 2901
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2901
gcctccctcg cgccatcagg tagacaccga actaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccctttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gtagacaccg aactacctga 480

gcgggctggc aaggc 495

<210> 2902
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2902

gcctccctcg cgccatcagg tagacactta acgtccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gtagacactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 2903
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2903
gcctccctcg cgccatcagg tagacacagc aacctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gtagacacag caacctctga 480

gcgggctggc aaggc 495

<210> 2904
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2904
gcctccctcg cgccatcagg tagacacttc tcgagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gtagacactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 2905
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2905
gcctccctcg cgccatcagg tagacacact ctacgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gtagacacac tctacgctga 480

gcgggctggc aaggc 495

<210> 2906
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2906
gcctccctcg cgccatcagg tagacactac cggaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtagacacta ccggaactga 480

gcgggctggc aaggc 495

<210> 2907
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2907
gcctccctcg cgccatcagg tagacaccga attgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

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gcgggctggc aaggc 495

<210> 2908
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2908
gcctccctcg cgccatcagg tagacacttc gctcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gtagacactt cgctcactga 480

gcgggctggc aaggc 495

<210> 2909
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2909
gcctccctcg cgccatcagg tagacacgac gttaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtagacacga cgttaactga 480

gcgggctggc aaggc 495

<210> 2910
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2910
gcctccctcg cgccatcagg tagacaccgt agagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gtagacaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 2911
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2911
gcctccctcg cgccatcagg tagacacttc cggtacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gtagacactt ccggtactga 480

gcgggctggc aaggc 495

<210> 2912
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2912
gcctccctcg cgccatcagg tagacacgca attcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gtagacacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 2913
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2913
gcctccctcg cgccatcagg tagacactga gcgaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagcccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtagacactg agcgaactga 480

gcgggctggc aaggc 495

<210> 2914
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2914
gcctccctcg cgccatcagg tagacactac taagccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtagacacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 2915
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2915
gcctccctcg cgccatcagg tagacactgg cgtatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gtagacactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 2916
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2916
gcctccctcg cgccatcagg tagacacgat aaccacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gtagacacga taaccactga 480

gcgggctggc aaggc 495

<210> 2917
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2917
gcctccctcg cgccatcagg tagacaccta gtgaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gtagacacct agtgaactga 480

gcgggctggc aaggc 495

<210> 2918
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2918
gcctccctcg cgccatcagg tagacacacg ttcaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gtagacacac gttcacctga 480

gcgggctggc aaggc 495

<210> 2919
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2919
gcctccctcg cgccatcagg tagacacatt acgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagtagaca 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 2920
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2920
gcctccctcg cgccatcagg tagacaccat tgagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gtagacacca ttgagtctga 480

gcgggctggc aaggc 495

<210> 2921
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2921
tcttattttc ataggctcca tggatactgg aattacccag acaccaaaat acctggtcac 60

agcaatgggg agtaaaagga caatgaaacg tgagcatctg ggacatgatt ctatgtattg 120

gtacagacag aaagctaaga aatccctgga gttcatgttt tactacaact gtaaggaatt 180

cattgaaaac aagactgtgc caaatcactt cacacctgaa tgccctgaca gctctcgctt 240

ataccttcat gtggtcgcac tgcagcaaga agactcagct gcgtatctct gcaccagcag 300

<210> 2922
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2922
tctcacagga ctcacagaac ctgaagtcac ccagactccc agccatcagg tcacacagat 60

gggacaggaa gtgatcttgc gctgtgtccc catctctaat cacttatact tctattggta 120

cagacaaatc ttggggcaga aagtcgagtt tctggtttcc ttttataata atgaaatctc 180

agagaagtct gaaatattcg atgatcaatt ctcagttgaa aggcctgatg gatcaaattt 240

cactctgaag atccggtcca caaagctgga ggactcagcc atgtacttct gtgccagcag 300

<210> 2923
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2923
ttcctttgca ggtcccttgg acacagctgt ttcccagact ccaaaatacc tggtcacaca 60

gatgggaaac gacaagtcca ttaaatgtga acaaaatctg ggccatgata ctatgtattg 120

gtataaacag gactctaaga aatttctgaa gataatgttt agctacaata ataaggagct 180

cattataaat gaaacagttc caaatcgctt ctcacctaaa tctccagaca aagctcactt 240

aaatcttcac atcaattccc tggagcttgg tgactctgct gtgtatttct gtgccagcag 300

<210> 2924
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2924
ttcctttaca gatccactgg acacagccgt ttcccagact ccaaaatacc tggtcacaca 60

gatgggaaaa aaggagtctc ttaaatgaga acaaaatctg ggccataatg ctatgtattg 120

gtataaacag gactctaaga aatttctgaa gacaatgttt atctacagta acaaggagcc 180

aattttaaat gaaacagttc caaatcgctt ctcacctgac tctccagaca aagctcattt 240

aaatcttcac atcaattccc tggagcttgg tgactctgct gtgtatttct gtgccagcag 300

<210> 2925
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2925
tcctcctaca gttcccatag acactgaagt tacccagaca ccaaaacacc tggtcatggg 60

aatgacaaat aagaagtctt tgaaatgtga acaacatatg gggcacaggg ctatgtattg 120

gtacaagcag aaagctaaga agccaccgga gctcatgttt gtctacagct atgagaaact 180

ctctataaat gaaagtgtgc caagtcgctt ctcacctgaa tgccccaaca gctctctctt 240

aaaccttcac ctacacgccc tgcagccaga agactcagcc ctgtatctct gcgccagcag 300

<210> 2926
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2926
tccccccgca gtccccatgg aaacgggagt tacgcagaca ccaagacacc tggtcatggg 60

aatgacaaat aagaagtctt tgaaatgtga acaacatctg gggcataacg ctatgtattg 120

gtacaagcaa agtgctaaga agccactgga gctcatgttt gtctacaact ttaaagaaca 180

gactgaaaac aacagtgtgc caagtcgctt ctcacctgaa tgccccaaca gctctcactt 240

attccttcac ctacacaccc tgcagccaga agactcggcc ctgtatctct gtgccagcag 300

<210> 2927

<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2927
tccccccaca gtccccatgg aaacgggagt tacgcagaca ccaagacacc tggtcatggg 60

aatgacaaat aagaagtctt tgaaatgtga acaacatctg ggtcataacg ctatgtattg 120

gtacaagcaa agtgctaaga agccactgga gctcatgttt gtctacagtc ttgaagaacg 180

ggttgaaaac aacagtgtgc caagtcgctt ctcacctgaa tgccccaaca gctctcactt 240

attccttcac ctacacaccc tgcagccaga agactcggcc ctgtatctct gcgccagcag 300

<210> 2928
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2928
cttttcccac aggcccagta aaggctggag tcactcaaac tccaagatat ctgatcaaaa 60

cgagaggaca gcaagtgaca ctgagctgct cccctatctc tgggcatagg agtgtatcct 120

ggtaccaaca gaccccagga cagggccttc agttcctctt tgaatacttc agtgagacac 180

agagaaacaa aggaaacttc cctggtcgat tctcagggcg ccagttctct aactctcgct 240

ctgagatgaa tgtgagcacc ttggagctgg gggactcggc cctttatctt tgcgccagca 300

<210> 2929
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2929
ttctccacct atttttcct caggcccagt ggaggctgga atcacccaag ctccaagaca 60

cctgatcaaa acaagagacc agcaagtgac actgagatgc tcccctgcct ctgggcataa 120

ctgtgtgtcc tggtacctac gaactccaag tcagcccctc tagttattgt tacaatattg 180

taataggtta caaagagcaa aaggaaactt gcctaattga ttctcagctc accacgtcca 240

taactattac tgagtcaaac acggagctag gggactcagc cctgtatctc tgtgccagca 300

<210> 2930
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2930
cttttcccac aggcccagtg gaggctggag tcacccaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcaagtgact ctgagatgct ctcctatctc tgggcacagc agtgtgtcct 120

ggtaccaaca ggccccgggt caggggcccc agtttatctt tgaatatgct aatgagttaa 180

ggagatcaga aggaaacttc cctaatcgat tctcagggcg ccagttccat gactgttgct 240

ctgagatgaa tgtgagtgcc ttggagctgg gggactcggc cctgtatctc tgtgccagaa 300

<210> 2931
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2931
cttttcccac aggctcagtg gagactggag tcacccaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcaagtgact ctgagatgct cttctcagtc tgggcacaac actgtgtcct 120

ggtaccaaca ggccctgggt caggggcccc agtttatctt tcagtattat agggaggaag 180

agaatggcag aggaaacttc cctcctagat tctcaggtct ccagttccct aattatagct 240

ctgagctgaa tgtgaacgcc ttggagctgg acgactcggc cctgtatctc tgtgccagca 300

<210> 2932
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2932
cttttcccac aggcccagtg gacgctggag tcacccaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcaagtgact ctgagatgct ctcctatctc tgggcacaag agtgtgtcct 120

ggtaccaaca ggtcctgggt caggggcccc agtttatctt tcagtattat gagaaagaag 180

agagaggaag aggaaacttc cctgatcgat tctcagctcg ccagttccct aactatagct 240

ctgagctgaa tgtgaacgcc ttgttgctgg gggactcggc cctgtatctc tgtgccagca 300

<210> 2933
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2933
cttttcccac aggcttagtg gacgctggag tcacccaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcaagtgact ctgagatgct ctcctaagtc tgggcatgac actgtgtcct 120

ggtaccaaca ggccctgggt caggggcccc agtttatctt tcagtattat gaggaggaag 180

agagacagag aggcaacttc cctgatcgat tctcaggtca ccagttccct aactatagct 240

ctgagctgaa tgtgaacgcc ttgttgctgg gggactcggc cctctatctc tgtgccagca 300

<210> 2934
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2934
cttttcccac aggcccagtg gacgctggag tcacccaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcacgtgact ctgagatgct ctcctatctc tgggcacacc agtgtgtcct 120

cgtaccaaca ggccctgggt caggggcccc agtttatctt tcagtattat gagaaagaag 180

agagaggaag aggaaacttc cctgatcaat tctcaggtca ccagttccct aactatagct 240

ctgagctgaa tgtgaacgcc ttgttgctag gggactcggc cctctatctc tgtgccagca 300

<210> 2935
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2935
cttttcctgc aggcccagtg gaggctggag tcacacaaag tcccacacac ctgatcaaaa 60

cgagaggaca gcaagcgact ctgagatgct ctcctatctc tgggcacacc agtgtgtact 120

ggtaccaaca ggccctgggt ctgggcctcc agttcctcct ttggtatgac gagggtgaag 180

agagaaacag aggaaacttc cctcctagat tttcaggtcg ccagttccct aattatagct 240

ctgagctgaa tgtgaacgcc ttggagctgg aggactcggc cctgtatctc tgtgccagca 300

<210> 2936
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2936
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc aggtcctgaa 60

gacaggacag agcatgacac tgcagtgtgc ccaggatatg aaccataact ccatgtactg 120

gtatcgacaa gacccaggca tgggactgag gctgatttat tactcagctt ctgagggtac 180

cactgacaaa ggagaagtcc ccaatggcta caatgtctcc agattaaaca aacgggagtt 240

ctcgctcagg ctggagtcgg ctgctccctc ccagacatct gtgtacttct gtgccagcag 300

<210> 2937
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2937
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc gggtcctgaa 60

gacaggacag agcatgacac tgctgtgtgc ccaggatatg aaccatgaat acatgtactg 120

gtatcgacaa gacccaggca tggggctgag gctgattcat tactcagttg gtgagggtac 180

aactgccaaa ggagaggtcc ctgatggcta caatgtctcc agattaaaaa aacagaattt 240

cctgctgggg ttggagtcgg ctgctccctc ccaaacatct gtgtacttct gtgccagcag 300

<210> 2938
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2938
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc gggtcctgaa 60

gacaggacag agcatgacac tgctgtgtgc ccaggatatg aaccatgaat acatgtactg 120

gtatcgacaa gacccaggca tggggctgag gctgattcat tactcagttg gtgagggtac 180

aactgccaaa ggagaggtcc ctgatggcta caatgtctcc agattaaaaa aacagaattt 240

cctgctgggg ttggagtcgg ctgctccctc ccaaacatct gtgtacttct gtgccagcag 300

<210> 2939
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2939
cttctctgta ggtccagtga ttgctgggat cacccaggca ccaacatctc agatcctggc 60

agcaggacgg cgcatgacac tgagatgtac ccaggatatg agacataatg ccatgtactg 120

gtatagacaa gatctaggac tggggctaag gctcatccat tattcaaata ctgcaggtac 180

cactggcaaa ggagaagtcc ctgatggtta tagtgtctcc agagcaaaca cagatgattt 240

ccccctcacg ttggcgtctg ctgtaccctc tcagacatct gtgtacttct gtgccagcag 300

<210> 2940
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2940
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc aggtcctgaa 60

gacaggacag agcatgacac tgcagtgtgc ccaggatatg aaccatgaat acatgtcctg 120

gtatcgacaa gacccaggca tggggctgag gctgattcat tactcagttg gtgctggtat 180

cactgaccaa ggagaagtcc ccaatggcta caatgtctcc agatcaacca cagaggattt 240

cccgctcagg ctgctgtcgg ctgctccctc ccagacatct gtgtacttct gtgccagcag 300

<210> 2941
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2941
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc gcatcctgaa 60

gataggacag agcatgacac tgcagtgtac ccaggatatg aaccataact acatgtactg 120

gtatcgacaa gacccaggca tggggctgaa gctgatttat tattcagttg gtgctggtat 180

cactgataaa ggagaagtcc cgaatggcta caacgtctcc agatcaacca cagaggattt 240

cccgctcagg ctggagttgg ctgctccctc ccagacatct gtgtacttct gtgccagcag 300

<210> 2942
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2942
cttccctgca ggtccaatga atgctggtgt cactcagacc ccaaaattcc acgtcctgaa 60

gacaggacag agcatgactc tgctgtgtgc ccaggatatg aaccatgaat acatgtatcg 120

gtatcgacaa gacccaggca aggggctgag gctgatttac tactcagttg ctgctgctct 180

cactgacaaa ggagaagttc ccaatggcta caatgtctcc agatcaaaca cagaggattt 240

ccccctcaag ctggagtcag ctgctccctc tcagacttct gtttacttct gtgccagcag 300

<210> 2943
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2943
gttcttctct gcaggtcccg tgaatgctgg tgtcactcag accccaaaat tccacatcct 60

gaagacagga cagagcatga cactgcagtg tgcccaggat atgaaccatg gatacatgtc 120

ctggtatcga caagacccag gcatggggct gagactgatt tactactcag ctgctgctgg 180

tactactgac aaagaagtcc ccaatggcta caatgtctct agattaaaca cagaggattt 240

cccactcagg ctggtgtcgg ctgctccctc ccagacatct gtgtacttgt gtgccagcag 300

<210> 2944
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2944
cttctctgca ggtccagtga atgctggtgt cactcagacc ccaaaattcc acatcctgaa 60

gacaggacag agcatgacac tgcagtgtgc ccaggatatg aaccatggat acttgtcctg 120

gtatcgacaa gacccaggca tggggctgag gcgcattcat tactcagttg ctgctggtat 180

cactgacaaa ggagaagtcc ccgatggcta caatgtatcc agatcaaaca cagaggattt 240

cccgctcagg ctggagtcag ctgctccctc ccagacatct gtatacttct gtgccagcag 300

<210> 2945
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2945
ctccacagat cacacaggtg ctggagtctc ccagtccctg agacacaagg tagcaaagaa 60

gggaaaggat gtagctctca gatatgatcc aatttcaggt cataatgccc tttattggta 120

ccgacagagc ctggggcagg gcctggagtt tccaatttac ttccaaggca aggatgcagc 180

agacaaatcg gggcttcccc gtgatcggtt ctctgcacag aggtctgagg gatccatctc 240

cactctgaag ttccagcgca cacagcaggg ggacttggct gtgtatctct gtgccagcag 300

<210> 2946
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2946
ctccacagat cacacaggag ctggagtctc ccagtccccc agtaacaagg tcacagagaa 60

gggaaaggat gtagagctca ggtgtgatcc aatttcaggt catactgccc tttactggta 120

ccgacagagc ctggggcagg gcctggagtt tttaatttac ttccaaggca acagtgcacc 180

agacaaatca gggctgccca gtgatcgctt ctctgcagag aggactgggg gatccgtctc 240

cactctgacg atccagcgca cacagcagga ggactcggcc gtgtatctct gtgccagcag 300

<210> 2947
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2947
ctccgcagat cacacaggtg ctggagtctc ccagaccccc agtaacaagg tcacagagaa 60

gggaaaatat gtagagctca ggtgtgatcc aatttcaggt catactgccc tttactggta 120

ccgacaaagc ctggggcagg gcccagagtt tctaatttac ttccaaggca cgggtgcggc 180

agatgactca gggctgccca acgatcggtt ctttgcagtc aggcctgagg gatccgtctc 240

tactctgaag atccagcgca cagagcgggg ggactcagcc gtgtatctct gtgccagcag 300

<210> 2948
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2948
ttccacagat cacacaggtg ctggagtctc ccagtcccca aggtacaaag tcgcaaagag 60

gggacgggat gtagctctca ggtgtgattc aatttcgggt catgtaaccc tttattggta 120

ccgacagacc ctggggcagg gctcagaggt tctgacttac tcccagagtg atgctcaacg 180

agacaaatca gggcggccca gtggtcggtt ctctgcagag aggcctgaga gatccgtctc 240

cactctgaag atccagcgca cagagcaggg ggactcagct gtgtatctct gtgccagcag 300

<210> 2949
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2949
tttccacaga tcacacaggt gctggagtct cccagtcccc aaggtacgaa gtcacacaga 60

ggggacagga tgtagctccc aggtgtgatc caatttcggg tcaggtaacc ctttattggt 120

accgacagac cctggggcag ggccaagagt ttctgacttc cttccaggat gaaactcaac 180

aagataaatc agggctgctc agtgatcaat tctccacaga gaggtctgag gatctttctc 240

cacctgaaga tccagcgcac agagcaaggg cgactcggct gtgtatctct gtgccagaag 300

<210> 2950
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2950
ttccacagat cacacaggtg ctggagtctc ccagtctccc aggtacaaag tcacaaagag 60

gggacaggat gtagctctca ggtgtgatcc aatttcgggt catgtatccc tttattggta 120

ccgacaggcc ctggggcagg gcccagagtt tctgacttac ttcaattatg aagcccaaca 180

agacaaatca gggctgccca atgatcggtt ctctgcagag aggcctgagg gatccatctc 240

cactctgacg atccagcgca cagagcagcg ggactcggcc atgtatcgct gtgccagcag 300

<210> 2951
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2951
ttccacagat cacacaggtg ctggagtctc ccagtctccc aggtacaaag tcacaaagag 60

gggacaggat gtaactctca ggtgtgatcc aatttcgagt catgcaaccc tttattggta 120

tcaacaggcc ctggggcagg gcccagagtt tctgacttac ttcaattatg aagctcaacc 180

agacaaatca gggctgccca gtgatcggtt ctctgcagag aggcctgagg gatccatctc 240

cactctgacg attcagcgca cagagcagcg ggactcagcc atgtatcgct gtgccagcag 300

<210> 2952
<211> 300
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2952
ttccacagat cacacaggtg ctggagtctc ccagtcccct aggtacaaag tcgcaaagag 60

aggacaggat gtagctctca ggtgtgatcc aatttcgggt catgtatccc ttttttggta 120

ccaacaggcc ctggggcagg ggccagagtt tctgacttat ttccagaatg aagctcaact 180

agacaaatcg gggctgccca gtgatcgctt ctttgcagaa aggcctgagg gatccgtctc 240

cactctgaag atccagcgca cacagcagga ggactccgcc gtgtatctct gtgccagcag 300

<210> 2953
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2953
ctccacagat cacgcagata ctggagtctc ccagaacccc agacacaaga tcacaaagag 60

gggacagaat gtaactttca ggtgtgatcc aatttctgaa cacaaccgcc tttattggta 120

ccgacagacc ctggggcagg gcccagagtt tctgacttac ttccagaatg aagctcaact 180

agaaaaatca aggctgctca gtgatcggtt ctctgcagag aggcctaagg gatctttctc 240

caccttggag atccagcgca cagagcaggg ggactcggcc atgtatctct gtgccagcag 300

<210> 2954
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2954
ctgcctgcct ctcccacagc ccccatggag gcagggatca gccagatacc aagatatcac 60

agacacacag ggaaaaagat catcctgaaa tttgctcaga ttaggaacca ttattcagtg 120

ttctgttatc aataagacca agaatagggg ctgaggctga tccattattc aggtagtatt 180

ggcagcatga ccaaaggcgg tgccaaggaa gggtacaatg tctctggaaa caaactcaag 240

cattttccct caaccctgga gtctactagc accagccaga cctctgtacc tctgtggcag 300

<210> 2955
<211> 300
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2955
ttcactttct gtctgcctct ccagcaggct ctattgatgc tgggatcacc cagatgccaa 60

gatatcacat tgtacagaag aaagagatga tcctggaatg tgctcaggtt aggaacagtg 120

ttctgatatc gacaggaccc aagacggggg ctgaagctta tccactattc aggcagtggt 180

cacagcagga ccaaagttga tgtcacagag gggtactgtg tttcttgaaa caagcttgag 240

catttcccca atcctggcat ccaccagcac cagccagacc tatctgtacc actgtggcag 300

<210> 2956
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2956
tctgacacac aggcccagtg gattctggag tcacacaaac cccaaagcac ctgatcacag 60

caactggaca gcgagtgacg ctgagatgct cccctaggtc tggagacctc tctgtgtact 120

ggtaccaaca gagcctggac cagggcctcc agttcctcat tcagtattat aatggagaag 180

agagagcaaa aggaaacatt cttgaacgat tctccgcaca acagttccct gacttgcact 240

ctgaactaaa cctgagctct ctggagctgg gggactcagc tttgtatttc tgtgccagca 300

<210> 2957
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2957
ctctattaca ggacacaggg atgctgaaat cacccagagc ccaagacaca agatcacaga 60

gacaggaagg caggtgacct tggcgtgtca ccagacttgg aaccacaaca atatgttctg 120

gtatcgacaa gacctgggac atgggctgag gctgatccat tactcatatg gtgttcaaga 180

cactaacaaa ggagaagtct cagatggcta cagtgtctct agatcaaaca cagaggacct 240

ccccctcact ctggagtctg ctgcctcctc ccagacatct gtatatttct gcgccagcag 300

<210> 2958
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2958
ctctattaca ggacacaggg atgctggaat cacccagagc ccaagataca agatcacaga 60

gacaggaagg caggtgacct tgatgtgtca ccagacttgg agccacagct atatgttctg 120

gtatcgacaa gacctgggac atgggctgag gctgatctat tactcagcag ctgctgatat 180

tacagataaa ggagaagtcc ccgatggcta tgttgtctcc agatccaaga cagagaattt 240

ccccctcact ctggagtcag ctacccgctc ccagacatct gtgtatttct gcgccagcag 300

<210> 2959
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2959
ttctattaca ggacacatgg atgctggaat cacccagagc ccaagacaca aggtcacaga 60

gacaggaaca ccagtgactc tgagatgtca ccagactgag aaccaccgct atatgtactg 120

gtatcgacaa gacccggggc atgggctgag gctgatccat tactcatatg gtgttaaaga 180

tactgacaaa ggagaagtct cagatggcta tagtgtctct agatcaaaga cagaggattt 240

cctcctcact ctggagtccg ctaccagctc ccagacatct gtgtacttct gtgccatcag 300

<210> 2960
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2960
cccaacagaa ctctcagaag ctgaagttgc ccagtccccc agatataaga ttacagagaa 60

aagccaggct gtggcttttt ggtgtgatcc tatttctggc catgctaccc tttactggta 120

ccggcagatc ctgggacagg gcccggagct tctggttcaa tttcaggatg agagtgtagt 180

agatgattca cagttgccta aggatcgatt ttctgcagag aggctcaaag gagtagactc 240

cactctcaag atccagcctg cagagcttgg ggactcggcc atgtatctct gtgccagcag 300

<210> 2961
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2961
cttctcagaa ctcacagaag ctggagttgc ccagtctccc agatataaga ttatagagaa 60

aaggcagagt gtggcttttt ggtgcaatcc tatatctggc catgctaccc tttactggta 120

ccagcagatc ctgggacagg gcccaaagct tctgattcag tttcagaata acggtgtagt 180

ggatgattca cagttgccta aggatcgatt ttctgcagag aggctcaaag gagtagactc 240

cactctcaag atccagcctg caaagcttga ggactcggcc gtgtatctct gtgccagcag 300

<210> 2962
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2962
ccccacagaa ctcatagaag ctggagtggt tcagtctccc agatataaga ttatagagaa 60

aaaacagcct gtggcttttt ggtgcaatcc tatttctggc cacaataccc tttactggta 120

cctgcagaac ttgggacagg gcccggagct tctgattcga tatgagaatg aggaagcagt 180

agacgattca cagttgccta aggatcgatt ttctgcagag aggctcaaag gagtagactc 240

cactctcaag atccagcctg cagagcttgg ggactcggcc gtgtatctct gtgccagcag 300

<210> 2963
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2963
ttttatagca cacacagatg ctggtgttat ccagtcaccc aggcacaaag tgacagagat 60

gggacaatca gtaactctga gatgcgaacc aatttcaggc cacaatgatc ttctctggta 120

cagacagacc tttgtgcagg gactggaatt gctgaattac ttctgcagct ggaccctcgt 180

agatgactca ggagtgtcca aggattgatt ctcagcacag atgcctgatg tatcattctc 240

cactctgagg atccagccca tggaacccag ggacttgggc ctatatttct gtgccagcag 300

<210> 2964
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2964
ttttatagca tgcacagatg ctggcattat ccagtcaccc aagcatgagg tgacagaaat 60

gggacaaaca gtgactctga gatgtgagcc aatttttggc cacaatttcc ttttctggta 120

cagagatacc ttcgtgcagg gactggaatt gctgagttac ttccggagct gatctattat 180

agataatgca ggtatgccca cagagcgatt ctcagctgag aggcctgatg gatcattctc 240

tactctgaag atccagcctg cagagcaggg ggactcggcc gtgtatgtct gtgcaagtcg 300

<210> 2965
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2965
tttcatagag catacagatg ctggagttat ccagtcaccc cgccatgagg tgacagagat 60

gggacaagaa gtgactctga gatgtaaacc aatttcaggc cacaactccc ttttctggta 120

cagacagacc atgatgcggg gactggagtt gctcatttac tttaacaaca acgttccgat 180

agatgattca gggatgcccg aggatcgatt ctcagctaag atgcctaatg catcattctc 240

cactctgaag atccagccct cagaacccag ggactcagct gtgtacttct gtgccagcag 300

<210> 2966
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2966
cttcatagag cacacagatg ctggagttat ccagtcaccc cggcacgagg tgacagagat 60

gggacaagaa gtgactctga gatgtaaacc aatttcagga cacgactacc ttttctggta 120

cagacagacc atgatgcggg gactggagtt gctcatttac tttaacaaca acgttccgat 180

agatgattca gggatgcccg aggatcgatt ctcagctaag atgcctaatg catcattctc 240

cactctgaag atccagccct cagaacccag ggactcagct gtgtacttct gtgccagcag 300

<210> 2967
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2967
tttcacagag cttatagatg ctagagtcac ccagacacca aggcacaagg tgacagagat 60

gggacaagaa gtaacaatga gatgtcagcc aattttaggc cacaatactg ttttctggta 120

cagacagacc atgatgcaag gactggagtt gctggcttac ttccgcaacc gggctcctct 180

agatgattcg gggatgccga aggatcgatt ctcagcagag atgcctgatg caactttagc 240

cactctgaag atccagccct cagaacccag ggactcagct gtgtattttt gtgctagtgg 300

<210> 2968
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2968
ttcctccaca gtttcagtgg ctgctggagt catccagtcc ccaagacatc tgatcaaaga 60

aaagagggaa acagccactc tgaaatgcta tcctatccct agacacgaca ctgtctactg 120

gtaccagcag ggtccaggtc aggaccccca gttcctcatt tcgttttatg aaaagatgca 180

gagcgataaa ggaagcatcc ctgatcgatt ctcagctcaa cagttcagtg actatcattc 240

tgaactgaac atgagctcct tggagctggg ggactcagcc ctgtacttct gtgccagcag 300

<210> 2969
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2969
tcccacagag cacatagaag ctggagttac tcagttcccc agccacagcg taatagagaa 60

gggccagact gtgactctga gatgtgaccc aatttctgga catgataatc tttattggta 120

tcgacgtgtt atgggaaaag aaataaaatt tctgttacat tttgtgaaag agtctaaaca 180

ggatgagtcc ggtatgccca acaatcgatt cttagctgaa aggactggag ggacgtattc 240

tactctgaag gtgcagcctg cagaactgga ggattctgga gtttatttct gtgccagcag 300

<210> 2970
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2970
tttctctaca ggtcatgggg atgccatggt catccagaac ccaagatacc aggttaccca 60

gtttggaaag ccagtgaccc tgagttgttc tcagactttg aaccataacg tcatgtactg 120

gtaccagcag aagtcaagtc aggccccaaa gctgctgttc cactactatg acaaagattt 180

taacaatgaa gcagacaccc ctgataactt ccaatccagg aggccgaaca cttctttctg 240

ctttcttgac atccgctcac caggcctggg ggacacagcc atgtacctgt gtgccaccag 300

<210> 2971
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2971
ctttacaggt tctcctggtg aagaagtcgc ccagactcca aaacatcttg tcagagggga 60

aggacagaaa gcaaaattat attgtgcccc aataaaagga cacagttatg ttttttggta 120

ccaacaggtc ctgaaaaacg agttcaagtt cttgatttcc ttccagaatg aaaatgtctt 180

tgatgaaaca ggtatgccca aggaaagatt ttcagctaag tgcctcccaa attcaccctg 240

tagccttgag atccaggcta cgaagcttga ggattcagca gtgtattttt gtgccagcag 300

<210> 2972
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2972
ttcttccaca ggacactcgg agcctggagt cagccagacc cccagacaca aggtcaccaa 60

catgggacag gaggtgattc tgaggtgcga tccatcttct ggtcacatgt ttgttcactg 120

gtaccgacag aatctgaggc aagaaatgaa gttgctgatt tccttccagt accaaaacat 180

tgcagttgat tcagggatgc ccaaggaacg attcacagct gaaagaccta acggaacgtc 240

ttccacgctg aagatccatc ccgcagagcc gagggactca gccgtgtatc tctacagtag 300

<210> 2973
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2973
cctctgaggt ctctcaaatg ccggcgtcat gcagaaccca agacacctgg tcaggaggag 60

gggacaggag gcaagactga gatgcagccc aatgaaagga cacagtcatg tttactggta 120

tcggcagctc ccagaggaag gtctgaaatt catggtttat ctccagaaag aaaatatcat 180

agatgagtca ggaatgccaa aggaacgatt ttctgctgaa tttcccaaag agggccccag 240

catcctgagg atccagcagg tagtgcgagg agattcggca gcttatttct gtgccagctc 300

<210> 2974
<211> 300

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2974
ttcttttcca gacaccgtgg atggtggaat cactcagtcc ccaaagtacc tgttcagaaa 60

ggaaggacag aatgtgaccc tgagttgtga acagaatttg aaccacgatg ccatgtactg 120

gtaccgacag gacccagggc aagggctgag attgatctac tactcacaga tagtaaatga 180

ctttcagaaa ggagatatag ctgaagggta cagcgtctct cgggagaaga aggaatcctt 240

tcctctcact gtgacatcgg cccaaaagaa cccgacagct ttctatctct gtgccagtag 300

<210> 2975
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2975
aggctccggg cttggtgctg tcgtctctca acatccgagc tgggttatct gtaagagtgg 60

aacctctgtg aagatcgagt gccgttccct ggactttcag gccacaacta tgttttggta 120

tcgtcagttc ccgaaacaga gtctcatgct gatggcaact tccaatgagg gctccaaggc 180

cacatacgag caaggcgtcg agaaggacaa gtttctcatc aaccatgcaa gcctgacctt 240

gtccactctg acagtgacca gtgcccatcc tgaagacagc agcttctaca tctgcagtgc 300

<210> 2976
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2976
ctccacaggc tccacggaca ccaaggtcac ccagagacct agacttctgg tcaaagcaag 60

tgaacagaaa gcaaagatgg attgtgttcc tataaaagca catagttatg tttactggta 120

tcgtaagaag ctggaagaag agctcaagtt tttggtttac tttcagaatg aagaacttat 180

tcagaaagca gaaataatca atgagcgatt tttagcccaa tgctccaaaa actcatcctg 240

taccttggag atccagtcca cggagtcagg ggacacagca ctgtatttct gtgccagcag 300

<210> 2977
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2977
ttgtctcttg gacccttgga tgctgacatc tatcagatgc cattccagct cactggggct 60

ggatgggatg tgactctgga gtggaaacgg aatttgagac acaatgacat gtactgctac 120

tggtactggc aggacccaaa gcaaaatctg agactgatct attactcaag ggttgaaaag 180

gatattcaga gaggagatct aactgaaggc tacgtgtctg ccaagaggag aaggggctat 240

ttcttctcag ggtgaagttg gcccacacca gccaaacagc tttgtacttc tgtcctggga 300

<210> 2978
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2978
tcttacagac tcttttcatg ccaaagtcac acagactcca ggacatttgg tcaaaggaaa 60

aggacagaaa acaaagatgg attgtacccc cgaaaaagga catacttttg tttattggta 120

tcaacagaat cagaataaag agtttatgct tttgatttcc tttcagaatg aacaagttct 180

tcaagaaacg gagatgcaca agaagcgatt ctcatctcaa tgccccaaga acgcaccctg 240

cagcctggca atcctgtcct cagaaccggg agacacggca ctgtatctct gcgccagcag 300

<210> 2979
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2979
atttccacag ggtccatgga tgctgatgtt acccagaccc caaggaatag gatcacaaag 60

acaggaaaga ggattatgct ggaatgttct cagactaagg gtcatgatag aatgtactgg 120

tatcgacaag acccaggact gggcctacgg ttgatctatt actcctttga tgtcaaagat 180

ataaacaaag gagagatctc tgatggatac agtgtctctc gacaggcaca ggctaaattc 240

tccctgtccc tagagtctgc catccccaac cagacagctc tttacttctg tgccaccagt 300

<210> 2980
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 2980
tcttcccata ggcctcatgg aagctgacat ctaccagacc ccaagatacc ttgttatagg 60

gacaggaaag aagatcactc tggaatgttc tcaaaccatg ggccatgaca aaatgtactg 120

gtatcaacaa gatccaggaa tggaactaca cctcatccac tattcctatg gagttaattc 180

cacagagaag ggagatcttt cctctgagtc aacagtctcc agaataagga cggagcattt 240

tcccctgacc ctggagtctg ccaggccctc acatacctct cagtacctct gtgccagcag 300

<210> 2981
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2981
ccccccaaca ggcctcaagg atgctgtagt tacacaattc ccaagacaca gaatcattgg 60

gacaggaaag gaattcattc tacagtgttc ccagaatatg aatcatgtta caatgtactg 120

gtatcgacag gacccaggac ttggactgaa gctggtctat tattcacctg gcactgggag 180

cactgaaaaa ggagatatct ctgaggggta tcatgtttct tgaaatacta tagcatcttt 240

tcccctgacc ctgaagtctg ccagcaccaa ccagacatct gtgtatctct atgccagcag 300

<210> 2982
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2982
ttcctttaca ggccccctgg aagcccaagt gacccagaac ccaagatacc tcatcacagt 60

gactggaaag aagttaacag tgacttgttc tcagaatatg aaccatgagt atatgtcctg 120

gtatcgacaa gacccagggc tgggcttaag gcagatctac tattcaatga atgttgaggt 180

gactgataag ggagatgttc ctgaagggta caaagtctct cgaaaagaga agaggaattt 240

ccccctgatc ctggagtcgc ccagccccaa ccagacctct ctgtacttct gtgccagcag 300

<210> 2983
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2983

gtctctcaca ggcctcgtag atgtgaaagt aacccagagc tcgagatatc tagtcaaaag 60

gacgggagag aaagtttttc tggaatgtgt ccaggatatg gaccatgaaa atatgttctg 120

gtatcgacaa gacccaggtc tggggctacg gctgatctat ttctcatatg atgttaaaat 180

gaaagaaaaa ggagatattc ctgaggggta cagtgtctct agagagaaga aggagcgctt 240

ctccctgatt ctggagtccg ccagcaccaa ccagacatct atgtacctct gtgccagcag 300

<210> 2984
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2984
actaggctct gtgttcagtg ctgtcatctc tcaaaagcca agcagggata tctgtcaacg 60

tggaacctcc ctgacgatcc agtgtcaagt cgatagccaa gtcaccatga tgttctggta 120

ccgtcagcaa cctggacaga gcctgacact gatcgcaact gcaaatcagg gctctgaggc 180

cacatatgag agtggatttg tcattgacaa gtttcccatc agccgcccaa acctaacatt 240

ctcaactctg actgtgagca acatgagccc tgaagacagc agcatatatc tctgcagcgt 300

<210> 2985
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2985
tatctttccc acaggggtca gatctcagac tattcatcaa tggccagcga ccctggtgca 60

gcctgtgggc agcccgctct ctctggagtg cactgtggag ggaacatcaa accccaacct 120

atactggtac cgacaggctg caggcagggg cctccagctg ctcttctact ccgttggtat 180

tggccagatc agctctgagg tgccccagaa tctctcagcc tccagacccc aggaccggca 240

gttcatcctg agttctaaga agctccttct cagtgactct ggcttctatc tctgtgcctg 300

<210> 2986
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2986
tctttctgtc ttctgtcccc tcagctcata aaccccagct cgtagaagct gaagccacct 60

agactctaag acacctgatt gcagagacag gaaaggagtt ctcaagataa gtgccaagat 120

ttcatactgg ttttcacaag aatcagggtt ggaattagag ccgactcatt attcagttaa 180

cattgacatt gttgattaga gacatatccc tattgaaaat atttcctggc aaaaaataga 240

agttctcttt ggctctgaaa tctgcaactc cctttcaggt gtccctgtgt ccttgtaccg 300

<210> 2987
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2987
cagaccctga gatgaggcag gaaagttgta tcggaatgtt ttcagactat caaccagacc 60

aaacgttctg gaatccataa gatccagggc tggggataaa tttaatctat taattattct 120

tctgaagttg gcagctttga aaaagatgcc ctgagtcagc atagtcattc taaccaaaaa 180

gaaaaaaggg aaaaaataat catctttccc aacccttaaa tcgtccagca ctaaccagac 240

tctgagaccc tctgcagcag cagcctatca gtgcagccac atcctctctg agcggatatg 300

<210> 2988
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2988
tcttattttc ataggctcca tggatactgg aattacccag acaccaaaat acctggtcac 60

agcaatgggg agtaaaagga caatgaaacg tgagcatctg ggacatgatt ctatgtattg 120

gtacagacag aaagctaaga aatccctgga gttcatgttt tactacaact gtaaggaatt 180

cattgaaaac aagactgtgc caaatcactt cacacctgaa tgccctgaca gctctcgctt 240

ataccttcat gtggtcgcac tgcagcaaga agactcagct gcgtatctct gcaccagcag 300

<210> 2989
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2989
actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 60

ttcttttgca gatccgtcac agggaaaagt gggtccacag 100

<210> 2990

<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2990
tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 60

taggaggggt gcgatgaggg aggactctgt cctgggaaat 100

<210> 2991
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2991
gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 60

ctggacagct gggaacttgc aaaaaggggc tggaatccag 100

<210> 2992
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2992
aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 60

tctttcggga tagtgtatca taaggtcgga gttccaggag 100

<210> 2993
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2993
atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 60

agggtggtat ggccattgtc ccttgaaggc agagttctct 100

<210> 2994
<211> 100
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2994
ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 60

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat 100

<210> 2995
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2995
acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 60

caggtgggag agagggtgag cagcccagcc tgcacgaccc 100

<210> 2996
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2996
accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 60

ggggctccgg agagctccga gagggcggga tgggcagagg 100

<210> 2997
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2997
agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 60

gctgaagccc cggaactggg gaggggcgc cccgggacgc 100

<210> 2998
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 2998

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 60

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg 100

<210> 2999
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 2999
gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 60

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg 100

<210> 3000
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3000
gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 60

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg 100

<210> 3001
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3001
acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 60

cccaccttcc agcccctcgg tccccggagt cggagggtgg 100

<210> 3002
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3002
agtcagatat cttccaactt ggaagggaga acgaagtcag tcaccaggct gactgggtca 60

tctgctgaaa tcacctgtga tcttcctgga gcaagtacct tatacatcca ctggtacctg 120

caccaggagg ggaaggcccc acagtgtctt ctgtactatg aaccctacta ctccagggtt 180

gtgctggaat caggaatcac tccaggaaag tatgacactg gaagcacaag gagcaattgg 240

aatttgagac tgcaaaatct aattaaaaat gattctgggt tctattactg tgccacctgg 300

<210> 3003
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3003
cagaaatctt ccaacttgga agggagaacg aagtcagtca tcaggcagac tgggtcatct 60

gctgaaatca cttgtgatct tgctgaagga agtaacggct acatccactg gtacctacac 120

caggagggga aggccccaca gcgtcttcag tactatgact cctacaactc caaggttgtg 180

ttggaatcag gagtcagtcc agggaagtat tatacttacg caagcacaag gaacaacttg 240

agattgatac tgcgaaatct aattgaaaat gactttgggg tctattactg tgccacctgg 300

<210> 3004
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3004
cagaaatctt ccaacttgga agggagaacg aagtcagtca ccaggcagac tgggtcatct 60

gctgaaatca cttgcgatct tactgtaaca aataccttct acatccactg gtacctacac 120

caggagggga aggccccaca gcgtcttctg tactatgacg tctccaccgc aagggatgtg 180

ttggaatcag gactcagtcc aggaaagtat tatactcata cacccaggag gtggagctgg 240

atattgagac tgcaaaatct aattgaaaat gattctgggg tctattactg tgccacctgg 300

<210> 3005
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3005
cagaaatctt ccaacttgga agggagaacg aagtcagtca tcaggcagac tgggtcatct 60

gctgaaatca cttgtgatct tgctgaagga agtaccggct acatccactg gtacctacac 120

caggagggga aggccccaca gcgtcttctg tactatgact cctacacctc cagcgttgtg 180

ttggaatcag gaatcagccc agggaagtat gatacttacg gaagcacaag gaagaacttg 240

agaatgatac tgcgaaatct tattgaaaat gactctggag tctattactg tgccacctgg 300

<210> 3006
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3006
cagaaatctt ccaacttgga agggggaacg aagtcagtca cgaggccgac taggtcatct 60

gctgaaatca cttgtgacct tactgtaata aatgccttct acatccactg gtacctacac 120

caggagggga aggccccaca gcgtcttctg tactatgacg tctccaactc aaaggatgtg 180

ttggaatcag gactcagtcc aggaaagtat tatactcata cacccaggag gtggagctgg 240

atattgatac tacgaaatct aattgaaaat gattctgggg tctattactg tgccacctgg 300

<210> 3007
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3007
cagaaatctt ccaacttgga agggagaatg aagtcagtca ccaggccgac tgggtcatct 60

gctgaaatca cttgtgacct tactgtaata aatgccgtct acatccactg gtacctacag 120

caggagggga agaccccaca gcatcttctg cactatgatg tctccaactc aagggatgtg 180

ttggaatcag gtctcagtct tggaaagtat tatactcata caccgaggag gtggagctgg 240

aatttgagac tgcaaaatct aattgaaaat gattctgggg tctattactg tgccacctgg 300

<210> 3008
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3008
agtcagatat ctactaactt ggaagcgaaa ataaagtcag gcaccaggca gatggggtca 60

tctgctgtaa tcacctgtga tcttcctgta gaaaatgcct tctacatcca ctggtaccta 120

cgccaggagg ggaaggcccc acagcatctt ctgtactatg acatctgcaa ctccagggat 180

atgttggaat caggagtcag tcaggaaagc atgatactta tggaagtaga aggataagct 240

ggaaatttat acctccaaaa ctaaatgaaa atgcctctgg ggtctattac tgtgccacct 300

<210> 3009
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3009
agtcagaaat cttccaactt gcaagggaga aggaagtcag tcaccaggcc agctgggtca 60

tctgctgtaa tcacttgtga tcttactgta ataaatacct tctacatcca ctggtacctg 120

caccaggcgg ggaaggcccc acagcatctt ccatactatg acccctacta ctccagggtt 180

gtgttggaat caagaatcag tagaggaaag tattttactt atgcaagcat gaggaggagc 240

tggaaattga tactgcaaaa tctaattgaa aatgattctg gatctattac tgtgccacct 300

<210> 3010
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3010
cagaaatctt ccaacttgga agggagaaca aagtcagtca ccaggccaac tgggtcatca 60

gctgtaatca cttgtgatct tcctgtagaa aatgccgtct acacccactg gtacctacac 120

caggagggga aggccccaca gcgtcttctg tactatgact cctacaactc cagggttgtg 180

ttggaatcag gaatcagtcg agaaaagtat catacttatg caagcacagg gaagagcctt 240

aaatttatac tggaaaatct aattgaacgt gactctgggg tctattactg tgccacctgg 300

<210> 3011
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3011
gcaggtcacc tagagcaacc tcaaatttcc agtactaaaa cgctgtcaaa aacagcccgc 60

ctggaatgtg tggtgtctgg aataacaatt tctgcaacat ctgtatattg gtatcgagag 120

agacctggtg aagtcataca gttcctggtg tccatttcat atgacggcac tgtcagaaag 180

gaatccggca ttccgtcagg caaatttgag gtggatagga tacctgaaac gtctacatcc 240

actctcacca ttcacaatgt agagaaacag gacatagcta cctactactg tgccttgtgg 300

<210> 3012
<211> 300
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3012
ttatcaaaag tggagcagtt ccagctatcc atttccacgg aagtcaagaa aagtattgac 60

ataccttgca agatatcgag cacaaggttt gaaacagatg tcattcactg gtaccggcag 120

aaaccaaatc aggctttgga gcacctgatc tatattgtct caacaaaatc cgcagctcga 180

cgcagcatgg gtaagacaag caacaaagtg gaggcaagaa agaattctca aactctcact 240

tcaatcctta ccatcaagtc cgtagagaaa gaagacatgg ccgtttacta ctgtgctgcg 300

<210> 3013
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3013
gggcagttgg aacaacctga aatatctatt tccagaccag caaataagag tgcccacata 60

tcttggaagg catccatcca aggctttagc agtaaaatca tacactggta ctggcagaaa 120

ccaaacaaag gcttagaata tttattacat gtcttcttga caatctctgc tcaagattgc 180

tcaggtggga agactaagaa acttgaggta agtaaaaatg ctcacacttc cacttccact 240

ttgaaaataa agttcttaga gaaagaagat gaggtggtgt accactgtgc ctgctggatt 300

<210> 3014
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3014
tccctgacag ctggctggtg gctcatcagg ccggagcagc tggcccatgt cctggggcac 60

tagggaagct tggtcatcct gcagtgcgtg gtccgcacca ggatcagcta cacccactgg 120

taccagcaga agggccaggt ccctgaggca ctccaccagc tggccatgtc caagttggat 180

gtgcagtggg attccatcct gaaagcagat aaaatcatag ccaaggatgg cagcagctct 240

atcttggcag tactgaagtt ggagacaggc atcgagggca tgaactactg cacaacctgg 300

<210> 3015
<211> 300
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3015
gcaataaaaa atgtcaacta catttttgtc aacagagcaa cagataaaag tgtctaggta 60

tcttgtgtgg tgtccactga agactttgta aatatagtta tacactggta ccagcagaaa 120

ctgaatctaa attatgagcc atctgacaac tatcacttca ataacaagcc ccagttcgag 180

tttgcttagg tgagaaaaac aagaaacttg aggcaagaac aaattttcaa atgtctactt 240

cagtctttac cataaacttc ataggaaagg aagatgaggc catttactac tgcactgctt 300

<210> 3016
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3016
attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 60

atacaacatt tccaaggtaa tagagggaag gcaggaaatg 100

<210> 3017
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3017
attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 60

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt 100

<210> 3018
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3018
aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 60

agttttcttt aaattttgca atgtaaagaa gggatgggag 100

<210> 3019
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3019
actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 60

taacttttct ttctgttttt attccagtaa tgaaaaactg 100

<210> 3020
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3020
agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 60

taatttttt tctgttttta ttccagtaat gaaaaactga 100

<210> 3021
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3021
agcccactcc caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc 60

agtgaaggtc tcctgcaagg cttctggata caccttcacc ggctactata tgcactgggt 120

gcgacaggcc cctggacaag ggcttgagtg gatgggatgg atcaacccta acagtggtgg 180

cacaaactat gcacagaagt ttcagggcag ggtcaccatg accagggaca cgtccatcag 240

cacagcctac atggagctga gcaggctgag atctgacgac acggccgtgt attactgtgc 300

<210> 3022
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3022
tgtccactcc caggttcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc 60

agtgaaggtt tcctgcaagg cttctggata caccttcact agctatgcta tgcattgggt 120

gcgccaggcc cccggacaaa ggcttgagtg gatgggatgg agcaacgctg gcaatggtaa 180

cacaaaatat tcacaggagt tccagggcag agtcaccatt accagggaca catccgcgag 240

cacagcctac atggagctga gcagcctgag atctgaggac atggctgtgt attactgtgc 300

<210> 3023
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3023
tgcccactcc caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc 60

agtgaaggtc tcctgcaagg cttctggata caccttcacc agttatgata tcaactgggt 120

gcgacaggcc actggacaag ggcttgagtg gatgggatgg atgaacccta acagtggtaa 180

cacaggctat gcacagaagt tccagggcag agtcaccatg accaggaaca cctccataag 240

cacagcctac atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc 300

<210> 3024
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3024
tgcccactcc caggttcagc tggtgcagtc tggagctgag gtgaagaagc ctggggcctc 60

agtgaaggtc tcctgcaagg cttctggtta cacctttacc agctatggta tcagctgggt 120

gcgacaggcc cctggacaag ggcttgagtg gatgggatgg atcagcgctt acaatggtaa 180

cacaaactat gcacagaagc tccagggcag agtcaccatg accacagaca catccacgag 240

cacagcctac atggagctga ggagcctgag atctgacgac acggccgtgt attactgtgc 300

<210> 3025
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3025
cacccacgcc caggtccagc tggtacagtc tggggctgag gtgaagaagc ctggggcctc 60

agtgaaggtc tcctgcaagg tttccggata caccctcact gaattatcca tgcactgggt 120

gcgacaggct cctggaaaag ggcttgagtg gatgggaggt tttgatcctg aagatggtga 180

aacaatctac gcacagaagt tccagggcag agtcaccatg accgaggaca catctacaga 240

cacagcctac atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc 300

<210> 3026

<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3026
tgcctactcc cagatgcagc tggtgcagtc tggggctgag gtgaagaaga ctgggtcctc 60

agtgaaggtt tcctgcaagg cttccggata caccttcacc taccgctacc tgcactgggt 120

gcgacaggcc cccggacaag cgcttgagtg gatgggatgg atcacacctt tcaatggtaa 180

caccaactac gcacagaaat tccaggacag agtcaccatt accagggaca ggtctatgag 240

cacagcctac atggagctga gcagcctgag atctgaggac acagccatgt attactgtgc 300

<210> 3027
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3027
tgctcactcc caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc 60

agtgaaggtt tcctgcaagg catctggata caccttcacc agctactata tgcactgggt 120

gcgacaggcc cctggacaag ggcttgagtg gatgggaata atcaacccta gtggtggtag 180

cacaagctac gcacagaagt tccagggcag agtcaccatg accagggaca cgtccacgag 240

cacagtctac atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc 300

<210> 3028
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3028
tgcccactcc caaatgcagc tggtgcagtc tgggcctgag gtgaagaagc ctgggacctc 60

agtgaaggtc tcctgcaagg cttctggatt cacctttact agctctgcta tgcagtgggt 120

gcgacaggct cgtggacaac gccttgagtg gataggatgg atcgtcgttg gcagtggtaa 180

cacaaactac gcacagaagt tccaggaaag agtcaccatt accagggaca tgtccacaag 240

cacagcctac atggagctga gcagcctgag atccgaggac acggccgtgt attactgtgc 300

<210> 3029
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3029
tgtccagtcc caggtgcagc tggtgcagtc tggggctgag gtgaagaagc ctgggtcctc 60

ggtgaaggtc tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt 120

gcgacaggcc cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac 180

agcaaactac gcacagaagt tccagggcag agtcacgatt accgcggaca aatccacgag 240

cacagcctac atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc 300

<210> 3030
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3030
tgcccactcc caggtccagc tggtgcagtc ttgggctgag gtgaggaagt ctggggcctc 60

agtgaaagtc tcctgtagtt tttctgggtt taccatcacc agctacggta tacattgggt 120

gcaacagtcc cctggacaag ggcttgagtg gatgggatgg atcaaccctg gcaatggtag 180

cccaagctat gccaagaagt ttcagggcag attcaccatg accagggaca tgtccacaac 240

cacagcctac acagacctga gcagcctgac atctgaggac atggctgtgt attactatgc 300

<210> 3031
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3031
cacccacgcc gaggtccagc tggtacagtc tggggctgag gtgaagaagc ctggggctac 60

agtgaaaatc tcctgcaagg tttctggata caccttcacc gactactaca tgcactgggt 120

gcaacaggcc cctggaaaag ggcttgagtg gatgggactt gttgatcctg aagatggtga 180

aacaatatac gcagagaagt tccagggcag agtcaccata accgcggaca cgtctacaga 240

cacagcctac atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc 300

<210> 3032
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3032
tgtcccagat caccttgaag gagtctggtc ctacgctggt gaaacccaca cagaccctca 60

cgctgacctg caccttctct gggttctcac tcagcactag tggagtgggt gtgggctgga 120

tccgtcagcc cccaggaaag gccctggagt ggcttgcact catttattgg aatgatgata 180

agcgctacag cccatctctg aagagcaggc tcaccatcac caaggacacc tccaaaaacc 240

aggtggtcct tacaatgacc aacatggacc ctgtggacac agccacatat tactgtgcac 300

<210> 3033
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3033
tgtcccaggt caccttgaag gagtctggtc ctgtgctggt gaaacccaca gagaccctca 60

cgctgacctg caccgtctct gggttctcac tcagcaatgc tagaatgggt gtgagctgga 120

tccgtcagcc cccagggaag gccctggagt ggcttgcaca catttttcg aatgacgaaa 180

aatcctacag cacatctctg aagagcaggc tcaccatctc caaggacacc tccaaaagcc 240

aggtggtcct taccatgacc aacatggacc ctgtggacac agccacatat tactgtgcac 300

<210> 3034
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3034
tatcccaggt caccttgagg gagtctggtc ctgcgctggt gaaacccaca cagaccctca 60

cactgacctg caccttctct gggttctcac tcagcactag tggaatgtgt gtgagctgga 120

tccgtcagcc cccagggaag gccctggagt ggcttgcact cattgattgg gatgatgata 180

aatactacag cacatctctg aagaccaggc tcaccatctc caaggacacc tccaaaaacc 240

aggtggtcct tacaatgacc aacatggacc ctgtggacac agccacgtat tattgtgcac 300

<210> 3035
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3035
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggc ttggtccagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt cacctttagt agctattgga tgagctgggt 120

ccgccaggct ccagggaagg ggctggagtg ggtggccaac ataaagcaag atggaagtga 180

gaaatactat gtggactctg tgaagggccg attcaccatc tccagagaca acgccaagaa 240

ctcactgtat ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc 300

<210> 3036
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3036
tccagtgtga agtgcagctg gtggagtctg ggggaggctt ggtacagcct ggcaggtccc 60

tgagactctc ctgtgcagcc tctggattca cctttgatga ttatgccatg cactgggtcc 120

ggcaagctcc agggaagggc ctggagtggg tctcaggtat tagttggaat agtggtagca 180

taggctatgc ggactctgtg aagggccgat tcaccatctc cagagacaac gccaagaact 240

ccctgtatct gcaaatgaac agtctgagag ctgaggacac ggccttgtat tactgtgcaa 300

<210> 3037
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3037
tgtccagtgt caggtgcagc tggtggagtc tgggggaggc ttggtcaagc ctggagggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt gactactaca tgagctggat 120

ccgccaggct ccagggaagg ggctggagtg ggtttcatac attagtagta gtggtagtac 180

catatactac gcagactctg tgaagggccg attcaccatc tccagggaca acgccaagaa 240

ctcactgtat ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc 300

<210> 3038
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3038
aggtgtccag tgtgaggtgc agctggtgga gtctggggga ggcttggtac agcctggggg 60

gtccctgaga ctctcctgtg cagcctctgg attcaccttc agtagctacg acatgcactg 120

ggtccgccaa gctacaggaa aaggtctgga gtgggtctca gctattggta ctgctggtga 180

cacatactat ccaggctccg tgaagggccg attcaccatc tccagagaaa atgccaagaa 240

ctccttgtat cttcaaatga acagcctgag agccggggac acggctgtgt attactgtgc 300

<210> 3039
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3039
gtgtgaggtg cagctggtgg agtctggggg aggcttggta aagcctgggg ggtcccttag 60

actctcctgt gcagcctctg gattcacttt cagtaacgcc tggatgagct gggtccgcca 120

ggctccaggg aaggggctgg agtgggttgg ccgtattaaa agcaaaactg atggtgggac 180

aacagactac gctgcacccg tgaaaggcag attcaccatc tcaagagatg attcaaaaaa 240

cacgctgtat ctgcaaatga acagcctgaa aaccgaggac acagccgtgt attactgtac 300

<210> 3040
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3040
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggc ttggtacagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt aacagtgaca tgaactgggc 120

ccgcaaggct ccaggaaagg ggctggagtg ggtatcgggt gttagttgga atggcagtag 180

gacgcactat gtggactccg tgaagcgccg attcatcatc tccagagaca attccaggaa 240

ctccctgtat ctgcaaaaga acagacggag agccgaggac atggctgtgt attactgtgt 300

<210> 3041
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3041
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggt gtggtacggc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttgat gattatggca tgagctgggt 120

ccgccaagct ccagggaagg ggctggagtg ggtctctggt attaattgga atggtggtag 180

cacaggttat gcagactctg tgaagggccg attcaccatc tccagagaca acgccaagaa 240

ctccctgtat ctgcaaatga acagtctgag agccgaggac acggccttgt atcactgtgc 300

<210> 3042
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3042
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggc ctggtcaagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctatagca tgaactgggt 120

ccgccaggct ccagggaagg ggctggagtg ggtctcatcc attagtagta gtagtagtta 180

catatactac gcagactcag tgaagggccg attcaccatc tccagagaca acgccaagaa 240

ctcactgtat ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc 300

<210> 3043
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3043
tgtccagtgt gaggtgcagc tgttggagtc tgggggaggc ttggtacagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttagc agctatgcca tgagctgggt 120

ccgccaggct ccagggaagg ggctggagtg ggtctcagct attagtggta gtggtggtag 180

cacatactac gcagactccg tgaagggccg gttcaccatc tccagagaca attccaagaa 240

cacgctgtat ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc 300

<210> 3044
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3044
tgtccagtgt caggtgcagc tggtggagtc tgggggaggc gtggtccagc ctgggaggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctatggca tgcactgggt 120

ccgccaggct ccaggcaagg ggctggagtg ggtggcagtt atatcatatg atggaagtaa 180

taaatactat gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc 300

<210> 3045
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3045
tgtccagtgt caggtgcagc tggtggagtc tgggggaggc gtggtccagc ctgggaggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctatggca tgcactgggt 120

ccgccaggct ccaggcaagg ggctggagtg ggtggcagtt atatcatatg atggaagtaa 180

taaatactat gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc 300

<210> 3046
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3046
tgtccagtgt caggtgcagc tggtggagtc tgggggaggc gtggtccagc ctgggaggtc 60

cctgagactc tcctgtgcag cgtctggatt caccttcagt agctatggca tgcactgggt 120

ccgccaggct ccaggcaagg ggctggagtg ggtggcagtt atatggtatg atggaagtaa 180

taaatactat gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc 300

<210> 3047
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3047
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggc ttggtacagc ctgggggatc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt aacagtgaca tgaactgggt 120

ccatcaggct ccaggaaagg ggctggagtg ggtatcgggt gttagttgga atggcagtag 180

gacgcactat gcagactctg tgaagggccg attcatcatc tccagagaca attccaggaa 240

caccctgtat ctgcaaacga atagcctgag ggccgaggac acggctgtgt attactgtgt 300

<210> 3048
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3048
tgcaggtgtc cagtgtgagg tgcagctggt ggagtctggg ggaggcttgg tacagcctag 60

ggggtccctg agactctcct gtgcagcctc tggattcacc gtcagtagca atgagatgag 120

ctggatccgc caggctccag ggaaggggct ggagtgggtc tcatccatta gtggtggtag 180

cacatactac gcagactcca ggaagggcag attcaccatc tccagagaca attccaagaa 240

cacgctgtat cttcaaatga acaacctgag agctgagggc acggccgtgt attactgtgc 300

<210> 3049
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3049
tccagtgtga agtgcagctg gtggagtctg ggggagtcgt ggtacagcct gggggggtccc 60

tgagactctc ctgtgcagcc tctggattca cctttgatga ttataccatg cactgggtcc 120

gtcaagctcc ggggaagggt ctggagtggg tctctcttat tagttgggat ggtggtagca 180

catactatgc agactctgtg aagggccgat tcaccatctc cagagacaac agcaaaaact 240

ccctgtatct gcaaatgaac agtctgagaa ctgaggacac cgccttgtat tactgtgcaa 300

<210> 3050
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3050
tgtccagtgt gaggtgcagc tggtggagtc tgggggaggc ttggtacagc ctgggggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctatagca tgaactgggt 120

ccgccaggct ccagggaagg ggctggagtg ggtttcatac attagtagta gtagtagtac 180

catatactac gcagactctg tgaagggccg attcaccatc tccagagaca atgccaagaa 240

ctcactgtat ctgcaaatga acagcctgag agacgaggac acggctgtgt attactgtgc 300

<210> 3051
<211> 300
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3051
atgtgaggtg cagctggtgg agtctggggg aggcttggta cagccagggc ggtccctgag 60

actctcctgt acagcttctg gattcacctt tggtgattat gctatgagct ggttccgcca 120

ggctccaggg aaggggctgg agtgggtagg tttcattaga agcaaagctt atggtgggac 180

aacagaatac gccgcgtctg tgaaaggcag attcaccatc tcaagagatg attccaaaag 240

catcgcctat ctgcaaatga acagcctgaa aaccgaggac acagccgtgt attactgtac 300

<210> 3052
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3052
aggtgtccag tgtgaggtgc agctggtgga gtctggagga ggcttgatcc agcctggggg 60

gtccctgaga ctctcctgtg cagcctctgg gttcaccgtc agtagcaact acatgagctg 120

ggtccgccag gctccaggga aggggctgga gtgggtctca gttatttata gcggtggtag 180

cacatactac gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat cttcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc 300

<210> 3053
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3053
tgtccagtgt gaggtgcagc tggtggagtc tggggaaggc ttggtccagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctatgcta tgcactgggt 120

ccgccaggct ccagggaagg gactggaata tgtttcagct attagtagta atgggggtag 180

cacatattat gcagactctg tgaagggcag attcaccatc tccagagaca attccaagaa 240

cacgctgtat cttcaaatgg gcagcctgag agctgaggac atggctgtgt attactgtgc 300

<210> 3054
<211> 300
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3054
aggtgtccag tgtgaggtgc agctggtgga gtctggagga ggcttgatcc agcctggggg 60

gtccctgaga ctctcctgtg cagcctctgg gttcaccgtc agtagcaact acatgagctg 120

ggtccgccag gctccaggga aggggctgga gtgggtctca gttatttata gctgtggtag 180

cacatactac gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat cttcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc 300

<210> 3055
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3055
gtgtgaggtg cagctggtgg agtctggggg aggcttggtc agcctggag ggtccctgag 60

actctcctgt gcagcctctg gattcacctt cagtgaccac tacatggact gggtccgcca 120

ggctccaggg aaggggctgg agtgggttgg ccgtactaga aacaaagcta acagttacac 180

cacagaatac gccgcgtctg tgaaaggcag attcaccatc tcaagagatg attcaaagaa 240

ctcactgtat ctgcaaatga acagcctgaa aaccgaggac acggccgtgt attactgtgc 300

<210> 3056
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3056
gtgtgaggtg cagctggtgg agtccggggg aggcttggtc agcctgggg ggtccctgaa 60

actctcctgt gcagcctctg ggttcacctt cagtggctct gctatgcact gggtccgcca 120

ggcttccggg aaagggctgg agtgggttgg ccgtattaga agcaaagcta acagttacgc 180

gacagcatat gctgcgtcgg tgaaaggcag gttcaccatc tccagagatg attcaaagaa 240

cacggcgtat ctgcaaatga acagcctgaa aaccgaggac acggccgtgt attactgtac 300

<210> 3057
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3057
tgtccagtgt gaggtgcagc tggtggagtc cgggggaggc ttagttcagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctactgga tgcactgggt 120

ccgccaagct ccagggaagg ggctggtgtg ggtctcacgt attaatagtg atgggagtag 180

cacaagctac gcggactccg tgaagggccg attcaccatc tccagagaca acgccaagaa 240

cacgctgtat ctgcaaatga acagtctgag agccgaggac acggctgtgt attactgtgc 300

<210> 3058
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3058
tgtccagtgt caggtgcagc tggtggagtc tgggggaggc gtggtccagc ctgggggtc 60

cctgagactc tcctgtgcag cgtctggatt caccttcagt agctatggca tgcactgggt 120

ccgccaggct ccaggcaagg ggctggagtg ggtggcattt atacggtatg atggaagtaa 180

taaatactat gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa 240

cacgctgtat ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgc 300

<210> 3059
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3059
tgcaggtgtc cagtgtgagg tgcagctggt ggagtctcgg ggagtcttgg tacagcctgg 60

ggggtccctg agactctcct gtgcagcctc tggattcacc gtcagtagca atgagatgag 120

ctgggtccgc caggctccag ggaagggtct ggagtgggtc tcatccatta gtggtggtag 180

cacatactac gcagactcca ggaagggcag attcaccatc tccagagaca attccaagaa 240

cacgctgcat cttcaaatga acagcctgag agctgaggac acggctgtgt attactgtaa 300

<210> 3060
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3060
aggggtcctg tcccaggtgc agctgcagga gtcgggccca ggactggtga agccttcgga 60

gaccctgtcc ctcacctgca ctgtctctgg tggctccatc agtagttact actggagctg 120

gatccggcag cccgccggga agggactgga gtggattggg cgtatctata ccagtgggag 180

caccaactac aacccctccc tcaagagtcg agtcaccatg tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgcggac acggccgtgt attactgtgc 300

<210> 3061
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3061
ggtcctgtcc caggtgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggacac 60

cctgtccctc acctgcgctg tctctggtta ctccatcagc agtagtaact ggtggggctg 120

gatccggcag cccccaggga agggactgga gtggattggg tacatctatt atagtgggag 180

cacctactac aacccgtccc tcaagagtcg agtcaccatg tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgtggac acggccgtgt attactgtgc 300

<210> 3062
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3062
cctgtcccag ctgcagctgc aggagtccgg ctcaggactg gtgaagcctt cacagaccct 60

gtccctcacc tgcgctgtct ctggtggctc catcagcagt ggtggttact cctggagctg 120

gatccggcag ccaccaggga agggcctgga gtggattggg tacatctatc atagtgggag 180

cacctactac aacccgtccc tcaagagtcg agtcaccata tcagtagaca ggtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgcggac acggccgtgt attactgtgc 300

<210> 3063
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3063
cctgtcccag gtgcagctgc aggagtcggg cccaggactg gtgaagcctt cacagaccct 60

gtccctcacc tgcactgtct ctggtggctc catcagcagt ggtgattact actggagttg 120

gatccgccag cccccaggga agggcctgga gtggattggg tacatctatt acagtgggag 180

cacctactac aacccgtccc tcaagagtcg agttaccata tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac tgccgcagac acggccgtgt attactgtgc 300

<210> 3064
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3064
cctgccccag gtgcagctgc aggagtcggg cccaggactg gtgaagcctt cacagaccct 60

gtccctcacc tgtactgtct ctggtggctc catcagcagt ggtggttact actggagctg 120

gatccgccag cacccaggga agggcctgga gtggattggg tacatctatt acagtgggag 180

cacctactac aacccgtccc tcaagagtcg agttaccata tcagtagaca cgtctaagaa 240

ccagttctcc ctgaagctga gctctgtgac tgccgcggac acggccgtgt attactgtgc 300

<210> 3065
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3065
aggggtcctg tcccaggtgc agctacagca gtggggcgca ggactgttga agccttcgga 60

gaccctgtcc ctcacctgcg ctgtctatgg tgggtccttc agtggttact actggagctg 120

gatccgccag cccccaggga aggggctgga gtggattggg gaaatcaatc atagtggaag 180

caccaactac aacccgtccc tcaagagtcg agtcaccata tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgcggac acggctgtgt attactgtgc 300

<210> 3066
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3066
cctgtcccag ctgcagctgc aggagtcggg cccaggactg gtgaagcctt cggagaccct 60

gtccctcacc tgcactgtct ctggtggctc catcagcagt agtagttact actggggctg 120

gatccgccag cccccaggga aggggctgga gtggattggg agtatctatt atagtgggag 180

cacctactac aacccgtccc tcaagagtcg agtcaccata tccgtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgcagac acggctgtgt attactgtgc 300

<210> 3067
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3067
aggggtcctg tcccaggtgc agctgcagga gtcgggccca ggactggtga agccttcgga 60

gaccctgtcc ctcacctgca ctgtctctgg tggctccatc agtagttact actggagctg 120

gatccggcag cccccaggga agggactgga gtggattggg tatatctatt acagtgggag 180

caccaactac aacccctccc tcaagagtcg agtcaccata tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgctgcggac acggccgtgt attactgtgc 300

<210> 3068
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3068
cctgtcccag gtgcagctgc aggagtcggg cccaggactg gtgaagcctt cggagaccct 60

gtccctcacc tgcactgtct ctggtggctc cgtcagcagt ggtggttact actggagctg 120

gatccggcag cccccaggga agggactgga gtggattggg tatatctatt acagtgggag 180

caccaactac aacccctccc tcaagagtcg agtcaccata tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgctgcggac acggccgtgt attactgtgc 300

<210> 3069
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3069
ggtcctgtcc caggtgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggagac 60

cctgtccctc acctgcgctg tctctggtta ctccatcagc agtggttact actggggctg 120

gatccggcag cccccaggga aggggctgga gtggattggg agtatctatc atagtgggag 180

cacctactac aacccgtccc tcaagagtcg agtcaccata tcagtagaca cgtccaagaa 240

ccagttctcc ctgaagctga gctctgtgac cgccgcagac acggccgtgt attactgtgc 300

<210> 3070
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3070
agtctgtgcc gaggtgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc 60

tctgaagatc tcctgtaagg gttctggata cagctttacc agctactgga tcggctgggt 120

gcgccagatg cccgggaaag gcctggagtg gatggggatc atctatcctg gtgactctga 180

taccagatac agcccgtcct tccaaggcca ggtcaccatc tcagccgaca agtccatcag 240

caccgcctac ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgc 300

<210> 3071
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3071
agtctgtgcc gaagtgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc 60

tctgaggatc tcctgtaagg gttctggata cagctttacc agctactgga tcagctgggt 120

gcgccagatg cccgggaaag gcttggagtg gatggggagg attgatccta gtgactctta 180

taccaactac agcccgtcct tccaaggcca cgtcaccatc tcagctgaca agtccatcag 240

cactgcctac ctgcagtgga gcagcctgaa ggcctcggac accgccatgt attactgtgc 300

<210> 3072
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3072
acaggtacag ctgcagcagt caggtccagg actggtgaag ccctcgcaga ccctctcact 60

cacctgtgcc atctccgggg acagtgtctc tagcaacagt gctgcttgga actggatcag 120

gcagtcccca tcgagaggcc ttgagtggct gggaaggaca tactacaggt ccaagtggta 180

taatgattat gcagtatctg tgaaaagtcg aataaccatc aacccagaca catccaagaa 240

ccagttctcc ctgcagctga actctgtgac tcccgaggac acggctgtgt attactgtgc 300

<210> 3073
<211> 300

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3073
tgcccactcc caggtgcagc tggtgcaatc tgggtctgag ttgaagaagc ctggggcctc 60

agtgaaggtt tcctgcaagg cttctggata caccttcact agctatgcta tgaattgggt 120

gcgacaggcc cctggacaag ggcttgagtg gatgggatgg atcaacacca acactgggaa 180

cccaacgtat gcccagggct tcacaggacg gtttgtcttc tccttggaca cctctgtcag 240

cacggcatat ctgcagatct gcagcctaaa ggctgaggac actgccgtgt attactgtgc 300

<210> 3074
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3074
tacctactcc caggtgcagc tggtgcagtc tggccatgag gtgaagcagc ctggggcctc 60

agtgaaggtc tcctgcaagg cttctggtta cagtttcacc acctatggta tgaattgggt 120

gccacaggcc cctggacaag ggcttgagtg gatgggatgg ttcaacacct acactgggaa 180

cccaacatat gcccagggct tcacaggacg gtttgtcttc tccatggaca cctctgccag 240

cacagcatac ctgcagatca gcagcctaaa ggctgaggac atggccatgt attactgtgc 300

<210> 3075
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3075
gaacgggggc tgtgggctgt ggtgtccgct tgtgactcat ctctttgctt cttgtccctg 60

agtgtcctgc atcagatgca gctactggag tcatgcccag ggctggtgag gtcctcacag 120

acctctgggc ctggacccag cagccctctg ggaaggcgct ggggcacctc agctccaggg 180

gcagcacaca cttcagccca gcctttctgg gccaactctc catctgtaga gacacatcca 240

aggcccagtt atccctgcag ctgagctccg tgatggccaa gggcagggcc gcacattccc 300

<210> 3076
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3076
cctatgaaaa aaattgtgtt tttcagtgca ctcatgttct agtaaagccc tcagagaccc 60

tctccttcac ctgtgctgtc tctggatttc caatcataac cagtacttcc tcctggagct 120

gtatctgcca gcccccaggg aagaagctga agtgggtcag gtgtgtaggt cacgaggaaa 180

cacacagtgc aacccgcttc tcaagagtcc agtcaccacc tccagatcca cattcagaaa 240

acagtttttc ctacagctga gctacccgca caatgagtaa accaccatgg atttttatac 300

<210> 3077
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3077
tgtgcatgcc gacaactgtg attctcggtg cactcctggc ctggtgaagc cctcacagat 60

cctccccctg gcctgtggca tctctgcttc tccattacaa ccagtgcttc ctgctggagc 120

tggatccgtc acccccgggg gaagggactg gagcgaatca ggtgcacagg tcatgaggga 180

gtgcacaatc caacccactc ctcaagagtc cagtcaccat ctccagatcc acatccaaaa 240

aacagtttct cctacagctg agctacctta acaaggagta cacaaccatg atttttatac 300

<210> 3078
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3078
gtcccaggtg cagctgcagg agtcaggtcc aggacccatg aggccctcag acactgccct 60

ctgcctgtgc tgtgtctgga ttctttttt taccatggat attatttgag atgaatccac 120

catcccgtgg gcaacaggct ggaatggctg gggcacagtt actagactgg atcatcaagg 180

aatacacatc atgcaccctc cacccaggtc catgtcccca tcaacagtga ctcaaccaag 240

agccagttct ctgtgaagct cagctccatg accacctagg acacggctga gtattactgt 300

<210> 3079
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 3079
tgtgttgccc agaacctgtt aacatcaaca actatgtttc tcagcacact tctggcttga 60

gactccttgc agaccctctc ctcacctgca ctgtctctgg attccccatc ataaccagtg 120

tttcctgcta gaattgtatc tgcttgcccc tagaagatgg acaggagtgg atcaggtgca 180

tgggttgtga agggagcaca aattacaacc cactgctcaa gagtccatat ccagatccaa 240

gaaacagttc ttacagctga gctctgtgcc cagtgaacac acaactacgc atttttaagc 300

<210> 3080
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3080
ctgccaacaa ctgtatttct cggtgcactc ttggcctggt gaagccttca cagaacctct 60

ccctcacctg tgccatctct gcattctcca tcacaaccag tgtttcctgc tggagctgca 120

tccatcagcg cccccatggg aggtactgga gtggatcggg tgcataggtc atggagggag 180

cacaaattac tcccctcttc tcaagagtcc agtcaccatc tccagatcca tgtccaaaaa 240

gtagttcttc ttacagctga actatgtgag gaacaaacac atagccatgt attttagagc 300

<210> 3081
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3081
tgttgtccag aaactgttaa catcaacaac tgtgttttcc agtgcacttc tggcttgaga 60

catcctcaca gaccctctcc ctcacctgca ctgtctctgg attccccatc ataaccagtg 120

tgtcctgcta gaattgtatc tgcttgcccc tagaagatgg acaggagtgg atcaggttca 180

tgggttgtaa agggagcaaa aattacatcc cacttctcaa gagtccatat ccagatccaa 240

gaaacagttc ttacagctga gctctgtgcc cagtgaacac acaactacac attttgaagc 300

<210> 3082
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3082

ctgccaacaa ctgtatttct cggtgcactc ttggcctggt gaagccttca cagaacctct 60

ccctcacctg tgccatctct gcattctcca tcacaaccag tgtttccttc tggagctgca 120

tccatcagcg cccccatggg aggtactgga gtggatcggg tgcataggtc atggagggag 180

cacagattac tcccctcttc tcaagagtcc agtcaccatc tccagatcca tgtccaaaaa 240

gtacttcttc ttacaggtga actatgtgag caacaaacac atagccatgt attttagagc 300

<210> 3083
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3083
gggtttccaa tgtatcatcc agaacttgtg catgctaaca actgtttttc tcagtcaatt 60

atcagcctgg tgaagccctt gcaaaccccc tcactcacct gtgctgcctc tggattctct 120

gtcacaatca gtgcttcctg taggcactgg atggaaagca caggagtggg tcaggtgcat 180

acgtgatgag tggaggatga attccagccc acttatcatg aattcagaca agcccacatg 240

ttcccacatg cactatatct tcagacaagc agatgtgtct gcacatgaat tcttctttca 300

<210> 3084
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3084
ctgagattga caggcttaca agtgtcttag tccagcagtt ttcggtaaca ggctatccac 60

tttcattttc tcttcctcac atgccccatt tctgggttgt ccatcccaac caacagttac 120

tgctggagct gaatccacta gcccgcttcc atgggctgtc aggaacacat tgcaagggtg 180

acacacacga tgatccatct ctgcagagcc aactctcctt ctccagagat tcatccaaga 240

aacaattttg actatacctg agctctgtga catctgagga catggtttgt attactgtgc 300

<210> 3085
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3085
agctgcagga gtcagccctg gacctgaata gcacacactt accctctgcc tcacctacac 60

tgttactggc cactccgtca caaccagtcc ttactagtgg acctggatct gccggctctc 120

agggaggggc tgcaatggat aaaatccatt gctagtggtg gtgggagtcc atttgtcttg 180

tggaaaatgg cagcatttcc ttattttata aggcataata atgctatgtt gtgtacacat 240

accacattgt ctttatccat ttgcccattg acagacactt agtttccata tcttggctgt 300

<210> 3086
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3086
gtgcatgccg acatctgtat ttctcgtgcg ttcttggcct ggcgaagccc tcacagaccc 60

tctccctcat ctgtgctgtc tctgcttctc catcacaacc agtgcttcct gctggagctg 120

gatccctcag ctccccaggg aagggactgg agtgaatcag gtgcacaggt catgagggag 180

aacacaacgc aacccacgcc tcaagagtcc agtcaccatc tccagatcca catccaaaac 240

acagtttctt ctacagctga gctacctgag caacgagtac acaaccatga atttttacac 300

<210> 3087
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3087
ccagaagcca tgcacaccaa ccactgtgtt tcatggtcat ttattggcct ggtgaggccc 60

tcacagaccc cctccctcac ctgtgctgtc tctggattct ccatcacaac tagtgcttcc 120

tgctggagct ggatccgcca gtcctcagtc aagggagtgg atcagggcat aggtcacgag 180

ggagcacaaa ttctaaccca ctcctcatga gctcagtcac catctccaga tccacgtcca 240

agaaccaaat tttcttttag ctgagttctg tgaccaacaa tgccacaacc ttgtattact 300

<210> 3088
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3088
gtgcatgcca acaactgtgt ttctcagtgc ccacttggcc tggtgaagcc ctcacagacc 60

ctctccctca cctgtgctgt ctctggattc cccatcacaa ccagtgcttc ctgctgtagc 120

tgcattcata aacccccccag gaagggactg gagtgaatcc agtgcacagg tcatgaggga 180

gtgcacattc caacccactc ctcaagagtc cagtcaccat ctccagatcc atgtccaaaa 240

agcagttctt cctacagccg agctaagtga gtcacaagca cacagccatg tatttttaac 300

<210> 3089
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3089
tgtgctcaca aacaactgtg tttcttagtg cactcttggc ctggtggagc cctcgcagac 60

cctctccctc acctgtgctg tctctggatt ttccatcaca accagtgttt cctgctggag 120

ctggatccac gagtccacat gggaaggact ggagtggacc aggcgcacac gtcatgaagg 180

gagcaaaaat tcccacccac tccttatgaa tccagtcacc atctccaaat tcgggtccaa 240

aaaacacttg tttttacagt ggagctatgt gagcaacaag ctcacagcca tgttttaaag 300

<210> 3090
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3090
cctgccaaca actgtgtttc tcggtgcact cttggcctgg tgaagccccc aaagaccctc 60

tccctcatgt gtgtcatctc tgcattctcc atcacaacca gtgcttcctc ctggatctgc 120

atccatcacc ccctctctgg gagggaatgg agtggattgg gtccatagat gatgaaggga 180

gcacacatta ctccccтttc ctcaagagtc cagtcaccat ccccagatcc atgtccaaaa 240

acagttcttc ctacagctga gctacatgag caacaatcac atagccatat atttttcagc 300

<210> 3091
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3091
gcatgccaac aactgtgttt ctcctgcact cttgggctag tgaagctctc acagaccctc 60

tctctcacct gtgctgtctc tgcattctcc atcacaacca gtgcttcctg ctggagctgc 120

atccatcacc ccccgcaagg aagggactgg agcgaatcag gtgcacaggt catgagggag 180

tgcacattcc aacccactcc tcaagagtcc agtcactatc tccagatcca catccaaaaa 240

acagtgtttc ctgtagctga gctacctgag caacaagtac acaaccatga atttaatac 300

<210> 3092
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3092
atgccaacaa ctgtgtttct cagcgcactc ttggcctggt gaagccctca cagaccctct 60

cccttacctg cgctgtgtct gtgttccccg tgataacgag gtcttcctgc tgaagctgga 120

tccatcagcc ccccagggaa gggaatggag tggattgggt gcataggtca tgaagggagc 180

acacattacc acccactcct caagtgtcca gtcaccatcc ccagatccgt gtccaaaaaa 240

gcagttcttc ctacagctga gctacatgag caacaagcac atagccatgt atttttaagc 300

<210> 3093
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3093
acggaagtcc tgtgtgaagt ttactgatgg agtcagaggg ggaaaaaatt tacagcccag 60

tggtgagact ctcctgcaaa gcctctggtt tcacctttac tggttacagc atgagcttgg 120

tccagcacgc ttcacaacag ggataggtgt gggtgccaac agtgagtgat caagtatgaa 180

ttctcagggt tactttccat gagtacaaat aaattaacaa tctcaagcaa cacccttta 240

agtgcagtct gccttacaat gaccaatctg aaagccaagg acaaggtcat gtattactgt 300

<210> 3094
<211> 149
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3094
aatagatttt ctcaggattt gtttgtccga cagagtattt atttgtcttt gatttatcat 60

ctcaagagac aatgtcaaga agatgctgtt tctgcaaatg ggcaatctgc aaaccaagga 120

cacgtcacta cattactgtg caagagaag 149

<210> 3095
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3095
aaccacaaag gtttactgga tctatatttt tgtctttggc aaaatagcct ggctattctc 60

ttagcttctt ctgcaaagca tcaagattca ccttcactga ctgcagcatt tattgggccc 120

tgatggctgg aggagagggg ctggagtggg tggtagccat gagtgaccca agtggaagtt 180

ctcagtggtg ctctgctcca gcacaaagaa gattcacagt tcctggggac aacacttaac 240

atcacaatct cccttaaaat tatctactgg aaagctgagg agtaggcagt gtattactgt 300

<210> 3096
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3096
ttttcagaag tcccctgtga agttaactaa tggagttaga cagagaaata ctacagacca 60

ggaattctgc cttttctgca aagcctctgg attcactttc actgaaaaca gcataagctt 120

gatccagcag gcttcatgac aggggtgggt gtgggtaata acaataattc aaatagaagt 180

tctcagtggg actctccttg agtaaaaaga tgattaacaa tcctcaaata cactcagttc 240

aggagattct cttttaagat gattaacctg agagctcagg aaaagtccgt gtattacttt 300

<210> 3097
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3097
gaagtcctgt gtgaaattta ctgatagagt caggggggaa aattgtacag cccagtggtt 60

cactgagact ctcatgcaaa gcctctgatt tcacctttac tggctacagc atgagcttgg 120

tccagcaggc ttcatgacag ggattggtgt gggtggaaac agtgagtgat caagtgggag 180

ttctcagagt tactctccat gagtacaaat aaattaacag tcccaagcga caccttttca 240

tgtgcagtct accttaaagg gaccaaactg aaagtcaagg acaaggcctt gtaatactgt 300

<210> 3098
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 3098
agtcctgtgt gatgtttact gatggagtca gaaggagaaa aatttaacag cccagcagtt 60

cactgagact gtcctgcaaa gcctctggtt tcgggtttac tgggtgcagc atgagcttgg 120

tccagcacgc ttcacaacag gaattggtgt gggtagcaac agtgagagat catatgggag 180

ttctaagggt tactctccat gagtacagat aaatcaacat tcccaagtga cacccttca 240

agtgcagtct accttacaag gaccaacctg aaagccaagg gcaaggccgt atattacagt 300

<210> 3099
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3099
tctgtgtgtg cagaagtcct ctgtgaagtt aactagtgga gtcagacagg aaaatactac 60

agaccaagaa ttctcagact gttctgcaaa gcccctggat tcactgaaaa aagaacaagt 120

ttggtccagc aggattcatg gcaagtgttg gtgagggaga taacagtaat tcaagtggaa 180

gttctcaatg ggactcgcct tcagtacaaa gaagattaac agtcctcaga gacactgttc 240

agaagattct cttttaagat aataaaactg agagcccaag acaagtctgt gtattactgt 300

<210> 3100
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3100
tccatgggtt acaaaataat gggttggctt ttcttccaac actttacaga caccatcaat 60

tttcctcttg cttataaggt tttaaccaga agaatgctgt catcatcttt cctgttcttt 120

tagaaagaat gccccctcaa ctcatctcca cttgtctgca tgtatttcta tttgtctttg 180

gttttcagca gttttaataa gattcaccta aatgtgtgtg tgtgtgtcga ggggtgttat 240

gctattgttc tgtgttctct gagatgcatg gattcaccgt ttactctgtc tccatttttg 300

<210> 3101
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3101

agaggtcccc tgtgaagtta attactggag tctctcagag aaatactaca gaccaagaat 60

tctcagactt ttctggaaac cctgtggatt cactttcact gaaaacagca taagcttggt 120

ccagcaggct tcatgacagg ggtgggtgta ggtgataaca tcagtaattc aagtggaagt 180

tctcagtggg actctccttg agtacaaaga agattaacag tcctcagaga cacgcttttc 240

agatgattct ctcttaagat gattaacctg agagctcagg aaaattccgt ttattactgt 300

<210> 3102
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3102
tatccagggt gaggcccagc ttacagagtc tgggggagac ttggtacact gagaggggcc 60

cctgaggctc tcctgtgcag cctcttggtt caccttcagt atctatgaga ttcactgggt 120

ttgccaggcc tcagggaagg ggctggaatg ggttgcagtt atatggcgta gtgaaagtca 180

tcaatacaat gcagactatg ttaggggcag actcaccact tccagagaca acaccaagta 240

catgctgtac atgcaaatga acagcctgag aacccagaac atggcagcat ttaactgtgc 300

<210> 3103
<211> 149
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3103
aataggtttt ctcaggtttt attggtccga cagaatattt atttgtcttt gatttattgt 60

ctccagagac aatgtcaaga atatgctata tctgcaaatg ggcgatctgt aaaccaagaa 120

cacatcagta tatcactgtg caagaggag 149

<210> 3104
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3104
tactggatct atatttttat ctttggcaaa acagcctggc tgttctctta gcctcttttg 60

caaagcatca agattcacct tcactgacta cagcataaat tgagcccaga tggctggggg 120

acagaggctg gagtgggtgg taacagtgat tgattcaagt ggaagttctc agtgatattc 180

tgcatcagca taatgaagat tcacaattcc cagggacacc aattaccagc acagtctccc 240

ttaaaataat ctacttggaa gctgaggggg ctctcacagg ggtaggcagt gtattactgt 300

<210> 3105
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3105
aagtcctgta tgaagttcag tggtggagtc agaggggtaa acgtagtaca gcccagtggt 60

tcactgagac tttcttgcaa agcgtctgga ttcacctttt ctggcaacag cctgaggttg 120

gtccagcagg cttcacaaca gggattgtgg tggctggcaa cagtgagtca acaagtggga 180

gtgctcaggt ttactcttca tgagtacaaa taaattaact ggtccagcga cacccttca 240

cgtgcactct accttacaat gactaacctg aaagccaagg acaaggttgt gtaatactgt 300

<210> 3106
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3106
agtcctacaa gaagttcact ggtggaatct ggaagagaaa tgatacagcc taactgttct 60

cagagccttt tttacaaagc ctctgaattt accttcattg actctagcat gagctcagcc 120

cagcaggctt caggacaggg gttggtgtgg gaggcaaaag cgagggattc aagtggaatt 180

tgttagtggt accctccatc aatacaaaga aaaatcataa tcctcaggga caccttgtc 240

agcacagtct ccctcaaaat gaccaacctg agagccgagg agaaggccat gtattactgt 300

<210> 3107
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3107
ctctgtgttc atgtaagtcc tgttgaagct tactgatgga gtcagagggg gaaacattgt 60

acagcccagc ggttctcaca gactctcctg caaagcctct gatttcactt gtactggcta 120

cagcatgagc ttggtccagc aggcttcatg acagggattt gtgtgggtgg caacagtgag 180

ttatcagggt tactctccat gagtacaagt aaattaacag tcccaagcaa cacccttca 240

agtgcagtct accttaaaat gaccaatgtg aaagccaagg acaagacctt gtattactgt 300

<210> 3108
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3108
tctcaggggt tcacagtgag gaccaccttg tgcaatggga ggaagaagta gtggtcccct 60

tggtcatgct cagcctcacc tatgccgcct atgcacattc aatttctgaa cattctgttt 120

cctggatcca ccatctccca tcaaaaggtc ttcagtgtgt tggtgtgata tgggttaagg 180

gaaacactaa gccccaacct tcagggcaga gctagcatct ccagaaacac atagtaaaaa 240

acaagaaaac ttacagctga gaagtgtgat ggctggggat gcaggcgtgt attactgtgc 300

<210> 3109
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3109
tcctgattat atgactcacc cagcttctga tgactctcct gttgccagcg tccatggcct 60

cagtgaaggt ctcctgcaaa gctctggata caccttcgcc agctacgaca ttcactgtgt 120

gtgacaggcc cctggataag ggtttgaatg gatggtaggg agctactctg gcaatggtaa 180

cacaggctat gcacagaagt ttcagggcag agtcaccatg accagggaca cgtccacgag 240

cacagcctac atggagctga gcagtcagag atctgaggac atagatgtgt actactgtgc 300

<210> 3110
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3110
tgtccattcc caggttcagc tgttgcagcc tggggctgag gtgaagaagc ctgcgtcctc 60

agtgaaggtc tcctggccag gcttccagat acaccttcac caaatacttt acacagtggg 120

tgcgacaggg ccctggacaa gggcatagtg gttgggatgc atcaaccctt acaatgataa 180

cacacactac gcacagaagt tccggggcag agtcaccatt accagtgaca ggtccgtgag 240

cacagcctac atggagctga gcagcctgag atctgaagac atggtcgtgt attcctgtgt 300

<210> 3111
<211> 300

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3111
cagtcccagg tgcagctggt gcagtctggg gatgagatga agaaggctgg ggcatcagtg 60

aaagtctcct gcaagacttg tggatacacc taccttcacc agttactcta tgcactaggt 120

gcgccaggcc catgcacaag ggcttgagtg gatgggaagg atgtgcccta gtgatggcag 180

cataagctac gcagagaagt tccagggcag agtcaccatg accagggaca catccacgag 240

cacagcctac atggagctga gcagcctgag atctgaagac acggccatgt attactgtgg 300

<210> 3112
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3112
tgtctgctcc caggtgcagc tggggcagtc tgaggctgag gtaaagaagc ctggggcctc 60

agtgaaggtc tcctgcaagg cttccggata caccttcact tgctgctcct tgcactggtt 120

gcaacaggcc cctggacaag ggcttgaaag gatgagatgg atcacacttt acaatggtaa 180

caccaactat gcaaagaagt tccagggcag agtcaccatt accagggaca tgtccctgag 240

gacagcctac atagagctga gcagcctgag atctgaggac tcggctgtgt attactgggc 300

<210> 3113
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3113
gtgtccattc ccaggttcag ctgttgcagc ctggggctga ggtgaagaag cctgggtcct 60

cagtgaaggt ctcctgccag gcttccagat acaccttcac caaatacttt acacggtggg 120

tgtgacaaag ccctggacaa gggcatagtg gatgggatga atcaaccctt acaatgataa 180

cacacactat gcacagacgt tctggggcag agtcaccatt accagtgaca ggtccatgag 240

cacagcctac atggagctga gcagcctgag atctgaagac atggtcgtgt attactgtgt 300

<210> 3114
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3114
tatcccaggt caccttgaag gagtctggtc ctgcactggt gaaacccaca cagaccctca 60

tgctgacctg caccttctct gggttctcac tcagcacttc tggaatgggt gtgggttaga 120

tctgtcagcc ctcagcaaag gccctggagt ggcttgcaca catttattag aatgataata 180

aatactacag cccatctctg aagagtaggc tcattatctc caaggacacc tccaagaatg 240

aagtggttct aacagtgatc aacatggaca ttgtggacac agccacacat tactgtgcaa 300

<210> 3115
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3115
gtgtccagtg tgagatgcag ctggtagagt ctggagcaaa cttgacaaag cctgggtgtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agccatagca cgcactgggt 120

cccccaggct ccagggaagg gtctgcagtg ggtcccagtt attagtggta gtggtagtac 180

catgtactac gcagactctg tgaagggccg attcaccatt tccagagaca ataccaaaaa 240

ctcactgtat ctgcaaatga acagactgag ggcagaggat gcagctgcat atgactctgt 300

<210> 3116
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3116
cctgggtaca acagtgcagc tggtggagtc tgggggaggc ttggtagagc ctgggggGTC 60

cctgagactc tcctgtgcag cctctggatt caccttcagt aacagtgaca tgaactgggt 120

ccgccaggct ccaggaaagg ggctggagtg ggtatcgggt gttagttgga atggcagtag 180

gacgcactat gcagactctg tgaagggccg attcatcatc tccagagaca attccaggaa 240

cttcctgtat cagcaaatga acagcctgag gcccgaggac atggctgtgt attactgtgt 300

<210> 3117
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 3117
gtgtgaggtg cagctggtgg agtctggggg aggcttggta cagcctgggg ggtccctgag 60

actctcctgt gcagcctctg gattcacctt cagttactac tacatgagcg gggtccgcca 120

ggctcccggg aaggggctgg aatgggtagg tttcattaga aacaaagcta atggtgggac 180

aacagaatag accacgtctg tgaaaggcag attcacaatc tcaagagatg attccaaaag 240

catcacctat ctgcaaatga agagcctgaa aaccgaggac acggccgtgt attactgttc 300

<210> 3118
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3118
tatccagtgt gagatgcagc tggtggagtc tgggggaggc ttggcaaagc ctgcgtggtc 60

cccgagactc tcctgtgcag cctctcaatt caccttcagt agctactaca tgaactgtgt 120

ccgccaggct ccagggaatg ggctggagtt ggtttgacaa gttaatccta atgggggtag 180

cacatacctc atagactccg gtaaggaccg attcaatacc tccagagata acgccaagaa 240

cacacttcat ctgcaaatga acagcctgaa aaccgaggac acggccctct attagtgtac 300

<210> 3119
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3119
ttcagtgtga ggtggagctg atagagccca cagaggacct gagacaacct gggaagttcc 60

tgagactctc ctgtgtagcc tctagattcg ccttcagtag cttctgaatg agcccagttc 120

accagtctgc aggcaagggg ctggagtgag taatagatat aaaagatgat ggaagtcaga 180

tacaccatgc agactctgtg aagggcagat tctccatctc caaagacaat gctaagaact 240

ctctgtatct gcaaatgaac agtcagagaa ctgaggacat ggctgtgtat ggctgtacat 300

<210> 3120
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3120

tctagtgaga ggtacagctc gtggagtccg gagaggaccc aagacaacct gggggatccc 60

tgagactctc ctgtgcagac tctggattaa ccttcagtag ctactgaagg aactcggttt 120

cccaggctcc agggaagggg ctggagtgag tagtagatat acagtgtgat ggaagtcaga 180

tatgttatgc ataatctttg aagagcaaat tcaccatctc caaagaaaat gccaagaact 240

cactgtattt gctaatgaac agtctgagag cagcgggcac agctgtgtgt tactgtatgt 300

<210> 3121
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3121
ttcagtgtga ggtggagctg atagagtcca tagaggacct gagacaacct gggaagttcc 60

tgagactctc ctgtgtagcc tctagattcg ccttcagtag cttctgaatg agccgagttc 120

accagtctcc aggcaagggg ctggagtgag taatagatat aaaagatgat ggaagtcaga 180

tacaccatgc agactctgtg aagggcagat tctccatctc caaagacaat gctaagaact 240

ctctgtatct gcaaatgaac actcagagag ctgaggacgt ggccgtgtat ggctatacat 300

<210> 3122
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3122
tctagtgaga ggtacagctc gtggagtccg gagaggaccc aagacaacct gggggatcct 60

tgagactctc ctgtgcagac tctggattaa ccttcagtag ctactgaatg agctcggttt 120

cccaggctcc agggaagggg ctggagtgag tagtagatat acagtgtgat ggaagtcaga 180

tatgttatgc ccaatctgtg aagagcaaat tcaccatctc caaagaaaat gccaagaact 240

cactgtattt gcaaatgaac agtctgagag cagagggcac agctgtgtgt tactgtatgt 300

<210> 3123
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3123
agtgtgaggt gcagctggtg gagtctttgg gaggcttgtt atagcctggg ggtccctgag 60

actttctttt gcagcctctg gattcacctt tagtaccttt attaggtact ggatgagctg 120

ggtccatcag gctcctggga aagggctgga gtaggtctca tttatgagtt gttgtgtagg 180

tagcacaagc tatgcagact ctgtgaaggg tcgattcacc ctctccagag atgatgccaa 240

gaaatcactg tatctgcaaa tgaacagcgt cagagccgag gataggtctg tgtattactg 300

<210> 3124
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3124
ggtgtgcagt atgaggtgca gctggtagag tctgggggag acttggtaca gctgtggtgg 60

ggttgggggt gtcctgagac tctcatgtgc agcctgcgga ttcatcttga gaagcaatga 120

catgaactgg gcccaccggg cttcaagaaa ggggctggaa tgggtctcat acattagtgc 180

tagtggtggt agcctatact atgcagacac tgaagggtag attcaccatc tctagagaca 240

atggcaagaa catgctgtac ttgcaaatga acagtctgag agatgaggac tcggctgtgt 300

<210> 3125
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3125
aggtgtccag tgtgaggtgc agctggtgga gtctggggga ggcttggtcc agcctggggg 60

gtccctgaga ctctcctgtg cagcctcagg attctccttt agtagctatg gcatgagctg 120

ggtccgccag gctccaggga aggggctgga gtgagtggca catatctgga atgatggaag 180

tcagaaatac tatgcagact ctgtgaaggg ccgattcaca atctccgaga caattctaag 240

agcatgctct atctgcaaat ggacagtctg aaagctaagg acacggccat gtattactgt 300

<210> 3126
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3126
cgtgaggcgc agctggtgga gtctggggga ggcttggtac agcctgggtg ggtccccgag 60

actctcattt gcagcttcta gattcacctt cagtgacttc tgaatgcact ggatccgcca 120

ggcttctggg aaagggctgg agtgggttgg ccgtattaga accaaacgta acagttacac 180

gacagaatgc gctgcatctg tgaaaggcag gttcaccatc tcaagagatg attcaaagaa 240

cacactgtat ctgcaagtga ataccctgaa aaccgagtac acggccatct attactgtac 300

<210> 3127
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3127
aggtgtccag tgtgaggatc agctggtgga gtctggggga ggcttggtac agcctggggg 60

gtccctgaga ccctcctgtg cagcctctgg attcgccttc agtagctatg ttctgcactg 120

ggttcgccgg gctccaggga agggtccgga gtgggtatca gctattggta ctggtggtga 180

tacatactat gcagactccg tgatgggccg attcaccatc tccagagaca acgccaagaa 240

gtccttgtat cttcaaatga acagcctgat agctgaggac atggctgtgt attattgtgc 300

<210> 3128
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3128
gtctagtgtg gggtgcagat ggtggagtct tggggagagt tggcacaagc tgaatgtgcc 60

tgagactctg ccgtgcatcc tctgaatcca ccttctgtag ctactagatc agctgaatct 120

gccaggctcc aggaaagggg ctgcagtgag tagtagatat aatgtacgat ggaagtcaga 180

cataatatgc agactctgtg aaggtcagat tcaccatctc caaagacaat gccaagcaca 240

ggttgtatct gcaaatgaac agtctgagag ctgagaatat ggctctgtat tattgagtca 300

<210> 3129
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3129
tgtccagtgt gaggtgcagc tggtggagtc tgggtgaggc ttggtacagc ctggagggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctcctgga tgcactgggt 120

ctgccaggct ccggagaagg ggctggagtg ggtggccgac ataaagtgtg acggaagtga 180

gaaatactat gtagactctg tgaagggccg attgaccatc tccagagaca atgccaagaa 240

ctccctctat ctgcaagtga acagcctgag agctgaggac atgaccgtgt attactgtgt 300

<210> 3130
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3130
tccagtgtga ggtacagctg gtggagtctg aagaaaacca aagacaactt gggggatccc 60

tgagactctc ctgtgcagac tctggattaa ccttcagtag ctactgaatg agctcagatt 120

cccaggctcc agggaagggg ctggagtgag tagtagatat atagtaggat agaagtcagc 180

tatgttatgc acaatctgtg aagagcagat tcaccatctc caaagaaaat gccaagaact 240

cactctgttt gcaaatgaac agtctgagag cagagggcac ggccgtgtat tactgtatgt 300

<210> 3131
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3131
aagtcctgtg tgaagtttat tgatggagtc agaggcagaa aattgtacag cccagtggtt 60

cactgagact ctcctgcaaa gcctctgatt tcacctttac tggctacagc atgagcttgg 120

tccagcaggc ttcatgacag ggattggtgt gggtggaaac agtgagtgat caagtgggag 180

ttctcagagt tactctccat gagtacaaat aaattaacag tcccaagcga caccttttca 240

tgtgcagtct accttacaat gaccaacctg aaagccaagg acaaggctgt gtattactgt 300

<210> 3132
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3132
gtccagtgtg aggtgcagct ggtggagtct gggggaggct tagtaaagac tgggagggtc 60

tctgagactc tcctgtgcag cctctggatt caccttcagt agctctgcta tgcactgggt 120

ccaccaggct ccaggaaagg gtttggagtg ggtctcagtt attagtacaa gtggtgatac 180

cgtactctac acagactctg tgaagggctg attcaccatc tctagagaca atgcccagaa 240

ttcactgtat ctgcaaatga acagcctgag agccgacgac atggctgtgt attactgtgt 300

<210> 3133

<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3133
tgtccagtgt gaggtgcagc tggtggagtc tggggaaggc ttggtccagc ctgggggtc 60

cctgagactc tcctgtgcag cctctggatt caccttcagt agctctgcta tgcactgggt 120

ccgccaggct ccaagaaagg gtttgtagtg ggtctcagtt attagtacaa gtggtgatac 180

cgtactctac acagactctg tgaagggccg attcaccatc tccagagaca atgcccagaa 240

ttcactgtct ctgcaaatga acagcctgag agccgagggc acagttgtgt actactgtgt 300

<210> 3134
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3134
ttcagtgtga ggtggagctg atagagtcca tagagggcct gagacaactt gggaagttcc 60

tgagactctc ctgtgtagcc tctggattca ccttcagtag ctactgaatg agctgggtca 120

atgagactct agggaagggg ctggagggag taatagatgt aaaatatgat ggaagtcaga 180

tataccatgc agactctgtg aagggcagat tcaccatctc caaagacaat gctaagaact 240

caccgtatct ccaaacgaac agtctgagag ctgaggacat gaccatgcat ggctgtacat 300

<210> 3135
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3135
tgtgaggtgc agctggtgga gtctggggga ggcttggtac agcctggggg gtccctgaga 60

ctctcctgtg cagcctctgg attcaccttc cgttaactac tgcatgcagt ggatctgccg 120

ggctccagga aaggggctgg agtgggtagg tttcactaaa aacaaaacta atcgtggaac 180

aacagaatac gccgcgtctg tgaaaggcag attcaccatc tcaagcgatg attccaaaag 240

catcgcctat ctgcaaatga acagcctgaa aaccgaggac acggccgtgt attactatac 300

<210> 3136
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3136
gtgtgaggtg cagctggtgg agtccggggg aggcttggtc cagcctgggg ggtccctgag 60

actctcctgt gcagcctctg gattcacctt cagtgactac tacatgagct gggtccgcca 120

ggctcccggg aaggggctgg agtgggtagg tttcattaga aacaaagcta atggtgggac 180

aacagaatag accacgtctg tgaaaggcag attcacaatc tcaagagatg attccaaaag 240

catcacctat ctgcaaatga acagcctgag agccgaggac acggccgtgt attactgtgc 300

<210> 3137
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3137
cgcagttgtt ggagcctggg ggagacttgg tacagcctgg cgcggtgggg gtgggggtcc 60

ctgagactgt cctgtgcagc ctctggattt gccttcagta gccactggat gcactgggcc 120

tgccaggctc cagggaacag actggagtgg gtctcatgta ttagtactga tgggagtagc 180

atacgctatg cacattctgg gaagttctga ttccccatct ccagaaacaa tgccaagaac 240

acactcttat ctggaaatga acagtttgag agctgagtac acagccacgt attactgtgc 300

<210> 3138
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3138
caggtgtcca atgtgaagtg tagctggtag agtctggggg aggcttggta cagcttgggg 60

ggtccatgtg actctcctgt gcagcctctg gatacacttt cagtaactat ggcatgcact 120

aggtggacca agctccaggg aagggactgg agtgggtctt acattaatgc tagtggtgga 180

ggcatatact actcagactc tgtgaagggc cggttgacca tctccagaga aaacaccaag 240

aactcactgt atctgcaaat aaacagtttc attgctgaca ccatggccgt ctattactgt 300

<210> 3139
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3139
tgtccagtgt gaggtacagc tggtggagtc tggagaggac ccaagacaac ctgggttccc 60

tgagactctc ctgtgcagcc tctggattaa ccttcagtag ctactgaatg agctcggttt 120

cccaggctcc agggaagggg ctggagtgag tagtagatat acagtgtgat ggaagtcaga 180

tatgttatgc acaatctgtg acgagcagat tcaccgtctc caaagaaaat gccaagaact 240

cactgtattt gcaaatgaac agtctgagag cagagggcac agctgtgtgt tactgtatgt 300

<210> 3140
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3140
aggtgtccag tgtgaggtgc agctggtgga gtctggggga ggcttggtaa agcctggggg 60

gtccctgaga ctctcctgtg cagcctctgg attcaccttc agtgactact acatgaactg 120

ggtccgccag gctccaggga aggggctgga gtgggtctca tccattagta gtagtagtac 180

catatactac gcagactctg tgaagggccg attcaccatc tccagagaca acgccaagaa 240

ctcactgtat ctgcaaatga acagcctgag agccgaggac acggctgtgt attactgtgc 300

<210> 3141
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3141
ggtcctgtcc caggtgcagc tgcaggagtc gggcccagga ctggtgaagc cttcggagac 60

cctgtccctc atctgcgctg tctctggtga ctccatcagc agtggtaact ggtgaatctg 120

ggtccgccag cccccaggga aggggctgga gtggattggg gaaatccatc atagtgggag 180

cacctactac aacccgtccc tcaagagtcg aatcaccatg tccgtagaca cgtccaagaa 240

ccagttctac ctgaagctga gctctgtgac cgccgcggac acggccgtgt attactgtgc 300

<210> 3142
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3142
acaggggtcc tgtcccagtg cagctgcagg agtggggccc aggactggtg aagcttcgga 60

gaccctgtcc ctcacatgcg ctgtctctgg tgactccatc agcagtggta actggtggag 120

ctggtccgcc agtccccagg gaaggggctg gaatggattg gatacatcta ttatagtggg 180

aggagctact acaccccgtc cctcaggagt tgagtcacca tgtcaataga aacgtccaag 240

aaccagtttt ccctgaagct gagctctgtg accgcaggga ggcggagggg gcgggcgcag 300

<210> 3143
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3143
agctgttgca gtctgcagca gaggtgaaaa gacccgggga gtctctgagg atctcctgta 60

agacttctgg atacagcttt accagctact ggatccactg ggtgcgccag atgcccggga 120

aagaactgga gtggatgggg agcatctatc ctgggaactc tgataccaga tacagcccat 180

ccttccaagg ccacgtcacc atctcagccg acagctccag cagcaccgcc tacctgcagt 240

ggagcagcct gaaggcctcg gacgccgcca tgtattattg tgtgagaggg accatctaaa 300

<210> 3144
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3144
ctcctctcca caggtgtcca ctcacaggtg cagctggtgc agtctgggcc tgaggtgaag 60

aagcctggag cctcattgaa ggtttcctgc aaggcttctg gatacacctt cacaagctat 120

gctatcagct gggtatgaca ggcccatgga caagggcttg aggaaatggg atggatcaac 180

accaacactg ggaacctaac gtatgcccag ggcttcacag gacggtttgt cttctccatg 240

gacacctccg tcagcatggc atatcttcat atcagcagcc taaaggctga ggacacgtgc 300

<210> 3145
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3145
aggtgcccac tccctgcagc tggtgcagtc tgggcctgag gtgaagaagc ctggggcctc 60

agtgaaggtc tcctataagt cttctggtta caccttcacc atctatggta tgaattgggt 120

atgatagacc cctggacagg gctttgagtg gatgtgatgg atcatcacct acactgggaa 180

cccaacgtat acccacggct tcacaggatg gtttgtcttc tccatggaca cgtctgtcag 240

cacggcgtgt cttcagatca gcagcctaaa ggctgaggac acggccgagt attactgtgc 300

<210> 3146
<211> 253
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3146
tgattagata aaatatgata tatgtaaatc atggaatact atgcagccag tatggtatga 60

attcagtgtg accagcccct ggacaagggc ttgagtggat gggatggatc atcacctaca 120

ctgggaaccc aacatatacc aacggcttca caggacggtt tctattctcc atggacacct 180

ctgtcagcat ggcgtatctg aagatcagca gcctaaaggc tgaggacacg gccgtgtatg 240

actgtatgag aga 253

<210> 3147
<211> 300
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3147
ggtgcccact cccgagtgca gctggtgcag tctgggcctg aggtgaagca gcctggggcc 60

tcggcgaagg tctcctgcaa ggtgtctggt taaactgtca tcacctatgg tatgaattgg 120

atacgacaga ccccaggaca ggggcttgag tggatgggat ggatcatcct accctggtga 180

acccaatgta tgcccacaga ttcacacacg gtttgtcttc tccatggaca cctctgtcag 240

cacggcggat ctgcagacta gctgcctaaa gactgaggat gcagccattt attactgtgt 300

<210> 3148
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3148
atacttccag cactggggcc agggcaccct ggtcaccgtc tcctcaggtg agtctgctgt 60

ctggggatag cggggagcca ggtgtactgg gccaggcaag 100

<210> 3149
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3149
ggtacttcga tctctggggc cgtggcaccc tggtcactgt ctcctcaggt gagtcccact 60

gcagcccccc cccagtcttc tctgtccagg caccaggcca 100

<210> 3150
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3150
cttttgatat ctggggccaa gggacaatgg tcaccgtctc ttcaggtaag atggctttcc 60

ttctgcctcc tttctctggg cccagcgtcc tctgtcctgg 100

<210> 3151
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3151
tttgactact ggggccaggg aaccctggtc accgtctcct caggtgagtc ctcacaacct 60

ctctcctgct ttaactctga agggttttgc tgcatttctg 100

<210> 3152
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3152
tggttcgacc cctggggcca gggaaccctg gtcaccgtct cctcaggtga gtcctcacca 60

ccccctctct gagtccactt agggagactc agcttgccag 100

<210> 3153
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3153
tactactact actacatgga cgtctggggc aaagggacca cggtcaccgt ctcctcaggt 60

aagaatggcc actctagggc ctttgttttc tgctactgcc 100

<210> 3154
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3154
tgctgggggc ccctggaccc gacccgccct ggagaccgca gccacatcag cccccagccc 60

cacaggcccc ctaccagccg cagggttttg gctgagctga 100

<210> 3155
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3155
aagtgcttgg agcactgggg ccagggcagc ccggccaccg tctccctggg aacgtcaccc 60

ctccctgcct gggtctcagc ccgggggtct gtgtggctgg 100

<210> 3156
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3156
agttggactt cccaggccga cagtggtctg gcttctgagg ggtcaggcca gaatgtgggg 60

tacgtgggag gccagcagag ggttccatga gaagggcagg 100

<210> 3157
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3157
gccttgccag cccgctcaga cacacgtgac actcttctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag acacacgtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3158
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3158
gccttgccag cccgctcaga cacacgtttc ggaactctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat acacacgttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3159
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3159
gccttgccag cccgctcaga cacacgtaag taacgtctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag acacacgtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3160
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3160
gccttgccag cccgctcaga cacacgtgtc tcctatctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag acacacgtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3161
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3161
gccttgccag cccgctcaga cacacgtaga gtgtctctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct acacacgtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3162
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3162
gccttgccag cccgctcaga cacacgtgtt ccgaatctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat acacacgtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3163
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3163
gccttgccag cccgctcaga cacacgtcgt tactttctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc acacacgtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3164
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3164
gccttgccag cccgctcaga cacacgttag gagactctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg acacacgtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3165
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3165
gccttgccag cccgctcaga cacacgtgtg tctactctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc acacacgtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3166
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3166
gccttgccag cccgctcaga cacacgtgta cagtgtctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg acacacgtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3167
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3167
gccttgccag cccgctcaga cacacgtgga tcatctctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg acacacgtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3168
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3168
gccttgccag cccgctcaga cacacgttat tggcgtctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg acacacgtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3169
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3169
gccttgccag cccgctcaga cacacgtagg cttgatctta ttttcatagg ctccatggat 60

actggaatta cccagacacc aaaatacctg gtcacagcaa tggggagtaa aaggacaatg 120

aaacgtgagc atctgggaca tgattctatg tattggtaca gacagaaagc taagaaatcc 180

ctggagttca tgttttacta caactgtaag gaattcattg aaaacaagac tgtgccaaat 240

cacttcacac ctgaatgccc tgacagctct cgcttatacc ttcatgtggt cgcactgcag 300

caagaagact cagctgcgta tctctgcacc agcagtgaac acacgtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg acacacgtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3170
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3170
gccttgccag cccgctcagt agacggagac actcttctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tagacggaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3171
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3171
gccttgccag cccgctcagt agacggattc ggaactctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tagacggatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3172
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3172
gccttgccag cccgctcagt agacggaaag taacgtctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tagacggaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3173
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3173
gccttgccag cccgctcagt agacggagtc tcctatctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tagacggagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3174
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3174
gccttgccag cccgctcagt agacggaaga gtgtctctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tagacggaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3175
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3175
gccttgccag cccgctcagt agacggagtt ccgaatctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tagacggagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3176
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3176
gccttgccag cccgctcagt agacggacgt tactttctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tagacggacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3177
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3177
gccttgccag cccgctcagt agacggatag gagactctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tagacggata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3178

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3178
gccttgccag cccgctcagt agacggagtg tctactctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tagacggagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3179
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3179
gccttgccag cccgctcagt agacggagta cagtgtctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tagacggagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3180
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3180
gccttgccag cccgctcagt agacggagga tcatctctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tagacggagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3181
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3181
gccttgccag cccgctcagt agacggatat tggcgtctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tagacggata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3182
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3182
gccttgccag cccgctcagt agacggaagg cttgatctca caggactcac agaacctgaa 60

gtcacccaga ctcccagcca tcaggtcaca cagatgggac aggaagtgat cttgcgctgt 120

gtccccatct ctaatcactt atacttctat tggtacagac aaatcttggg gcagaaagtc 180

gagtttctgg tttcctttta taataatgaa atctcagaga agtctgaaat attcgatgat 240

caattctcag ttgaaaggcc tgatggatca aatttcactc tgaagatccg gtccacaaag 300

ctggaggact cagccatgta cttctgtgcc agcagtgata gacggaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tagacggaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3183
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3183
gccttgccag cccgctcagc agctcttgac actctttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cagctcttga cactctctga 480

tggcgcgagg gaggc 495

<210> 3184
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3184
gccttgccag cccgctcagc agctcttttc ggaacttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cagctctttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3185
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3185
gccttgccag cccgctcagc agctcttaag taacgttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cagctcttaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3186
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3186
gccttgccag cccgctcagc agctcttgtc tcctattcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cagctcttgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3187
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3187
gccttgccag cccgctcagc agctcttaga gtgtcttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cagctcttag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3188
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3188
gccttgccag cccgctcagc agctcttgtt ccgaattcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cagctcttgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3189
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3189
gccttgccag cccgctcagc agctcttcgt tacttttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cagctcttcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3190
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3190
gccttgccag cccgctcagc agctctttag gagacttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctctttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cagctcttta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3191
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3191
gccttgccag cccgctcagc agctcttgtg tctacttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc cagctcttgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3192
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3192
gccttgccag cccgctcagc agctcttgta cagtgttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cagctcttgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3193
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3193
gccttgccag cccgctcagc agctcttgga tcatcttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cagctcttgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3194
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3194
gccttgccag cccgctcagc agctctttat tggcgttcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctctttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cagctcttta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3195
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3195
gccttgccag cccgctcagc agctcttagg cttgattcct ttgcaggtcc cttggacaca 60

gctgtttccc agactccaaa atacctggtc acacagatgg gaaacgacaa gtccattaaa 120

tgtgaacaaa atctgggcca tgatactatg tattggtata aacaggactc taagaaattt 180

ctgaagataa tgtttagcta caataataag gagctcatta taaatgaaac agttccaaat 240

cgcttctcac ctaaatctcc agacaaagct cacttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaca gctcttaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cagctcttag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3196
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3196
gccttgccag cccgctcagg agcgatagac actctttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gagcgataga cactctctga 480

tggcgcgagg gaggc 495

<210> 3197
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3197
gccttgccag cccgctcagg agcgatattc ggaacttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gagcgatatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3198
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3198
gccttgccag cccgctcagg agcgataaag taacgttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgataaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gagcgataaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3199
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3199
gccttgccag cccgctcagg agcgatagtc tcctattcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gagcgatagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3200
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3200
gccttgccag cccgctcagg agcgataaga gtgtcttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgataagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gagcgataag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3201

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3201
gccttgccag cccgctcagg agcgatagtt ccgaattcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gagcgatagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3202
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3202
gccttgccag cccgctcagg agcgatacgt tacttttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gagcgatacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3203
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3203
gccttgccag cccgctcagg agcgatatag gagacttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gagcgatata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3204
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3204
gccttgccag cccgctcagg agcgatagtg tctacttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gagcgatagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3205
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3205
gccttgccag cccgctcagg agcgatagta cagtgttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gagcgatagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3206
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3206
gccttgccag cccgctcagg agcgatagga tcatcttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgataggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gagcgatagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3207
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3207
gccttgccag cccgctcagg agcgatatat tggcgttcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgatatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gagcgatata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3208
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3208
gccttgccag cccgctcagg agcgataagg cttgattcct ttacagatcc actggacaca 60

gccgtttccc agactccaaa atacctggtc acacagatgg gaaaaaagga gtctcttaaa 120

tgagaacaaa atctgggcca taatgctatg tattggtata aacaggactc taagaaattt 180

ctgaagacaa tgtttatcta cagtaacaag gagccaattt taaatgaaac agttccaaat 240

cgcttctcac ctgactctcc agacaaagct catttaaatc ttcacatcaa ttccctggag 300

cttggtgact ctgctgtgta tttctgtgcc agcagtgaga gcgataaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gagcgataag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3209
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3209
gccttgccag cccgctcagg catctgagac actcttcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gcatctgaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3210
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3210
gccttgccag cccgctcagg catctgattc ggaactcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gcatctgatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3211
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3211
gccttgccag cccgctcagg catctgaaag taacgtcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gcatctgaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3212
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3212
gccttgccag cccgctcagg catctgagtc tcctatcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gcatctgagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3213
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3213
gccttgccag cccgctcagg catctgaaga gtgtctcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gcatctgaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3214
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3214
gccttgccag cccgctcagg catctgagtt ccgaatcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gcatctgagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3215
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3215
gccttgccag cccgctcagg catctgacgt tactttcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gcatctgacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3216
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3216
gccttgccag cccgctcagg catctgatag gagactcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gcatctgata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3217
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3217
gccttgccag cccgctcagg catctgagtg tctactcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gcatctgagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3218
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3218
gccttgccag cccgctcagg catctgagta cagtgtcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gcatctgagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3219
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3219
gccttgccag cccgctcagg catctgagga tcatctcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gcatctgagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3220
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3220
gccttgccag cccgctcagg catctgatat tggcgtcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gcatctgata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3221
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3221
gccttgccag cccgctcagg catctgaagg cttgatcctc ctacagttcc catagacact 60

gaagttaccc agacaccaaa acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atatggggca cagggctatg tattggtaca agcagaaagc taagaagcca 180

ccggagctca tgtttgtcta cagctatgag aaactctcta taaatgaaag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct ctcttaaacc ttcacctaca cgccctgcag 300

ccagaagact cagccctgta tctctgcgcc agcagtgagc atctgaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gcatctgaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3222
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3222
gccttgccag cccgctcagt gctacacgac actcttcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tgctacacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3223
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3223
gccttgccag cccgctcagt gctacacttc ggaactcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tgctacactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3224

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3224
gccttgccag cccgctcagt gctacacaag taacgtcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tgctacacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3225
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3225
gccttgccag cccgctcagt gctacacgtc tcctatcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tgctacacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3226
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3226
gccttgccag cccgctcagt gctacacaga gtgtctcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tgctacacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3227
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3227
gccttgccag cccgctcagt gctacacgtt ccgaatcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tgctacacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3228
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3228
gccttgccag cccgctcagt gctacaccgt tactttcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tgctacaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3229
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3229
gccttgccag cccgctcagt gctacactag gagactcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacactagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tgctacacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3230
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3230
gccttgccag cccgctcagt gctacacgtg tctactcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tgctacacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3231
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3231
gccttgccag cccgctcagt gctacacgta cagtgtcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tgctacacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3232
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3232
gccttgccag cccgctcagt gctacacgga tcatctcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tgctacacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3233
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3233
gccttgccag cccgctcagt gctacactat tggcgtcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tgctacacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3234
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3234
gccttgccag cccgctcagt gctacacagg cttgatcccc ccgcagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctggggca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta caactttaaa gaacagactg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgtgcc agcagtgatg ctacacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tgctacacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3235
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3235
gccttgccag cccgctcaga actgccagac actcttcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag aactgccaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3236
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3236
gccttgccag cccgctcaga actgccattc ggaactcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat aactgccatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3237
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3237
gccttgccag cccgctcaga actgccaaag taacgtcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag aactgccaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3238
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3238
gccttgccag cccgctcaga actgccagtc tcctatcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag aactgccagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3239
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3239
gccttgccag cccgctcaga actgccaaga gtgtctcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct aactgccaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3240
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3240
gccttgccag cccgctcaga actgccagtt ccgaatcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat aactgccagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3241
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3241
gccttgccag cccgctcaga actgccacgt tactttcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc aactgccacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3242
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3242
gccttgccag cccgctcaga actgccatag gagactcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg aactgccata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3243
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3243
gccttgccag cccgctcaga actgccagtg tctactcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc aactgccagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3244
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3244
gccttgccag cccgctcaga actgccagta cagtgtcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg aactgccagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3245
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3245
gccttgccag cccgctcaga actgccagga tcatctcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg aactgccagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3246
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3246
gccttgccag cccgctcaga actgccatat tggcgtcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg aactgccata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3247

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3247
gccttgccag cccgctcaga actgccaagg cttgatcccc ccacagtccc catggaaacg 60

ggagttacgc agacaccaag acacctggtc atgggaatga caaataagaa gtctttgaaa 120

tgtgaacaac atctgggtca taacgctatg tattggtaca agcaaagtgc taagaagcca 180

ctggagctca tgtttgtcta cagtcttgaa gaacgggttg aaaacaacag tgtgccaagt 240

cgcttctcac ctgaatgccc caacagctct cacttattcc ttcacctaca caccctgcag 300

ccagaagact cggccctgta tctctgcgcc agcagtgaaa ctgccaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg aactgccaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3248
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3248
gccttgccag cccgctcagt tggactggac actctctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ttggactgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3249
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3249
gccttgccag cccgctcagt tggactgttc ggaacctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ttggactgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3250
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3250
gccttgccag cccgctcagt tggactgaag taacgctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ttggactgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3251
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3251
gccttgccag cccgctcagt tggactggtc tcctactttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ttggactggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3252
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3252
gccttgccag cccgctcagt tggactgaga gtgtcctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ttggactgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3253
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3253
gccttgccag cccgctcagt tggactggtt ccgaactttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ttggactggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3254
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3254
gccttgccag cccgctcagt tggactgcgt tacttctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ttggactgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3255
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3255
gccttgccag cccgctcagt tggactgtag gagacctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ttggactgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3256
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3256
gccttgccag cccgctcagt tggactggtg tctacctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc ttggactggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3257
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3257
gccttgccag cccgctcagt tggactggta cagtgctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ttggactggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3258
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3258
gccttgccag cccgctcagt tggactggga tcatcctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ttggactggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3259
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3259
gccttgccag cccgctcagt tggactgtat tggcgctttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ttggactgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3260
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3260
gccttgccag cccgctcagt tggactgagg cttgactttt cccacaggcc cagtaaaggc 60

tggagtcact caaactccaa gatatctgat caaaacgaga ggacagcaag tgacactgag 120

ctgctcccct atctctgggc ataggagtgt atcctggtac caacagaccc caggacaggg 180

ccttcagttc ctctttgaat acttcagtga gacacagaga aacaaaggaa acttccctgg 240

tcgattctca gggcgccagt tctctaactc tcgctctgag atgaatgtga gcaccttgga 300

gctgggggac tcggcccttt atctttgcgc cagcatgatt ggactgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ttggactgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3261
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3261
gccttgccag cccgctcagg tagacacgac actctttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtagacacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3262
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3262
gccttgccag cccgctcagg tagacacttc ggaacttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtagacactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3263
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3263
gccttgccag cccgctcagg tagacacaag taacgttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtagacacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3264
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3264
gccttgccag cccgctcagg tagacacgtc tcctattctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtagacacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3265
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3265
gccttgccag cccgctcagg tagacacaga gtgtcttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtagacacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3266
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3266
gccttgccag cccgctcagg tagacacgtt ccgaattctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtagacacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3267
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3267
gccttgccag cccgctcagg tagacaccgt tacttttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtagacaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3268
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3268
gccttgccag cccgctcagg tagacactag gagacttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacactagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtagacacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3269
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3269
gccttgccag cccgctcagg tagacacgtg tctacttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gtagacacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3270

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3270
gccttgccag cccgctcagg tagacacgta cagtgttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtagacacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3271
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3271
gccttgccag cccgctcagg tagacacgga tcatcttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtagacacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3272
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3272
gccttgccag cccgctcagg tagacactat tggcgttctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtagacacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3273
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3273
gccttgccag cccgctcagg tagacacagg cttgattctc cacctatttt ttcctcaggc 60

ccagtggagg ctggaatcac ccaagctcca agacacctga tcaaaacaag agaccagcaa 120

gtgacactga gatgctcccc tgcctctggg cataactgtg tgtcctggta cctacgaact 180

ccaagtcagc ccctctagtt attgttacaa tattgtaata ggttacaaag agcaaaagga 240

aacttgccta attgattctc agctcaccac gtccataact attactgagt caaacacgga 300

gctaggggac tcagccctgt atctctgtgc cagcatgagt agacacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtagacacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3274
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3274
gccttgccag cccgctcagc actgtacgac actctctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cactgtacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3275
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3275
gccttgccag cccgctcagc actgtacttc ggaacctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cactgtactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3276
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3276
gccttgccag cccgctcagc actgtacaag taacgctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cactgtacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3277
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3277
gccttgccag cccgctcagc actgtacgtc tcctactttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cactgtacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3278
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3278
gccttgccag cccgctcagc actgtacaga gtgtcctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cactgtacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3279
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3279
gccttgccag cccgctcagc actgtacgtt ccgaactttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cactgtacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3280
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3280
gccttgccag cccgctcagc actgtaccgt tacttctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cactgtaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3281
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3281
gccttgccag cccgctcagc actgtactag gagacctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtactagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cactgtacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3282
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3282
gccttgccag cccgctcagc actgtacgtg tctacctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc cactgtacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3283
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3283
gccttgccag cccgctcagc actgtacgta cagtgctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cactgtacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3284
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3284
gccttgccag cccgctcagc actgtacgga tcatcctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cactgtacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3285
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3285
gccttgccag cccgctcagc actgtactat tggcgctttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cactgtacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3286
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3286
gccttgccag cccgctcagc actgtacagg cttgactttt cccacaggcc cagtggaggc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acagcagtgt gtcctggtac caacaggccc cgggtcaggg 180

gccccagttt atctttgaat atgctaatga gttaaggaga tcagaaggaa acttccctaa 240

tcgattctca gggcgccagt tccatgactg ttgctctgag atgaatgtga gtgccttgga 300

gctgggggac tcggccctgt atctctgtgc cagaatgaca ctgtacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cactgtacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3287
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3287
gccttgccag cccgctcagg atgatccgac actctctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gatgatccga cactctctga 480

tggcgcgagg gaggc 495

<210> 3288
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3288
gccttgccag cccgctcagg atgatccttc ggaacctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gatgatcctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3289
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3289
gccttgccag cccgctcagg atgatccaag taacgctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gatgatccaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3290
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3290
gccttgccag cccgctcagg atgatccgtc tcctactttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gatgatccgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3291
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3291
gccttgccag cccgctcagg atgatccaga gtgtcctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gatgatccag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3292
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3292
gccttgccag cccgctcagg atgatccgtt ccgaactttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gatgatccgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3293

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3293
gccttgccag cccgctcagg atgatcccgt tacttctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatcccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gatgatcccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3294
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3294
gccttgccag cccgctcagg atgatcctag gagacctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatcctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gatgatccta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3295
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3295
gccttgccag cccgctcagg atgatccgtg tctacctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc gatgatccgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3296
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3296
gccttgccag cccgctcagg atgatccgta cagtgctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gatgatccgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3297
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3297
gccttgccag cccgctcagg atgatccgga tcatcctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gatgatccgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3298
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3298
gccttgccag cccgctcagg atgatcctat tggcgctttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatcctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gatgatccta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3299
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3299
gccttgccag cccgctcagg atgatccagg cttgactttt cccacaggct cagtggagac 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctcttct cagtctgggc acaacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attataggga ggaagagaat ggcagaggaa acttccctcc 240

tagattctca ggtctccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggacgac tcggccctgt atctctgtgc cagcatgaga tgatccaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gatgatccag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3300
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3300
gccttgccag cccgctcagc gccaatagac actctctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cgccaataga cactctctga 480

tggcgcgagg gaggc 495

<210> 3301
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3301
gccttgccag cccgctcagc gccaatattc ggaacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cgccaatatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3302
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3302
gccttgccag cccgctcagc gccaataaag taacgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaataaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cgccaataaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3303
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3303
gccttgccag cccgctcagc gccaatagtc tcctactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cgccaatagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3304
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3304
gccttgccag cccgctcagc gccaataaga gtgtcctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaataagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cgccaataag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3305
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3305
gccttgccag cccgctcagc gccaatagtt ccgaactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cgccaatagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3306
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3306
gccttgccag cccgctcagc gccaatacgt tacttctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cgccaatacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3307
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3307
gccttgccag cccgctcagc gccaatatag gagacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cgccaatata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3308
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3308
gccttgccag cccgctcagc gccaatagtg tctacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc cgccaatagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3309
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3309
gccttgccag cccgctcagc gccaatagta cagtgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cgccaatagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3310
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3310
gccttgccag cccgctcagc gccaatagga tcatcctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaataggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cgccaatagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3311
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3311
gccttgccag cccgctcagc gccaatatat tggcgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaatatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cgccaatata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3312
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3312
gccttgccag cccgctcagc gccaataagg cttgactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct atctctgggc acaagagtgt gtcctggtac caacaggtcc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcgattctca gctcgccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctgt atctctgtgc cagcatgacg ccaataaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cgccaataag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3313
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3313
gccttgccag cccgctcagt caagcctgac actctctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tcaagcctga cactctctga 480

tggcgcgagg gaggc 495

<210> 3314
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3314
gccttgccag cccgctcagt caagcctttc ggaacctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tcaagccttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3315
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3315
gccttgccag cccgctcagt caagcctaag taacgctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tcaagcctaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3316

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3316
gccttgccag cccgctcagt caagcctgtc tcctactttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tcaagcctgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3317
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3317
gccttgccag cccgctcagt caagcctaga gtgtcctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tcaagcctag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3318
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3318
gccttgccag cccgctcagt caagcctgtt ccgaactttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tcaagcctgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3319
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3319
gccttgccag cccgctcagt caagcctcgt tacttctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tcaagcctcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3320
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3320
gccttgccag cccgctcagt caagccttag gagacctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagccttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tcaagcctta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3321
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3321
gccttgccag cccgctcagt caagcctgtg tctacctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tcaagcctgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3322
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3322
gccttgccag cccgctcagt caagcctgta cagtgctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tcaagcctgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3323
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3323
gccttgccag cccgctcagt caagcctgga tcatcctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tcaagcctgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3324
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3324
gccttgccag cccgctcagt caagccttat tggcgctttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagccttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tcaagcctta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3325
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3325
gccttgccag cccgctcagt caagcctagg cttgactttt cccacaggct tagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcaag tgactctgag 120

atgctctcct aagtctgggc atgacactgt gtcctggtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagga ggaagagaga cagagaggca acttccctga 240

tcgattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctgggggac tcggccctct atctctgtgc cagcatgatc aagcctaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tcaagcctag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3326
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3326
gccttgccag cccgctcaga cgtgtgtgac actctctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag acgtgtgtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3327
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3327
gccttgccag cccgctcaga cgtgtgtttc ggaacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat acgtgtgttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3328
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3328
gccttgccag cccgctcaga cgtgtgtaag taacgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag acgtgtgtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3329
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3329
gccttgccag cccgctcaga cgtgtgtgtc tcctactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag acgtgtgtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3330
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3330
gccttgccag cccgctcaga cgtgtgtaga gtgtcctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct acgtgtgtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3331
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3331
gccttgccag cccgctcaga cgtgtgtgtt ccgaactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat acgtgtgtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3332
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3332
gccttgccag cccgctcaga cgtgtgtcgt tacttctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc acgtgtgtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3333
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3333
gccttgccag cccgctcaga cgtgtgttag gagacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg acgtgtgtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3334
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3334
gccttgccag cccgctcaga cgtgtgtgtg tctacctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc acgtgtgtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3335
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3335
gccttgccag cccgctcaga cgtgtgtgta cagtgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg acgtgtgtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3336
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3336
gccttgccag cccgctcaga cgtgtgtgga tcatcctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg acgtgtgtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3337
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3337
gccttgccag cccgctcaga cgtgtgttat tggcgctttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg acgtgtgtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3338
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3338
gccttgccag cccgctcaga cgtgtgtagg cttgactttt cccacaggcc cagtggacgc 60

tggagtcacc caaagtccca cacacctgat caaaacgaga ggacagcacg tgactctgag 120

atgctctcct atctctgggc acaccagtgt gtcctcgtac caacaggccc tgggtcaggg 180

gccccagttt atctttcagt attatgagaa agaagagaga ggaagaggaa acttccctga 240

tcaattctca ggtcaccagt tccctaacta tagctctgag ctgaatgtga acgccttgtt 300

gctaggggac tcggccctct atctctgtgc cagcatgaac gtgtgtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg acgtgtgtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3339

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3339
gccttgccag cccgctcagt ccgtctagac actctctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tccgtctaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3340
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3340
gccttgccag cccgctcagt ccgtctattc ggaacctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tccgtctatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3341
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3341
gccttgccag cccgctcagt ccgtctaaag taacgctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tccgtctaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3342
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3342
gccttgccag cccgctcagt ccgtctagtc tcctactttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tccgtctagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3343
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3343
gccttgccag cccgctcagt ccgtctaaga gtgtcctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tccgtctaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3344
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3344
gccttgccag cccgctcagt ccgtctagtt ccgaactttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tccgtctagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3345
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3345
gccttgccag cccgctcagt ccgtctacgt tacttctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tccgtctacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3346
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3346
gccttgccag cccgctcagt ccgtctatag gagacctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tccgtctata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3347
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3347
gccttgccag cccgctcagt ccgtctagtg tctacctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tccgtctagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3348
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3348
gccttgccag cccgctcagt ccgtctagta cagtgctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tccgtctagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3349
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3349
gccttgccag cccgctcagt ccgtctagga tcatcctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tccgtctagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3350
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3350
gccttgccag cccgctcagt ccgtctatat tggcgctttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tccgtctata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3351
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3351
gccttgccag cccgctcagt ccgtctaagg cttgactttt cctgcaggcc cagtggaggc 60

tggagtcaca caaagtccca cacacctgat caaaacgaga ggacagcaag cgactctgag 120

atgctctcct atctctgggc acaccagtgt gtactggtac caacaggccc tgggtctggg 180

cctccagttc ctcctttggt atgacgaggg tgaagagaga aacagaggaa acttccctcc 240

tagattttca ggtcgccagt tccctaatta tagctctgag ctgaatgtga acgccttgga 300

gctggaggac tcggccctgt atctctgtgc cagcatgatc cgtctaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tccgtctaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3352
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3352
gccttgccag cccgctcaga agagctggac actctcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag aagagctgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3353
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3353
gccttgccag cccgctcaga agagctgttc ggaaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat aagagctgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3354
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3354
gccttgccag cccgctcaga agagctgaag taacgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag aagagctgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3355
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3355
gccttgccag cccgctcaga agagctggtc tcctacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag aagagctggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3356
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3356
gccttgccag cccgctcaga agagctgaga gtgtccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct aagagctgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3357
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3357
gccttgccag cccgctcaga agagctggtt ccgaacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat aagagctggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3358
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3358
gccttgccag cccgctcaga agagctgcgt tacttcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc aagagctgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3359
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3359
gccttgccag cccgctcaga agagctgtag gagaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg aagagctgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3360
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3360
gccttgccag cccgctcaga agagctggtg tctaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc aagagctggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3361
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3361
gccttgccag cccgctcaga agagctggta cagtgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg aagagctggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3362

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3362
gccttgccag cccgctcaga agagctggga tcatccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg aagagctggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3363
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3363
gccttgccag cccgctcaga agagctgtat tggcgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg aagagctgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3364
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3364
gccttgccag cccgctcaga agagctgagg cttgacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca taactccatg tactggtatc gacaagaccc aggcatggga 180

ctgaggctga tttattactc agcttctgag ggtaccactg acaaaggaga agtccccaat 240

ggctacaatg tctccagatt aaacaaacgg gagttctcgc tcaggctgga gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaaa gagctgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg aagagctgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3365
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3365
gccttgccag cccgctcagt cagatgcgac actctcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tcagatgcga cactctctga 480

tggcgcgagg gaggc 495

<210> 3366
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3366
gccttgccag cccgctcagt cagatgcttc ggaaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tcagatgctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3367
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3367
gccttgccag cccgctcagt cagatgcaag taacgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tcagatgcaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3368
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3368
gccttgccag cccgctcagt cagatgcgtc tcctacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tcagatgcgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3369
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3369
gccttgccag cccgctcagt cagatgcaga gtgtccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tcagatgcag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3370
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3370
gccttgccag cccgctcagt cagatgcgtt ccgaacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tcagatgcgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3371
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3371
gccttgccag cccgctcagt cagatgccgt tacttcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tcagatgccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3372
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3372
gccttgccag cccgctcagt cagatgctag gagaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tcagatgcta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3373
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3373
gccttgccag cccgctcagt cagatgcgtg tctaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tcagatgcgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3374
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3374
gccttgccag cccgctcagt cagatgcgta cagtgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tcagatgcgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3375
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3375
gccttgccag cccgctcagt cagatgcgga tcatccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tcagatgcgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3376
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3376
gccttgccag cccgctcagt cagatgctat tggcgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tcagatgcta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3377
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3377
gccttgccag cccgctcagt cagatgcagg cttgacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgggtc ctgaagacag gacagagcat gacactgctg 120

tgtgcccagg atatgaacca tgaatacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgag ggtacaactg ccaaaggaga ggtccctgat 240

ggctacaatg tctccagatt aaaaaaacag aatttcctgc tggggttgga gtcggctgct 300

ccctcccaaa catctgtgta cttctgtgcc agcagtgatc agatgcaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tcagatgcag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3378
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3378
gccttgccag cccgctcagg tgtagcagac actctcttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtgtagcaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3379
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3379
gccttgccag cccgctcagg tgtagcattc ggaaccttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtgtagcatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3380
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3380
gccttgccag cccgctcagg tgtagcaaag taacgcttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtgtagcaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3381
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3381
gccttgccag cccgctcagg tgtagcagtc tcctacttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtgtagcagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3382
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3382
gccttgccag cccgctcagg tgtagcaaga gtgtccttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtgtagcaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3383
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3383
gccttgccag cccgctcagg tgtagcagtt ccgaacttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtgtagcagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3384
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3384
gccttgccag cccgctcagg tgtagcacgt tacttcttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtgtagcacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3385

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3385
gccttgccag cccgctcagg tgtagcatag gagaccttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtgtagcata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3386
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3386
gccttgccag cccgctcagg tgtagcagtg tctaccttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gtgtagcagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3387
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3387
gccttgccag cccgctcagg tgtagcagta cagtgcttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtgtagcagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3388
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3388
gccttgccag cccgctcagg tgtagcagga tcatccttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtgtagcagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3389
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3389
gccttgccag cccgctcagg tgtagcatat tggcgcttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtgtagcata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3390
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3390
gccttgccag cccgctcagg tgtagcaagg cttgacttct ctgtaggtcc agtgattgct 60

gggatcaccc aggcaccaac atctcagatc ctggcagcag gacggcgcat gacactgaga 120

tgtacccagg atatgagaca taatgccatg tactggtata gacaagatct aggactgggg 180

ctaaggctca tccattattc aaatactgca ggtaccactg gcaaaggaga agtccctgat 240

ggttatagtg tctccagagc aaacacagat gatttccccc tcacgttggc gtctgctgta 300

ccctctcaga catctgtgta cttctgtgcc agcagtgagt gtagcaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtgtagcaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3391
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3391
gccttgccag cccgctcagt ggcagttgac actctcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tggcagttga cactctctga 480

tggcgcgagg gaggc 495

<210> 3392
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3392
gccttgccag cccgctcagt ggcagttttc ggaaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tggcagtttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3393
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3393
gccttgccag cccgctcagt ggcagttaag taacgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tggcagttaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3394
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3394
gccttgccag cccgctcagt ggcagttgtc tcctacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tggcagttgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3395
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3395
gccttgccag cccgctcagt ggcagttaga gtgtccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tggcagttag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3396
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3396
gccttgccag cccgctcagt ggcagttgtt ccgaacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tggcagttgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3397
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3397
gccttgccag cccgctcagt ggcagttcgt tacttcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tggcagttcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3398
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3398
gccttgccag cccgctcagt ggcagtttag gagaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagtttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tggcagttta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3399
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3399
gccttgccag cccgctcagt ggcagttgtg tctaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tggcagttgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3400
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3400
gccttgccag cccgctcagt ggcagttgta cagtgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tggcagttgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3401
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3401
gccttgccag cccgctcagt ggcagttgga tcatccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tggcagttgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3402
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3402
gccttgccag cccgctcagt ggcagtttat tggcgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagtttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tggcagttta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3403
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3403
gccttgccag cccgctcagt ggcagttagg cttgacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccaggtc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tgaatacatg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggctga ttcattactc agttggtgct ggtatcactg accaaggaga agtccccaat 240

ggctacaatg tctccagatc aaccacagag gatttcccgc tcaggctgct gtcggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgatg gcagttaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tggcagttag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3404
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3404
gccttgccag cccgctcagc agtccaagac actctcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cagtccaaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3405
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3405
gccttgccag cccgctcagc agtccaattc ggaaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cagtccaatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3406
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3406
gccttgccag cccgctcagc agtccaaaag taacgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cagtccaaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3407
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3407
gccttgccag cccgctcagc agtccaagtc tcctacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cagtccaagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3408

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3408
gccttgccag cccgctcagc agtccaaaga gtgtccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cagtccaaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3409
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3409
gccttgccag cccgctcagc agtccaagtt ccgaacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cagtccaagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3410
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3410
gccttgccag cccgctcagc agtccaacgt tacttcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agtccaacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3411
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3411
gccttgccag cccgctcagc agtccaatag gagaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cagtccaata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3412
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3412
gccttgccag cccgctcagc agtccaagtg tctaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc cagtccaagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3413
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3413
gccttgccag cccgctcagc agtccaagta cagtgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cagtccaagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3414
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3414
gccttgccag cccgctcagc agtccaagga tcatccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cagtccaagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3415
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3415
gccttgccag cccgctcagc agtccaatat tggcgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cagtccaata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3416
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3416
gccttgccag cccgctcagc agtccaaagg cttgacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccgcatc ctgaagatag gacagagcat gacactgcag 120

tgtacccagg atatgaacca taactacatg tactggtatc gacaagaccc aggcatgggg 180

ctgaagctga tttattattc agttggtgct ggtatcactg ataaaggaga agtcccgaat 240

ggctacaacg tctccagatc aaccacagag gatttcccgc tcaggctgga gttggctgct 300

ccctcccaga catctgtgta cttctgtgcc agcagtgaca gtccaaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cagtccaaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3417
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3417
gccttgccag cccgctcagt acgtacggac actctcttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tacgtacgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3418
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3418
gccttgccag cccgctcagt acgtacgttc ggaaccttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tacgtacgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3419
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3419
gccttgccag cccgctcagt acgtacgaag taacgcttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tacgtacgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3420
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3420
gccttgccag cccgctcagt acgtacggtc tcctacttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tacgtacggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3421
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3421
gccttgccag cccgctcagt acgtacgaga gtgtccttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tacgtacgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3422
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3422
gccttgccag cccgctcagt acgtacggtt ccgaacttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tacgtacggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3423
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3423
gccttgccag cccgctcagt acgtacgcgt tacttcttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tacgtacgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3424
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3424
gccttgccag cccgctcagt acgtacgtag gagaccttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tacgtacgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3425
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3425
gccttgccag cccgctcagt acgtacggtg tctaccttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tacgtacggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3426
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3426
gccttgccag cccgctcagt acgtacggta cagtgcttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tacgtacggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3427
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3427
gccttgccag cccgctcagt acgtacggga tcatccttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tacgtacggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3428
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3428
gccttgccag cccgctcagt acgtacgtat tggcgcttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tacgtacgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3429
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3429
gccttgccag cccgctcagt acgtacgagg cttgacttcc ctgcaggtcc aatgaatgct 60

ggtgtcactc agaccccaaa attccacgtc ctgaagacag gacagagcat gactctgctg 120

tgtgcccagg atatgaacca tgaatacatg tatcggtatc gacaagaccc aggcaagggg 180

ctgaggctga tttactactc agttgctgct gctctcactg acaaaggaga agttcccaat 240

ggctacaatg tctccagatc aaacacagag gatttccccc tcaagctgga gtcagctgct 300

ccctctcaga cttctgttta cttctgtgcc agcagtgata cgtacgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tacgtacgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3430
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3430
gccttgccag cccgctcaga gtaccgagac actctgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag agtaccgaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3431

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3431
gccttgccag cccgctcaga gtaccgattc ggaacgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat agtaccgatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3432
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3432
gccttgccag cccgctcaga gtaccgaaag taacggttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag agtaccgaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3433
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3433
gccttgccag cccgctcaga gtaccgagtc tcctagttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag agtaccgagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3434
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3434
gccttgccag cccgctcaga gtaccgaaga gtgtcgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct agtaccgaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3435
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3435
gccttgccag cccgctcaga gtaccgagtt ccgaagttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat agtaccgagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3436
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3436
gccttgccag cccgctcaga gtaccgacgt tacttgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agtaccgacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3437
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3437
gccttgccag cccgctcaga gtaccgatag gagacgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg agtaccgata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3438
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3438
gccttgccag cccgctcaga gtaccgagtg tctacgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc agtaccgagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3439
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3439
gccttgccag cccgctcaga gtaccgagta cagtggttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg agtaccgagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3440
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3440
gccttgccag cccgctcaga gtaccgagga tcatcgttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg agtaccgagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3441
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3441
gccttgccag cccgctcaga gtaccgatat tggcggttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg agtaccgata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3442
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3442
gccttgccag cccgctcaga gtaccgaagg cttgagttct tctctgcagg tcccgtgaat 60

gctggtgtca ctcagacccc aaaattccac atcctgaaga caggacagag catgacactg 120

cagtgtgccc aggatatgaa ccatggatac atgtcctggt atcgacaaga cccaggcatg 180

gggctgagac tgatttacta ctcagctgct gctggtacta ctgacaaaga agtccccaat 240

ggctacaatg tctctagatt aaacacagag gatttcccac tcaggctggt gtcggctgct 300

ccctcccaga catctgtgta cttgtgtgcc agcagtgaag taccgaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg agtaccgaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3443
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3443
gccttgccag cccgctcaga tccatgggac actctcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatgggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag atccatggga cactctctga 480

tggcgcgagg gaggc 495

<210> 3444
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3444
gccttgccag cccgctcaga tccatggttc ggaaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat atccatggtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3445
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3445
gccttgccag cccgctcaga tccatggaag taacgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag atccatggaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3446
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3446
gccttgccag cccgctcaga tccatgggtc tcctacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatgggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag atccatgggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3447
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3447
gccttgccag cccgctcaga tccatggaga gtgtccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct atccatggag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3448
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3448
gccttgccag cccgctcaga tccatgggtt ccgaacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatgggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat atccatgggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3449
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3449
gccttgccag cccgctcaga tccatggcgt tacttcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc atccatggcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3450
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3450
gccttgccag cccgctcaga tccatggtag gagaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg atccatggta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3451
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3451
gccttgccag cccgctcaga tccatgggtg tctaccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatgggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc atccatgggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3452
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3452
gccttgccag cccgctcaga tccatgggta cagtgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatgggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg atccatgggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3453
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3453
gccttgccag cccgctcaga tccatgggga tcatccttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg atccatgggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3454

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3454
gccttgccag cccgctcaga tccatggtat tggcgcttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg atccatggta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3455
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3455
gccttgccag cccgctcaga tccatggagg cttgacttct ctgcaggtcc agtgaatgct 60

ggtgtcactc agaccccaaa attccacatc ctgaagacag gacagagcat gacactgcag 120

tgtgcccagg atatgaacca tggatacttg tcctggtatc gacaagaccc aggcatgggg 180

ctgaggcgca ttcattactc agttgctgct ggtatcactg acaaaggaga agtccccgat 240

ggctacaatg tatccagatc aaacacagag gatttcccgc tcaggctgga gtcagctgct 300

ccctcccaga catctgtata cttctgtgcc agcagtgaat ccatggaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg atccatggag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3456
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3456
gccttgccag cccgctcagg tagcagtgac actctctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgcccтttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtagcagtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3457
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3457
gccttgccag cccgctcagg tagcagtttc ggaacctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgcccтttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtagcagttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3458
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3458
gccttgccag cccgctcagg tagcagtaag taacgctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgcccтttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtagcagtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3459
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3459
gccttgccag cccgctcagg tagcagtgtc tcctactcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgcccтttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtagcagtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3460
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3460
gccttgccag cccgctcagg tagcagtaga gtgtcctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgcccтttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtagcagtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3461
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3461
gccttgccag cccgctcagg tagcagtgtt ccgaactcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtagcagtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3462
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3462
gccttgccag cccgctcagg tagcagtcgt tacttctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtagcagtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3463
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3463
gccttgccag cccgctcagg tagcagttag gagacctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtagcagtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3464
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3464
gccttgccag cccgctcagg tagcagtgtg tctacctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc gtagcagtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3465
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3465
gccttgccag cccgctcagg tagcagtgta cagtgctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtagcagtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3466
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3466
gccttgccag cccgctcagg tagcagtgga tcatcctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtagcagtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3467
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3467
gccttgccag cccgctcagg tagcagttat tggcgctcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtagcagtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3468
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3468
gccttgccag cccgctcagg tagcagtagg cttgactcca cagatcacac aggtgctgga 60

gtctcccagt ccctgagaca caaggtagca aagaagggaa aggatgtagc tctcagatat 120

gatccaattt caggtcataa tgccctttat tggtaccgac agagcctggg gcagggcctg 180

gagtttccaa tttacttcca aggcaaggat gcagcagaca aatcggggct tccccgtgat 240

cggttctctg cacagaggtc tgagggatcc atctccactc tgaagttcca gcgcacacag 300

caggggact tggctgtgta tctctgtgcc agcagtgagt agcagtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtagcagtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3469
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3469
gccttgccag cccgctcaga tcttcgtgac actctctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag atcttcgtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3470
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3470
gccttgccag cccgctcaga tcttcgtttc ggaacctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat atcttcgttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3471
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3471
gccttgccag cccgctcaga tcttcgtaag taacgctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag atcttcgtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3472
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3472
gccttgccag cccgctcaga tcttcgtgtc tcctactcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag atcttcgtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3473
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3473
gccttgccag cccgctcaga tcttcgtaga gtgtcctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct atcttcgtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3474
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3474
gccttgccag cccgctcaga tcttcgtgtt ccgaactcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat atcttcgtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3475
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3475
gccttgccag cccgctcaga tcttcgtcgt tacttctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aagggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc atcttcgtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3476
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3476
gccttgccag cccgctcaga tcttcgttag gagacctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg atcttcgtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3477

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3477
gccttgccag cccgctcaga tcttcgtgtg tctacctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc atcttcgtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3478
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3478
gccttgccag cccgctcaga tcttcgtgta cagtgctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg atcttcgtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3479
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3479
gccttgccag cccgctcaga tcttcgtgga tcatcctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg atcttcgtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3480
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3480
gccttgccag cccgctcaga tcttcgttat tggcgctcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg atcttcgtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3481
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3481
gccttgccag cccgctcaga tcttcgtagg cttgactcca cagatcacac aggagctgga 60

gtctcccagt cccccagtaa caaggtcaca gagaagggaa aggatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac agagcctggg gcagggcctg 180

gagtttttaa tttacttcca aggcaacagt gcaccagaca aatcagggct gcccagtgat 240

cgcttctctg cagagaggac tgggggatcc gtctccactc tgacgatcca gcgcacacag 300

caggaggact cggccgtgta tctctgtgcc agcagtgaat cttcgtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg atcttcgtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3482
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3482
gccttgccag cccgctcagt ccacagtgac actctctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgcccтttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tccacagtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3483
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3483
gccttgccag cccgctcagt ccacagtttc ggaacctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgcccтttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tccacagttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3484
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3484
gccttgccag cccgctcagt ccacagtaag taacgctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tccacagtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3485
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3485
gccttgccag cccgctcagt ccacagtgtc tcctactccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tccacagtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3486
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3486
gccttgccag cccgctcagt ccacagtaga gtgtcctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tccacagtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3487
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3487
gccttgccag cccgctcagt ccacagtgtt ccgaactccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tccacagtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3488
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3488
gccttgccag cccgctcagt ccacagtcgt tacttctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggact cagccgtgta tctctgtgcc agcagtgatc cacagtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tccacagtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3489
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3489
gccttgccag cccgctcagt ccacagttag gagacctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggact cagccgtgta tctctgtgcc agcagtgatc cacagttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tccacagtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3490
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3490
gccttgccag cccgctcagt ccacagtgtg tctacctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggact cagccgtgta tctctgtgcc agcagtgatc cacagtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc tccacagtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3491
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3491
gccttgccag cccgctcagt ccacagtgta cagtgctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggact cagccgtgta tctctgtgcc agcagtgatc cacagtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tccacagtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3492
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3492
gccttgccag cccgctcagt ccacagtgga tcatcctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggact cagccgtgta tctctgtgcc agcagtgatc cacagtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tccacagtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3493
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3493
gccttgccag cccgctcagt ccacagttat tggcgctccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tccacagtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3494
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3494
gccttgccag cccgctcagt ccacagtagg cttgactccg cagatcacac aggtgctgga 60

gtctcccaga cccccagtaa caaggtcaca gagaagggaa aatatgtaga gctcaggtgt 120

gatccaattt caggtcatac tgccctttac tggtaccgac aaagcctggg gcagggccca 180

gagtttctaa tttacttcca aggcacgggt gcggcagatg actcagggct gcccaacgat 240

cggttctttg cagtcaggcc tgagggatcc gtctctactc tgaagatcca gcgcacagag 300

cgggggggact cagccgtgta tctctgtgcc agcagtgatc cacagtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tccacagtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3495
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3495
gccttgccag cccgctcaga tgacaccgac actctttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag atgacaccga cactctctga 480

tggcgcgagg gaggc 495

<210> 3496
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3496
gccttgccag cccgctcaga tgacaccttc ggaacttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat atgacacctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3497
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3497
gccttgccag cccgctcaga tgacaccaag taacgttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag atgacaccaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3498
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3498
gccttgccag cccgctcaga tgacaccgtc tcctattcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag atgacaccgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3499
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3499
gccttgccag cccgctcaga tgacaccaga gtgtcttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct atgacaccag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3500

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3500
gccttgccag cccgctcaga tgacaccgtt ccgaattcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat atgacaccgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3501
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3501
gccttgccag cccgctcaga tgacacccgt tacttttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacacccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc atgacacccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3502
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3502
gccttgccag cccgctcaga tgacacctag gagacttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggggact cagctgtgta tctctgtgcc agcagtgaat gacacctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg atgacaccta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3503
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3503
gccttgccag cccgctcaga tgacaccgtg tctacttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggggact cagctgtgta tctctgtgcc agcagtgaat gacaccgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc atgacaccgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3504
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3504
gccttgccag cccgctcaga tgacaccgta cagtgttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg atgacaccgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3505
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3505
gccttgccag cccgctcaga tgacaccgga tcatcttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg atgacaccgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3506
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3506
gccttgccag cccgctcaga tgacacctat tggcgttcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacacctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg atgacaccta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3507
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3507
gccttgccag cccgctcaga tgacaccagg cttgattcca cagatcacac aggtgctgga 60

gtctcccagt ccccaaggta caaagtcgca aagaggggac gggatgtagc tctcaggtgt 120

gattcaattt cgggtcatgt aacccтttat tggtaccgac agaccctggg gcagggctca 180

gaggttctga cttactccca gagtgatgct caacgagaca aatcagggcg gcccagtggt 240

cggttctctg cagagaggcc tgagagatcc gtctccactc tgaagatcca gcgcacagag 300

caggggact cagctgtgta tctctgtgcc agcagtgaat gacaccaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg atgacaccag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3508
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3508
gccttgccag cccgctcagc ttcacgagac actcttttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cttcacgaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3509
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3509
gccttgccag cccgctcagc ttcacgattc ggaactttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cttcacgatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3510
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3510
gccttgccag cccgctcagc ttcacgaaag taacgtttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cttcacgaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3511
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3511
gccttgccag cccgctcagc ttcacgagtc tcctatttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cttcacgagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3512
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3512
gccttgccag cccgctcagc ttcacgaaga gtgtctttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cttcacgaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3513
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3513
gccttgccag cccgctcagc ttcacgagtt ccgaatttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cttcacgagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3514
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3514
gccttgccag cccgctcagc ttcacgacgt tacttttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cttcacgacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3515
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3515
gccttgccag cccgctcagc ttcacgatag gagactttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cttcacgata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3516
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3516
gccttgccag cccgctcagc ttcacgagtg tctactttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc cttcacgagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3517
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3517
gccttgccag cccgctcagc ttcacgagta cagtgtttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cttcacgagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3518
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3518
gccttgccag cccgctcagc ttcacgagga tcatctttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cttcacgagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3519
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3519
gccttgccag cccgctcagc ttcacgatat tggcgtttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cttcacgata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3520
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3520
gccttgccag cccgctcagc ttcacgaagg cttgatttcc acagatcaca caggtgctgg 60

agtctcccag tccccaaggt acgaagtcac acagagggga caggatgtag ctcccaggtg 120

tgatccaatt tcgggtcagg taacccttta ttggtaccga cagaccctgg ggcagggcca 180

agagtttctg acttccttcc aggatgaaac tcaacaagat aaatcagggc tgctcagtga 240

tcaattctcc acagagaggt ctgaggatct ttctccacct gaagatccag cgcacagagc 300

aagggcgact cggctgtgta tctctgtgcc agaagtgact tcacgaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cttcacgaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3521
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3521
gccttgccag cccgctcaga gctagtggac actctttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag agctagtgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3522
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3522
gccttgccag cccgctcaga gctagtgttc ggaacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat agctagtgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3523

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3523
gccttgccag cccgctcaga gctagtgaag taacgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag agctagtgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3524
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3524
gccttgccag cccgctcaga gctagtggtc tcctattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag agctagtggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3525
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3525
gccttgccag cccgctcaga gctagtgaga gtgtcttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct agctagtgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3526
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3526
gccttgccag cccgctcaga gctagtggtt ccgaattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat agctagtggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3527
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3527
gccttgccag cccgctcaga gctagtgcgt actttccca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agctagtgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3528
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3528
gccttgccag cccgctcaga gctagtgtag gagacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg agctagtgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3529
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3529
gccttgccag cccgctcaga gctagtggtg tctacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc agctagtggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3530
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3530
gccttgccag cccgctcaga gctagtggta cagtgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg agctagtggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3531
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3531
gccttgccag cccgctcaga gctagtggga tcatcttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg agctagtggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3532
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3532
gccttgccag cccgctcaga gctagtgtat tggcgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg agctagtgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3533
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3533
gccttgccag cccgctcaga gctagtgagg cttgattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttat tggtaccgac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagcc caacaagaca aatcagggct gcccaatgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgatcca gcgcacagag 300

cagcgggact cggccatgta tcgctgtgcc agcagtgaag ctagtgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg agctagtgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3534
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3534
gccttgccag cccgctcagt aaccaaggac actctttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccttttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaaggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag taaccaagga cactctctga 480

tggcgcgagg gaggc 495

<210> 3535
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3535
gccttgccag cccgctcagt aaccaagttc ggaacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccttttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat taaccaagtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3536
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3536
gccttgccag cccgctcagt aaccaagaag taacgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccttttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag taaccaagaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3537
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3537
gccttgccag cccgctcagt aaccaaggtc tcctattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaaggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag taaccaaggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3538
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3538
gccttgccag cccgctcagt aaccaagaga gtgtcttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct taaccaagag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3539
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3539
gccttgccag cccgctcagt aaccaaggtt ccgaattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaaggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat taaccaaggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3540
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3540
gccttgccag cccgctcagt aaccaagcgt tacttttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc taaccaagcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3541
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3541
gccttgccag cccgctcagt aaccaagtag gagacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg taaccaagta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3542
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3542
gccttgccag cccgctcagt aaccaaggtg tctacttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaaggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc taaccaaggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3543
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3543
gccttgccag cccgctcagt aaccaaggta cagtgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaaggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg taaccaaggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3544
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3544
gccttgccag cccgctcagt aaccaaggga tcatcttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg taaccaaggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3545
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3545
gccttgccag cccgctcagt aaccaagtat tggcgttcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg taaccaagta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3546

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3546
gccttgccag cccgctcagt aaccaagagg cttgattcca cagatcacac aggtgctgga 60

gtctcccagt ctcccaggta caaagtcaca aagaggggac aggatgtaac tctcaggtgt 120

gatccaattt cgagtcatgc aacccтttat tggtatcaac aggccctggg gcagggccca 180

gagtttctga cttacttcaa ttatgaagct caaccagaca aatcagggct gcccagtgat 240

cggttctctg cagagaggcc tgagggatcc atctccactc tgacgattca gcgcacagag 300

cagcgggact cagccatgta tcgctgtgcc agcagtgata accaagaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg taaccaagag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3547
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3547
gccttgccag cccgctcagc aagaggtgac actctttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttтt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atттttcagg 420

ttcттttgca gatccgtcac agggaaaagt gggtccacag caagaggtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3548
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3548
gccttgccag cccgctcagc aagaggtttc ggaacttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat caagaggttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3549
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3549
gccttgccag cccgctcagc aagaggtaag taacgttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag caagaggtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3550
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3550
gccttgccag cccgctcagc aagaggtgtc tcctattcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag caagaggtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3551
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3551
gccttgccag cccgctcagc aagaggtaga gtgtcttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct caagaggtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3552
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3552
gccttgccag cccgctcagc aagaggtgtt ccgaattcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat caagaggtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3553
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3553
gccttgccag cccgctcagc aagaggtcgt tacttttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc caagaggtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3554
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3554
gccttgccag cccgctcagc aagaggttag gagacttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg caagaggtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3555
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3555
gccttgccag cccgctcagc aagaggtgtg tctacttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc caagaggtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3556
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3556
gccttgccag cccgctcagc aagaggtgta cagtgttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg caagaggtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3557
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3557
gccttgccag cccgctcagc aagaggtgga tcatcttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg caagaggtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3558
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3558
gccttgccag cccgctcagc aagaggttat tggcgttcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg caagaggtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3559
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3559
gccttgccag cccgctcagc aagaggtagg cttgattcca cagatcacac aggtgctgga 60

gtctcccagt cccctaggta caaagtcgca aagagaggac aggatgtagc tctcaggtgt 120

gatccaattt cgggtcatgt atccctttt tggtaccaac aggccctggg gcaggggcca 180

gagtttctga cttatttcca gaatgaagct caactagaca aatcggggct gcccagtgat 240

cgcttctttg cagaaaggcc tgagggatcc gtctccactc tgaagatcca gcgcacacag 300

caggaggact ccgccgtgta tctctgtgcc agcagtgaca agaggtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg caagaggtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3560
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3560
gccttgccag cccgctcaga gaatcaggac actctctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcaggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag agaatcagga cactctctga 480

tggcgcgagg gaggc 495

<210> 3561
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3561
gccttgccag cccgctcaga gaatcagttc ggaacctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcagttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat agaatcagtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3562
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3562
gccttgccag cccgctcaga gaatcagaag taacgctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcagaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag agaatcagaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3563
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3563
gccttgccag cccgctcaga gaatcaggtc tcctactcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcaggtct cctagtcgac 360

aatgaaaaac tgtttttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag agaatcaggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3564
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3564
gccttgccag cccgctcaga gaatcagaga gtgtcctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcagagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct agaatcagag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3565
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3565
gccttgccag cccgctcaga gaatcaggtt ccgaactcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcaggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat agaatcaggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3566
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3566
gccttgccag cccgctcaga gaatcagcgt tacttctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcagcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agaatcagcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3567
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3567
gccttgccag cccgctcaga gaatcagtag gagacctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcagtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg agaatcagta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3568
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3568
gccttgccag cccgctcaga gaatcaggtg tctacctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggact cggccatgta tctctgtgcc agcagtgaag aatcaggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc agaatcaggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3569

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3569
gccttgccag cccgctcaga gaatcaggta cagtgctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcaggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg agaatcaggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3570
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3570
gccttgccag cccgctcaga gaatcaggga tcatcctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcagggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg agaatcaggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3571
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3571
gccttgccag cccgctcaga gaatcagtat tggcgctcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcagtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg agaatcagta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3572
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3572
gccttgccag cccgctcaga gaatcagagg cttgactcca cagatcacgc agatactgga 60

gtctcccaga accccagaca caagatcaca aagaggggac agaatgtaac tttcaggtgt 120

gatccaattt ctgaacacaa ccgcctttat tggtaccgac agaccctggg gcagggccca 180

gagtttctga cttacttcca gaatgaagct caactagaaa aatcaaggct gctcagtgat 240

cggttctctg cagagaggcc taagggatct ttctccacct tggagatcca gcgcacagag 300

caggggggact cggccatgta tctctgtgcc agcagtgaag aatcagaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg agaatcagag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3573
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3573
gccttgccag cccgctcaga gttgaccgac actctctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag agttgaccga cactctctga 480

tggcgcgagg gaggc 495

<210> 3574
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3574
gccttgccag cccgctcaga gttgaccttc ggaacctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat agttgacctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3575
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3575
gccttgccag cccgctcaga gttgaccaag taacgctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag agttgaccaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3576
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3576
gccttgccag cccgctcaga gttgaccgtc tcctactgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag agttgaccgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3577
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3577
gccttgccag cccgctcaga gttgaccaga gtgtcctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct agttgaccag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3578
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3578
gccttgccag cccgctcaga gttgaccgtt ccgaactgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat agttgaccgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3579
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3579
gccttgccag cccgctcaga gttgacccgt tacttctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgacccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agttgacccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3580
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3580
gccttgccag cccgctcaga gttgacctag gagacctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgacctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg agttgaccta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3581
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3581
gccttgccag cccgctcaga gttgaccgtg tctacctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc agttgaccgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3582
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3582
gccttgccag cccgctcaga gttgaccgta cagtgctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg agttgaccgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3583
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3583
gccttgccag cccgctcaga gttgaccgga tcatcctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg agttgaccgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3584
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3584
gccttgccag cccgctcaga gttgacctat tggcgctgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgacctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg agttgaccta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3585
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3585
gccttgccag cccgctcaga gttgaccagg cttgactgcc tgcctctccc acagccccca 60

tggaggcagg gatcagccag ataccaagat atcacagaca cacagggaaa aagatcatcc 120

tgaaatttgc tcagattagg aaccattatt cagtgttctg ttatcaataa gaccaagaat 180

aggggctgag gctgatccat tattcaggta gtattggcag catgaccaaa ggcggtgcca 240

aggaagggta caatgtctct ggaaacaaac tcaagcattt tccctcaacc ctggagtcta 300

ctagcaccag ccagacctct gtacctctgt ggcagtgaag ttgaccaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg agttgaccag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3586
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3586
gccttgccag cccgctcagc gtacgtagac actctttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cgtacgtaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3587
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3587
gccttgccag cccgctcagc gtacgtattc ggaacttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cgtacgtatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3588
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3588
gccttgccag cccgctcagc gtacgtaaag taacgttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cgtacgtaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3589
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3589
gccttgccag cccgctcagc gtacgtagtc tcctattcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cgtacgtagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3590
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3590
gccttgccag cccgctcagc gtacgtaaga gtgtcttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cgtacgtaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3591
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3591
gccttgccag cccgctcagc gtacgtagtt ccgaattcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cgtacgtagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3592

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3592
gccttgccag cccgctcagc gtacgtacgt tacttttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cgtacgtacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3593
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3593
gccttgccag cccgctcagc gtacgtatag gagacttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cgtacgtata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3594
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3594
gccttgccag cccgctcagc gtacgtagtg tctacttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc cgtacgtagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3595
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3595
gccttgccag cccgctcagc gtacgtagta cagtgttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cgtacgtagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3596
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3596
gccttgccag cccgctcagc gtacgtagga tcatcttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cgtacgtagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3597
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3597
gccttgccag cccgctcagc gtacgtatat tggcgttcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cgtacgtata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3598
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3598
gccttgccag cccgctcagc gtacgtaagg cttgattcac tttctgtctg cctctccagc 60

aggctctatt gatgctggga tcacccagat gccaagatat cacattgtac agaagaaaga 120

gatgatcctg gaatgtgctc aggttaggaa cagtgttctg atatcgacag gacccaagac 180

gggggctgaa gcttatccac tattcaggca gtggtcacag caggaccaaa gttgatgtca 240

cagaggggta ctgtgtttct tgaaacaagc ttgagcattt ccccaatcct ggcatccacc 300

agcaccagcc agacctatct gtaccactgt ggcagtgacg tacgtaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cgtacgtaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3599
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3599
gccttgccag cccgctcagt cggtactgac actcttctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tcggtactga cactctctga 480

tggcgcgagg gaggc 495

<210> 3600
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3600
gccttgccag cccgctcagt cggtactttc ggaactctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tcggtacttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3601
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3601
gccttgccag cccgctcagt cggtactaag taacgtctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tcggtactaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3602
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3602
gccttgccag cccgctcagt cggtactgtc tcctatctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tcggtactgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3603
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3603
gccttgccag cccgctcagt cggtactaga gtgtctctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tcggtactag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3604
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3604
gccttgccag cccgctcagt cggtactgtt ccgaatctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tcggtactgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3605
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3605
gccttgccag cccgctcagt cggtactcgt tactttctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tcggtactcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3606
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3606
gccttgccag cccgctcagt cggtacttag gagactctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtacttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tcggtactta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3607
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3607
gccttgccag cccgctcagt cggtactgtg tctactctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tcggtactgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3608
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3608
gccttgccag cccgctcagt cggtactgta cagtgtctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tcggtactgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3609
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3609
gccttgccag cccgctcagt cggtactgga tcatctctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tcggtactgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3610
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3610
gccttgccag cccgctcagt cggtacttat tggcgtctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtacttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tcggtactta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3611
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3611
gccttgccag cccgctcagt cggtactagg cttgatctga cacacaggcc cagtggattc 60

tggagtcaca caaaccccaa agcacctgat cacagcaact ggacagcgag tgacgctgag 120

atgctcccct aggtctggag acctctctgt gtactggtac caacagagcc tggaccaggg 180

cctccagttc ctcattcagt attataatgg agaagagaga gcaaaaggaa acattcttga 240

acgattctcc gcacaacagt tccctgactt gcactctgaa ctaaacctga gctctctgga 300

gctgggggac tcagctttgt atttctgtgc cagcatgatc ggtactaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tcggtactag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3612
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3612
gccttgccag cccgctcagc catggatgac actctctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ccatggatga cactctctga 480

tggcgcgagg gaggc 495

<210> 3613
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3613
gccttgccag cccgctcagc catggatttc ggaacctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ccatggattt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3614
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3614
gccttgccag cccgctcagc catggataag taacgctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggataagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ccatggataa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3615

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3615
gccttgccag cccgctcagc catggatgtc tcctactcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ccatggatgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3616
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3616
gccttgccag cccgctcagc catggataga gtgtcctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ccatggatag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3617
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3617
gccttgccag cccgctcagc catggatgtt ccgaactcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ccatggatgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3618
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3618
gccttgccag cccgctcagc catggatcgt tacttctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ccatggatcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3619
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3619
gccttgccag cccgctcagc catggattag gagacctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggattagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ccatggatta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3620
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3620
gccttgccag cccgctcagc catggatgtg tctacctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc ccatggatgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3621
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3621
gccttgccag cccgctcagc catggatgta cagtgctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ccatggatgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3622
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3622
gccttgccag cccgctcagc catggatgga tcatcctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggatggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ccatggatgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3623
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3623
gccttgccag cccgctcagc catggattat tggcgctcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggattatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ccatggatta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3624
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3624
gccttgccag cccgctcagc catggatagg cttgactcta ttacaggaca cagggatgct 60

gaaatcaccc agagcccaag acacaagatc acagagacag gaaggcaggt gaccttggcg 120

tgtcaccaga cttggaacca caacaatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tccattactc atatggtgtt caagacacta acaaaggaga agtctcagat 240

ggctacagtg tctctagatc aaacacagag gacctccccc tcactctgga gtctgctgcc 300

tcctcccaga catctgtata tttctgcgcc agcagtgacc atggataggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ccatggatag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3625
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3625
gccttgccag cccgctcaga ctgctacgac actctctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag actgctacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3626
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3626
gccttgccag cccgctcaga ctgctacttc ggaacctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat actgctactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3627
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3627
gccttgccag cccgctcaga ctgctacaag taacgctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag actgctacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3628
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3628
gccttgccag cccgctcaga ctgctacgtc tcctactcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag actgctacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3629
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3629
gccttgccag cccgctcaga ctgctacaga gtgtcctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct actgctacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3630
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3630
gccttgccag cccgctcaga ctgctacgtt ccgaactcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat actgctacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3631
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3631
gccttgccag cccgctcaga ctgctaccgt tacttctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc actgctaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3632
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3632
gccttgccag cccgctcaga ctgctactag gagacctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctactagg agacgtcgac 360

accggggagc tgtttttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg actgctacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3633
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3633
gccttgccag cccgctcaga ctgctacgtg tctacctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc actgctacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3634
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3634
gccttgccag cccgctcaga ctgctacgta cagtgctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg actgctacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3635
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3635
gccttgccag cccgctcaga ctgctacgga tcatcctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg actgctacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3636
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3636
gccttgccag cccgctcaga ctgctactat tggcgctcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg actgctacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3637
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3637
gccttgccag cccgctcaga ctgctacagg cttgactcta ttacaggaca cagggatgct 60

ggaatcaccc agagcccaag atacaagatc acagagacag gaaggcaggt gaccttgatg 120

tgtcaccaga cttggagcca cagctatatg ttctggtatc gacaagacct gggacatggg 180

ctgaggctga tctattactc agcagctgct gatattacag ataaaggaga agtccccgat 240

ggctatgttg tctccagatc caagacagag aatttccccc tcactctgga gtcagctacc 300

cgctcccaga catctgtgta tttctgcgcc agcagtgaac tgctacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg actgctacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3638

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3638
gccttgccag cccgctcaga cgaagatgac actctttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag acgaagatga cactctctga 480

tggcgcgagg gaggc 495

<210> 3639
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3639
gccttgccag cccgctcaga cgaagatttc ggaacttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat acgaagattt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3640
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3640
gccttgccag cccgctcaga cgaagataag taacgttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagataagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag acgaagataa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3641
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3641
gccttgccag cccgctcaga cgaagatgtc tcctattcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag acgaagatgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3642
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3642
gccttgccag cccgctcaga cgaagataga gtgtcttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct acgaagatag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3643
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3643
gccttgccag cccgctcaga cgaagatgtt ccgaattcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat acgaagatgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3644
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3644
gccttgccag cccgctcaga cgaagatcgt tacttttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc acgaagatcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3645
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3645
gccttgccag cccgctcaga cgaagattag gagacttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagattagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg acgaagatta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3646
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3646
gccttgccag cccgctcaga cgaagatgtg tctacttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc acgaagatgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3647
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3647
gccttgccag cccgctcaga cgaagatgta cagtgttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg acgaagatgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3648
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3648
gccttgccag cccgctcaga cgaagatgga tcatcttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagatggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg acgaagatgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3649
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3649
gccttgccag cccgctcaga cgaagattat tggcgttcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagattatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg acgaagatta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3650
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3650
gccttgccag cccgctcaga cgaagatagg cttgattcta ttacaggaca catggatgct 60

ggaatcaccc agagcccaag acacaaggtc acagagacag gaacaccagt gactctgaga 120

tgtcaccaga ctgagaacca ccgctatatg tactggtatc gacaagaccc ggggcatggg 180

ctgaggctga tccattactc atatggtgtt aaagatactg acaaaggaga agtctcagat 240

ggctatagtg tctctagatc aaagacagag gatttcctcc tcactctgga gtccgctacc 300

agctcccaga catctgtgta cttctgtgcc atcagtgaac gaagataggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg acgaagatag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3651
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3651
gccttgccag cccgctcaga ctgtggagac actctcccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc taccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag actgtggaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3652
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3652
gccttgccag cccgctcaga ctgtggattc ggaaccccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccttttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat actgtggatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3653
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3653
gccttgccag cccgctcaga ctgtggaaag taacgcccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccttttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag actgtggaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3654
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3654
gccttgccag cccgctcaga ctgtggagtc tcctacccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc taccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag actgtggagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3655
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3655
gccttgccag cccgctcaga ctgtggaaga gtgtccccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc taccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct actgtggaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3656
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3656
gccttgccag cccgctcaga ctgtggagtt ccgaacccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat actgtggagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3657
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3657
gccttgccag cccgctcaga ctgtggacgt tacttcccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc actgtggacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3658
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3658
gccttgccag cccgctcaga ctgtggatag gagaccccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg actgtggata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3659
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3659
gccttgccag cccgctcaga ctgtggagtg tctaccccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc ttttggtgt 120

gatcctattt ctggccatgc tacccttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc actgtggagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3660
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3660
gccttgccag cccgctcaga ctgtggagta cagtgcccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc ttttggtgt 120

gatcctattt ctggccatgc tacccttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg actgtggagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3661

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3661
gccttgccag cccgctcaga ctgtggagga tcatccccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg actgtggagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3662
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3662
gccttgccag cccgctcaga ctgtggatat tggcgcccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg actgtggata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3663
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3663
gccttgccag cccgctcaga ctgtggaagg cttgacccaa cagaactctc agaagctgaa 60

gttgcccagt cccccagata taagattaca gagaaaagcc aggctgtggc tttttggtgt 120

gatcctattt ctggccatgc tacccctttac tggtaccggc agatcctggg acagggcccg 180

gagcttctgg ttcaatttca ggatgagagt gtagtagatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccatgta tctctgtgcc agcagtgaac tgtggaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg actgtggaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3664
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3664
gccttgccag cccgctcagg gtgtcatgac actctcttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ggtgtcatga cactctctga 480

tggcgcgagg gaggc 495

<210> 3665
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3665
gccttgccag cccgctcagg gtgtcatttc ggaaccttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ggtgtcattt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3666
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3666
gccttgccag cccgctcagg gtgtcataag taacgcttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcataagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ggtgtcataa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3667
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3667
gccttgccag cccgctcagg gtgtcatgtc tcctacttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ggtgtcatgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3668
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3668
gccttgccag cccgctcagg gtgtcataga gtgtccttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ggtgtcatag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3669
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3669
gccttgccag cccgctcagg gtgtcatgtt ccgaacttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ggtgtcatgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3670
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3670
gccttgccag cccgctcagg gtgtcatcgt tacttcttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ggtgtcatcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3671
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3671
gccttgccag cccgctcagg gtgtcattag gagaccttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcattagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ggtgtcatta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3672
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3672
gccttgccag cccgctcagg gtgtcatgtg tctaccttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc ggtgtcatgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3673
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3673
gccttgccag cccgctcagg gtgtcatgta cagtgcttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc taccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ggtgtcatgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3674
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3674
gccttgccag cccgctcagg gtgtcatgga tcatccttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc taccctttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcatggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ggtgtcatgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3675
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3675
gccttgccag cccgctcagg gtgtcattat tggcgcttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcattatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ggtgtcatta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3676
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3676
gccttgccag cccgctcagg gtgtcatagg cttgacttct cagaactcac agaagctgga 60

gttgcccagt ctcccagata taagattata gagaaaaggc agagtgtggc tttttggtgc 120

aatcctatat ctggccatgc tacccтttac tggtaccagc agatcctggg acagggccca 180

aagcttctga ttcagtttca gaataacggt gtagtggatg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcaaag 300

cttgaggact cggccgtgta tctctgtgcc agcagtgagg tgtcataggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ggtgtcatag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3677
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3677
gccttgccag cccgctcagt cgtgaaggac actctcccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaaggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tcgtgaagga cactctctga 480

tggcgcgagg gaggc 495

<210> 3678
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3678
gccttgccag cccgctcagt cgtgaagttc ggaaccccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tcgtgaagtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3679
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3679
gccttgccag cccgctcagt cgtgaagaag taacgcccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccttttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tcgtgaagaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3680
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3680
gccttgccag cccgctcagt cgtgaaggtc tcctacccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccttttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaaggtct cctagtcgac 360

aatgaaaaac tgtttttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tcgtgaaggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3681
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3681
gccttgccag cccgctcagt cgtgaagaga gtgtccccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccttttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tcgtgaagag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3682
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3682
gccttgccag cccgctcagt cgtgaaggtt ccgaacccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaaggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tcgtgaaggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3683
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3683
gccttgccag cccgctcagt cgtgaagcgt tacttcccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tcgtgaagcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3684

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3684
gccttgccag cccgctcagt cgtgaagtag gagaccccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccctttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagtagg agacgtcgac 360

accggggagc tgtttttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tcgtgaagta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3685
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3685
gccttgccag cccgctcagt cgtgaaggtg tctaccccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccctttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaaggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tcgtgaaggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3686
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3686
gccttgccag cccgctcagt cgtgaaggta cagtgcccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaaggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tcgtgaaggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3687
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3687
gccttgccag cccgctcagt cgtgaaggga tcatccccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tcgtgaaggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3688
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3688
gccttgccag cccgctcagt cgtgaagtat tggcgcccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tcgtgaagta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3689
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3689
gccttgccag cccgctcagt cgtgaagagg cttgacccca cagaactcat agaagctgga 60

gtggttcagt ctcccagata taagattata gagaaaaaac agcctgtggc tttttggtgc 120

aatcctattt ctggccacaa tacccтttac tggtacctgc agaacttggg acagggcccg 180

gagcttctga ttcgatatga gaatgaggaa gcagtagacg attcacagtt gcctaaggat 240

cgattttctg cagagaggct caaaggagta gactccactc tcaagatcca gcctgcagag 300

cttggggact cggccgtgta tctctgtgcc agcagtgatc gtgaagaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tcgtgaagag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3690
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3690
gccttgccag cccgctcagc actagctgac actcttttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cactagctga cactctctga 480

tggcgcgagg gaggc 495

<210> 3691
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3691
gccttgccag cccgctcagc actagctttc ggaactttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cactagcttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3692
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3692
gccttgccag cccgctcagc actagctaag taacgtttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cactagctaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3693
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3693
gccttgccag cccgctcagc actagctgtc tcctatttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cactagctgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3694
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3694
gccttgccag cccgctcagc actagctaga gtgtctttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cactagctag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3695
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3695
gccttgccag cccgctcagc actagctgtt ccgaatttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cactagctgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3696
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3696
gccttgccag cccgctcagc actagctcgt tacttttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cactagctcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3697
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3697
gccttgccag cccgctcagc actagcttag gagactttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagcttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cactagctta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3698
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3698
gccttgccag cccgctcagc actagctgtg tctactttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc cactagctgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3699
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3699
gccttgccag cccgctcagc actagctgta cagtgtttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cactagctgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3700
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3700
gccttgccag cccgctcagc actagctgga tcatctttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cactagctgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3701
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3701
gccttgccag cccgctcagc actagcttat tggcgtttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagcttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cactagctta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3702
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3702
gccttgccag cccgctcagc actagctagg cttgatttta tagcacacac agatgctggt 60

gttatccagt cacccaggca caaagtgaca gagatgggac aatcagtaac tctgagatgc 120

gaaccaattt caggccacaa tgatcttctc tggtacagac agacctttgt gcagggactg 180

gaattgctga attacttctg cagctggacc ctcgtagatg actcaggagt gtccaaggat 240

tgattctcag cacagatgcc tgatgtatca ttctccactc tgaggatcca gcccatggaa 300

cccagggact tgggcctata tttctgtgcc agcagtgaca ctagctaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cactagctag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3703
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3703
gccttgccag cccgctcagc ttggttagac actcttttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cttggttaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3704
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3704
gccttgccag cccgctcagc ttggttattc ggaactttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cttggttatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3705
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3705
gccttgccag cccgctcagc ttggttaaag taacgtttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cttggttaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3706
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3706
gccttgccag cccgctcagc ttggttagtc tcctatttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cttggttagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3707

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3707
gccttgccag cccgctcagc ttggttaaga gtgtctttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cttggttaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3708
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3708
gccttgccag cccgctcagc ttggttagtt ccgaatttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cttggttagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3709
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3709
gccttgccag cccgctcagc ttggttacgt tacttttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cttggttacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3710
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3710
gccttgccag cccgctcagc ttggttatag gagactttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttatagg agacgtcgac 360

accggggagc tgttttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cttggttata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3711
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3711
gccttgccag cccgctcagc ttggttagtg tctactttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc cttggttagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3712
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3712
gccttgccag cccgctcagc ttggttagta cagtgtttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cttggttagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3713
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3713
gccttgccag cccgctcagc ttggttagga tcatctttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggact cggccgtgta tgtctgtgca agtcgtgact tggttaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cttggttagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3714
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3714
gccttgccag cccgctcagc ttggttatat tggcgtttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cttggttata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3715
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3715
gccttgccag cccgctcagc ttggttaagg cttgatttta tagcatgcac agatgctggc 60

attatccagt cacccaagca tgaggtgaca gaaatgggac aaacagtgac tctgagatgt 120

gagccaattt ttggccacaa tttccttttc tggtacagag ataccttcgt gcagggactg 180

gaattgctga gttacttccg gagctgatct attatagata atgcaggtat gcccacagag 240

cgattctcag ctgagaggcc tgatggatca ttctctactc tgaagatcca gcctgcagag 300

caggggggact cggccgtgta tgtctgtgca agtcgtgact tggttaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cttggttaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3716
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3716
gccttgccag cccgctcaga cctcttggac actcttttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag acctcttgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3717
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3717
gccttgccag cccgctcaga cctcttgttc ggaactttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat acctcttgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3718
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3718
gccttgccag cccgctcaga cctcttgaag taacgtttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag acctcttgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3719
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3719
gccttgccag cccgctcaga cctcttggtc tcctatttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag acctcttggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3720
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3720
gccttgccag cccgctcaga cctcttgaga gtgtctttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct acctcttgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3721
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3721
gccttgccag cccgctcaga cctcttggtt ccgaatttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat acctcttggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3722
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3722
gccttgccag cccgctcaga cctcttgcgt tacttttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc acctcttgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3723
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3723
gccttgccag cccgctcaga cctcttgtag gagactttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg acctcttgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3724
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3724
gccttgccag cccgctcaga cctcttggtg tctactttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc acctcttggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3725
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3725
gccttgccag cccgctcaga cctcttggta cagtgtttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg acctcttggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3726
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3726
gccttgccag cccgctcaga cctcttggga tcatctttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg acctcttggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3727
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3727
gccttgccag cccgctcaga cctcttgtat tggcgtttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg acctcttgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3728
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3728
gccttgccag cccgctcaga cctcttgagg cttgatttca tagagcatac agatgctgga 60

gttatccagt caccccgcca tgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggccacaa ctccctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgaac ctcttgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg acctcttgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3729
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3729
gccttgccag cccgctcagc tgattctgac actctcttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ctgattctga cactctctga 480

tggcgcgagg gaggc 495

<210> 3730

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3730
gccttgccag cccgctcagc tgattctttc ggaaccttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ctgattcttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3731
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3731
gccttgccag cccgctcagc tgattctaag taacgcttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ctgattctaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3732
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3732
gccttgccag cccgctcagc tgattctgtc tcctacttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ctgattctgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3733
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3733
gccttgccag cccgctcagc tgattctaga gtgtccttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ctgattctag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3734
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3734
gccttgccag cccgctcagc tgattctgtt ccgaacttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ctgattctgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3735
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3735
gccttgccag cccgctcagc tgattctcgt tacttcttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ctgattctcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3736
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3736
gccttgccag cccgctcagc tgattcttag gagaccttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattcttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ctgattctta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3737
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3737
gccttgccag cccgctcagc tgattctgtg tctaccttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc ctgattctgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3738
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3738
gccttgccag cccgctcagc tgattctgta cagtgcttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ctgattctgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3739
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3739
gccttgccag cccgctcagc tgattctgga tcatccttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ctgattctgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3740
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3740
gccttgccag cccgctcagc tgattcttat tggcgcttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattcttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ctgattctta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3741
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3741
gccttgccag cccgctcagc tgattctagg cttgacttca tagagcacac agatgctgga 60

gttatccagt caccccggca cgaggtgaca gagatgggac aagaagtgac tctgagatgt 120

aaaccaattt caggacacga ctacctttc tggtacagac agaccatgat gcggggactg 180

gagttgctca tttactttaa caacaacgtt ccgatagatg attcagggat gcccgaggat 240

cgattctcag ctaagatgcc taatgcatca ttctccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta cttctgtgcc agcagtgact gattctaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ctgattctag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3742
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3742
gccttgccag cccgctcagg gtcaactgac actcttttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ggtcaactga cactctctga 480

tggcgcgagg gaggc 495

<210> 3743
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3743
gccttgccag cccgctcagg gtcaactttc ggaactttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ggtcaacttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3744
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3744
gccttgccag cccgctcagg gtcaactaag taacgtttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ggtcaactaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3745
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3745
gccttgccag cccgctcagg gtcaactgtc tcctatttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ggtcaactgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3746
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3746
gccttgccag cccgctcagg gtcaactaga gtgtctttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ggtcaactag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3747
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3747
gccttgccag cccgctcagg gtcaactgtt ccgaatttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ggtcaactgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3748
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3748
gccttgccag cccgctcagg gtcaactcgt tacttttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ggtcaactcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3749
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3749
gccttgccag cccgctcagg gtcaacttag gagactttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaacttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ggtcaactta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3750
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3750
gccttgccag cccgctcagg gtcaactgtg tctactttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc ggtcaactgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3751
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3751
gccttgccag cccgctcagg gtcaactgta cagtgtttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ggtcaactgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3752
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3752
gccttgccag cccgctcagg gtcaactgga tcatctttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ggtcaactgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3753

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3753
gccttgccag cccgctcagg gtcaacttat tggcgtttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaacttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ggtcaactta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3754
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3754
gccttgccag cccgctcagg gtcaactagg cttgatttca cagagcttat agatgctaga 60

gtcacccaga caccaaggca caaggtgaca gagatgggac aagaagtaac aatgagatgt 120

cagccaattt taggccacaa tactgttttc tggtacagac agaccatgat gcaaggactg 180

gagttgctgg cttacttccg caaccgggct cctctagatg attcggggat gccgaaggat 240

cgattctcag cagagatgcc tgatgcaact ttagccactc tgaagatcca gccctcagaa 300

cccagggact cagctgtgta tttttgtgct agtggtgagg tcaactaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ggtcaactag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3755
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3755
gccttgccag cccgctcagg cataactgac actctttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gcataactga cactctctga 480

tggcgcgagg gaggc 495

<210> 3756
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3756
gccttgccag cccgctcagg cataactttc ggaacttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gcataacttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3757
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3757
gccttgccag cccgctcagg cataactaag taacgttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gcataactaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3758
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3758
gccttgccag cccgctcagg cataactgtc tcctattcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gcataactgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3759
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3759
gccttgccag cccgctcagg cataactaga gtgtcttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gcataactag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3760
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3760
gccttgccag cccgctcagg cataactgtt ccgaattcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gcataactgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3761
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3761
gccttgccag cccgctcagg cataactcgt tacttttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gcataactcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3762
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3762
gccttgccag cccgctcagg cataacttag gagacttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataacttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gcataactta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3763
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3763
gccttgccag cccgctcagg cataactgtg tctacttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc gcataactgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3764
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3764
gccttgccag cccgctcagg cataactgta cagtgttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gcataactgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3765
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3765
gccttgccag cccgctcagg cataactgga tcatcttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gcataactgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3766
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3766
gccttgccag cccgctcagg cataacttat tggcgttcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataacttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gcataactta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3767
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3767
gccttgccag cccgctcagg cataactagg cttgattcct ccacagtttc agtggctgct 60

ggagtcatcc agtccccaag acatctgatc aaagaaaaga gggaaacagc cactctgaaa 120

tgctatccta tccctagaca cgacactgtc tactggtacc agcagggtcc aggtcaggac 180

ccccagttcc tcatttcgtt ttatgaaaag atgcagagcg ataaaggaag catccctgat 240

cgattctcag ctcaacagtt cagtgactat cattctgaac tgaacatgag ctccttggag 300

ctgggggact cagccctgta cttctgtgcc agcagtgagc ataactaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gcataactag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3768
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3768
gccttgccag cccgctcaga tatgctggac actcttccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag atatgctgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3769
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3769
gccttgccag cccgctcaga tatgctgttc ggaactccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat atatgctgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3770
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3770
gccttgccag cccgctcaga tatgctgaag taacgtccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag atatgctgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3771
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3771
gccttgccag cccgctcaga tatgctggtc tcctatccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag atatgctggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3772
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3772
gccttgccag cccgctcaga tatgctgaga gtgtctccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct atatgctgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3773
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3773
gccttgccag cccgctcaga tatgctggtt ccgaatccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat atatgctggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3774
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3774
gccttgccag cccgctcaga tatgctgcgt tactttccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc atatgctgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3775
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3775
gccttgccag cccgctcaga tatgctgtag gagactccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg atatgctgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3776

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3776
gccttgccag cccgctcaga tatgctggtg tctactccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc atatgctggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3777
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3777
gccttgccag cccgctcaga tatgctggta cagtgtccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg atatgctggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3778
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3778
gccttgccag cccgctcaga tatgctggga tcatctccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg atatgctggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3779
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3779
gccttgccag cccgctcaga tatgctgtat tggcgtccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg atatgctgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3780
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3780
gccttgccag cccgctcaga tatgctgagg cttgatccca cagagcacat agaagctgga 60

gttactcagt tccccagcca cagcgtaata gagaagggcc agactgtgac tctgagatgt 120

gacccaattt ctggacatga taatctttat tggtatcgac gtgttatggg aaaagaaata 180

aaatttctgt tacattttgt gaaagagtct aaacaggatg agtccggtat gcccaacaat 240

cgattcttag ctgaaaggac tggagggacg tattctactc tgaaggtgca gcctgcagaa 300

ctggaggatt ctggagttta tttctgtgcc agcagtgaat atgctgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg atatgctgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3781
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3781
gccttgccag cccgctcaga atcctgcgac actcttttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag aatcctgcga cactctctga 480

tggcgcgagg gaggc 495

<210> 3782
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3782
gccttgccag cccgctcaga atcctgcttc ggaactttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat aatcctgctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3783
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3783
gccttgccag cccgctcaga atcctgcaag taacgtttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag aatcctgcaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3784
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3784
gccttgccag cccgctcaga atcctgcgtc tcctatttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag aatcctgcgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3785
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3785
gccttgccag cccgctcaga atcctgcaga gtgtctttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct aatcctgcag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3786
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3786
gccttgccag cccgctcaga atcctgcgtt ccgaatttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat aatcctgcgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3787
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3787
gccttgccag cccgctcaga atcctgccgt tacttttttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc aatcctgccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3788
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3788
gccttgccag cccgctcaga atcctgctag gagactttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg aatcctgcta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3789
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3789
gccttgccag cccgctcaga atcctgcgtg tctactttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc aatcctgcgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3790
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3790
gccttgccag cccgctcaga atcctgcgta cagtgtttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg aatcctgcgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3791
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3791
gccttgccag cccgctcaga atcctgcgga tcatctttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg aatcctgcgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3792
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3792
gccttgccag cccgctcaga atcctgctat tggcgtttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg aatcctgcta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3793
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3793
gccttgccag cccgctcaga atcctgcagg cttgatttct ctacaggtca tggggatgcc 60

atggtcatcc agaacccaag ataccaggtt acccagtttg gaaagccagt gaccctgagt 120

tgttctcaga ctttgaacca taacgtcatg tactggtacc agcagaagtc aagtcaggcc 180

ccaaagctgc tgttccacta ctatgacaaa gattttaaca atgaagcaga cacccctgat 240

aacttccaat ccaggaggcc gaacacttct ttctgctttc ttgacatccg ctcaccaggc 300

ctgggggaca cagccatgta cctgtgtgcc accagtgaaa tcctgcaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg aatcctgcag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3794
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3794
gccttgccag cccgctcagt gagacctgac actctcttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tgagacctga cactctctga 480

tggcgcgagg gaggc 495

<210> 3795
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3795
gccttgccag cccgctcagt gagacctttc ggaaccttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tgagaccttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3796
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3796
gccttgccag cccgctcagt gagacctaag taacgcttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tgagacctaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3797
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3797
gccttgccag cccgctcagt gagacctgtc tcctacttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tgagacctgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3798
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3798
gccttgccag cccgctcagt gagacctaga gtgtccttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tgagacctag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3799

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3799
gccttgccag cccgctcagt gagacctgtt ccgaacttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tgagacctgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3800
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3800
gccttgccag cccgctcagt gagacctcgt tacttcttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tgagacctcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3801
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3801
gccttgccag cccgctcagt gagaccttag gagaccttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agaccttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tgagacctta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3802
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3802
gccttgccag cccgctcagt gagacctgtg tctaccttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tgagacctgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3803
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3803
gccttgccag cccgctcagt gagacctgta cagtgcttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tgagacctgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3804
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3804
gccttgccag cccgctcagt gagacctgga tcatccttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tgagacctgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3805
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3805
gccttgccag cccgctcagt gagaccttat tggcgcttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agaccttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tgagacctta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3806
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3806
gccttgccag cccgctcagt gagacctagg cttgacttta caggttctcc tggtgaagaa 60

gtcgcccaga ctccaaaaca tcttgtcaga ggggaaggac agaaagcaaa attatattgt 120

gccccaataa aaggacacag ttatgttttt tggtaccaac aggtcctgaa aaacgagttc 180

aagttcttga tttccttcca gaatgaaaat gtctttgatg aaacaggtat gcccaaggaa 240

agattttcag ctaagtgcct cccaaattca ccctgtagcc ttgagatcca ggctacgaag 300

cttgaggatt cagcagtgta tttttgtgcc agcagtgatg agacctaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tgagacctag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3807
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3807
gccttgccag cccgctcagg aatggacgac actctttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gaatggacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3808
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3808
gccttgccag cccgctcagg aatggacttc ggaacttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gaatggactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3809
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3809
gccttgccag cccgctcagg aatggacaag taacgttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gaatggacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3810
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3810
gccttgccag cccgctcagg aatggacgtc tcctattctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gaatggacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3811
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3811
gccttgccag cccgctcagg aatggacaga gtgtcttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gaatggacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3812
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3812
gccttgccag cccgctcagg aatggacgtt ccgaattctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gaatggacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3813
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3813
gccttgccag cccgctcagg aatggaccgt tacttttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gaatggaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3814
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3814
gccttgccag cccgctcagg aatggactag gagacttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggactagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gaatggacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3815
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3815
gccttgccag cccgctcagg aatggacgtg tctacttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gaatggacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3816
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3816
gccttgccag cccgctcagg aatggacgta cagtgttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gaatggacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3817
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3817
gccttgccag cccgctcagg aatggacgga tcatcttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gaatggacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3818
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3818
gccttgccag cccgctcagg aatggactat tggcgttctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gaatggacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3819
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3819
gccttgccag cccgctcagg aatggacagg cttgattctt ccacaggaca ctcggagcct 60

ggagtcagcc agacccccag acacaaggtc accaacatgg gacaggaggt gattctgagg 120

tgcgatccat cttctggtca catgtttgtt cactggtacc gacagaatct gaggcaagaa 180

atgaagttgc tgatttcctt ccagtaccaa aacattgcag ttgattcagg gatgcccaag 240

gaacgattca cagctgaaag acctaacgga acgtcttcca cgctgaagat ccatcccgca 300

gagccgaggg actcagccgt gtatctctac agtagtgaga atggacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gaatggacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3820
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3820
gccttgccag cccgctcaga gttatgcgac actctcctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag agttatgcga cactctctga 480

tggcgcgagg gaggc 495

<210> 3821
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3821
gccttgccag cccgctcaga gttatgcttc ggaaccctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat agttatgctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3822

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3822
gccttgccag cccgctcaga gttatgcaag taacgcctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag agttatgcaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3823
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3823
gccttgccag cccgctcaga gttatgcgtc tcctacctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag agttatgcgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3824
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3824
gccttgccag cccgctcaga gttatgcaga gtgtccctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct agttatgcag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3825
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3825
gccttgccag cccgctcaga gttatgcgtt ccgaacctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat agttatgcgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3826
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3826
gccttgccag cccgctcaga gttatgccgt tacttcctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc agttatgccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3827
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3827
gccttgccag cccgctcaga gttatgctag gagaccctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg agttatgcta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3828
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3828
gccttgccag cccgctcaga gttatgcgtg tctaccctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc agttatgcgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3829
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3829
gccttgccag cccgctcaga gttatgcgta cagtgcctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg agttatgcgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3830
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3830
gccttgccag cccgctcaga gttatgcgga tcatccctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg agttatgcgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3831
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3831
gccttgccag cccgctcaga gttatgctat tggcgcctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg agttatgcta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3832
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3832
gccttgccag cccgctcaga gttatgcagg cttgacctct gaggtctctc aaatgccggc 60

gtcatgcaga acccaagaca cctggtcagg aggaggggac aggaggcaag actgagatgc 120

agcccaatga aaggacacag tcatgtttac tggtatcggc agctcccaga ggaaggtctg 180

aaattcatgg tttatctcca gaaagaaaat atcatagatg agtcaggaat gccaaaggaa 240

cgattttctg ctgaatttcc caaagagggc cccagcatcc tgaggatcca gcaggtagtg 300

cgaggagatt cggcagctta tttctgtgcc agctctgaag ttatgcaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg agttatgcag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3833
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3833
gccttgccag cccgctcagc agcatatgac actctttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cagcatatga cactctctga 480

tggcgcgagg gaggc 495

<210> 3834
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3834
gccttgccag cccgctcagc agcatatttc ggaacttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cagcatattt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3835
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3835
gccttgccag cccgctcagc agcatataag taacgttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatataagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cagcatataa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3836
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3836
gccttgccag cccgctcagc agcatatgtc tcctattctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cagcatatgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3837
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3837
gccttgccag cccgctcagc agcatataga gtgtcttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cagcatatag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3838
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3838
gccttgccag cccgctcagc agcatatgtt ccgaattctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cagcatatgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3839
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3839
gccttgccag cccgctcagc agcatatcgt tacttttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cagcatatcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3840
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3840
gccttgccag cccgctcagc agcatattag gagacttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatattagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cagcatatta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3841
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3841
gccttgccag cccgctcagc agcatatgtg tctacttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc cagcatatgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3842
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3842
gccttgccag cccgctcagc agcatatgta cagtgttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cagcatatgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3843
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3843
gccttgccag cccgctcagc agcatatgga tcatcttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatatggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cagcatatgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3844
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3844
gccttgccag cccgctcagc agcatattat tggcgttctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatattatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cagcatatta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3845

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3845
gccttgccag cccgctcagc agcatatagg cttgattctt ttccagacac cgtggatggt 60

ggaatcactc agtccccaaa gtacctgttc agaaaggaag gacagaatgt gaccctgagt 120

tgtgaacaga atttgaacca cgatgccatg tactggtacc gacaggaccc agggcaaggg 180

ctgagattga tctactactc acagatagta aatgactttc agaaaggaga tatagctgaa 240

gggtacagcg tctctcggga gaagaaggaa tcctttcctc tcactgtgac atcggcccaa 300

aagaacccga cagctttcta tctctgtgcc agtagtgaca gcatataggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cagcatatag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3846
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3846
gccttgccag cccgctcagg caggattgac actctaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gcaggattga cactctctga 480

tggcgcgagg gaggc 495

<210> 3847
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3847
gccttgccag cccgctcagg caggattttc ggaacaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gcaggatttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3848
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3848
gccttgccag cccgctcagg caggattaag taacgaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gcaggattaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3849
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3849
gccttgccag cccgctcagg caggattgtc tcctaaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gcaggattgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3850
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3850
gccttgccag cccgctcagg caggattaga gtgtcaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gcaggattag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3851
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3851
gccttgccag cccgctcagg caggattgtt ccgaaaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gcaggattgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3852
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3852
gccttgccag cccgctcagg caggattcgt tacttaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gcaggattcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3853
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3853
gccttgccag cccgctcagg caggatttag gagacaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggatttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gcaggattta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3854
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3854
gccttgccag cccgctcagg caggattgtg tctacaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gcaggattgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3855
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3855
gccttgccag cccgctcagg caggattgta cagtgaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gcaggattgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3856
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3856
gccttgccag cccgctcagg caggattgga tcatcaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gcaggattgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3857
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3857
gccttgccag cccgctcagg caggatttat tggcgaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggatttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gcaggattta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3858
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3858
gccttgccag cccgctcagg caggattagg cttgaaggct ccgggcttgg tgctgtcgtc 60

tctcaacatc cgagctgggt tatctgtaag agtggaacct ctgtgaagat cgagtgccgt 120

tccctggact ttcaggccac aactatgttt tggtatcgtc agttcccgaa acagagtctc 180

atgctgatgg caacttccaa tgagggctcc aaggccacat acgagcaagg cgtcgagaag 240

gacaagtttc tcatcaacca tgcaagcctg accttgtcca ctctgacagt gaccagtgcc 300

catcctgaag acagcagctt ctacatctgc agtgctgagc aggattaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gcaggattag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3859
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3859
gccttgccag cccgctcaga ggtctcagac actctctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag aggtctcaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3860
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3860
gccttgccag cccgctcaga ggtctcattc ggaacctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat aggtctcatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3861
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3861
gccttgccag cccgctcaga ggtctcaaag taacgctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag aggtctcaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3862
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3862
gccttgccag cccgctcaga ggtctcagtc tcctactcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcagtct cctagtcgac 360

aatgaaaaac tgtttttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag aggtctcagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3863
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3863
gccttgccag cccgctcaga ggtctcaaga gtgtcctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct aggtctcaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3864
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3864
gccttgccag cccgctcaga ggtctcagtt ccgaactcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat aggtctcagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3865
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3865
gccttgccag cccgctcaga ggtctcacgt tacttctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc aggtctcacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3866
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3866
gccttgccag cccgctcaga ggtctcatag gagacctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcatagg agacgtcgac 360

accggggagc tgtttttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg aggtctcata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3867
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3867
gccttgccag cccgctcaga ggtctcagtg tctacctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc aggtctcagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3868

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3868
gccttgccag cccgctcaga ggtctcagta cagtgctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg aggtctcagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3869
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3869
gccttgccag cccgctcaga ggtctcagga tcatcctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg aggtctcagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3870
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3870
gccttgccag cccgctcaga ggtctcatat tggcgctcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg aggtctcata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3871
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3871
gccttgccag cccgctcaga ggtctcaagg cttgactcca caggctccac ggacaccaag 60

gtcacccaga gacctagact tctggtcaaa gcaagtgaac agaaagcaaa gatggattgt 120

gttcctataa aagcacatag ttatgtttac tggtatcgta agaagctgga agaagagctc 180

aagtttttgg tttactttca gaatgaagaa cttattcaga aagcagaaat aatcaatgag 240

cgatttttag cccaatgctc caaaaactca tcctgtacct tggagatcca gtccacggag 300

tcaggggaca cagcactgta tttctgtgcc agcagtgaag gtctcaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg aggtctcaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3872
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3872
gccttgccag cccgctcagg tccattcgac actctttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc cagctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtccattcga cactctctga 480

tggcgcgagg gaggc 495

<210> 3873
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3873
gccttgccag cccgctcagg tccattcttc ggaacttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtccattctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3874
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3874
gccttgccag cccgctcagg tccattcaag taacgttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtccattcaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3875
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3875
gccttgccag cccgctcagg tccattcgtc tcctattgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtccattcgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3876
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3876
gccttgccag cccgctcagg tccattcaga gtgtcttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtccattcag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3877
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3877
gccttgccag cccgctcagg tccattcgtt ccgaattgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtccattcgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3878
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3878
gccttgccag cccgctcagg tccattccgt tacttttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtccattccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3879
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3879
gccttgccag cccgctcagg tccattctag gagacttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtccattcta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3880
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3880
gccttgccag cccgctcagg tccattcgtg tctacttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc cagctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc gtccattcgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3881
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3881
gccttgccag cccgctcagg tccattcgta cagtgttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc cagctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtccattcgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3882
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3882
gccttgccag cccgctcagg tccattcgga tcatcttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtccattcgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3883
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3883
gccttgccag cccgctcagg tccattctat tggcgttgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc agctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtccattcta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3884
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3884
gccttgccag cccgctcagg tccattcagg cttgattgtc tcttggaccc ttggatgctg 60

acatctatca gatgccattc cagctcactg gggctggatg ggatgtgact ctggagtgga 120

aacggaattt gagacacaat gacatgtact gctactggta ctggcaggac ccaaagcaaa 180

atctgagact gatctattac tcaagggttg aaaaggatat tcagagagga gatctaactg 240

aaggctacgt gtctgccaag aggagaaggg gctatttctt ctcagggtga agttggccca 300

caccagccaa acagctttgt acttctgtcc tgggatgagt ccattcaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtccattcag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3885
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3885
gccttgccag cccgctcaga ctatgacgac actcttctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag actatgacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3886
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3886
gccttgccag cccgctcaga ctatgacttc ggaactctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat actatgactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3887
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3887
gccttgccag cccgctcaga ctatgacaag taacgtctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag actatgacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3888
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3888
gccttgccag cccgctcaga ctatgacgtc tcctatctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag actatgacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3889
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3889
gccttgccag cccgctcaga ctatgacaga gtgtctctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct actatgacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3890
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3890
gccttgccag cccgctcaga ctatgacgtt ccgaatctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat actatgacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3891

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3891
gccttgccag cccgctcaga ctatgaccgt tactttctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc actatgaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3892
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3892
gccttgccag cccgctcaga ctatgactag gagactctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgactagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg actatgacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3893
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3893
gccttgccag cccgctcaga ctatgacgtg tctactctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc actatgacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3894
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3894
gccttgccag cccgctcaga ctatgacgta cagtgtctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg actatgacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3895
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3895
gccttgccag cccgctcaga ctatgacgga tcatctctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg actatgacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3896
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3896
gccttgccag cccgctcaga ctatgactat tggcgtctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg actatgacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3897
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3897
gccttgccag cccgctcaga ctatgacagg cttgatctta cagactcttt tcatgccaaa 60

gtcacacaga ctccaggaca tttggtcaaa ggaaaaggac agaaaacaaa gatggattgt 120

acccccgaaa aaggacatac ttttgtttat tggtatcaac agaatcagaa taaagagttt 180

atgcttttga tttcctttca gaatgaacaa gttcttcaag aaacggagat gcacaagaag 240

cgattctcat ctcaatgccc caagaacgca ccctgcagcc tggcaatcct gtcctcagaa 300

ccgggagaca cggcactgta tctctgcgcc agcagtgaac tatgacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg actatgacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3898
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3898
gccttgccag cccgctcagt ccatgtggac actctatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag tccatgtgga cactctctga 480

tggcgcgagg gaggc 495

<210> 3899
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3899
gccttgccag cccgctcagt ccatgtgttc ggaacatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat tccatgtgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3900
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3900
gccttgccag cccgctcagt ccatgtgaag taacgatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag tccatgtgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3901
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3901
gccttgccag cccgctcagt ccatgtggtc tcctaatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag tccatgtggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3902
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3902
gccttgccag cccgctcagt ccatgtgaga gtgtcatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct tccatgtgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3903
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3903
gccttgccag cccgctcagt ccatgtggtt ccgaaatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat tccatgtggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3904
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3904
gccttgccag cccgctcagt ccatgtgcgt tacttatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc tccatgtgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3905
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3905
gccttgccag cccgctcagt ccatgtgtag gagacatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg tccatgtgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3906
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3906
gccttgccag cccgctcagt ccatgtggtg tctacatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc tccatgtggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3907
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3907
gccttgccag cccgctcagt ccatgtggta cagtgatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg tccatgtggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3908
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3908
gccttgccag cccgctcagt ccatgtggga tcatcatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg tccatgtggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3909
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3909
gccttgccag cccgctcagt ccatgtgtat tggcgatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg tccatgtgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3910
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3910
gccttgccag cccgctcagt ccatgtgagg cttgaatttc cacagggtcc atggatgctg 60

atgttaccca gaccccaagg aataggatca caaagacagg aaagaggatt atgctggaat 120

gttctcagac taagggtcat gatagaatgt actggtatcg acaagaccca ggactgggcc 180

tacggttgat ctattactcc tttgatgtca aagatataaa caaaggagag atctctgatg 240

gatacagtgt ctctcgacag gcacaggcta aattctccct gtccctagag tctgccatcc 300

ccaaccagac agctctttac ttctgtgcca ccagttgatc catgtgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg tccatgtgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3911
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3911
gccttgccag cccgctcaga tggtcaagac actcttcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag atggtcaaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3912
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3912
gccttgccag cccgctcaga tggtcaattc ggaactcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat atggtcaatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3913
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3913
gccttgccag cccgctcaga tggtcaaaag taacgtcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag atggtcaaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3914

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3914
gccttgccag cccgctcaga tggtcaagtc tcctatcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag atggtcaagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3915
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3915
gccttgccag cccgctcaga tggtcaaaga gtgtctcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct atggtcaaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3916
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3916
gccttgccag cccgctcaga tggtcaagtt ccgaatcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat atggtcaagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3917
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3917
gccttgccag cccgctcaga tggtcaacgt tactttcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc atggtcaacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3918
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3918
gccttgccag cccgctcaga tggtcaatag gagactcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg atggtcaata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3919
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3919
gccttgccag cccgctcaga tggtcaagtg tctactcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc atggtcaagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3920
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3920
gccttgccag cccgctcaga tggtcaagta cagtgtcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg atggtcaagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3921
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3921
gccttgccag cccgctcaga tggtcaagga tcatctcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg atggtcaagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3922
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3922
gccttgccag cccgctcaga tggtcaatat tggcgtcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg atggtcaata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3923
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3923
gccttgccag cccgctcaga tggtcaaagg cttgatcttc ccataggcct catggaagct 60

gacatctacc agaccccaag ataccttgtt atagggacag gaaagaagat cactctggaa 120

tgttctcaaa ccatgggcca tgacaaaatg tactggtatc aacaagatcc aggaatggaa 180

ctacacctca tccactattc ctatggagtt aattccacag agaagggaga tctttcctct 240

gagtcaacag tctccagaat aaggacggag cattttcccc tgaccctgga gtctgccagg 300

ccctcacata cctctcagta cctctgtgcc agcagtgaat ggtcaaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg atggtcaaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3924
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3924
gccttgccag cccgctcagc aagtcacgac actctccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag caagtcacga cactctctga 480

tggcgcgagg gaggc 495

<210> 3925
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3925
gccttgccag cccgctcagc aagtcacttc ggaacccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat caagtcactt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3926
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3926
gccttgccag cccgctcagc aagtcacaag taacgccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag caagtcacaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3927
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3927
gccttgccag cccgctcagc aagtcacgtc tcctaccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag caagtcacgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3928
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3928
gccttgccag cccgctcagc aagtcacaga gtgtcccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct caagtcacag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3929
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3929
gccttgccag cccgctcagc aagtcacgtt ccgaaccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat caagtcacgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3930
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3930
gccttgccag cccgctcagc aagtcaccgt tacttccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcaccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc caagtcaccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3931
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3931
gccttgccag cccgctcagc aagtcactag gagacccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcactagg agacgtcgac 360

accggggagc tgtttttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg caagtcacta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3932
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3932
gccttgccag cccgctcagc aagtcacgtg tctacccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc caagtcacgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3933
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3933
gccttgccag cccgctcagc aagtcacgta cagtgccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg caagtcacgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3934
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3934
gccttgccag cccgctcagc aagtcacgga tcatcccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg caagtcacgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3935
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3935
gccttgccag cccgctcagc aagtcactat tggcgccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcactatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg caagtcacta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3936
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3936
gccttgccag cccgctcagc aagtcacagg cttgaccccc caacaggcct caaggatgct 60

gtagttacac aattcccaag acacagaatc attgggacag gaaaggaatt cattctacag 120

tgttcccaga atatgaatca tgttacaatg tactggtatc gacaggaccc aggacttgga 180

ctgaagctgg tctattattc acctggcact gggagcactg aaaaaggaga tatctctgag 240

gggtatcatg tttcttgaaa tactatagca tcttttcccc tgaccctgaa gtctgccagc 300

accaaccaga catctgtgta tctctatgcc agcagtgaca agtcacaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg caagtcacag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3937

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3937
gccttgccag cccgctcagg atggcttgac actctttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gatggcttga cactctctga 480

tggcgcgagg gaggc 495

<210> 3938
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3938
gccttgccag cccgctcagg atggcttttc ggaacttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gatggctttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3939
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3939
gccttgccag cccgctcagg atggcttaag taacgttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gatggcttaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3940
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3940
gccttgccag cccgctcagg atggcttgtc tcctattcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gatggcttgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3941
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3941
gccttgccag cccgctcagg atggcttaga gtgtcttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gatggcttag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3942
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3942
gccttgccag cccgctcagg atggcttgtt ccgaattcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gatggcttgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3943
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3943
gccttgccag cccgctcagg atggcttcgt actttтcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gatggcttcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3944
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3944
gccttgccag cccgctcagg atggctttag gagacttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggctttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gatggcttta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3945
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3945
gccttgccag cccgctcagg atggcttgtg tctacttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gatggcttgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3946
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3946
gccttgccag cccgctcagg atggcttgta cagtgttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gatggcttgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3947
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3947
gccttgccag cccgctcagg atggcttgga tcatcttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gatggcttgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3948
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3948
gccttgccag cccgctcagg atggctttat tggcgttcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggctttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gatggcttta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3949
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3949
gccttgccag cccgctcagg atggcttagg cttgattcct ttacaggccc cctggaagcc 60

caagtgaccc agaacccaag atacctcatc acagtgactg gaaagaagtt aacagtgact 120

tgttctcaga atatgaacca tgagtatatg tcctggtatc gacaagaccc agggctgggc 180

ttaaggcaga tctactattc aatgaatgtt gaggtgactg ataagggaga tgttcctgaa 240

gggtacaaag tctctcgaaa agagaagagg aatttccccc tgatcctgga gtcgcccagc 300

cccaaccaga cctctctgta cttctgtgcc agcagtgaga tggcttaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gatggcttag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3950
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3950
gccttgccag cccgctcagc tgcaatcgac actctgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ctgcaatcga cactctctga 480

tggcgcgagg gaggc 495

<210> 3951
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3951
gccttgccag cccgctcagc tgcaatcttc ggaacgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ctgcaatctt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3952
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3952
gccttgccag cccgctcagc tgcaatcaag taacggtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ctgcaatcaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3953
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3953
gccttgccag cccgctcagc tgcaatcgtc tcctagtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ctgcaatcgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3954
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3954
gccttgccag cccgctcagc tgcaatcaga gtgtcgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ctgcaatcag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3955
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3955
gccttgccag cccgctcagc tgcaatcgtt ccgaagtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ctgcaatcgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3956
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3956
gccttgccag cccgctcagc tgcaatccgt tacttgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatccgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ctgcaatccg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3957
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3957
gccttgccag cccgctcagc tgcaatctag gagacgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatctagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ctgcaatcta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3958
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3958
gccttgccag cccgctcagc tgcaatcgtg tctacgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc ctgcaatcgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3959
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3959
gccttgccag cccgctcagc tgcaatcgta cagtggtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ctgcaatcgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3960

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3960
gccttgccag cccgctcagc tgcaatcgga tcatcgtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ctgcaatcgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3961
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3961
gccttgccag cccgctcagc tgcaatctat tggcggtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatctatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ctgcaatcta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3962
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3962
gccttgccag cccgctcagc tgcaatcagg cttgagtctc tcacaggcct cgtagatgtg 60

aaagtaaccc agagctcgag atatctagtc aaaaggacgg gagagaaagt ttttctggaa 120

tgtgtccagg atatggacca tgaaaatatg ttctggtatc gacaagaccc aggtctgggg 180

ctacggctga tctatttctc atatgatgtt aaaatgaaag aaaaaggaga tattcctgag 240

gggtacagtg tctctagaga gaagaaggag cgcttctccc tgattctgga gtccgccagc 300

accaaccaga catctatgta cctctgtgcc agcagtgact gcaatcaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ctgcaatcag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3963
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3963
gccttgccag cccgctcagg tcatagtgac actctactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtcatagtga cactctctga 480

tggcgcgagg gaggc 495

<210> 3964
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3964
gccttgccag cccgctcagg tcatagtttc ggaacactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtcatagttt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3965
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3965
gccttgccag cccgctcagg tcatagtaag taacgactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtcatagtaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3966
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3966
gccttgccag cccgctcagg tcatagtgtc tcctaactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtcatagtgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3967
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3967
gccttgccag cccgctcagg tcatagtaga gtgtcactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtcatagtag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3968
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3968
gccttgccag cccgctcagg tcatagtgtt ccgaaactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtcatagtgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3969
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3969
gccttgccag cccgctcagg tcatagtcgt tacttactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtcatagtcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3970
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3970
gccttgccag cccgctcagg tcatagttag gagacactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagttagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtcatagtta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3971
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3971
gccttgccag cccgctcagg tcatagtgtg tctacactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc gtcatagtgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3972
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3972
gccttgccag cccgctcagg tcatagtgta cagtgactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtcatagtgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3973
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3973
gccttgccag cccgctcagg tcatagtgga tcatcactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtcatagtgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3974
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3974
gccttgccag cccgctcagg tcatagttat tggcgactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagttatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtcatagtta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3975
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3975
gccttgccag cccgctcagg tcatagtagg cttgaactag gctctgtgtt cagtgctgtc 60

atctctcaaa agccaagcag ggatatctgt caacgtggaa cctccctgac gatccagtgt 120

caagtcgata gccaagtcac catgatgttc tggtaccgtc agcaacctgg acagagcctg 180

acactgatcg caactgcaaa tcagggctct gaggccacat atgagagtgg atttgtcatt 240

gacaagtttc ccatcagccg cccaaaccta acattctcaa ctctgactgt gagcaacatg 300

agccctgaag acagcagcat atatctctgc agcgttgagt catagtaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtcatagtag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3976
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3976
gccttgccag cccgctcagc acatggagac actcttatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggagaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag cacatggaga cactctctga 480

tggcgcgagg gaggc 495

<210> 3977
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3977
gccttgccag cccgctcagc acatggattc ggaactatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggattcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat cacatggatt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3978
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3978
gccttgccag cccgctcagc acatggaaag taacgtatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggaaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag cacatggaaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3979
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3979
gccttgccag cccgctcagc acatggagtc tcctatatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggagtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag cacatggagt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3980
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3980
gccttgccag cccgctcagc acatggaaga gtgtctatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggaagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct cacatggaag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3981
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3981
gccttgccag cccgctcagc acatggagtt ccgaatatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggagttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat cacatggagt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3982
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3982
gccttgccag cccgctcagc acatggacgt tactttatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggacgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc cacatggacg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3983

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3983
gccttgccag cccgctcagc acatggatag gagactatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggatagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg cacatggata ggagacctga 480

tggcgcgagg gaggc 495

<210> 3984
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3984
gccttgccag cccgctcagc acatggagtg tctactatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggagtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggggcgc cccgggacgc cacatggagt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3985
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3985
gccttgccag cccgctcagc acatggagta cagtgtatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggagtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg cacatggagt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3986
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3986
gccttgccag cccgctcagc acatggagga tcatctatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggaggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg cacatggagg atcatcctga 480

tggcgcgagg gaggc 495

<210> 3987
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3987
gccttgccag cccgctcagc acatggatat tggcgtatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggatatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg cacatggata ttggcgctga 480

tggcgcgagg gaggc 495

<210> 3988
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3988
gccttgccag cccgctcagc acatggaagg cttgatatct ttcccacagg ggtcagatct 60

cagactattc atcaatggcc agcgaccctg gtgcagcctg tgggcagccc gctctctctg 120

gagtgcactg tggagggaac atcaaacccc aacctatact ggtaccgaca ggctgcaggc 180

aggggcctcc agctgctctt ctactccgtt ggtattggcc agatcagctc tgaggtgccc 240

cagaatctct cagcctccag accccaggac cggcagttca tcctgagttc taagaagctc 300

cttctcagtg actctggctt ctatctctgt gcctgtgaca catggaaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg cacatggaag gcttgactga 480

tggcgcgagg gaggc 495

<210> 3989
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3989
gccttgccag cccgctcagt tgaccatgac actcttcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatgaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac attttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag ttgaccatga cactctctga 480

tggcgcgagg gaggc 495

<210> 3990
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3990
gccttgccag cccgctcagt tgaccatttc ggaactcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat ttgaccattt cggaacctga 480

tggcgcgagg gaggc 495

<210> 3991
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3991
gccttgccag cccgctcagt tgaccataag taacgtcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccataagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag ttgaccataa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 3992
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3992
gccttgccag cccgctcagt tgaccatgtc tcctatcttt ctgtcttctg tcccctcagc 60

tcataaaccc agctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatgtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag ttgaccatgt ctcctactga 480

tggcgcgagg gaggc 495

<210> 3993
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3993
gccttgccag cccgctcagt tgaccataga gtgtctcttt ctgtcttctg tcccctcagc 60

tcataaaccc agctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct ttgaccatag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 3994
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3994
gccttgccag cccgctcagt tgaccatgtt ccgaatcttt ctgtcttctg tcccctcagc 60

tcataaaccc agctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatgttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat ttgaccatgt tccgaactga 480

tggcgcgagg gaggc 495

<210> 3995
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3995
gccttgccag cccgctcagt tgaccatcgt tactttcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc ttgaccatcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 3996
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3996
gccttgccag cccgctcagt tgaccattag gagactcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccattagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg ttgaccatta ggagacctga 480

tggcgcgagg gaggc 495

<210> 3997
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3997
gccttgccag cccgctcagt tgaccatgtg tctactcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatgtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gagggggcgc cccgggacgc ttgaccatgt gtctacctga 480

tggcgcgagg gaggc 495

<210> 3998
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 3998
gccttgccag cccgctcagt tgaccatgta cagtgtcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatgtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg ttgaccatgt acagtgctga 480

tggcgcgagg gaggc 495

<210> 3999
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 3999
gccttgccag cccgctcagt tgaccatgga tcatctcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccatggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg ttgaccatgg atcatcctga 480

tggcgcgagg gaggc 495

<210> 4000
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4000
gccttgccag cccgctcagt tgaccattat tggcgtcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccattatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg ttgaccatta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 4001
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4001
gccttgccag cccgctcagt tgaccatagg cttgatcttt ctgtcttctg tcccctcagc 60

tcataaaccc cagctcgtag aagctgaagc cacctagact ctaagacacc tgattgcaga 120

gacaggaaag gagttctcaa gataagtgcc aagatttcat actggttttc acaagaatca 180

gggttggaat tagagccgac tcattattca gttaacattg acattgttga ttagagacat 240

atccctattg aaaatatttc ctggcaaaaa atagaagttc tctttggctc tgaaatctgc 300

aactcccttt caggtgtccc tgtgtccttg taccgtgatt gaccataggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg ttgaccatag gcttgactga 480

tggcgcgagg gaggc 495

<210> 4002
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4002
gccttgccag cccgctcagg tgacttggac actctcagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttggaca ctctgtcgac 360

actgaagctt tctttggaca aggcaccaga ctcacagttg taggtaagac atttttcagg 420

ttcttttgca gatccgtcac agggaaaagt gggtccacag gtgacttgga cactctctga 480

tggcgcgagg gaggc 495

<210> 4003
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4003
gccttgccag cccgctcagg tgacttgttc ggaaccagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgttcg gaacgtcgac 360

tatggctaca ccttcggttc ggggaccagg ttaaccgttg taggtaaggc tgggggtctc 420

taggaggggt gcgatgaggg aggactctgt cctgggaaat gtgacttgtt cggaacctga 480

tggcgcgagg gaggc 495

<210> 4004
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4004
gccttgccag cccgctcagg tgacttgaag taacgcagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgaagt aacggtcgac 360

gaaacaccat atattttgga gagggaagtt ggctcactgt tgtaggtgag taagtcaagg 420

ctggacagct gggaacttgc aaaaaggggc tggaatccag gtgacttgaa gtaacgctga 480

tggcgcgagg gaggc 495

<210> 4005
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4005
gccttgccag cccgctcagg tgacttggtc tcctacagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttggtct cctagtcgac 360

aatgaaaaac tgtttttgg cagtggaacc cagctctctg tcttgggtat gtaaaagact 420

tctttcggga tagtgtatca taaggtcgga gttccaggag gtgacttggt ctcctactga 480

tggcgcgagg gaggc 495

<210> 4006

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4006
gccttgccag cccgctcagg tgacttgaga gtgtccagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgagag tgtcgtcgac 360

atcagcccca gcattttggt gatgggactc gactctccat cctaggtaag ttgcagaatc 420

agggtggtat ggccattgtc ccttgaaggc agagttctct gtgacttgag agtgtcctga 480

tggcgcgagg gaggc 495

<210> 4007
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4007
gccttgccag cccgctcagg tgacttggtt ccgaacagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttggttc cgaagtcgac 360

ataattcacc cctccacttt gggaacggga ccaggctcac tgtgacaggt atgggggctc 420

cactcttgac tcgggggtgc ctgggtttga ctgcaatgat gtgacttggt tccgaactga 480

tggcgcgagg gaggc 495

<210> 4008
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4008
gccttgccag cccgctcagg tgacttgcgt tacttcagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgcgtt acttgtcgac 360

acaatgagca gttcttcggg ccagggacac ggctcaccgt gctaggtaag aaggggctc 420

caggtgggag agagggtgag cagcccagcc tgcacgaccc gtgacttgcg ttacttctga 480

tggcgcgagg gaggc 495

<210> 4009
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4009
gccttgccag cccgctcagg tgacttgtag gagaccagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgtagg agacgtcgac 360

accggggagc tgtttttgg agaaggctct aggctgaccg tactgggtaa ggaggcggtt 420

ggggctccgg agagctccga gagggcggga tgggcagagg gtgacttgta ggagacctga 480

tggcgcgagg gaggc 495

<210> 4010
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4010
gccttgccag cccgctcagg tgacttggtg tctaccagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttggtgt ctacgtcgac 360

agatacgcag tattttggcc caggcacccg gctgacagtg ctcggtaagc gggggctccc 420

gctgaagccc cggaactggg gaggggcgc cccgggacgc gtgacttggt gtctacctga 480

tggcgcgagg gaggc 495

<210> 4011
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4011
gccttgccag cccgctcagg tgacttggta cagtgcagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttggtac agtggtcgac 360

aaaacattca gtacttcggc gccgggaccc ggctctcagt gctgggtaag ctggggccgc 420

cgggggaccg gggacgagac tgcgctcggg tttttgtgcg gtgacttggt acagtgctga 480

tggcgcgagg gaggc 495

<210> 4012
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4012
gccttgccag cccgctcagg tgacttggga tcatccagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgggat catcgtcgac 360

gagacccagt acttcgggcc aggcacgcgg ctcctggtgc tcggtgagcg cgggctgctg 420

gggcgcgggc gcgggcggct tgggtctggt ttttgcgggg gtgacttggg atcatcctga 480

tggcgcgagg gaggc 495

<210> 4013
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4013
gccttgccag cccgctcagg tgacttgtat tggcgcagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgtatt ggcggtcgac 360

gggccaacgt cctgactttc ggggccggca gcaggctgac cgtgctgggt gagttttcgc 420

gggaccaccc gggcggcggg attcaggtgg aaggcggcgg gtgacttgta ttggcgctga 480

tggcgcgagg gaggc 495

<210> 4014
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4014
gccttgccag cccgctcagg tgacttgagg cttgacagac cctgagatga ggcaggaaag 60

ttgtatcgga atgttttcag actatcaacc agaccaaacg ttctggaatc cataagatcc 120

agggctgggg ataaatttaa tctattaatt attcttctga agttggcagc tttgaaaaag 180

atgccctgag tcagcatagt cattctaacc aaaaagaaaa aagggaaaaa ataatcatct 240

ttcccaaccc ttaaatcgtc cagcactaac cagactctga gaccctctgc agcagcagcc 300

tatcagtgca gccacatcct ctctgagcgg atatgtgagt gacttgaggc ttgagtcgac 360

acgagcagta cttcgggccg ggcaccaggc tcacggtcac aggtgagatt cgggcgtctc 420

cccaccttcc agcccctcgg tccccggagt cggagggtgg gtgacttgag gcttgactga 480

tggcgcgagg gaggc 495

<210> 4015
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4015
gccttgccag cccgctcagc aaggtcattg cctcaagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg caaggtcatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4016
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4016
gccttgccag cccgctcagg cataactttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataactttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg gcataacttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4017
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4017
gccttgccag cccgctcagc tctgattttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgattttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg ctctgatttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4018
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4018
gccttgccag cccgctcagt acgtacgttg cctcacagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tacgtacgtt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4019
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4019
gccttgccag cccgctcagt acgcgttttg cctcacagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgttttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tacgcgtttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4020
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4020
gccttgccag cccgctcagc tcagtgattg cctcacagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg ctcagtgatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4021
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4021
gccttgccag cccgctcagt ctgatatttg cctcaagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatatttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg tctgatattt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4022
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4022
gccttgccag cccgctcagc atatgctttg cctcaagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgctttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg catatgcttt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4023
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4023
gccttgccag cccgctcagc gtaattattg cctcacagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg cgtaattatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4024
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4024
gccttgccag cccgctcaga cgtactcttg cctcagcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactcttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg acgtactctt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4025
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4025
gccttgccag cccgctcagc ttctaagttg cctcattatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg cttctaagtt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4026
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4026
gccttgccag cccgctcaga ctatgacttg cctcagggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgacttgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg actatgactt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4027
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4027
gccttgccag cccgctcagg acgttaattg cctcatccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg gacgttaatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4028
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4028
gccttgccag cccgctcaga caagatattg cctcagcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatattgc ctcagtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaag gcaggaaatg acaagatatt gcctcactga 480

tggcgcgagg gaggc 495

<210> 4029

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4029
gccttgccag cccgctcagc aaggtcatcg ttagcagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt caaggtcatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4030
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4030
gccttgccag cccgctcagg cataacttcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt gcataacttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4031
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4031
gccttgccag cccgctcagc tctgatttcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt ctctgatttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4032
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4032
gccttgccag cccgctcagt acgtacgtcg ttagccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tacgtacgtc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4033
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4033
gccttgccag cccgctcagt acgcgtttcg ttagccagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tacgcgtttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4034
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4034
gccttgccag cccgctcagc tcagtgatcg ttagccagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt ctcagtgatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4035
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4035
gccttgccag cccgctcagt ctgatattcg ttagcagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt tctgatattc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4036
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4036
gccttgccag cccgctcagc atatgcttcg ttagcagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt catatgcttc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4037
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4037
gccttgccag cccgctcagc gtaattatcg ttagccagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt cgtaattatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4038
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4038
gccttgccag cccgctcaga cgtactctcg ttagcgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt acgtactctc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4039
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4039
gccttgccag cccgctcagc ttctaagtcg ttagcttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt cttctaagtc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4040
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4040
gccttgccag cccgctcaga ctatgactcg ttagcgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt actatgactc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4041
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4041
gccttgccag cccgctcagg acgttaatcg ttagctccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt gacgttaatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4042
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4042
gccttgccag cccgctcaga caagatatcg ttagcgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatcgt tagcgtcgac 360

attataagaa actctttggc agtggaacaa cacttgttgt cacaggtaag tatcggaaga 420

atacaacatt tccaaggtaa tagagggaaa gcaggaaatt acaagatatc gttagcctga 480

tggcgcgagg gaggc 495

<210> 4043
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4043
gccttgccag cccgctcagc aaggtcatat agttcagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag caaggtcata tagttcctga 480

tggcgcgagg gaggc 495

<210> 4044
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4044
gccttgccag cccgctcagg cataacttat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag gcataactta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4045
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4045
gccttgccag cccgctcagc tctgatttat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag ctctgattta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4046
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4046
gccttgccag cccgctcagt acgtacgtat agttccagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tacgtacgta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4047
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4047
gccttgccag cccgctcagt acgcgtttat agttccagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tacgcgttta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4048
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4048
gccttgccag cccgctcagc tcagtgatat agttccagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag ctcagtgata tagttcctga 480

tggcgcgagg gaggc 495

<210> 4049
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4049
gccttgccag cccgctcagt ctgatattat agttcagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag tctgatatta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4050
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4050
gccttgccag cccgctcagc atatgcttat agttcagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag catatgctta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4051
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4051
gccttgccag cccgctcagc gtaattatat agttccagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag cgtaattata tagttcctga 480

tggcgcgagg gaggc 495

<210> 4052

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4052
gccttgccag cccgctcaga cgtactctat agttcgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag acgtactcta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4053
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4053
gccttgccag cccgctcagc ttctaagtat agttcttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag cttctaagta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4054
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4054
gccttgccag cccgctcaga ctatgactat agttcgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag actatgacta tagttcctga 480

tggcgcgagg gaggc 495

<210> 4055
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4055
gccttgccag cccgctcagg acgttaatat agttctccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag gacgttaata tagttcctga 480

tggcgcgagg gaggc 495

<210> 4056
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4056
gccttgccag cccgctcaga caagatatat agttcgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatata gttcgtcgac 360

aagagttggg caaaaaaatc aaggtatttg gtcccggaac aaagcttatc attacaggta 420

agttttcttt aaattttgca atgtaaagaa gggatgggag acaagatata tagttcctga 480

tggcgcgagg gaggc 495

<210> 4057
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4057
gccttgccag cccgctcagc aaggtcatgg cgtatagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg caaggtcatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4058
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4058
gccttgccag cccgctcagg cataacttgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg gcataacttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4059
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4059
gccttgccag cccgctcagc tctgatttgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg ctctgatttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4060
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4060
gccttgccag cccgctcagt acgtacgtgg cgtatcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tacgtacgtg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4061
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4061
gccttgccag cccgctcagt acgcgtttgg cgtatcagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tacgcgtttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4062
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4062
gccttgccag cccgctcagc tcagtgatgg cgtatcagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg ctcagtgatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4063
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4063
gccttgccag cccgctcagt ctgatattgg cgtatagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg tctgatattg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4064
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4064
gccttgccag cccgctcagc atatgcttgg cgtatagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg catatgcttg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4065
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4065
gccttgccag cccgctcagc gtaattatgg cgtatcagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg cgtaattatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4066
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4066
gccttgccag cccgctcaga cgtactctgg cgtatgcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg acgtactctg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4067
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4067
gccttgccag cccgctcagc ttctaagtgg cgtatttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg cttctaagtg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4068
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4068
gccttgccag cccgctcaga ctatgactgg cgtatgggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg actatgactg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4069
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4069
gccttgccag cccgctcagg acgttaatgg cgtattccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc aggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg gacgttaatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4070
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4070
gccttgccag cccgctcaga caagatatgg cgtatgcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatggc gtatgtcgac 360

actggttggt tcaagatatt tgctgaaggg actaagctca tagtaacttc acctggtaag 420

taacttttct ttctgttttt attccagtaa tgaaaaactg acaagatatg gcgtatctga 480

tggcgcgagg gaggc 495

<210> 4071
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4071
gccttgccag cccgctcagc aaggtcatgg acatgagtca gatatcttcc aacttggaag 60

ggagaacgaa gtcagtcacc aggctgactg ggtcatctgc tgaaatcacc tgtgatcttc 120

ctggagcaag taccttatac atccactggt acctgcacca ggaggggaag gccccacagt 180

gtcttctgta ctatgaaccc tactactcca gggttgtgct ggaatcagga atcactccag 240

gaaagtatga cactggaagc acaaggagca attggaattt gagactgcaa aatctaatta 300

aaaatgattc tgggttctat tactgtgcca cctggtgaca aggtcatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga caaggtcatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4072
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4072
gccttgccag cccgctcagg cataacttgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtaa cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttcagtacta tgactcctac aactccaagg ttgtgttgga atcaggagtc agtccaggga 240

agtattatac ttacgcaagc acaaggaaca acttgagatt gatactgcga aatctaattg 300

aaaatgactt tggggtctat tactgtgcca cctggtgagc ataacttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga gcataacttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4073
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4073
gccttgccag cccgctcagc tctgatttgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcaccagg cagactgggt catctgctga aatcacttgc gatcttactg 120

taacaaatac cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc accgcaaggg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact ctgatttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga ctctgatttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4074
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4074
gccttgccag cccgctcagt acgtacgtgg acatgcagaa atcttccaac ttggaaggga 60

gaacgaagtc agtcatcagg cagactgggt catctgctga aatcacttgt gatcttgctg 120

aaggaagtac cggctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac acctccagcg ttgtgttgga atcaggaatc agcccaggga 240

agtatgatac ttacggaagc acaaggaaga acttgagaat gatactgcga aatcttattg 300

aaaatgactc tggagtctat tactgtgcca cctggtgata cgtacgtgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tacgtacgtg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4075

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4075
gccttgccag cccgctcagt acgcgtttgg acatgcagaa atcttccaac ttggaagggg 60

gaacgaagtc agtcacgagg ccgactaggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cttctacatc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgacgtctcc aactcaaagg atgtgttgga atcaggactc agtccaggaa 240

agtattatac tcatacaccc aggaggtgga gctggatatt gatactacga aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgata cgcgtttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tacgcgtttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4076
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4076
gccttgccag cccgctcagc tcagtgatgg acatgcagaa atcttccaac ttggaaggga 60

gaatgaagtc agtcaccagg ccgactgggt catctgctga aatcacttgt gaccttactg 120

taataaatgc cgtctacatc cactggtacc tacagcagga ggggaagacc ccacagcatc 180

ttctgcacta tgatgtctcc aactcaaggg atgtgttgga atcaggtctc agtcttggaa 240

agtattatac tcatacaccg aggaggtgga gctggaattt gagactgcaa aatctaattg 300

aaaatgattc tggggtctat tactgtgcca cctggtgact cagtgatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga ctcagtgatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4077
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4077
gccttgccag cccgctcagt ctgatattgg acatgagtca gatatctact aacttggaag 60

cgaaaataaa gtcaggcacc aggcagatgg ggtcatctgc tgtaatcacc tgtgatcttc 120

ctgtagaaaa tgccttctac atccactggt acctacgcca ggaggggaag gccccacagc 180

atcttctgta ctatgacatc tgcaactcca gggatatgtt ggaatcagga gtcagtcagg 240

aaagcatgat acttatggaa gtagaaggat aagctggaaa tttatacctc caaaactaaa 300

tgaaaatgcc tctggggtct attactgtgc caccttgatc tgatattgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga tctgatattg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4078
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4078
gccttgccag cccgctcagc atatgcttgg acatgagtca gaaatcttcc aacttgcaag 60

ggagaaggaa gtcagtcacc aggccagctg ggtcatctgc tgtaatcact tgtgatctta 120

ctgtaataaa taccttctac atccactggt acctgcacca ggcggggaag gccccacagc 180

atcttccata ctatgacccc tactactcca gggttgtgtt ggaatcaaga atcagtagag 240

gaaagtattt tacttatgca agcatgagga ggagctggaa attgatactg caaaatctaa 300

ttgaaaatga ttctggatct attactgtgc caccttgaca tatgcttgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga catatgcttg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4079
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4079
gccttgccag cccgctcagc gtaattatgg acatgcagaa atcttccaac ttggaaggga 60

gaacaaagtc agtcaccagg ccaactgggt catcagctgt aatcacttgt gatcttcctg 120

tagaaaatgc cgtctacacc cactggtacc tacaccagga ggggaaggcc ccacagcgtc 180

ttctgtacta tgactcctac aactccaggg ttgtgttgga atcaggaatc agtcgagaaa 240

agtatcatac ttatgcaagc acagggaaga gccttaaatt tatactggaa aatctaattg 300

aacgtgactc tggggtctat tactgtgcca cctggtgacg taattatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga cgtaattatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4080
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4080
gccttgccag cccgctcaga cgtactctgg acatggcagg tcacctagag caacctcaaa 60

tttccagtac taaaacgctg tcaaaaacag cccgcctgga atgtgtggtg tctggaataa 120

caatttctgc aacatctgta tattggtatc gagagagacc tggtgaagtc atacagttcc 180

tggtgtccat ttcatatgac ggcactgtca gaaaggaatc cggcattccg tcaggcaaat 240

ttgaggtgga taggatacct gaaacgtcta catccactct caccattcac aatgtagaga 300

aacaggacat agctacctac tactgtgcct tgtggtgaac gtactctgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga acgtactctg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4081
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4081
gccttgccag cccgctcagc ttctaagtgg acatgttatc aaaagtggag cagttccagc 60

tatccatttc cacggaagtc aagaaaagta ttgacatacc ttgcaagata tcgagcacaa 120

ggtttgaaac agatgtcatt cactggtacc ggcagaaacc aaatcaggct ttggagcacc 180

tgatctatat tgtctcaaca aaatccgcag ctcgacgcag catgggtaag acaagcaaca 240

aagtggaggc aagaaagaat tctcaaactc tcacttcaat ccttaccatc aagtccgtag 300

agaaagaaga catggccgtt tactactgtg ctgcgtgact tctaagtgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga cttctaagtg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4082
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4082
gccttgccag cccgctcaga ctatgactgg acatggggca gttggaacaa cctgaaatat 60

ctatttccag accagcaaat aagagtgccc acatatcttg gaaggcatcc atccaaggct 120

ttagcagtaa aatcatacac tggtactggc agaaaccaaa caaaggctta gaatatttat 180

tacatgtctt cttgacaatc tctgctcaag attgctcagg tgggaagact aagaaacttg 240

aggtaagtaa aaatgctcac acttccactt ccactttgaa aataaagttc ttagagaaag 300

aagatgaggt ggtgtaccac tgtgcctgct ggatttgaac tatgactgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga actatgactg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4083
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4083
gccttgccag cccgctcagg acgttaatgg acatgtccct gacagctggc tggtggctca 60

tcaggccgga gcagctggcc catgtcctgg ggcactaggg aagcttggtc atcctgcagt 120

gcgtggtccg caccaggatc agctacaccc actggtacca gcagaagggc caggtccctg 180

aggcactcca ccagctggcc atgtccaagt tggatgtgca gtgggattcc atcctgaaag 240

cagataaaat catagccaag gatggcagca gctctatctt ggcagtactg aagttggaga 300

caggcatcga gggcatgaac tactgcacaa cctggtgaga cgttaatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga gacgttaatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4084
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4084
gccttgccag cccgctcaga caagatatgg acatggcaat aaaaaatgtc aactacattt 60

ttgtcaacag agcaacagat aaaagtgtct aggtatcttg tgtggtgtcc actgaagact 120

ttgtaaatat agttatacac tggtaccagc agaaactgaa tctaaattat gagccatctg 180

acaactatca cttcaataac aagccccagt tcgagtttgc ttaggtgaga aaaacaagaa 240

acttgaggca agaacaaatt ttcaaatgtc tacttcagtc tttaccataa acttcatagg 300

aaaggaagat gaggccattt actactgcac tgctttgaac aagatatgga catggtcgac 360

agtgattgga tcaagacgtt tgcaaaaggg actaggctca tagtaacttc gcctggtaag 420

taatttttt tctgttttta ttccagtaat gaaaaactga acaagatatg gacatgctga 480

tggcgcgagg gaggc 495

<210> 4085
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4085
gcctccctcg cgccatcaga gagtgtcctt ggttacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc agagtgtcct tggttactga 480

gcgggctggc aaggc 495

<210> 4086
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4086
gcctccctcg cgccatcaga gagtgtcacc tcttgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc agagtgtcac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4087
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4087
gcctccctcg cgccatcaga gagtgtcctg attctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc agagtgtcct gattctctga 480

gcgggctggc aaggc 495

<210> 4088
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4088
gcctccctcg cgccatcaga gagtgtcagt accgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc agagtgtcag taccgactga 480

gcgggctggc aaggc 495

<210> 4089
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4089
gcctccctcg cgccatcaga gagtgtcatc catggcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc agagtgtcat ccatggctga 480

gcgggctggc aaggc 495

<210> 4090
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4090
gcctccctcg cgccatcaga gagtgtcgta gcagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc agagtgtcgt agcagtctga 480

gcgggctggc aaggc 495

<210> 4091
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4091
gcctccctcg cgccatcaga gagtgtcatc ttcgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc agagtgtcat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4092
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4092
gcctccctcg cgccatcaga gagtgtctcc acagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc agagtgtctc cacagtctga 480

gcgggctggc aaggc 495

<210> 4093
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4093
gcctccctcg cgccatcaga gagtgtcagc tagtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc agagtgtcag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4094
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4094
gcctccctcg cgccatcaga gagtgtctaa ccaagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc agagtgtcta accaagctga 480

gcgggctggc aaggc 495

<210> 4095
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4095
gcctccctcg cgccatcaga gagtgtccaa gaggtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc agagtgtcca agaggtctga 480

gcgggctggc aaggc 495

<210> 4096
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4096
gcctccctcg cgccatcaga gagtgtcagt tgacccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa agagtgtcag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4097
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4097
gcctccctcg cgccatcaga gagtgtccag catatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa agagtgtcca gcatatctga 480

gcgggctggc aaggc 495

<210> 4098

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4098
gcctccctcg cgccatcaga gagtgtcgca ggattcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa agagtgtcgc aggattctga 480

gcgggctggc aaggc 495

<210> 4099
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4099
gcctccctcg cgccatcaga gagtgtcgtc cattccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcgt ccattcctga 480

gcgggctggc aaggc 495

<210> 4100
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4100
gcctccctcg cgccatcaga gagtgtcgca taactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac agagtgtcgc ataactctga 480

gcgggctggc aaggc 495

<210> 4101
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4101
gcctccctcg cgccatcaga gagtgtcata tgctgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcat atgctgctga 480

gcgggctggc aaggc 495

<210> 4102
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4102
gcctccctcg cgccatcaga gagtgtcaat cctgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc agagtgtcaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4103
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4103
gcctccctcg cgccatcaga gagtgtctga gacctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg agagtgtctg agacctctga 480

gcgggctggc aaggc 495

<210> 4104
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4104
gcctccctcg cgccatcaga gagtgtcgaa tggaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcga atggacctga 480

gcgggctggc aaggc 495

<210> 4105
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4105
gcctccctcg cgccatcaga gagtgtccac atggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcca catggactga 480

gcgggctggc aaggc 495

<210> 4106
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4106
gcctccctcg cgccatcaga gagtgtcttg accatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtctt gaccatctga 480

gcgggctggc aaggc 495

<210> 4107
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4107
gcctccctcg cgccatcaga gagtgtcaag ccatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc agagtgtcaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4108
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4108
gcctccctcg cgccatcaga gagtgtctcc atgtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtctc catgtgctga 480

gcgggctggc aaggc 495

<210> 4109
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4109
gcctccctcg cgccatcaga gagtgtccaa gtcaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcca agtcacctga 480

gcgggctggc aaggc 495

<210> 4110
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4110
gcctccctcg cgccatcaga gagtgtcctg caatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtcct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4111
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4111
gcctccctcg cgccatcaga gagtgtcatc gacgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcat cgacgactga 480

gcgggctggc aaggc 495

<210> 4112
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4112
gcctccctcg cgccatcaga gagtgtcaca gactgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa agagtgtcac agactgctga 480

gcgggctggc aaggc 495

<210> 4113
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4113
gcctccctcg cgccatcaga gagtgtccct tatagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac agagtgtccc ttatagctga 480

gcgggctggc aaggc 495

<210> 4114
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4114
gcctccctcg cgccatcaga gagtgtctac gcgttcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc agagtgtcta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4115
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4115
gcctccctcg cgccatcaga gagtgtccta taaggcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg agagtgtcct ataaggctga 480

gcgggctggc aaggc 495

<210> 4116
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4116
gcctccctcg cgccatcaga gagtgtctct tagtccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc agagtgtctc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4117
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4117
gcctccctcg cgccatcaga gagtgtctgt ctgcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc agagtgtctg tctgcactga 480

gcgggctggc aaggc 495

<210> 4118
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4118
gcctccctcg cgccatcaga gagtgtcgcc attaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc agagtgtcgc cattaactga 480

gcgggctggc aaggc 495

<210> 4119
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4119
gcctccctcg cgccatcaga gagtgtcgac taagacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg agagtgtcga ctaagactga 480

gcgggctggc aaggc 495

<210> 4120
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4120
gcctccctcg cgccatcaga gagtgtcagg ttgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg agagtgtcag gttgctctga 480

gcgggctggc aaggc 495

<210> 4121

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4121
gcctccctcg cgccatcaga gagtgtcctc gagaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc agagtgtcct cgagaactga 480

gcgggctggc aaggc 495

<210> 4122
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4122
gcctccctcg cgccatcaga gagtgtctta atggccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc agagtgtctt aatggcctga 480

gcgggctggc aaggc 495

<210> 4123
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4123
gcctccctcg cgccatcaga gagtgtctgc agacacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa agagtgtctg cagacactga 480

gcgggctggc aaggc 495

<210> 4124
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4124
gcctccctcg cgccatcaga gagtgtctca ctgagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt agagtgtctc actgagctga 480

gcgggctggc aaggc 495

<210> 4125
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4125
gcctccctcg cgccatcaga gagtgtcgag tacgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac agagtgtcga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4126
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4126
gcctccctcg cgccatcaga gagtgtcata cgccacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac agagtgtcat acgccactga 480

gcgggctggc aaggc 495

<210> 4127
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4127
gcctccctcg cgccatcaga gagtgtctcg catcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac agagtgtctc gcatcactga 480

gcgggctggc aaggc 495

<210> 4128
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4128
gcctccctcg cgccatcaga gagtgtccgc ttaatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac agagtgtccg cttaatctga 480

gcgggctggc aaggc 495

<210> 4129
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4129
gcctccctcg cgccatcaga gagtgtctgg ttatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt agagtgtctg gttatcctga 480

gcgggctggc aaggc 495

<210> 4130
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4130
gcctccctcg cgccatcaga gagtgtcgga ttgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac agagtgtcgg attgctctga 480

gcgggctggc aaggc 495

<210> 4131
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4131
gcctccctcg cgccatcaga gagtgtcctc agtgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt agagtgtcct cagtgactga 480

gcgggctggc aaggc 495

<210> 4132
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4132
gcctccctcg cgccatcaga gagtgtcacg tactccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac agagtgtcac gtactcctga 480

gcgggctggc aaggc 495

<210> 4133
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4133
gcctccctcg cgccatcaga gagtgtctga tgcgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc agagtgtctg atgcgactga 480

gcgggctggc aaggc 495

<210> 4134
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4134
gcctccctcg cgccatcaga gagtgtcatt aagcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc agagtgtcat taagcgctga 480

gcgggctggc aaggc 495

<210> 4135
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4135
gcctccctcg cgccatcaga gagtgtcagc aatcccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc agagtgtcag caatccctga 480

gcgggctggc aaggc 495

<210> 4136
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4136
gcctccctcg cgccatcaga gagtgtcgct tagtacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga agagtgtcgc ttagtactga 480

gcgggctggc aaggc 495

<210> 4137
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4137
gcctccctcg cgccatcaga gagtgtctga ccttgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc agagtgtctg accttgctga 480

gcgggctggc aaggc 495

<210> 4138
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4138
gcctccctcg cgccatcaga gagtgtccaa ggtcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc agagtgtcca aggtcactga 480

gcgggctggc aaggc 495

<210> 4139
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4139
gcctccctcg cgccatcaga gagtgtccac tgtaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc agagtgtcca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4140
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4140
gcctccctcg cgccatcaga gagtgtcgat gatcccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg agagtgtcga tgatccctga 480

gcgggctggc aaggc 495

<210> 4141
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4141
gcctccctcg cgccatcaga gagtgtccgc caatacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg agagtgtccg ccaatactga 480

gcgggctggc aaggc 495

<210> 4142
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4142
gcctccctcg cgccatcaga gagtgtctca agcctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca agagtgtctc aagcctctga 480

gcgggctggc aaggc 495

<210> 4143
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4143
gcctccctcg cgccatcaga gagtgtcacg tgtgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag agagtgtcac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4144

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4144
gcctccctcg cgccatcaga gagtgtctcc gtctacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag agagtgtctc cgtctactga 480

gcgggctggc aaggc 495

<210> 4145
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4145
gcctccctcg cgccatcaga gagtgtcaag agctgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg agagtgtcaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4146
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4146
gcctccctcg cgccatcaga gagtgtctat cgctccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag agagtgtcta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4147
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4147
gcctccctcg cgccatcaga gagtgtctca gatgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc agagtgtctc agatgcctga 480

gcgggctggc aaggc 495

<210> 4148
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4148
gcctccctcg cgccatcaga gagtgtcgtg tagcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg agagtgtcgt gtagcactga 480

gcgggctggc aaggc 495

<210> 4149
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4149
gcctccctcg cgccatcaga gagtgtctgg cagttcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg agagtgtctg gcagttctga 480

gcgggctggc aaggc 495

<210> 4150
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4150
gcctccctcg cgccatcaga gagtgtccag tccaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac agagtgtcca gtccaactga 480

gcgggctggc aaggc 495

<210> 4151
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4151
gcctccctcg cgccatcaga gagtgtcgtg tctaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg agagtgtcgt gtctacctga 480

gcgggctggc aaggc 495

<210> 4152
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4152
gcctccctcg cgccatcaga gagtgtcgta cagtgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct gggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag agagtgtcgt acagtgctga 480

gcgggctggc aaggc 495

<210> 4153
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4153
gcctccctcg cgccatcaga gagtgtcgga tcatccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag agagtgtcgg atcatcctga 480

gcgggctggc aaggc 495

<210> 4154
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4154
gcctccctcg cgccatcaga gagtgtctat tggcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca agagtgtcta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4155
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4155
gcctccctcg cgccatcaga gagtgtcagg cttgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac agagtgtcag gcttgactga 480

gcgggctggc aaggc 495

<210> 4156
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4156
gcctccctcg cgccatcaga gagtgtcaca cacgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat agagtgtcac acacgtctga 480

gcgggctggc aaggc 495

<210> 4157
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4157
gcctccctcg cgccatcaga gagtgtctag acggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga agagtgtcta gacggactga 480

gcgggctggc aaggc 495

<210> 4158
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4158
gcctccctcg cgccatcaga gagtgtcgag cgatacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt agagtgtcga gcgatactga 480

gcgggctggc aaggc 495

<210> 4159
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4159
gcctccctcg cgccatcaga gagtgtcgca tctgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca agagtgtcgc atctgactga 480

gcgggctggc aaggc 495

<210> 4160
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4160
gcctccctcg cgccatcaga gagtgtctgc tacaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg agagtgtctg ctacacctga 480

gcgggctggc aaggc 495

<210> 4161
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4161
gcctccctcg cgccatcaga gagtgtcaac tgccacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt agagtgtcaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4162
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4162
gcctccctcg cgccatcaga gagtgtcttg gactgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg agagtgtctt ggactgctga 480

gcgggctggc aaggc 495

<210> 4163
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4163
gcctccctcg cgccatcaga gagtgtctcg gtactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cggtacttca cagtaataaa cggaatttтc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg agagtgtctc ggtactctga 480

gcgggctggc aaggc 495

<210> 4164
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4164
gcctccctcg cgccatcaga gagtgtccca tggatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac agagtgtccc atggatctga 480

gcgggctggc aaggc 495

<210> 4165
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4165
gcctccctcg cgccatcaga gagtgtcacg aagatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa agagtgtcac gaagatctga 480

gcgggctggc aaggc 495

<210> 4166
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4166
gcctccctcg cgccatcaga gagtgtcact gtggacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt agagtgtcac tgtggactga 480

gcgggctggc aaggc 495

<210> 4167

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4167
gcctccctcg cgccatcaga gagtgtcggt gtcatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct agagtgtcgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4168
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4168
gcctccctcg cgccatcaga gagtgtctcg tgaagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg agagtgtctc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4169
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4169
gcctccctcg cgccatcaga gagtgtccac tagctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa agagtgtcca ctagctctga 480

gcgggctggc aaggc 495

<210> 4170
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4170
gcctccctcg cgccatcaga gagtgtcggt caactcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga agagtgtcgg tcaactctga 480

gcgggctggc aaggc 495

<210> 4171
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4171
gcctccctcg cgccatcaga gagtgtctac gtacgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc agagtgtcta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4172
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4172
gcctccctcg cgccatcaga gagtgtcatg acacccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg agagtgtcat gacaccctga 480

gcgggctggc aaggc 495

<210> 4173
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4173
gcctccctcg cgccatcaga gagtgtcctt cacgacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac agagtgtcct tcacgactga 480

gcgggctggc aaggc 495

<210> 4174
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4174
gcctccctcg cgccatcaga gagtgtcaga atcagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc agagtgtcag aatcagctga 480

gcgggctggc aaggc 495

<210> 4175
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4175
gcctccctcg cgccatcaga gagtgtcagt tatgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa agagtgtcag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4176
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4176
gcctccctcg cgccatcaga gagtgtcagg tctcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc agagtgtcag gtctcactga 480

gcgggctggc aaggc 495

<210> 4177
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4177
gcctccctcg cgccatcaga gagtgtcgtc atagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt agagtgtcgt catagtctga 480

gcgggctggc aaggc 495

<210> 4178
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4178
gcctccctcg cgccatcaga gagtgtcgtg acttgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg agagtgtcgt gacttgctga 480

gcgggctggc aaggc 495

<210> 4179
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4179
gcctccctcg cgccatcaga gagtgtcgat tgcagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc agagtgtcga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4180
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4180
gcctccctcg cgccatcaga gagtgtcact atgaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac agagtgtcac tatgacctga 480

gcgggctggc aaggc 495

<210> 4181
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4181
gcctccctcg cgccatcaga gagtgtcatg gtcaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac agagtgtcat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4182
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4182
gcctccctcg cgccatcaga gagtgtcgat ggcttcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac agagtgtcga tggcttctga 480

gcgggctggc aaggc 495

<210> 4183
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4183
gcctccctcg cgccatcaga gagtgtcagc atatgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac agagtgtcag catatgctga 480

gcgggctggc aaggc 495

<210> 4184
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4184
gcctccctcg cgccatcaga gagtgtccat atgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg agagtgtcca tatgctctga 480

gcgggctggc aaggc 495

<210> 4185
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4185
gcctccctcg cgccatcaga gagtgtctcg tcgatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc agagtgtctc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4186
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4186
gcctccctcg cgccatcaga gagtgtccag tctgtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc agagtgtcca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4187
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4187
gcctccctcg cgccatcaga gagtgtcaac gcgtacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg agagtgtcaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4188
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4188
gcctccctcg cgccatcaga gagtgtcgta gttcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc agagtgtcgt agttcgctga 480

gcgggctggc aaggc 495

<210> 4189
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4189
gcctccctcg cgccatcaga gagtgtccga actaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac agagtgtccg aactacctga 480

gcgggctggc aaggc 495

<210> 4190

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4190
gcctccctcg cgccatcaga gagtgtctta acgtccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc agagtgtctt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4191
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4191
gcctccctcg cgccatcaga gagtgtcagc aacctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac agagtgtcag caacctctga 480

gcgggctggc aaggc 495

<210> 4192
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4192
gcctccctcg cgccatcaga gagtgtcttc tcgagcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt agagtgtctt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4193
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4193
gcctccctcg cgccatcaga gagtgtcact ctacgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac agagtgtcac tctacgctga 480

gcgggctggc aaggc 495

<210> 4194
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4194
gcctccctcg cgccatcaga gagtgtctac cggaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc agagtgtcta ccggaactga 480

gcgggctggc aaggc 495

<210> 4195
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4195
gcctccctcg cgccatcaga gagtgtccga attgccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac agagtgtccg aattgcctga 480

gcgggctggc aaggc 495

<210> 4196
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4196
gcctccctcg cgccatcaga gagtgtcttc gctcacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca agagtgtctt cgctcactga 480

gcgggctggc aaggc 495

<210> 4197
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4197
gcctccctcg cgccatcaga gagtgtcgac gttaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg agagtgtcga cgttaactga 480

gcgggctggc aaggc 495

<210> 4198
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4198
gcctccctcg cgccatcaga gagtgtccgt agagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc agagtgtccg tagagtctga 480

gcgggctggc aaggc 495

<210> 4199
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4199
gcctccctcg cgccatcaga gagtgtcttc cggtacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc agagtgtctt ccggtactga 480

gcgggctggc aaggc 495

<210> 4200
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4200
gcctccctcg cgccatcaga gagtgtcgca attcgcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac agagtgtcgc aattcgctga 480

gcgggctggc aaggc 495

<210> 4201
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4201
gcctccctcg cgccatcaga gagtgtctga gcgaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc agagtgtctg agcgaactga 480

gcgggctggc aaggc 495

<210> 4202
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4202
gcctccctcg cgccatcaga gagtgtctac taagccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc agagtgtcta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4203
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4203
gcctccctcg cgccatcaga gagtgtctgg cgtatcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtct ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt agagtgtctg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4204
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4204
gcctccctcg cgccatcaga gagtgtcgat aaccacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg agagtgtcga taaccactga 480

gcgggctggc aaggc 495

<210> 4205
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4205
gcctccctcg cgccatcaga gagtgtccta gtgaacttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag agagtgtcct agtgaactga 480

gcgggctggc aaggc 495

<210> 4206
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4206
gcctccctcg cgccatcaga gagtgtcacg ttcaccttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt agagtgtcac gttcacctga 480

gcgggctggc aaggc 495

<210> 4207
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4207
gcctccctcg cgccatcaga gagtgtcatt acgctcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcaagagtgt 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 4208
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4208
gcctccctcg cgccatcaga gagtgtccat tgagtcttgc ctggcccagt acacctggct 60

ccccgctatc cccagacagc agactcacct gaggagacgg tgaccagggt gccctggccc 120

cagtgctgga agtatgtcga cagagtgtcc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc agagtgtcca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4209
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4209
gcctccctcg cgccatcagg ttccgaactt ggttatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gttccgaact tggttactga 480

gcgggctggc aaggc 495

<210> 4210
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4210
gcctccctcg cgccatcagg ttccgaaacc tcttgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gttccgaaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4211
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4211
gcctccctcg cgccatcagg ttccgaactg attcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gttccgaact gattctctga 480

gcgggctggc aaggc 495

<210> 4212
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4212
gcctccctcg cgccatcagg ttccgaaagt accgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gttccgaaag taccgactga 480

gcgggctggc aaggc 495

<210> 4213
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4213
gcctccctcg cgccatcagg ttccgaaatc catggtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gttccgaaat ccatggctga 480

gcgggctggc aaggc 495

<210> 4214
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4214
gcctccctcg cgccatcagg ttccgaagta gcagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gttccgaagt agcagtctga 480

gcgggctggc aaggc 495

<210> 4215
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4215
gcctccctcg cgccatcagg ttccgaaatc ttcgttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gttccgaaat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4216
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4216
gcctccctcg cgccatcagg ttccgaatcc acagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gttccgaatc cacagtctga 480

gcgggctggc aaggc 495

<210> 4217
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4217
gcctccctcg cgccatcagg ttccgaaagc tagtgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gttccgaaag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4218
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4218
gcctccctcg cgccatcagg ttccgaataa ccaagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gttccgaata accaagctga 480

gcgggctggc aaggc 495

<210> 4219
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4219
gcctccctcg cgccatcagg ttccgaacaa gaggttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gttccgaaca agaggtctga 480

gcgggctggc aaggc 495

<210> 4220
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4220
gcctccctcg cgccatcagg ttccgaaagt tgacctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gttccgaaag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4221
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4221
gcctccctcg cgccatcagg ttccgaacag catattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gttccgaaca gcatatctga 480

gcgggctggc aaggc 495

<210> 4222
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4222
gcctccctcg cgccatcagg ttccgaagca ggatttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gttccgaagc aggattctga 480

gcgggctggc aaggc 495

<210> 4223
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4223
gcctccctcg cgccatcagg ttccgaagtc cattctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaagt ccattcctga 480

gcgggctggc aaggc 495

<210> 4224
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4224
gcctccctcg cgccatcagg ttccgaagca taacttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gttccgaagc ataactctga 480

gcgggctggc aaggc 495

<210> 4225
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4225
gcctccctcg cgccatcagg ttccgaaata tgctgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaaat atgctgctga 480

gcgggctggc aaggc 495

<210> 4226
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4226
gcctccctcg cgccatcagg ttccgaaaat cctgctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gttccgaaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4227
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4227
gcctccctcg cgccatcagg ttccgaatga gaccttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gttccgaatg agacctctga 480

gcgggctggc aaggc 495

<210> 4228
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4228
gcctccctcg cgccatcagg ttccgaagaa tggactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaga atggacctga 480

gcgggctggc aaggc 495

<210> 4229
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4229
gcctccctcg cgccatcagg ttccgaacac atggatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaca catggactga 480

gcgggctggc aaggc 495

<210> 4230
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4230
gcctccctcg cgccatcagg ttccgaattg accattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaatt gaccatctga 480

gcgggctggc aaggc 495

<210> 4231
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4231
gcctccctcg cgccatcagg ttccgaaaag ccatctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gttccgaaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4232
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4232
gcctccctcg cgccatcagg ttccgaatcc atgtgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaatc catgtgctga 480

gcgggctggc aaggc 495

<210> 4233
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4233
gcctccctcg cgccatcagg ttccgaacaa gtcactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaaca agtcacctga 480

gcgggctggc aaggc 495

<210> 4234
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4234
gcctccctcg cgccatcagg ttccgaactg caatctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaact gcaatcctga 480

gcgggctggc aaggc 495

<210> 4235
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4235
gcctccctcg cgccatcagg ttccgaaatc gacgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaaat cgacgactga 480

gcgggctggc aaggc 495

<210> 4236
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4236
gcctccctcg cgccatcagg ttccgaaaca gactgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gttccgaaac agactgctga 480

gcgggctggc aaggc 495

<210> 4237
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4237
gcctccctcg cgccatcagg ttccgaacct tatagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gttccgaacc ttatagctga 480

gcgggctggc aaggc 495

<210> 4238
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4238
gcctccctcg cgccatcagg ttccgaatac gcgtttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gttccgaata cgcgttctga 480

gcgggctggc aaggc 495

<210> 4239
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4239
gcctccctcg cgccatcagg ttccgaacta taaggtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gttccgaact ataaggctga 480

gcgggctggc aaggc 495

<210> 4240
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4240
gcctccctcg cgccatcagg ttccgaatct tagtctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gttccgaatc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4241
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4241
gcctccctcg cgccatcagg ttccgaatgt ctgcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gttccgaatg tctgcactga 480

gcgggctggc aaggc 495

<210> 4242
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4242
gcctccctcg cgccatcagg ttccgaagcc attaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gttccgaagc cattaactga 480

gcgggctggc aaggc 495

<210> 4243
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4243
gcctccctcg cgccatcagg ttccgaagac taagatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gttccgaaga ctaagactga 480

gcgggctggc aaggc 495

<210> 4244
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4244
gcctccctcg cgccatcagg ttccgaaagg ttgcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agcccttttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gttccgaaag gttgctctga 480

gcgggctggc aaggc 495

<210> 4245
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4245
gcctccctcg cgccatcagg ttccgaactc gagaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gttccgaact cgagaactga 480

gcgggctggc aaggc 495

<210> 4246
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4246
gcctccctcg cgccatcagg ttccgaatta atggctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gttccgaatt aatggcctga 480

gcgggctggc aaggc 495

<210> 4247
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4247
gcctccctcg cgccatcagg ttccgaatgc agacatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gttccgaatg cagacactga 480

gcgggctggc aaggc 495

<210> 4248
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4248
gcctccctcg cgccatcagg ttccgaatca ctgagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gttccgaatc actgagctga 480

gcgggctggc aaggc 495

<210> 4249
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4249
gcctccctcg cgccatcagg ttccgaagag tacgttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gttccgaaga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4250
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4250
gcctccctcg cgccatcagg ttccgaaata cgccatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gttccgaaat acgccactga 480

gcgggctggc aaggc 495

<210> 4251
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4251
gcctccctcg cgccatcagg ttccgaatcg catcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gttccgaatc gcatcactga 480

gcgggctggc aaggc 495

<210> 4252
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4252
gcctccctcg cgccatcagg ttccgaacgc ttaattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gttccgaacg cttaatctga 480

gcgggctggc aaggc 495

<210> 4253
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4253
gcctccctcg cgccatcagg ttccgaatgg ttatctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gttccgaatg gttatcctga 480

gcgggctggc aaggc 495

<210> 4254
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4254
gcctccctcg cgccatcagg ttccgaagga ttgcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gttccgaagg attgctctga 480

gcgggctggc aaggc 495

<210> 4255
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4255
gcctccctcg cgccatcagg ttccgaactc agtgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gttccgaact cagtgactga 480

gcgggctggc aaggc 495

<210> 4256
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4256
gcctccctcg cgccatcagg ttccgaaacg tactctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gttccgaaac gtactcctga 480

gcgggctggc aaggc 495

<210> 4257
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4257
gcctccctcg cgccatcagg ttccgaatga tgcgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gttccgaatg atgcgactga 480

gcgggctggc aaggc 495

<210> 4258
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4258
gcctccctcg cgccatcagg ttccgaaatt aagcgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gttccgaaat taagcgctga 480

gcgggctggc aaggc 495

<210> 4259
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4259
gcctccctcg cgccatcagg ttccgaaagc aatcctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gttccgaaag caatccctga 480

gcgggctggc aaggc 495

<210> 4260
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4260
gcctccctcg cgccatcagg ttccgaagct tagtatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gttccgaagc ttagtactga 480

gcgggctggc aaggc 495

<210> 4261
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4261
gcctccctcg cgccatcagg ttccgaatga ccttgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gttccgaatg accttgctga 480

gcgggctggc aaggc 495

<210> 4262
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4262
gcctccctcg cgccatcagg ttccgaacaa ggtcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gttccgaaca aggtcactga 480

gcgggctggc aaggc 495

<210> 4263
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4263
gcctccctcg cgccatcagg ttccgaacac tgtactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gttccgaaca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4264
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4264
gcctccctcg cgccatcagg ttccgaagat gatcctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gttccgaaga tgatccctga 480

gcgggctggc aaggc 495

<210> 4265
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4265
gcctccctcg cgccatcagg ttccgaacgc caatatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gttccgaacg ccaatactga 480

gcgggctggc aaggc 495

<210> 4266
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4266
gcctccctcg cgccatcagg ttccgaatca agccttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gttccgaatc aagcctctga 480

gcgggctggc aaggc 495

<210> 4267
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4267
gcctccctcg cgccatcagg ttccgaaacg tgtgttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gttccgaaac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4268
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4268
gcctccctcg cgccatcagg ttccgaatcc gtctatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gttccgaatc cgtctactga 480

gcgggctggc aaggc 495

<210> 4269
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4269
gcctccctcg cgccatcagg ttccgaaaag agctgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gttccgaaaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4270
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4270
gcctccctcg cgccatcagg ttccgaatat cgctctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gttccgaata tcgctcctga 480

gcgggctggc aaggc 495

<210> 4271
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4271
gcctccctcg cgccatcagg ttccgaatca gatgctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gttccgaatc agatgcctga 480

gcgggctggc aaggc 495

<210> 4272
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4272
gcctccctcg cgccatcagg ttccgaagtg tagcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gttccgaagt gtagcactga 480

gcgggctggc aaggc 495

<210> 4273
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4273
gcctccctcg cgccatcagg ttccgaatgg cagtttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gttccgaatg gcagttctga 480

gcgggctggc aaggc 495

<210> 4274
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4274
gcctccctcg cgccatcagg ttccgaacag tccaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gttccgaaca gtccaactga 480

gcgggctggc aaggc 495

<210> 4275
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4275
gcctccctcg cgccatcagg ttccgaagtg tctactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gttccgaagt gtctacctga 480

gcgggctggc aaggc 495

<210> 4276
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4276
gcctccctcg cgccatcagg ttccgaagta cagtgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gttccgaagt acagtgctga 480

gcgggctggc aaggc 495

<210> 4277
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4277
gcctccctcg cgccatcagg ttccgaagga tcatctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gttccgaagg atcatcctga 480

gcgggctggc aaggc 495

<210> 4278
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4278
gcctccctcg cgccatcagg ttccgaatat tggcgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gttccgaata ttggcgctga 480

gcgggctggc aaggc 495

<210> 4279
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4279
gcctccctcg cgccatcagg ttccgaaagg cttgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gttccgaaag gcttgactga 480

gcgggctggc aaggc 495

<210> 4280
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4280
gcctccctcg cgccatcagg ttccgaaaca cacgttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gttccgaaac acacgtctga 480

gcgggctggc aaggc 495

<210> 4281
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4281
gcctccctcg cgccatcagg ttccgaatag acggatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gttccgaata gacggactga 480

gcgggctggc aaggc 495

<210> 4282
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4282
gcctccctcg cgccatcagg ttccgaagag cgatatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gttccgaaga gcgatactga 480

gcgggctggc aaggc 495

<210> 4283
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4283
gcctccctcg cgccatcagg ttccgaagca tctgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gttccgaagc atctgactga 480

gcgggctggc aaggc 495

<210> 4284
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4284
gcctccctcg cgccatcagg ttccgaatgc tacactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gttccgaatg ctacacctga 480

gcgggctggc aaggc 495

<210> 4285
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4285
gcctccctcg cgccatcagg ttccgaaaac tgccatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gttccgaaaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4286
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4286
gcctccctcg cgccatcagg ttccgaattg gactgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gttccgaatt ggactgctga 480

gcgggctggc aaggc 495

<210> 4287
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4287
gcctccctcg cgccatcagg ttccgaatcg gtacttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gttccgaatc ggtactctga 480

gcgggctggc aaggc 495

<210> 4288
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4288
gcctccctcg cgccatcagg ttccgaacca tggattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gttccgaacc atggatctga 480

gcgggctggc aaggc 495

<210> 4289
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4289
gcctccctcg cgccatcagg ttccgaaacg aagattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gttccgaaac gaagatctga 480

gcgggctggc aaggc 495

<210> 4290
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4290
gcctccctcg cgccatcagg ttccgaaact gtggatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gttccgaaac tgtggactga 480

gcgggctggc aaggc 495

<210> 4291
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4291
gcctccctcg cgccatcagg ttccgaaggt gtcattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gttccgaagg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4292
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4292
gcctccctcg cgccatcagg ttccgaatcg tgaagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gttccgaatc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4293
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4293
gcctccctcg cgccatcagg ttccgaacac tagcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gttccgaaca ctagctctga 480

gcgggctggc aaggc 495

<210> 4294
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4294
gcctccctcg cgccatcagg ttccgaaggt caacttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gttccgaagg tcaactctga 480

gcgggctggc aaggc 495

<210> 4295
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4295
gcctccctcg cgccatcagg ttccgaatac gtacgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gttccgaata cgtacgctga 480

gcgggctggc aaggc 495

<210> 4296
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4296
gcctccctcg cgccatcagg ttccgaaatg acacctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gttccgaaat gacaccctga 480

gcgggctggc aaggc 495

<210> 4297
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4297
gcctccctcg cgccatcagg ttccgaactt cacgatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gttccgaact tcacgactga 480

gcgggctggc aaggc 495

<210> 4298
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4298
gcctccctcg cgccatcagg ttccgaaaga atcagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gttccgaaag aatcagctga 480

gcgggctggc aaggc 495

<210> 4299
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4299
gcctccctcg cgccatcagg ttccgaaagt tatgctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gttccgaaag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4300
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4300
gcctccctcg cgccatcagg ttccgaaagg tctcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gttccgaaag gtctcactga 480

gcgggctggc aaggc 495

<210> 4301
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4301
gcctccctcg cgccatcagg ttccgaagtc atagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt gttccgaagt catagtctga 480

gcgggctggc aaggc 495

<210> 4302
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4302
gcctccctcg cgccatcagg ttccgaagtg acttgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gttccgaagt gacttgctga 480

gcgggctggc aaggc 495

<210> 4303
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4303
gcctccctcg cgccatcagg ttccgaagat tgcagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gttccgaaga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4304
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4304
gcctccctcg cgccatcagg ttccgaaact atgactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gttccgaaac tatgacctga 480

gcgggctggc aaggc 495

<210> 4305
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4305
gcctccctcg cgccatcagg ttccgaaatg gtcaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gttccgaaat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4306
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4306
gcctccctcg cgccatcagg ttccgaagat ggctttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gttccgaaga tggcttctga 480

gcgggctggc aaggc 495

<210> 4307
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4307
gcctccctcg cgccatcagg ttccgaaagc atatgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gttccgaaag catatgctga 480

gcgggctggc aaggc 495

<210> 4308
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4308
gcctccctcg cgccatcagg ttccgaacat atgcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gttccgaaca tatgctctga 480

gcgggctggc aaggc 495

<210> 4309
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4309
gcctccctcg cgccatcagg ttccgaatcg tcgattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gttccgaatc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4310
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4310
gcctccctcg cgccatcagg ttccgaacag tctgttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gttccgaaca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4311
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4311
gcctccctcg cgccatcagg ttccgaaaac gcgtatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gttccgaaaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4312
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4312
gcctccctcg cgccatcagg ttccgaagta gttcgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gttccgaagt agttcgctga 480

gcgggctggc aaggc 495

<210> 4313
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4313
gcctccctcg cgccatcagg ttccgaacga actactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gttccgaacg aactacctga 480

gcgggctggc aaggc 495

<210> 4314
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4314
gcctccctcg cgccatcagg ttccgaatta acgtctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gttccgaatt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4315
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4315
gcctccctcg cgccatcagg ttccgaaagc aaccttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gttccgaaag caacctctga 480

gcgggctggc aaggc 495

<210> 4316
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4316
gcctccctcg cgccatcagg ttccgaattc tcgagtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gttccgaatt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4317
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4317
gcctccctcg cgccatcagg ttccgaaact ctacgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gttccgaaac tctacgctga 480

gcgggctggc aaggc 495

<210> 4318
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4318
gcctccctcg cgccatcagg ttccgaatac cggaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gttccgaata ccggaactga 480

gcgggctggc aaggc 495

<210> 4319
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4319
gcctccctcg cgccatcagg ttccgaacga attgctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gttccgaacg aattgcctga 480

gcgggctggc aaggc 495

<210> 4320
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4320
gcctccctcg cgccatcagg ttccgaattc gctcatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gttccgaatt cgctcactga 480

gcgggctggc aaggc 495

<210> 4321
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4321
gcctccctcg cgccatcagg ttccgaagac gttaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gttccgaaga cgttaactga 480

gcgggctggc aaggc 495

<210> 4322
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4322
gcctccctcg cgccatcagg ttccgaacgt agagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gttccgaacg tagagtctga 480

gcgggctggc aaggc 495

<210> 4323
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4323
gcctccctcg cgccatcagg ttccgaattc cggtatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gttccgaatt ccggtactga 480

gcgggctggc aaggc 495

<210> 4324
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4324
gcctccctcg cgccatcagg ttccgaagca attcgtggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gttccgaagc aattcgctga 480

gcgggctggc aaggc 495

<210> 4325
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4325
gcctccctcg cgccatcagg ttccgaatga gcgaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gttccgaatg agcgaactga 480

gcgggctggc aaggc 495

<210> 4326
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4326
gcctccctcg cgccatcagg ttccgaatac taagctggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gttccgaata ctaagcctga 480

gcgggctggc aaggc 495

<210> 4327
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4327
gcctccctcg cgccatcagg ttccgaatgg cgtattggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaat ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gttccgaatg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4328
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4328
gcctccctcg cgccatcagg ttccgaagat aaccatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaag ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gttccgaaga taaccactga 480

gcgggctggc aaggc 495

<210> 4329
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4329
gcctccctcg cgccatcagg ttccgaacta gtgaatggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gttccgaact agtgaactga 480

gcgggctggc aaggc 495

<210> 4330
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4330
gcctccctcg cgccatcagg ttccgaaacg ttcactggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gttccgaaac gttcacctga 480

gcgggctggc aaggc 495

<210> 4331
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4331
gcctccctcg cgccatcagg ttccgaaatt acgcttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaaa ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagttccga 420

aattacgctc tgagcgggct ggcaaggc 448

<210> 4332
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4332
gcctccctcg cgccatcagg ttccgaacat tgagttggcc tggtgcctgg acagagaaga 60

ctgggagggg gctgcagtgg gactcacctg aggagacagt gaccagggtg ccacggcccc 120

agagatcgaa gtaccgtcga cgttccgaac attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gttccgaaca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4333
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4333
gcctccctcg cgccatcagc gttacttctt ggttaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc cgttacttct tggttactga 480

gcgggctggc aaggc 495

<210> 4334
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4334
gcctccctcg cgccatcagc gttacttacc tcttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat atttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc cgttacttac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4335
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4335
gcctccctcg cgccatcagc gttacttctg attctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc cgttacttct gattctctga 480

gcgggctggc aaggc 495

<210> 4336
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4336
gcctccctcg cgccatcagc gttacttagt accgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc cgttacttag taccgactga 480

gcgggctggc aaggc 495

<210> 4337
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4337

gcctccctcg cgccatcagc gttacttatc catggccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc cgttacttat ccatggctga 480

gcgggctggc aaggc 495

<210> 4338
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4338
gcctccctcg cgccatcagc gttacttgta gcagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc cgttacttgt agcagtctga 480

gcgggctggc aaggc 495

<210> 4339
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4339
gcctccctcg cgccatcagc gttacttatc ttcgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc cgttacttat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4340
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4340
gcctccctcg cgccatcagc gttactttcc acagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc cgttactttc cacagtctga 480

gcgggctggc aaggc 495

<210> 4341
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4341
gcctccctcg cgccatcagc gttacttagc tagtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc cgttacttag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4342
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4342
gcctccctcg cgccatcagc gttactttaa ccaagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc cgttacttta accaagctga 480

gcgggctggc aaggc 495

<210> 4343
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4343
gcctccctcg cgccatcagc gttacttcaa gaggtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc cgttacttca agaggtctga 480

gcgggctggc aaggc 495

<210> 4344
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4344
gcctccctcg cgccatcagc gttacttagt tgaccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa cgttacttag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4345
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4345
gcctccctcg cgccatcagc gttacttcag catatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa cgttacttca gcatatctga 480

gcgggctggc aaggc 495

<210> 4346
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4346
gcctccctcg cgccatcagc gttacttgca ggattccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa cgttacttgc aggattctga 480

gcgggctggc aaggc 495

<210> 4347
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4347
gcctccctcg cgccatcagc gttacttgtc cattcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttgt ccattcctga 480

gcgggctggc aaggc 495

<210> 4348
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4348
gcctccctcg cgccatcagc gttacttgca taactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac cgttacttgc ataactctga 480

gcgggctggc aaggc 495

<210> 4349
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4349
gcctccctcg cgccatcagc gttacttata tgctgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttat atgctgctga 480

gcgggctggc aaggc 495

<210> 4350
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4350
gcctccctcg cgccatcagc gttacttaat cctgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttacttaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4351
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4351
gcctccctcg cgccatcagc gttactttga gacctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg cgttactttg agacctctga 480

gcgggctggc aaggc 495

<210> 4352
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4352
gcctccctcg cgccatcagc gttacttgaa tggacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttga atggacctga 480

gcgggctggc aaggc 495

<210> 4353
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4353
gcctccctcg cgccatcagc gttacttcac atggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttca catggactga 480

gcgggctggc aaggc 495

<210> 4354
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4354
gcctccctcg cgccatcagc gttacttttg accatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttactttt gaccatctga 480

gcgggctggc aaggc 495

<210> 4355
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4355
gcctccctcg cgccatcagc gttacttaag ccatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc cgttacttaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4356
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4356
gcctccctcg cgccatcagc gttactttcc atgtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttactttc catgtgctga 480

gcgggctggc aaggc 495

<210> 4357
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4357
gcctccctcg cgccatcagc gttacttcaa gtcacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttca agtcacctga 480

gcgggctggc aaggc 495

<210> 4358
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4358
gcctccctcg cgccatcagc gttacttctg caatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttacttct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4359
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4359
gcctccctcg cgccatcagc gttacttatc gacgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttat cgacgactga 480

gcgggctggc aaggc 495

<210> 4360
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4360

gcctccctcg cgccatcagc gttacttaca gactgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa cgttacttac agactgctga 480

gcgggctggc aaggc 495

<210> 4361
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4361
gcctccctcg cgccatcagc gttacttcct atagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac cgttacttcc ttatagctga 480

gcgggctggc aaggc 495

<210> 4362
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4362
gcctccctcg cgccatcagc gttactttac gcgttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc cgttacttta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4363
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4363
gcctccctcg cgccatcagc gttacttcta taaggccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg cgttacttct ataaggctga 480

gcgggctggc aaggc 495

<210> 4364
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4364
gcctccctcg cgccatcagc gttactttct tagtcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc cgttactttc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4365
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4365
gcctccctcg cgccatcagc gttactttgt ctgcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc cgttactttg tctgcactga 480

gcgggctggc aaggc 495

<210> 4366
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4366
gcctccctcg cgccatcagc gttacttgcc attaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc cgttacttgc cattaactga 480

gcgggctggc aaggc 495

<210> 4367
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4367
gcctccctcg cgccatcagc gttacttgac taagaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg cgttacttga ctaagactga 480

gcgggctggc aaggc 495

<210> 4368
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4368
gcctccctcg cgccatcagc gttacttagg ttgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg cgttacttag gttgctctga 480

gcgggctggc aaggc 495

<210> 4369
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4369
gcctccctcg cgccatcagc gttacttctc gagaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc cgttacttct cgagaactga 480

gcgggctggc aaggc 495

<210> 4370
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4370
gcctccctcg cgccatcagc gttactttta atggcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc cgttactttt aatggcctga 480

gcgggctggc aaggc 495

<210> 4371
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4371
gcctccctcg cgccatcagc gttactttgc agacaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa cgttactttg cagacactga 480

gcgggctggc aaggc 495

<210> 4372
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4372
gcctccctcg cgccatcagc gttactttca ctgagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt cgttactttc actgagctga 480

gcgggctggc aaggc 495

<210> 4373
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4373
gcctccctcg cgccatcagc gttacttgag tacgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac cgttacttga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4374
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4374
gcctccctcg cgccatcagc gttacttata cgccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac cgttacttat acgccactga 480

gcgggctggc aaggc 495

<210> 4375
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4375
gcctccctcg cgccatcagc gttactttcg catcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac cgttactttc gcatcactga 480

gcgggctggc aaggc 495

<210> 4376
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4376
gcctccctcg cgccatcagc gttacttcgc ttaatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac cgttacttcg cttaatctga 480

gcgggctggc aaggc 495

<210> 4377
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4377
gcctccctcg cgccatcagc gttactttgg ttatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt cgttactttg gttatcctga 480

gcgggctggc aaggc 495

<210> 4378
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4378
gcctccctcg cgccatcagc gttacttgga ttgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagcccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac cgttacttgg attgctctga 480

gcgggctggc aaggc 495

<210> 4379
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4379
gcctccctcg cgccatcagc gttacttctc agtgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt cgttacttct cagtgactga 480

gcgggctggc aaggc 495

<210> 4380
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4380
gcctccctcg cgccatcagc gttacttacg tactcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac cgttacttac gtactcctga 480

gcgggctggc aaggc 495

<210> 4381
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4381
gcctccctcg cgccatcagc gttactttga tgcgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc cgttactttg atgcgactga 480

gcgggctggc aaggc 495

<210> 4382
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4382
gcctccctcg cgccatcagc gttacttatt aagcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc cgttacttat taagcgctga 480

gcgggctggc aaggc 495

<210> 4383
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4383

gcctccctcg cgccatcagc gttacttagc aatccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc cgttacttag caatccctga 480

gcgggctggc aaggc 495

<210> 4384
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4384
gcctccctcg cgccatcagc gttacttgct tagtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga cgttacttgc ttagtactga 480

gcgggctggc aaggc 495

<210> 4385
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4385
gcctccctcg cgccatcagc gttactttga ccttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc cgttactttg accttgctga 480

gcgggctggc aaggc 495

<210> 4386
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4386
gcctccctcg cgccatcagc gttacttcaa ggtcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc cgttacttca aggtcactga 480

gcgggctggc aaggc 495

<210> 4387
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4387
gcctccctcg cgccatcagc gttacttcac tgtacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc cgttacttca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4388
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4388
gcctccctcg cgccatcagc gttacttgat gatccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg cgttacttga tgatccctga 480

gcgggctggc aaggc 495

<210> 4389
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4389
gcctccctcg cgccatcagc gttacttcgc caataccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg cgttacttcg ccaatactga 480

gcgggctggc aaggc 495

<210> 4390
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4390
gcctccctcg cgccatcagc gttactttca agcctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca cgttactttc aagcctctga 480

gcgggctggc aaggc 495

<210> 4391
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4391
gcctccctcg cgccatcagc gttacttacg tgtgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag cgttacttac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4392
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4392
gcctccctcg cgccatcagc gttactttcc gtctaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag cgttactttc cgtctactga 480

gcgggctggc aaggc 495

<210> 4393
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4393
gcctccctcg cgccatcagc gttacttaag agctgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg cgttacttaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4394
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4394
gcctccctcg cgccatcagc gttactttat cgctcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag cgttacttta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4395
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4395
gcctccctcg cgccatcagc gttactttca gatgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc cgttactttc agatgcctga 480

gcgggctggc aaggc 495

<210> 4396
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4396
gcctccctcg cgccatcagc gttacttgtg tagcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg cgttacttgt gtagcactga 480

gcgggctggc aaggc 495

<210> 4397
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4397
gcctccctcg cgccatcagc gttactttgg cagttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg cgttactttg gcagttctga 480

gcgggctggc aaggc 495

<210> 4398
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4398
gcctccctcg cgccatcagc gttacttcag tccaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac cgttacttca gtccaactga 480

gcgggctggc aaggc 495

<210> 4399
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4399
gcctccctcg cgccatcagc gttacttgtg tctacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg cgttacttgt gtctacctga 480

gcgggctggc aaggc 495

<210> 4400
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4400
gcctccctcg cgccatcagc gttacttgta cagtgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag cgttacttgt acagtgctga 480

gcgggctggc aaggc 495

<210> 4401
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4401
gcctccctcg cgccatcagc gttacttgga tcatcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag cgttacttgg atcatcctga 480

gcgggctggc aaggc 495

<210> 4402
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4402
gcctccctcg cgccatcagc gttactttat tggcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca cgttacttta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4403
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4403
gcctccctcg cgccatcagc gttacttagg cttgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac cgttacttag gcttgactga 480

gcgggctggc aaggc 495

<210> 4404
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4404
gcctccctcg cgccatcagc gttacttaca cacgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat cgttacttac acacgtctga 480

gcgggctggc aaggc 495

<210> 4405
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4405
gcctccctcg cgccatcagc gttactttag acggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga cgttacttta gacggactga 480

gcgggctggc aaggc 495

<210> 4406
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4406

gcctccctcg cgccatcagc gttacttgag cgataccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt cgttacttga gcgatactga 480

gcgggctggc aaggc 495

<210> 4407
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4407
gcctccctcg cgccatcagc gttacttgca tctgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca cgttacttgc atctgactga 480

gcgggctggc aaggc 495

<210> 4408
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4408
gcctccctcg cgccatcagc gttactttgc tacacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg cgttactttg ctacacctga 480

gcgggctggc aaggc 495

<210> 4409
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4409
gcctccctcg cgccatcagc gttacttaac tgccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt cgttacttaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4410
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4410
gcctccctcg cgccatcagc gttacttttg gactgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg cgttactttt ggactgctga 480

gcgggctggc aaggc 495

<210> 4411
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4411
gcctccctcg cgccatcagc gttactttcg gtactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg cgttactttc ggtactctga 480

gcgggctggc aaggc 495

<210> 4412
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4412
gcctccctcg cgccatcagc gttacttcca tggatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac cgttacttcc atggatctga 480

gcgggctggc aaggc 495

<210> 4413
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4413
gcctccctcg cgccatcagc gttacttacg aagatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa cgttacttac gaagatctga 480

gcgggctggc aaggc 495

<210> 4414
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4414
gcctccctcg cgccatcagc gttacttact gtggaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt cgttacttac tgtggactga 480

gcgggctggc aaggc 495

<210> 4415
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4415
gcctccctcg cgccatcagc gttacttggt gtcatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct cgttacttgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4416
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4416
gcctccctcg cgccatcagc gttactttcg tgaagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg cgttactttc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4417
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4417
gcctccctcg cgccatcagc gttacttcac tagctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa cgttacttca ctagctctga 480

gcgggctggc aaggc 495

<210> 4418
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4418
gcctccctcg cgccatcagc gttacttggt caactccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga cgttacttgg tcaactctga 480

gcgggctggc aaggc 495

<210> 4419
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4419
gcctccctcg cgccatcagc gttactttac gtacgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc cgttacttta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4420
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4420
gcctccctcg cgccatcagc gttacttatg acaccccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg cgttacttat gacaccctga 480

gcgggctggc aaggc 495

<210> 4421
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4421
gcctccctcg cgccatcagc gttacttctt cacgaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac cgttacttct tcacgactga 480

gcgggctggc aaggc 495

<210> 4422
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4422
gcctccctcg cgccatcagc gttacttaga atcagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc cgttacttag aatcagctga 480

gcgggctggc aaggc 495

<210> 4423
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4423
gcctccctcg cgccatcagc gttacttagt tatgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa cgttacttag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4424
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4424
gcctccctcg cgccatcagc gttacttagg tctcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc cgttacttag gtctcactga 480

gcgggctggc aaggc 495

<210> 4425
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4425
gcctccctcg cgccatcagc gttacttgtc atagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccag actccaccag ctgcactgtt gtacccaggt cgttacttgt catagtctga 480

gcgggctggc aaggc 495

<210> 4426
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4426
gcctccctcg cgccatcagc gttacttgtg acttgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg cgttacttgt gacttgctga 480

gcgggctggc aaggc 495

<210> 4427
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4427
gcctccctcg cgccatcagc gttacttgat tgcagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc cgttacttga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4428
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4428
gcctccctcg cgccatcagc gttacttact atgacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac cgttacttac tatgacctga 480

gcgggctggc aaggc 495

<210> 4429
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4429

gcctccctcg cgccatcagc gttacttatg gtcaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac cgttacttat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4430
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4430
gcctccctcg cgccatcagc gttacttgat ggcttccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac cgttacttga tggcttctga 480

gcgggctggc aaggc 495

<210> 4431
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4431
gcctccctcg cgccatcagc gttacttagc atatgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac cgttacttag catatgctga 480

gcgggctggc aaggc 495

<210> 4432
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4432
gcctccctcg cgccatcagc gttacttcat atgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg cgttacttca tatgctctga 480

gcgggctggc aaggc 495

<210> 4433
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4433
gcctccctcg cgccatcagc gttactttcg tcgatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc cgttactttc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4434
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4434
gcctccctcg cgccatcagc gttacttcag tctgtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttacttca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4435
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4435
gcctccctcg cgccatcagc gttacttaac gcgtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg cgttacttaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4436
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4436
gcctccctcg cgccatcagc gttacttgta gttcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc cgttacttgt agttcgctga 480

gcgggctggc aaggc 495

<210> 4437
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4437
gcctccctcg cgccatcagc gttacttcga actacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac cgttacttcg aactacctga 480

gcgggctggc aaggc 495

<210> 4438
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4438
gcctccctcg cgccatcagc gttactttta acgtcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc cgttactttt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4439
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4439
gcctccctcg cgccatcagc gttacttagc aacctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac cgttacttag caacctctga 480

gcgggctggc aaggc 495

<210> 4440
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4440
gcctccctcg cgccatcagc gttacttttc tcgagccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt cgttactttt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4441
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4441
gcctccctcg cgccatcagc gttacttact ctacgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac cgttacttac tctacgctga 480

gcgggctggc aaggc 495

<210> 4442
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4442
gcctccctcg cgccatcagc gttactttac cggaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc cgttacttta ccggaactga 480

gcgggctggc aaggc 495

<210> 4443
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4443
gcctccctcg cgccatcagc gttacttcga attgcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac cgttacttcg aattgcctga 480

gcgggctggc aaggc 495

<210> 4444
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4444
gcctccctcg cgccatcagc gttacttttc gctcaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca cgttactttt cgctcactga 480

gcgggctggc aaggc 495

<210> 4445
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4445
gcctccctcg cgccatcagc gttacttgac gttaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg cgttacttga cgttaactga 480

gcgggctggc aaggc 495

<210> 4446
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4446
gcctccctcg cgccatcagc gttacttcgt agagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc cgttacttcg tagagtctga 480

gcgggctggc aaggc 495

<210> 4447
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4447
gcctccctcg cgccatcagc gttacttttc cggtaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc cgttactttt ccggtactga 480

gcgggctggc aaggc 495

<210> 4448
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4448
gcctccctcg cgccatcagc gttacttgca attcgccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac cgttacttgc aattcgctga 480

gcgggctggc aaggc 495

<210> 4449
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4449
gcctccctcg cgccatcagc gttactttga gcgaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc cgttactttg agcgaactga 480

gcgggctggc aaggc 495

<210> 4450
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4450
gcctccctcg cgccatcagc gttactttac taagcccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc cgttacttta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4451
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4451
gcctccctcg cgccatcagc gttactttgg cgtatccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt cgttactttg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4452
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4452

gcctccctcg cgccatcagc gttacttgat aaccaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg cgttacttga taaccactga 480

gcgggctggc aaggc 495

<210> 4453
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4453
gcctccctcg cgccatcagc gttacttcta gtgaaccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag cgttacttct agtgaactga 480

gcgggctggc aaggc 495

<210> 4454
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4454
gcctccctcg cgccatcagc gttacttacg ttcacccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt cgttacttac gttcacctga 480

gcgggctggc aaggc 495

<210> 4455
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4455
gcctccctcg cgccatcagc gttacttatt acgctccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttactta ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcacgttact 420

tattacgctc tgagcgggct ggcaaggc 448

<210> 4456
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4456
gcctccctcg cgccatcagc gttacttcat tgagtccagg acagaggacg ctgggcccag 60

agaaaggagg cagaaggaaa gccatcttac ctgaagagac ggtgaccatt gtcccttggc 120

cccagatatc aaaaggtcga ccgttacttc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc cgttacttca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4457

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4457
gcctccctcg cgccatcagt aggagacctt ggttacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc taggagacct tggttactga 480

gcgggctggc aaggc 495

<210> 4458
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4458
gcctccctcg cgccatcagt aggagacacc tcttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc taggagacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4459
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4459
gcctccctcg cgccatcagt aggagacctg attctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc taggagacct gattctctga 480

gcgggctggc aaggc 495

<210> 4460
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4460
gcctccctcg cgccatcagt aggagacagt accgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc taggagacag taccgactga 480

gcgggctggc aaggc 495

<210> 4461
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4461
gcctccctcg cgccatcagt aggagacatc catggcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc taggagacat ccatggctga 480

gcgggctggc aaggc 495

<210> 4462
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4462
gcctccctcg cgccatcagt aggagacgta gcagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc taggagacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 4463
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4463
gcctccctcg cgccatcagt aggagacatc ttcgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc taggagacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4464
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4464
gcctccctcg cgccatcagt aggagactcc acagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc taggagactc cacagtctga 480

gcgggctggc aaggc 495

<210> 4465
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4465
gcctccctcg cgccatcagt aggagacagc tagtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc taggagacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4466
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4466
gcctccctcg cgccatcagt aggagactaa ccaagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc taggagacta accaagctga 480

gcgggctggc aaggc 495

<210> 4467
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4467
gcctccctcg cgccatcagt aggagaccaa gaggtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc taggagacca agaggtctga 480

gcgggctggc aaggc 495

<210> 4468
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4468
gcctccctcg cgccatcagt aggagacagt tgacccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa taggagacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4469
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4469
gcctccctcg cgccatcagt aggagaccag catatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa taggagacca gcatatctga 480

gcgggctggc aaggc 495

<210> 4470
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4470
gcctccctcg cgccatcagt aggagacgca ggattcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa taggagacgc aggattctga 480

gcgggctggc aaggc 495

<210> 4471
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4471
gcctccctcg cgccatcagt aggagacgtc cattccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 4472
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4472
gcctccctcg cgccatcagt aggagacgca taactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac taggagacgc ataactctga 480

gcgggctggc aaggc 495

<210> 4473
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4473
gcctccctcg cgccatcagt aggagacata tgctgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacat atgctgctga 480

gcgggctggc aaggc 495

<210> 4474
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4474
gcctccctcg cgccatcagt aggagacaat cctgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4475
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4475
gcctccctcg cgccatcagt aggagactga gacctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagactg agacctctga 480

gcgggctggc aaggc 495

<210> 4476
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4476
gcctccctcg cgccatcagt aggagacgaa tggaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacga atggacctga 480

gcgggctggc aaggc 495

<210> 4477
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4477
gcctccctcg cgccatcagt aggagaccac atggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacca catggactga 480

gcgggctggc aaggc 495

<210> 4478
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4478
gcctccctcg cgccatcagt aggagacttg accatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagactt gaccatctga 480

gcgggctggc aaggc 495

<210> 4479
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4479
gcctccctcg cgccatcagt aggagacaag ccatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc taggagacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4480

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4480
gcctccctcg cgccatcagt aggagactcc atgtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagactc catgtgctga 480

gcgggctggc aaggc 495

<210> 4481
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4481
gcctccctcg cgccatcagt aggagaccaa gtcaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacca agtcacctga 480

gcgggctggc aaggc 495

<210> 4482
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4482
gcctccctcg cgccatcagt aggagacctg caatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4483
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4483
gcctccctcg cgccatcagt aggagacatc gacgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacat cgacgactga 480

gcgggctggc aaggc 495

<210> 4484
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4484
gcctccctcg cgccatcagt aggagacaca gactgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa taggagacac agactgctga 480

gcgggctggc aaggc 495

<210> 4485
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4485
gcctccctcg cgccatcagt aggagaccct tatagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac taggagaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 4486
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4486
gcctccctcg cgccatcagt aggagactac gcgttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc taggagacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4487
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4487
gcctccctcg cgccatcagt aggagaccta taaggcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg taggagacct ataaggctga 480

gcgggctggc aaggc 495

<210> 4488
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4488
gcctccctcg cgccatcagt aggagactct tagtccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc taggagactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4489
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4489
gcctccctcg cgccatcagt aggagactgt ctgcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc taggagactg tctgcactga 480

gcgggctggc aaggc 495

<210> 4490
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4490
gcctccctcg cgccatcagt aggagacgcc attaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc taggagacgc cattaactga 480

gcgggctggc aaggc 495

<210> 4491
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4491
gcctccctcg cgccatcagt aggagacgac taagacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagacga ctaagactga 480

gcgggctggc aaggc 495

<210> 4492
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4492
gcctccctcg cgccatcagt aggagacagg ttgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agcccttttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg taggagacag gttgctctga 480

gcgggctggc aaggc 495

<210> 4493
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4493
gcctccctcg cgccatcagt aggagacctc gagaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc taggagacct cgagaactga 480

gcgggctggc aaggc 495

<210> 4494
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4494
gcctccctcg cgccatcagt aggagactta atggccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc taggagactt aatggcctga 480

gcgggctggc aaggc 495

<210> 4495
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4495
gcctccctcg cgccatcagt aggagactgc agacacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa taggagactg cagacactga 480

gcgggctggc aaggc 495

<210> 4496
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4496
gcctccctcg cgccatcagt aggagactca ctgagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt taggagactc actgagctga 480

gcgggctggc aaggc 495

<210> 4497
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4497
gcctccctcg cgccatcagt aggagacgag tacgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac taggagacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4498
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4498
gcctccctcg cgccatcagt aggagacata cgccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac taggagacat acgccactga 480

gcgggctggc aaggc 495

<210> 4499
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4499
gcctccctcg cgccatcagt aggagactcg catcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac taggagactc gcatcactga 480

gcgggctggc aaggc 495

<210> 4500
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4500
gcctccctcg cgccatcagt aggagaccgc ttaatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac taggagaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 4501
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4501
gcctccctcg cgccatcagt aggagactgg ttatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt taggagactg gttatcctga 480

gcgggctggc aaggc 495

<210> 4502
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4502
gcctccctcg cgccatcagt aggagacgga ttgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac taggagacgg attgctctga 480

gcgggctggc aaggc 495

<210> 4503

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4503
gcctccctcg cgccatcagt aggagacctc agtgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt taggagacct cagtgactga 480

gcgggctggc aaggc 495

<210> 4504
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4504
gcctccctcg cgccatcagt aggagacacg tactccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac taggagacac gtactcctga 480

gcgggctggc aaggc 495

<210> 4505
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4505
gcctccctcg cgccatcagt aggagactga tgcgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc taggagactg atgcgactga 480

gcgggctggc aaggc 495

<210> 4506
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4506
gcctccctcg cgccatcagt aggagacatt aagcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc taggagacat taagcgctga 480

gcgggctggc aaggc 495

<210> 4507
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4507
gcctccctcg cgccatcagt aggagacagc aatcccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc taggagacag caatccctga 480

gcgggctggc aaggc 495

<210> 4508
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4508
gcctccctcg cgccatcagt aggagacgct tagtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga taggagacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 4509
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4509
gcctccctcg cgccatcagt aggagactga ccttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc taggagactg accttgctga 480

gcgggctggc aaggc 495

<210> 4510
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4510
gcctccctcg cgccatcagt aggagaccaa ggtcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc taggagacca aggtcactga 480

gcgggctggc aaggc 495

<210> 4511
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4511
gcctccctcg cgccatcagt aggagaccac tgtaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc taggagacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4512
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4512
gcctccctcg cgccatcagt aggagacgat gatcccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg taggagacga tgatccctga 480

gcgggctggc aaggc 495

<210> 4513
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4513
gcctccctcg cgccatcagt aggagaccgc caatacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg taggagaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 4514
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4514
gcctccctcg cgccatcagt aggagactca agcctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca taggagactc aagcctctga 480

gcgggctggc aaggc 495

<210> 4515
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4515
gcctccctcg cgccatcagt aggagacacg tgtgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag taggagacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4516
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4516
gcctccctcg cgccatcagt aggagactcc gtctacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag taggagactc cgtctactga 480

gcgggctggc aaggc 495

<210> 4517
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4517
gcctccctcg cgccatcagt aggagacaag agctgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg taggagacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4518
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4518
gcctccctcg cgccatcagt aggagactat cgctccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag taggagacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4519
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4519
gcctccctcg cgccatcagt aggagactca gatgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc taggagactc agatgcctga 480

gcgggctggc aaggc 495

<210> 4520
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4520
gcctccctcg cgccatcagt aggagacgtg tagcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg taggagacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 4521
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4521
gcctccctcg cgccatcagt aggagactgg cagttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg taggagactg gcagttctga 480

gcgggctggc aaggc 495

<210> 4522
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4522
gcctccctcg cgccatcagt aggagaccag tccaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac taggagacca gtccaactga 480

gcgggctggc aaggc 495

<210> 4523
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4523
gcctccctcg cgccatcagt aggagacgtg tctaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg taggagacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 4524
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4524
gcctccctcg cgccatcagt aggagacgta cagtgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag taggagacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 4525
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4525
gcctccctcg cgccatcagt aggagacgga tcatccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag taggagacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 4526

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4526
gcctccctcg cgccatcagt aggagactat tggcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca taggagacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4527
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4527
gcctccctcg cgccatcagt aggagacagg cttgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac taggagacag gcttgactga 480

gcgggctggc aaggc 495

<210> 4528
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4528
gcctccctcg cgccatcagt aggagacaca cacgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat taggagacac acacgtctga 480

gcgggctggc aaggc 495

<210> 4529
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4529
gcctccctcg cgccatcagt aggagactag acggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga taggagacta gacggactga 480

gcgggctggc aaggc 495

<210> 4530
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4530
gcctccctcg cgccatcagt aggagacgag cgatacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt taggagacga gcgatactga 480

gcgggctggc aaggc 495

<210> 4531
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4531
gcctccctcg cgccatcagt aggagacgca tctgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca taggagacgc atctgactga 480

gcgggctggc aaggc 495

<210> 4532
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4532
gcctccctcg cgccatcagt aggagactgc tacaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg taggagactg ctacacctga 480

gcgggctggc aaggc 495

<210> 4533
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4533
gcctccctcg cgccatcagt aggagacaac tgccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt taggagacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4534
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4534
gcctccctcg cgccatcagt aggagacttg gactgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg taggagactt ggactgctga 480

gcgggctggc aaggc 495

<210> 4535
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4535
gcctccctcg cgccatcagt aggagactcg gtactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg taggagactc ggtactctga 480

gcgggctggc aaggc 495

<210> 4536
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4536
gcctccctcg cgccatcagt aggagaccca tggatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac taggagaccc atggatctga 480

gcgggctggc aaggc 495

<210> 4537
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4537
gcctccctcg cgccatcagt aggagacacg aagatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa taggagacac gaagatctga 480

gcgggctggc aaggc 495

<210> 4538
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4538
gcctccctcg cgccatcagt aggagacact gtggacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt taggagacac tgtggactga 480

gcgggctggc aaggc 495

<210> 4539
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4539
gcctccctcg cgccatcagt aggagacggt gtcatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct taggagacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4540
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4540
gcctccctcg cgccatcagt aggagactcg tgaagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg taggagactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4541
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4541
gcctccctcg cgccatcagt aggagaccac tagctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa taggagacca ctagctctga 480

gcgggctggc aaggc 495

<210> 4542
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4542
gcctccctcg cgccatcagt aggagacggt caactcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga taggagacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 4543
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4543
gcctccctcg cgccatcagt aggagactac gtacgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc taggagacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4544
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4544
gcctccctcg cgccatcagt aggagacatg acacccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg taggagacat gacaccctga 480

gcgggctggc aaggc 495

<210> 4545
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4545
gcctccctcg cgccatcagt aggagacctt cacgacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac taggagacct tcacgactga 480

gcgggctggc aaggc 495

<210> 4546
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4546
gcctccctcg cgccatcagt aggagacaga atcagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc taggagacag aatcagctga 480

gcgggctggc aaggc 495

<210> 4547
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4547
gcctccctcg cgccatcagt aggagacagt tatgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa taggagacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4548
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4548
gcctccctcg cgccatcagt aggagacagg tctcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc taggagacag gtctcactga 480

gcgggctggc aaggc 495

<210> 4549

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4549
gcctccctcg cgccatcagt aggagacgtc atagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt taggagacgt catagtctga 480

gcgggctggc aaggc 495

<210> 4550
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4550
gcctccctcg cgccatcagt aggagacgtg acttgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg taggagacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 4551
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4551
gcctccctcg cgccatcagt aggagacgat tgcagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc taggagacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4552
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4552
gcctccctcg cgccatcagt aggagacact atgaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac taggagacac tatgacctga 480

gcgggctggc aaggc 495

<210> 4553
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4553
gcctccctcg cgccatcagt aggagacatg gtcaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac taggagacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4554
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4554
gcctccctcg cgccatcagt aggagacgat ggcttcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac taggagacga tggcttctga 480

gcgggctggc aaggc 495

<210> 4555
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4555
gcctccctcg cgccatcagt aggagacagc atatgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac taggagacag catatgctga 480

gcgggctggc aaggc 495

<210> 4556
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4556
gcctccctcg cgccatcagt aggagaccat atgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg taggagacca tatgctctga 480

gcgggctggc aaggc 495

<210> 4557
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4557
gcctccctcg cgccatcagt aggagactcg tcgatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc taggagactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4558
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4558
gcctccctcg cgccatcagt aggagaccag tctgtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4559
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4559
gcctccctcg cgccatcagt aggagacaac gcgtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg taggagacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4560
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4560
gcctccctcg cgccatcagt aggagacgta gttcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc taggagacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 4561
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4561
gcctccctcg cgccatcagt aggagaccga actaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac taggagaccg aactacctga 480

gcgggctggc aaggc 495

<210> 4562
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4562
gcctccctcg cgccatcagt aggagactta acgtccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc taggagactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4563
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4563
gcctccctcg cgccatcagt aggagacagc aacctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac taggagacag caacctctga 480

gcgggctggc aaggc 495

<210> 4564
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4564
gcctccctcg cgccatcagt aggagacttc tcgagcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt taggagactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4565
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4565
gcctccctcg cgccatcagt aggagacact ctacgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac taggagacac tctacgctga 480

gcgggctggc aaggc 495

<210> 4566
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4566
gcctccctcg cgccatcagt aggagactac cggaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc taggagacta ccggaactga 480

gcgggctggc aaggc 495

<210> 4567
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4567
gcctccctcg cgccatcagt aggagaccga attgccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac taggagaccg aattgcctga 480

gcgggctggc aaggc 495

<210> 4568
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4568
gcctccctcg cgccatcagt aggagacttc gctcacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca taggagactt cgctcactga 480

gcgggctggc aaggc 495

<210> 4569
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4569
gcctccctcg cgccatcagt aggagacgac gttaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg taggagacga cgttaactga 480

gcgggctggc aaggc 495

<210> 4570
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4570
gcctccctcg cgccatcagt aggagaccgt agagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc taggagaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 4571
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4571
gcctccctcg cgccatcagt aggagacttc cggtacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc taggagactt ccggtactga 480

gcgggctggc aaggc 495

<210> 4572

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4572
gcctccctcg cgccatcagt aggagacgca attcgcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac taggagacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 4573
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4573
gcctccctcg cgccatcagt aggagactga gcgaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc taggagactg agcgaactga 480

gcgggctggc aaggc 495

<210> 4574
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4574
gcctccctcg cgccatcagt aggagactac taagccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc taggagacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4575
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4575
gcctccctcg cgccatcagt aggagactgg cgtatcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt taggagactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4576
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4576
gcctccctcg cgccatcagt aggagacgat aaccacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg taggagacga taaccactga 480

gcgggctggc aaggc 495

<210> 4577
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4577
gcctccctcg cgccatcagt aggagaccta gtgaacagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag taggagacct agtgaactga 480

gcgggctggc aaggc 495

<210> 4578
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4578
gcctccctcg cgccatcagt aggagacacg ttcaccagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt taggagacac gttcacctga 480

gcgggctggc aaggc 495

<210> 4579
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4579
gcctccctcg cgccatcagt aggagacatt acgctcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcataggaga 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 4580
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4580
gcctccctcg cgccatcagt aggagaccat tgagtcagaa atgcagcaaa acccttcaga 60

gttaaagcag gagagaggtt gtgaggactc acctgaggag acggtgacca gggttccctg 120

gccccagtag tcaaagtcga ctaggagacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc taggagacca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4581
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4581
gcctccctcg cgccatcagg acactctctt ggttactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gacactctct tggttactga 480

gcgggctggc aaggc 495

<210> 4582
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4582
gcctccctcg cgccatcagg acactctacc tcttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt gtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gacactctac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4583
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4583
gcctccctcg cgccatcagg acactctctg attctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gacactctct gattctctga 480

gcgggctggc aaggc 495

<210> 4584
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4584
gcctccctcg cgccatcagg acactctagt accgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gacactctag taccgactga 480

gcgggctggc aaggc 495

<210> 4585
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4585
gcctccctcg cgccatcagg acactctatc catggctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gacactctat ccatggctga 480

gcgggctggc aaggc 495

<210> 4586
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4586
gcctccctcg cgccatcagg acactctgta gcagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gacactctgt agcagtctga 480

gcgggctggc aaggc 495

<210> 4587
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4587
gcctccctcg cgccatcagg acactctatc ttcgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gacactctat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4588
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4588
gcctccctcg cgccatcagg acactcttcc acagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gacactcttc cacagtctga 480

gcgggctggc aaggc 495

<210> 4589
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4589
gcctccctcg cgccatcagg acactctagc tagtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gacactctag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4590
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4590
gcctccctcg cgccatcagg acactcttaa ccaagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gacactctta accaagctga 480

gcgggctggc aaggc 495

<210> 4591
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4591
gcctccctcg cgccatcagg acactctcaa gaggtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gacactctca agaggtctga 480

gcgggctggc aaggc 495

<210> 4592
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4592
gcctccctcg cgccatcagg acactctagt tgaccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gacactctag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4593
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4593
gcctccctcg cgccatcagg acactctcag catatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gacactctca gcatatctga 480

gcgggctggc aaggc 495

<210> 4594
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4594
gcctccctcg cgccatcagg acactctgca ggattctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gacactctgc aggattctga 480

gcgggctggc aaggc 495

<210> 4595
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4595
gcctccctcg cgccatcagg acactctgtc cattcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctgt ccattcctga 480

gcgggctggc aaggc 495

<210> 4596
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4596
gcctccctcg cgccatcagg acactctgca taactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gacactctgc ataactctga 480

gcgggctggc aaggc 495

<210> 4597
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4597
gcctccctcg cgccatcagg acactctata tgctgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctat atgctgctga 480

gcgggctggc aaggc 495

<210> 4598
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4598
gcctccctcg cgccatcagg acactctaat cctgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactctaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4599
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4599
gcctccctcg cgccatcagg acactcttga gacctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactcttg agacctctga 480

gcgggctggc aaggc 495

<210> 4600
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4600
gcctccctcg cgccatcagg acactctgaa tggacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctga atggacctga 480

gcgggctggc aaggc 495

<210> 4601
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4601
gcctccctcg cgccatcagg acactctcac atggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctca catggactga 480

gcgggctggc aaggc 495

<210> 4602
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4602
gcctccctcg cgccatcagg acactctttg accatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactcttt gaccatctga 480

gcgggctggc aaggc 495

<210> 4603
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4603
gcctccctcg cgccatcagg acactctaag ccatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gacactctaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4604
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4604
gcctccctcg cgccatcagg acactcttcc atgtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactcttc catgtgctga 480

gcgggctggc aaggc 495

<210> 4605
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4605
gcctccctcg cgccatcagg acactctcaa gtcacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctca agtcacctga 480

gcgggctggc aaggc 495

<210> 4606
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4606
gcctccctcg cgccatcagg acactctctg caatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactctct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4607
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4607
gcctccctcg cgccatcagg acactctatc gacgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctat cgacgactga 480

gcgggctggc aaggc 495

<210> 4608
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4608
gcctccctcg cgccatcagg acactctaca gactgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gacactctac agactgctga 480

gcgggctggc aaggc 495

<210> 4609
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4609
gcctccctcg cgccatcagg acactctcct atagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gacactctcc ttatagctga 480

gcgggctggc aaggc 495

<210> 4610
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4610
gcctccctcg cgccatcagg acactcttac gcgttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gacactctta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4611
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4611
gcctccctcg cgccatcagg acactctcta taaggctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gacactctct ataaggctga 480

gcgggctggc aaggc 495

<210> 4612
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4612
gcctccctcg cgccatcagg acactcttct tagtcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gacactcttc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4613
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4613
gcctccctcg cgccatcagg acactcttgt ctgcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gacactcttg tctgcactga 480

gcgggctggc aaggc 495

<210> 4614
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4614
gcctccctcg cgccatcagg acactctgcc attaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gacactctgc cattaactga 480

gcgggctggc aaggc 495

<210> 4615
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4615
gcctccctcg cgccatcagg acactctgac taagactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactctga ctaagactga 480

gcgggctggc aaggc 495

<210> 4616
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4616
gcctccctcg cgccatcagg acactctagg ttgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gacactctag gttgctctga 480

gcgggctggc aaggc 495

<210> 4617
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4617
gcctccctcg cgccatcagg acactctctc gagaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gacactctct cgagaactga 480

gcgggctggc aaggc 495

<210> 4618
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4618
gcctccctcg cgccatcagg acactcttta atggcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gacactcttt aatggcctga 480

gcgggctggc aaggc 495

<210> 4619
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4619
gcctccctcg cgccatcagg acactcttgc agacactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gacactcttg cagacactga 480

gcgggctggc aaggc 495

<210> 4620
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4620
gcctccctcg cgccatcagg acactcttca ctgagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gacactcttc actgagctga 480

gcgggctggc aaggc 495

<210> 4621
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4621
gcctccctcg cgccatcagg acactctgag tacgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gacactctga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4622
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4622
gcctccctcg cgccatcagg acactctata cgccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gacactctat acgccactga 480

gcgggctggc aaggc 495

<210> 4623
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4623
gcctccctcg cgccatcagg acactcttcg catcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gacactcttc gcatcactga 480

gcgggctggc aaggc 495

<210> 4624
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4624
gcctccctcg cgccatcagg acactctcgc ttaatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gacactctcg cttaatctga 480

gcgggctggc aaggc 495

<210> 4625
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4625
gcctccctcg cgccatcagg acactcttgg ttatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gacactcttg gttatcctga 480

gcgggctggc aaggc 495

<210> 4626
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4626
gcctccctcg cgccatcagg acactctgga ttgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gacactctgg attgctctga 480

gcgggctggc aaggc 495

<210> 4627
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4627
gcctccctcg cgccatcagg acactctctc agtgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gacactctct cagtgactga 480

gcgggctggc aaggc 495

<210> 4628
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4628
gcctccctcg cgccatcagg acactctacg tactcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gacactctac gtactcctga 480

gcgggctggc aaggc 495

<210> 4629
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4629
gcctccctcg cgccatcagg acactcttga tgcgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagccccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gacactcttg atgcgactga 480

gcgggctggc aaggc 495

<210> 4630
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4630
gcctccctcg cgccatcagg acactctatt aagcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gacactctat taagcgctga 480

gcgggctggc aaggc 495

<210> 4631
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4631
gcctccctcg cgccatcagg acactctagc aatccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gacactctag caatccctga 480

gcgggctggc aaggc 495

<210> 4632
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4632
gcctccctcg cgccatcagg acactctgct tagtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gacactctgc ttagtactga 480

gcgggctggc aaggc 495

<210> 4633
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4633
gcctccctcg cgccatcagg acactcttga ccttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gacactcttg accttgctga 480

gcgggctggc aaggc 495

<210> 4634
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4634
gcctccctcg cgccatcagg acactctcaa ggtcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gacactctca aggtcactga 480

gcgggctggc aaggc 495

<210> 4635
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4635
gcctccctcg cgccatcagg acactctcac tgtacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gacactctca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4636
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4636
gcctccctcg cgccatcagg acactctgat gatccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gacactctga tgatccctga 480

gcgggctggc aaggc 495

<210> 4637
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4637
gcctccctcg cgccatcagg acactctcgc caatactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gacactctcg ccaatactga 480

gcgggctggc aaggc 495

<210> 4638
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4638
gcctccctcg cgccatcagg acactcttca agcctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gacactcttc aagcctctga 480

gcgggctggc aaggc 495

<210> 4639
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4639
gcctccctcg cgccatcagg acactctacg tgtgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gacactctac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4640
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4640
gcctccctcg cgccatcagg acactcttcc gtctactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gacactcttc cgtctactga 480

gcgggctggc aaggc 495

<210> 4641
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4641
gcctccctcg cgccatcagg acactctaag agctgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gacactctaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4642
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4642
gcctccctcg cgccatcagg acactcttat cgctcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gacactctta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4643
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4643
gcctccctcg cgccatcagg acactcttca gatgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gacactcttc agatgcctga 480

gcgggctggc aaggc 495

<210> 4644
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4644
gcctccctcg cgccatcagg acactctgtg tagcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gacactctgt gtagcactga 480

gcgggctggc aaggc 495

<210> 4645
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4645
gcctccctcg cgccatcagg acactcttgg cagttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gacactcttg gcagttctga 480

gcgggctggc aaggc 495

<210> 4646
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4646
gcctccctcg cgccatcagg acactctcag tccaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gacactctca gtccaactga 480

gcgggctggc aaggc 495

<210> 4647
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4647
gcctccctcg cgccatcagg acactctgtg tctacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gacactctgt gtctacctga 480

gcgggctggc aaggc 495

<210> 4648
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4648
gcctccctcg cgccatcagg acactctgta cagtgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gacactctgt acagtgctga 480

gcgggctggc aaggc 495

<210> 4649
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4649
gcctccctcg cgccatcagg acactctgga tcatcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gacactctgg atcatcctga 480

gcgggctggc aaggc 495

<210> 4650
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4650
gcctccctcg cgccatcagg acactcttat tggcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gacactctta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4651
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4651
gcctccctcg cgccatcagg acactctagg cttgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gacactctag gcttgactga 480

gcgggctggc aaggc 495

<210> 4652
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4652
gcctccctcg cgccatcagg acactctaca cacgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gacactctac acacgtctga 480

gcgggctggc aaggc 495

<210> 4653
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4653
gcctccctcg cgccatcagg acactcttag acggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gacactctta gacggactga 480

gcgggctggc aaggc 495

<210> 4654
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4654
gcctccctcg cgccatcagg acactctgag cgatactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gacactctga gcgatactga 480

gcgggctggc aaggc 495

<210> 4655
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4655
gcctccctcg cgccatcagg acactctgca tctgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gacactctgc atctgactga 480

gcgggctggc aaggc 495

<210> 4656
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4656
gcctccctcg cgccatcagg acactcttgc tacacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gacactcttg ctacacctga 480

gcgggctggc aaggc 495

<210> 4657
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4657
gcctccctcg cgccatcagg acactctaac tgccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gacactctaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4658
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4658
gcctccctcg cgccatcagg acactctttg gactgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gacactcttt ggactgctga 480

gcgggctggc aaggc 495

<210> 4659
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4659
gcctccctcg cgccatcagg acactcttcg gtactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gacactcttc ggtactctga 480

gcgggctggc aaggc 495

<210> 4660
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4660
gcctccctcg cgccatcagg acactctcca tggatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gacactctcc atggatctga 480

gcgggctggc aaggc 495

<210> 4661
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4661
gcctccctcg cgccatcagg acactctacg aagatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gacactctac gaagatctga 480

gcgggctggc aaggc 495

<210> 4662
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4662
gcctccctcg cgccatcagg acactctact gtggactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gacactctac tgtggactga 480

gcgggctggc aaggc 495

<210> 4663
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4663
gcctccctcg cgccatcagg acactctggt gtcatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gacactctgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4664
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4664
gcctccctcg cgccatcagg acactcttcg tgaagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gacactcttc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4665
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4665
gcctccctcg cgccatcagg acactctcac tagctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gacactctca ctagctctga 480

gcgggctggc aaggc 495

<210> 4666
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4666
gcctccctcg cgccatcagg acactctggt caactctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gacactctgg tcaactctga 480

gcgggctggc aaggc 495

<210> 4667
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4667
gcctccctcg cgccatcagg acactcttac gtacgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gacactctta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4668
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4668
gcctccctcg cgccatcagg acactctatg acaccctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gacactctat gacaccctga 480

gcgggctggc aaggc 495

<210> 4669
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4669
gcctccctcg cgccatcagg acactctctt cacgactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gacactctct tcacgactga 480

gcgggctggc aaggc 495

<210> 4670
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4670
gcctccctcg cgccatcagg acactctaga atcagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gacactctag aatcagctga 480

gcgggctggc aaggc 495

<210> 4671
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4671
gcctccctcg cgccatcagg acactctagt tatgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gacactctag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4672
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4672
gcctccctcg cgccatcagg acactctagg tctcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gacactctag gtctcactga 480

gcgggctggc aaggc 495

<210> 4673
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4673
gcctccctcg cgccatcagg acactctgtc atagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt gacactctgt catagtctga 480

gcgggctggc aaggc 495

<210> 4674
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4674
gcctccctcg cgccatcagg acactctgtg acttgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gacactctgt gacttgctga 480

gcgggctggc aaggc 495

<210> 4675
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4675
gcctccctcg cgccatcagg acactctgat tgcagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gacactctga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4676
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4676
gcctccctcg cgccatcagg acactctact atgacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gacactctac tatgacctga 480

gcgggctggc aaggc 495

<210> 4677
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4677
gcctccctcg cgccatcagg acactctatg gtcaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gacactctat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4678
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4678
gcctccctcg cgccatcagg acactctgat ggcttctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gacactctga tggcttctga 480

gcgggctggc aaggc 495

<210> 4679
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4679
gcctccctcg cgccatcagg acactctagc atatgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gacactctag catatgctga 480

gcgggctggc aaggc 495

<210> 4680
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4680
gcctccctcg cgccatcagg acactctcat atgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gacactctca tatgctctga 480

gcgggctggc aaggc 495

<210> 4681
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4681
gcctccctcg cgccatcagg acactcttcg tcgatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gacactcttc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4682
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4682
gcctccctcg cgccatcagg acactctcag tctgtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc agccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactctca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4683
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4683
gcctccctcg cgccatcagg acactctaac gcgtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gacactctaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4684
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4684
gcctccctcg cgccatcagg acactctgta gttcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gacactctgt agttcgctga 480

gcgggctggc aaggc 495

<210> 4685
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4685
gcctccctcg cgccatcagg acactctcga actacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gacactctcg aactacctga 480

gcgggctggc aaggc 495

<210> 4686
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4686
gcctccctcg cgccatcagg acactcttta acgtcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gacactcttt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4687
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4687
gcctccctcg cgccatcagg acactctagc aacctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gacactctag caacctctga 480

gcgggctggc aaggc 495

<210> 4688
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4688
gcctccctcg cgccatcagg acactctttc tcgagctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gacactcttt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4689
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4689
gcctccctcg cgccatcagg acactctact ctacgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gacactctac tctacgctga 480

gcgggctggc aaggc 495

<210> 4690
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4690
gcctccctcg cgccatcagg acactcttac cggaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gacactctta ccggaactga 480

gcgggctggc aaggc 495

<210> 4691
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4691
gcctccctcg cgccatcagg acactctcga attgcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gacactctcg aattgcctga 480

gcgggctggc aaggc 495

<210> 4692
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4692
gcctccctcg cgccatcagg acactctttc gctcactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gacactcttt cgctcactga 480

gcgggctggc aaggc 495

<210> 4693
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4693
gcctccctcg cgccatcagg acactctgac gttaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gacactctga cgttaactga 480

gcgggctggc aaggc 495

<210> 4694
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4694
gcctccctcg cgccatcagg acactctcgt agagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gacactctcg tagagtctga 480

gcgggctggc aaggc 495

<210> 4695
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4695
gcctccctcg cgccatcagg acactctttc cggtactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gacactcttt ccggtactga 480

gcgggctggc aaggc 495

<210> 4696
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4696
gcctccctcg cgccatcagg acactctgca attcgctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gacactctgc aattcgctga 480

gcgggctggc aaggc 495

<210> 4697
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4697
gcctccctcg cgccatcagg acactcttga gcgaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gacactcttg agcgaactga 480

gcgggctggc aaggc 495

<210> 4698
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4698
gcctccctcg cgccatcagg acactcttac taagcctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gacactctta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4699
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4699
gcctccctcg cgccatcagg acactcttgg cgtatctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gacactcttg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4700
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4700
gcctccctcg cgccatcagg acactctgat aaccactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gacactctga taaccactga 480

gcgggctggc aaggc 495

<210> 4701
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4701
gcctccctcg cgccatcagg acactctcta gtgaactggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gacactctct agtgaactga 480

gcgggctggc aaggc 495

<210> 4702
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4702
gcctccctcg cgccatcagg acactctacg ttcacctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gacactctac gttcacctga 480

gcgggctggc aaggc 495

<210> 4703
<211> 448
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4703
gcctccctcg cgccatcagg acactctatt acgctctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactcta ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagacactc 420

tattacgctc tgagcgggct ggcaaggc 448

<210> 4704
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4704
gcctccctcg cgccatcagg acactctcat tgagtctggc aagctgagtc tccctaagtg 60

gactcagaga gggggtggtg aggactcacc tgaggagacg gtgaccaggg ttccctggcc 120

ccaggggtcg aaccagtcga cgacactctc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gacactctca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4705
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4705
gcctccctcg cgccatcagt tcggaacctt ggttaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc ttcggaacct tggttactga 480

gcgggctggc aaggc 495

<210> 4706
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4706
gcctccctcg cgccatcagt tcggaacacc tcttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc ttcggaacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4707
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4707
gcctccctcg cgccatcagt tcggaacctg attctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc ttcggaacct gattctctga 480

gcgggctggc aaggc 495

<210> 4708
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4708
gcctccctcg cgccatcagt tcggaacagt accgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc ttcggaacag taccgactga 480

gcgggctggc aaggc 495

<210> 4709
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4709
gcctccctcg cgccatcagt tcggaacatc catggggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc ttcggaacat ccatggctga 480

gcgggctggc aaggc 495

<210> 4710
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4710
gcctccctcg cgccatcagt tcggaacgta gcagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc ttcggaacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 4711
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4711
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc ttcggaacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4712
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4712
gcctccctcg cgccatcagt tcggaactcc acagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc ttcggaactc cacagtctga 480

gcgggctggc aaggc 495

<210> 4713
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4713
gcctccctcg cgccatcagt tcggaacagc tagtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc ttcggaacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4714
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4714
gcctccctcg cgccatcagt tcggaactaa ccaagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc ttcggaacta accaagctga 480

gcgggctggc aaggc 495

<210> 4715
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4715
gcctccctcg cgccatcagt tcggaaccaa gaggtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc ttcggaacca agaggtctga 480

gcgggctggc aaggc 495

<210> 4716
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4716
gcctccctcg cgccatcagt tcggaacagt tgaccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa ttcggaacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4717
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4717
gcctccctcg cgccatcagt tcggaaccag catatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa ttcggaacca gcatatctga 480

gcgggctggc aaggc 495

<210> 4718
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4718
gcctccctcg cgccatcagt tcggaacgca ggattggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa ttcggaacgc aggattctga 480

gcgggctggc aaggc 495

<210> 4719
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4719

gcctccctcg cgccatcagt tcggaacgtc cattcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 4720
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4720
gcctccctcg cgccatcagt tcggaacgca taactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac ttcggaacgc ataactctga 480

gcgggctggc aaggc 495

<210> 4721
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4721
gcctccctcg cgccatcagt tcggaacata tgctgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacat atgctgctga 480

gcgggctggc aaggc 495

<210> 4722
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4722
gcctccctcg cgccatcagt tcggaacaat cctgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4723
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4723
gcctccctcg cgccatcagt tcggaactga gacctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaactg agacctctga 480

gcgggctggc aaggc 495

<210> 4724
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4724
gcctccctcg cgccatcagt tcggaacgaa tggacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacga atggacctga 480

gcgggctggc aaggc 495

<210> 4725
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4725
gcctccctcg cgccatcagt tcggaaccac atggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacca catggactga 480

gcgggctggc aaggc 495

<210> 4726
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4726
gcctccctcg cgccatcagt tcggaacttg accatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaactt gaccatctga 480

gcgggctggc aaggc 495

<210> 4727
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4727
gcctccctcg cgccatcagt tcggaacaag ccatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc ttcggaacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4728
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4728
gcctccctcg cgccatcagt tcggaactcc atgtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaactc catgtgctga 480

gcgggctggc aaggc 495

<210> 4729
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4729
gcctccctcg cgccatcagt tcggaaccaa gtcacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacca agtcacctga 480

gcgggctggc aaggc 495

<210> 4730
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4730
gcctccctcg cgccatcagt tcggaacctg caatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4731
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4731
gcctccctcg cgccatcagt tcggaacatc gacgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacat cgacgactga 480

gcgggctggc aaggc 495

<210> 4732
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4732
gcctccctcg cgccatcagt tcggaacaca gactgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa ttcggaacac agactgctga 480

gcgggctggc aaggc 495

<210> 4733
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4733
gcctccctcg cgccatcagt tcggaaccct tatagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac ttcggaaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 4734
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4734
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc ttcggaacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4735
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4735
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg ttcggaacct ataaggctga 480

gcgggctggc aaggc 495

<210> 4736
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4736
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc ttcggaactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4737
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4737
gcctccctcg cgccatcagt tcggaactgt ctgcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc ttcggaactg tctgcactga 480

gcgggctggc aaggc 495

<210> 4738
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4738
gcctccctcg cgccatcagt tcggaacgcc attaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc ttcggaacgc cattaactga 480

gcgggctggc aaggc 495

<210> 4739
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4739
gcctccctcg cgccatcagt tcggaacgac taagaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaacga ctaagactga 480

gcgggctggc aaggc 495

<210> 4740
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4740
gcctccctcg cgccatcagt tcggaacagg ttgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg ttcggaacag gttgctctga 480

gcgggctggc aaggc 495

<210> 4741
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4741
gcctccctcg cgccatcagt tcggaacctc gagaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc ttcggaacct cgagaactga 480

gcgggctggc aaggc 495

<210> 4742
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4742

gcctccctcg cgccatcagt tcggaactta atggcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc ttcggaactt aatggcctga 480

gcgggctggc aaggc 495

<210> 4743
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4743
gcctccctcg cgccatcagt tcggaactgc agacaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa ttcggaactg cagacactga 480

gcgggctggc aaggc 495

<210> 4744
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4744
gcctccctcg cgccatcagt tcggaactca ctgagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt ttcggaactc actgagctga 480

gcgggctggc aaggc 495

<210> 4745
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4745
gcctccctcg cgccatcagt tcggaacgag tacgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac ttcggaacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4746
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4746
gcctccctcg cgccatcagt tcggaacata cgccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac ttcggaacat acgccactga 480

gcgggctggc aaggc 495

<210> 4747
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4747
gcctccctcg cgccatcagt tcggaactcg catcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac ttcggaactc gcatcactga 480

gcgggctggc aaggc 495

<210> 4748
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4748
gcctccctcg cgccatcagt tcggaaccgc ttaatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac ttcggaaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 4749
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4749
gcctccctcg cgccatcagt tcggaactgg ttatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt ttcggaactg gttatcctga 480

gcgggctggc aaggc 495

<210> 4750
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4750
gcctccctcg cgccatcagt tcggaacgga ttgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac ttcggaacgg attgctctga 480

gcgggctggc aaggc 495

<210> 4751
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4751
gcctccctcg cgccatcagt tcggaacctc agtgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt ttcggaacct cagtgactga 480

gcgggctggc aaggc 495

<210> 4752
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4752
gcctccctcg cgccatcagt tcggaacacg tactcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac ttcggaacac gtactcctga 480

gcgggctggc aaggc 495

<210> 4753
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4753
gcctccctcg cgccatcagt tcggaactga tgcgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc ttcggaactg atgcgactga 480

gcgggctggc aaggc 495

<210> 4754
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4754
gcctccctcg cgccatcagt tcggaacatt aagcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc ttcggaacat taagcgctga 480

gcgggctggc aaggc 495

<210> 4755
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4755
gcctccctcg cgccatcagt tcggaacagc aatccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc ttcggaacag caatccctga 480

gcgggctggc aaggc 495

<210> 4756
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4756
gcctccctcg cgccatcagt tcggaacgct tagtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga ttcggaacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 4757
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4757
gcctccctcg cgccatcagt tcggaactga ccttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc ttcggaactg accttgctga 480

gcgggctggc aaggc 495

<210> 4758
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4758
gcctccctcg cgccatcagt tcggaaccaa ggtcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc ttcggaacca aggtcactga 480

gcgggctggc aaggc 495

<210> 4759
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4759
gcctccctcg cgccatcagt tcggaaccac tgtacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc ttcggaacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4760
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4760
gcctccctcg cgccatcagt tcggaacgat gatccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg ttcggaacga tgatccctga 480

gcgggctggc aaggc 495

<210> 4761
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4761
gcctccctcg cgccatcagt tcggaaccgc caataggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg ttcggaaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 4762
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4762
gcctccctcg cgccatcagt tcggaactca agcctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca ttcggaactc aagcctctga 480

gcgggctggc aaggc 495

<210> 4763
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4763
gcctccctcg cgccatcagt tcggaacacg tgtgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag ttcggaacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4764
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4764
gcctccctcg cgccatcagt tcggaactcc gtctaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag ttcggaactc cgtctactga 480

gcgggctggc aaggc 495

<210> 4765
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4765

gcctccctcg cgccatcagt tcggaacaag agctgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg ttcggaacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4766
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4766
gcctccctcg cgccatcagt tcggaactat cgctcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag ttcggaacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4767
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4767
gcctccctcg cgccatcagt tcggaactca gatgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc ttcggaactc agatgcctga 480

gcgggctggc aaggc 495

<210> 4768
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4768
gcctccctcg cgccatcagt tcggaacgtg tagcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg ttcggaacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 4769
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4769
gcctccctcg cgccatcagt tcggaactgg cagttggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg ttcggaactg gcagttctga 480

gcgggctggc aaggc 495

<210> 4770
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4770
gcctccctcg cgccatcagt tcggaaccag tccaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac ttcggaacca gtccaactga 480

gcgggctggc aaggc 495

<210> 4771
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4771
gcctccctcg cgccatcagt tcggaacgtg tctacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg ttcggaacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 4772
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4772
gcctccctcg cgccatcagt tcggaacgta cagtgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag ttcggaacgt acagtgctga 480

gcgggctggc aaggc 495

<210> 4773
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4773
gcctccctcg cgccatcagt tcggaacgga tcatcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag ttcggaacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 4774
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4774
gcctccctcg cgccatcagt tcggaactat tggcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca ttcggaacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4775
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4775
gcctccctcg cgccatcagt tcggaacagg cttgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac ttcggaacag gcttgactga 480

gcgggctggc aaggc 495

<210> 4776
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4776
gcctccctcg cgccatcagt tcggaacaca cacgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat ttcggaacac acacgtctga 480

gcgggctggc aaggc 495

<210> 4777
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4777
gcctccctcg cgccatcagt tcggaactag acggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga ttcggaacta gacggactga 480

gcgggctggc aaggc 495

<210> 4778
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4778
gcctccctcg cgccatcagt tcggaacgag cgataggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt ttcggaacga gcgatactga 480

gcgggctggc aaggc 495

<210> 4779
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4779
gcctccctcg cgccatcagt tcggaacgca tctgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca ttcggaacgc atctgactga 480

gcgggctggc aaggc 495

<210> 4780
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4780
gcctccctcg cgccatcagt tcggaactgc tacacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg ttcggaactg ctacacctga 480

gcgggctggc aaggc 495

<210> 4781
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4781
gcctccctcg cgccatcagt tcggaacaac tgccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt ttcggaacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4782
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4782
gcctccctcg cgccatcagt tcggaacttg gactgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg ttcggaactt ggactgctga 480

gcgggctggc aaggc 495

<210> 4783
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4783
gcctccctcg cgccatcagt tcggaactcg gtactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg ttcggaactc ggtactctga 480

gcgggctggc aaggc 495

<210> 4784
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4784
gcctccctcg cgccatcagt tcggaaccca tggatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac ttcggaaccc atggatctga 480

gcgggctggc aaggc 495

<210> 4785
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4785
gcctccctcg cgccatcagt tcggaacacg aagatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa ttcggaacac gaagatctga 480

gcgggctggc aaggc 495

<210> 4786
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4786
gcctccctcg cgccatcagt tcggaacact gtggaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt ttcggaacac tgtggactga 480

gcgggctggc aaggc 495

<210> 4787
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4787
gcctccctcg cgccatcagt tcggaacggt gtcatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct ttcggaacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4788
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4788

gcctccctcg cgccatcagt tcggaactcg tgaagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg ttcggaactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4789
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4789
gcctccctcg cgccatcagt tcggaaccac tagctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa ttcggaacca ctagctctga 480

gcgggctggc aaggc 495

<210> 4790
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4790
gcctccctcg cgccatcagt tcggaacggt caactggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga ttcggaacgg tcaactctga 480

gcgggctggc aaggc 495

<210> 4791
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4791
gcctccctcg cgccatcagt tcggaactac gtacgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc ttcggaacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4792
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4792
gcctccctcg cgccatcagt tcggaacatg acaccggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg ttcggaacat gacaccctga 480

gcgggctggc aaggc 495

<210> 4793
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4793
gcctccctcg cgccatcagt tcggaacctt cacgaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac ttcggaacct tcacgactga 480

gcgggctggc aaggc 495

<210> 4794
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4794
gcctccctcg cgccatcagt tcggaacaga atcagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc ttcggaacag aatcagctga 480

gcgggctggc aaggc 495

<210> 4795
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4795
gcctccctcg cgccatcagt tcggaacagt tatgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa ttcggaacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4796
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4796
gcctccctcg cgccatcagt tcggaacagg tctcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc ttcggaacag gtctcactga 480

gcgggctggc aaggc 495

<210> 4797
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4797
gcctccctcg cgccatcagt tcggaacgtc atagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt ttcggaacgt catagtctga 480

gcgggctggc aaggc 495

<210> 4798
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4798
gcctccctcg cgccatcagt tcggaacgtg acttgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg ttcggaacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 4799
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4799
gcctccctcg cgccatcagt tcggaacgat tgcagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctccccccaga ctccaccagc tgcatctcac actggatacc ttcggaacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4800
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4800
gcctccctcg cgccatcagt tcggaacact atgacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac ttcggaacac tatgacctga 480

gcgggctggc aaggc 495

<210> 4801
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4801
gcctccctcg cgccatcagt tcggaacatg gtcaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac ttcggaacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4802
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4802
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac ttcggaacga tggcttctga 480

gcgggctggc aaggc 495

<210> 4803
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4803
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac ttcggaacag catatgctga 480

gcgggctggc aaggc 495

<210> 4804
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4804
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agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg ttcggaacca tatgctctga 480

gcgggctggc aaggc 495

<210> 4805
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4805
gcctccctcg cgccatcagt tcggaactcg tcgatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc ttcggaactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4806
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4806
gcctccctcg cgccatcagt tcggaaccag tctgtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4807
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4807
gcctccctcg cgccatcagt tcggaacaac gcgtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg ttcggaacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4808
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4808
gcctccctcg cgccatcagt tcggaacgta gttcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc ttcggaacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 4809
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4809
gcctccctcg cgccatcagt tcggaaccga actacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac ttcggaaccg aactacctga 480

gcgggctggc aaggc 495

<210> 4810
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4810
gcctccctcg cgccatcagt tcggaactta acgtcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc ttcggaactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4811
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4811

gcctccctcg cgccatcagt tcggaacagc aacctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac ttcggaacag caacctctga 480

gcgggctggc aaggc 495

<210> 4812
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4812
gcctccctcg cgccatcagt tcggaacttc tcgagggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt ttcggaactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4813
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4813
gcctccctcg cgccatcagt tcggaacact ctacgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac ttcggaacac tctacgctga 480

gcgggctggc aaggc 495

<210> 4814
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4814
gcctccctcg cgccatcagt tcggaactac cggaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc ttcggaacta ccggaactga 480

gcgggctggc aaggc 495

<210> 4815
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4815
gcctccctcg cgccatcagt tcggaaccga attgcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac ttcggaaccg aattgcctga 480

gcgggctggc aaggc 495

<210> 4816
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4816
gcctccctcg cgccatcagt tcggaacttc gctcaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca ttcggaactt cgctcactga 480

gcgggctggc aaggc 495

<210> 4817
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4817
gcctccctcg cgccatcagt tcggaacgac gttaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg ttcggaacga cgttaactga 480

gcgggctggc aaggc 495

<210> 4818
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 4818
gcctccctcg cgccatcagt tcggaaccgt agagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc ttcggaaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 4819
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4819
gcctccctcg cgccatcagt tcggaacttc cggtaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc ttcggaactt ccggtactga 480

gcgggctggc aaggc 495

<210> 4820
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4820
gcctccctcg cgccatcagt tcggaacgca attcgggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac ttcggaacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 4821
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4821
gcctccctcg cgccatcagt tcggaactga gcgaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc agccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc ttcggaactg agcgaactga 480

gcgggctggc aaggc 495

<210> 4822
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4822
gcctccctcg cgccatcagt tcggaactac taagcggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc ttcggaacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4823
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4823
gcctccctcg cgccatcagt tcggaactgg cgtatggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt ttcggaactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4824
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4824
gcctccctcg cgccatcagt tcggaacgat aaccaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg ttcggaacga taaccactga 480

gcgggctggc aaggc 495

<210> 4825
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4825
gcctccctcg cgccatcagt tcggaaccta gtgaaggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag ttcggaacct agtgaactga 480

gcgggctggc aaggc 495

<210> 4826
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4826
gcctccctcg cgccatcagt tcggaacacg ttcacggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt ttcggaacac gttcacctga 480

gcgggctggc aaggc 495

<210> 4827
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4827
gcctccctcg cgccatcagt tcggaacatt acgctggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcattcggaa 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 4828
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4828
gcctccctcg cgccatcagt tcggaaccat tgagtggcag tagcagaaaa caaaggccct 60

agagtggcca ttcttacctg aggagacggt gaccgtggtc cctttgcccc agacgtccat 120

gtagtagtag tagtagtcga cttcggaacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc ttcggaacca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4829
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4829
gcctccctcg cgccatcaga agtaacgctt ggttatcagc tcagccaaaa ccctgcggct 60

ggtaggggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc aagtaacgct tggttactga 480

gcgggctggc aaggc 495

<210> 4830
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4830
gcctccctcg cgccatcaga agtaacgacc tcttgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc aagtaacgac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4831
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4831
gcctccctcg cgccatcaga agtaacgctg attcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc aagtaacgct gattctctga 480

gcgggctggc aaggc 495

<210> 4832
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4832
gcctccctcg cgccatcaga agtaacgagt accgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc aagtaacgag taccgactga 480

gcgggctggc aaggc 495

<210> 4833
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4833
gcctccctcg cgccatcaga agtaacgatc catggtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc aagtaacgat ccatggctga 480

gcgggctggc aaggc 495

<210> 4834
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4834
gcctccctcg cgccatcaga agtaacggta gcagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc aagtaacggt agcagtctga 480

gcgggctggc aaggc 495

<210> 4835
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4835
gcctccctcg cgccatcaga agtaacgatc ttcgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc aagtaacgat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4836
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4836
gcctccctcg cgccatcaga agtaacgtcc acagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc aagtaacgtc cacagtctga 480

gcgggctggc aaggc 495

<210> 4837
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4837
gcctccctcg cgccatcaga agtaacgagc tagtgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc aagtaacgag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4838
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4838
gcctccctcg cgccatcaga agtaacgtaa ccaagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc aagtaacgta accaagctga 480

gcgggctggc aaggc 495

<210> 4839

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4839
gcctccctcg cgccatcaga agtaacgcaa gaggttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc aagtaacgca agaggtctga 480

gcgggctggc aaggc 495

<210> 4840
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4840
gcctccctcg cgccatcaga agtaacgagt tgacctcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa aagtaacgag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4841
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4841
gcctccctcg cgccatcaga agtaacgcag catattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa aagtaacgca gcatatctga 480

gcgggctggc aaggc 495

<210> 4842
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4842
gcctccctcg cgccatcaga agtaacggca ggatttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa aagtaacggc aggattctga 480

gcgggctggc aaggc 495

<210> 4843
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4843
gcctccctcg cgccatcaga agtaacggtc cattctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacggt ccattcctga 480

gcgggctggc aaggc 495

<210> 4844
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4844
gcctccctcg cgccatcaga agtaacggca taacttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac aagtaacggc ataactctga 480

gcgggctggc aaggc 495

<210> 4845
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4845
gcctccctcg cgccatcaga agtaacgata tgctgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgat atgctgctga 480

gcgggctggc aaggc 495

<210> 4846
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4846
gcctccctcg cgccatcaga agtaacgaat cctgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4847
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4847
gcctccctcg cgccatcaga agtaacgtga gaccttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacgtg agacctctga 480

gcgggctggc aaggc 495

<210> 4848
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4848
gcctccctcg cgccatcaga agtaacggaa tggactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgga atggacctga 480

gcgggctggc aaggc 495

<210> 4849
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4849
gcctccctcg cgccatcaga agtaacgcac atggatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgca catggactga 480

gcgggctggc aaggc 495

<210> 4850
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4850
gcctccctcg cgccatcaga agtaacgttg accattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgtt gaccatctga 480

gcgggctggc aaggc 495

<210> 4851
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4851
gcctccctcg cgccatcaga agtaacgaag ccatctcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc aagtaacgaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4852
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4852
gcctccctcg cgccatcaga agtaacgtcc atgtgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgtc catgtgctga 480

gcgggctggc aaggc 495

<210> 4853
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4853
gcctccctcg cgccatcaga agtaacgcaa gtcactcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgca agtcacctga 480

gcgggctggc aaggc 495

<210> 4854
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4854
gcctccctcg cgccatcaga agtaacgctg caatctcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgct gcaatcctga 480

gcgggctggc aaggc 495

<210> 4855
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4855
gcctccctcg cgccatcaga agtaacgatc gacgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgat cgacgactga 480

gcgggctggc aaggc 495

<210> 4856
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4856
gcctccctcg cgccatcaga agtaacgaca gactgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttcccc ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa aagtaacgac agactgctga 480

gcgggctggc aaggc 495

<210> 4857
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4857
gcctccctcg cgccatcaga agtaacgcct tatagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac aagtaacgcc ttatagctga 480

gcgggctggc aaggc 495

<210> 4858
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4858
gcctccctcg cgccatcaga agtaacgtac gcgtttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc aagtaacgta cgcgttctga 480

gcgggctggc aaggc 495

<210> 4859
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4859
gcctccctcg cgccatcaga agtaacgcta taaggtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg aagtaacgct ataaggctga 480

gcgggctggc aaggc 495

<210> 4860
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4860
gcctccctcg cgccatcaga agtaacgtct tagtctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc aagtaacgtc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4861
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4861
gcctccctcg cgccatcaga agtaacgtgt ctgcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc aagtaacgtg tctgcactga 480

gcgggctggc aaggc 495

<210> 4862

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4862
gcctccctcg cgccatcaga agtaacggcc attaatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc aagtaacggc cattaactga 480

gcgggctggc aaggc 495

<210> 4863
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4863
gcctccctcg cgccatcaga agtaacggac taagatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacgga ctaagactga 480

gcgggctggc aaggc 495

<210> 4864
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4864
gcctccctcg cgccatcaga agtaacgagg ttgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg aagtaacgag gttgctctga 480

gcgggctggc aaggc 495

<210> 4865
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4865
gcctccctcg cgccatcaga agtaacgctc gagaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc aagtaacgct cgagaactga 480

gcgggctggc aaggc 495

<210> 4866
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4866
gcctccctcg cgccatcaga agtaacgtta atggctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc aagtaacgtt aatggcctga 480

gcgggctggc aaggc 495

<210> 4867
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4867
gcctccctcg cgccatcaga agtaacgtgc agacatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa aagtaacgtg cagacactga 480

gcgggctggc aaggc 495

<210> 4868
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4868
gcctccctcg cgccatcaga agtaacgtca ctgagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt aagtaacgtc actgagctga 480

gcgggctggc aaggc 495

<210> 4869
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4869
gcctccctcg cgccatcaga agtaacggag tacgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac aagtaacgga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4870
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4870
gcctccctcg cgccatcaga agtaacgata cgccatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac aagtaacgat acgccactga 480

gcgggctggc aaggc 495

<210> 4871
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4871
gcctccctcg cgccatcaga agtaacgtcg catcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac aagtaacgtc gcatcactga 480

gcgggctggc aaggc 495

<210> 4872
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4872
gcctccctcg cgccatcaga agtaacgcgc ttaattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac aagtaacgcg cttaatctga 480

gcgggctggc aaggc 495

<210> 4873
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4873
gcctccctcg cgccatcaga agtaacgtgg ttatctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt aagtaacgtg gttatcctga 480

gcgggctggc aaggc 495

<210> 4874
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4874
gcctccctcg cgccatcaga agtaacggga ttgcttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagcccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac aagtaacggg attgctctga 480

gcgggctggc aaggc 495

<210> 4875
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4875
gcctccctcg cgccatcaga agtaacgctc agtgatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt aagtaacgct cagtgactga 480

gcgggctggc aaggc 495

<210> 4876
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4876
gcctccctcg cgccatcaga agtaacgacg tactctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac aagtaacgac gtactcctga 480

gcgggctggc aaggc 495

<210> 4877
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4877
gcctccctcg cgccatcaga agtaacgtga tgcgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc aagtaacgtg atgcgactga 480

gcgggctggc aaggc 495

<210> 4878
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4878
gcctccctcg cgccatcaga agtaacgatt aagcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc aagtaacgat taagcgctga 480

gcgggctggc aaggc 495

<210> 4879
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4879
gcctccctcg cgccatcaga agtaacgagc aatcctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc aagtaacgag caatccctga 480

gcgggctggc aaggc 495

<210> 4880
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4880
gcctccctcg cgccatcaga agtaacggct tagtatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga aagtaacggc ttagtactga 480

gcgggctggc aaggc 495

<210> 4881
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4881
gcctccctcg cgccatcaga agtaacgtga ccttgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc aagtaacgtg accttgctga 480

gcgggctggc aaggc 495

<210> 4882
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4882
gcctccctcg cgccatcaga agtaacgcaa ggtcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc aagtaacgca aggtcactga 480

gcgggctggc aaggc 495

<210> 4883
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4883
gcctccctcg cgccatcaga agtaacgcac tgtactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc aagtaacgca ctgtacctga 480

gcgggctggc aaggc 495

<210> 4884
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4884
gcctccctcg cgccatcaga agtaacggat gatcctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg aagtaacgga tgatccctga 480

gcgggctggc aaggc 495

<210> 4885

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4885
gcctccctcg cgccatcaga agtaacgcgc caatatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg aagtaacgcg ccaatactga 480

gcgggctggc aaggc 495

<210> 4886
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4886
gcctccctcg cgccatcaga agtaacgtca agccttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca aagtaacgtc aagcctctga 480

gcgggctggc aaggc 495

<210> 4887
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4887
gcctccctcg cgccatcaga agtaacgacg tgtgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag aagtaacgac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 4888
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4888
gcctccctcg cgccatcaga agtaacgtcc gtctatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag aagtaacgtc cgtctactga 480

gcgggctggc aaggc 495

<210> 4889
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4889
gcctccctcg cgccatcaga agtaacgaag agctgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg aagtaacgaa gagctgctga 480

gcgggctggc aaggc 495

<210> 4890
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4890
gcctccctcg cgccatcaga agtaacgtat cgctctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag aagtaacgta tcgctcctga 480

gcgggctggc aaggc 495

<210> 4891
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4891
gcctccctcg cgccatcaga agtaacgtca gatgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc aagtaacgtc agatgcctga 480

gcgggctggc aaggc 495

<210> 4892
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4892
gcctccctcg cgccatcaga agtaacggtg tagcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg aagtaacggt gtagcactga 480

gcgggctggc aaggc 495

<210> 4893
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4893
gcctccctcg cgccatcaga agtaacgtgg cagtttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg aagtaacgtg gcagttctga 480

gcgggctggc aaggc 495

<210> 4894
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4894
gcctccctcg cgccatcaga agtaacgcag tccaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac aagtaacgca gtccaactga 480

gcgggctggc aaggc 495

<210> 4895
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4895
gcctccctcg cgccatcaga agtaacggtg tctactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg aagtaacggt gtctacctga 480

gcgggctggc aaggc 495

<210> 4896
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4896
gcctccctcg cgccatcaga agtaacggta cagtgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag aagtaacggt acagtgctga 480

gcgggctggc aaggc 495

<210> 4897
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4897
gcctccctcg cgccatcaga agtaacggga tcatctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag aagtaacggg atcatcctga 480

gcgggctggc aaggc 495

<210> 4898
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4898
gcctccctcg cgccatcaga agtaacgtat tggcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca aagtaacgta ttggcgctga 480

gcgggctggc aaggc 495

<210> 4899
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4899
gcctccctcg cgccatcaga agtaacgagg cttgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac aagtaacgag gcttgactga 480

gcgggctggc aaggc 495

<210> 4900
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4900
gcctccctcg cgccatcaga agtaacgaca cacgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat aagtaacgac acacgtctga 480

gcgggctggc aaggc 495

<210> 4901
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4901
gcctccctcg cgccatcaga agtaacgtag acggatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga aagtaacgta gacggactga 480

gcgggctggc aaggc 495

<210> 4902
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4902
gcctccctcg cgccatcaga agtaacggag cgatatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt aagtaacgga gcgatactga 480

gcgggctggc aaggc 495

<210> 4903
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4903
gcctccctcg cgccatcaga agtaacggca tctgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca aagtaacggc atctgactga 480

gcgggctggc aaggc 495

<210> 4904
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4904
gcctccctcg cgccatcaga agtaacgtgc tacactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg aagtaacgtg ctacacctga 480

gcgggctggc aaggc 495

<210> 4905
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4905
gcctccctcg cgccatcaga agtaacgaac tgccatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt aagtaacgaa ctgccactga 480

gcgggctggc aaggc 495

<210> 4906
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4906
gcctccctcg cgccatcaga agtaacgttg gactgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg aagtaacgtt ggactgctga 480

gcgggctggc aaggc 495

<210> 4907
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4907
gcctccctcg cgccatcaga agtaacgtcg gtacttcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg aagtaacgtc ggtactctga 480

gcgggctggc aaggc 495

<210> 4908

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4908
gcctccctcg cgccatcaga agtaacgcca tggattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac aagtaacgcc atggatctga 480

gcgggctggc aaggc 495

<210> 4909
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4909
gcctccctcg cgccatcaga agtaacgacg aagattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa aagtaacgac gaagatctga 480

gcgggctggc aaggc 495

<210> 4910
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4910
gcctccctcg cgccatcaga agtaacgact gtggatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt aagtaacgac tgtggactga 480

gcgggctggc aaggc 495

<210> 4911
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4911
gcctccctcg cgccatcaga agtaacgggt gtcattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct aagtaacggg tgtcatctga 480

gcgggctggc aaggc 495

<210> 4912
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4912
gcctccctcg cgccatcaga agtaacgtcg tgaagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg aagtaacgtc gtgaagctga 480

gcgggctggc aaggc 495

<210> 4913
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4913
gcctccctcg cgccatcaga agtaacgcac tagcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa aagtaacgca ctagctctga 480

gcgggctggc aaggc 495

<210> 4914
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4914
gcctccctcg cgccatcaga agtaacgggt caacttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga aagtaacggg tcaactctga 480

gcgggctggc aaggc 495

<210> 4915
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4915
gcctccctcg cgccatcaga agtaacgtac gtacgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc aagtaacgta cgtacgctga 480

gcgggctggc aaggc 495

<210> 4916
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4916
gcctccctcg cgccatcaga agtaacgatg acacctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg aagtaacgat gacaccctga 480

gcgggctggc aaggc 495

<210> 4917
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4917
gcctccctcg cgccatcaga agtaacgctt cacgatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac aagtaacgct tcacgactga 480

gcgggctggc aaggc 495

<210> 4918
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4918
gcctccctcg cgccatcaga agtaacgaga atcagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc aagtaacgag aatcagctga 480

gcgggctggc aaggc 495

<210> 4919
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4919
gcctccctcg cgccatcaga agtaacgagt tatgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa aagtaacgag ttatgcctga 480

gcgggctggc aaggc 495

<210> 4920
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4920
gcctccctcg cgccatcaga agtaacgagg tctcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc aagtaacgag gtctcactga 480

gcgggctggc aaggc 495

<210> 4921
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4921
gcctccctcg cgccatcaga agtaacggtc atagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctcccccag actccaccag ctgcactgtt gtacccaggt aagtaacggt catagtctga 480

gcgggctggc aaggc 495

<210> 4922
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4922
gcctccctcg cgccatcaga agtaacggtg acttgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg aagtaacggt gacttgctga 480

gcgggctggc aaggc 495

<210> 4923
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4923
gcctccctcg cgccatcaga agtaacggat tgcagtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc aagtaacgga ttgcagctga 480

gcgggctggc aaggc 495

<210> 4924
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4924
gcctccctcg cgccatcaga agtaacgact atgactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac aagtaacgac tatgacctga 480

gcgggctggc aaggc 495

<210> 4925
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4925
gcctccctcg cgccatcaga agtaacgatg gtcaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac aagtaacgat ggtcaactga 480

gcgggctggc aaggc 495

<210> 4926
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4926
gcctccctcg cgccatcaga agtaacggat ggctttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac aagtaacgga tggcttctga 480

gcgggctggc aaggc 495

<210> 4927
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4927
gcctccctcg cgccatcaga agtaacgagc atatgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac aagtaacgag catatgctga 480

gcgggctggc aaggc 495

<210> 4928
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4928
gcctccctcg cgccatcaga agtaacgcat atgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg aagtaacgca tatgctctga 480

gcgggctggc aaggc 495

<210> 4929
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4929
gcctccctcg cgccatcaga agtaacgtcg tcgattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc aagtaacgtc gtcgatctga 480

gcgggctggc aaggc 495

<210> 4930
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4930
gcctccctcg cgccatcaga agtaacgcag tctgttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgca gtctgtctga 480

gcgggctggc aaggc 495

<210> 4931

<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4931
gcctccctcg cgccatcaga agtaacgaac gcgtatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg aagtaacgaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 4932
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4932
gcctccctcg cgccatcaga agtaacggta gttcgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc aagtaacggt agttcgctga 480

gcgggctggc aaggc 495

<210> 4933
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4933
gcctccctcg cgccatcaga agtaacgcga actactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac aagtaacgcg aactacctga 480

gcgggctggc aaggc 495

<210> 4934
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4934
gcctccctcg cgccatcaga agtaacgtta acgtctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc aagtaacgtt aacgtcctga 480

gcgggctggc aaggc 495

<210> 4935
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4935
gcctccctcg cgccatcaga agtaacgagc aaccttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac aagtaacgag caacctctga 480

gcgggctggc aaggc 495

<210> 4936
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4936
gcctccctcg cgccatcaga agtaacgttc tcgagtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt aagtaacgtt ctcgagctga 480

gcgggctggc aaggc 495

<210> 4937
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4937
gcctccctcg cgccatcaga agtaacgact ctacgtcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac aagtaacgac tctacgctga 480

gcgggctggc aaggc 495

<210> 4938
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4938
gcctccctcg cgccatcaga agtaacgtac cggaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc aagtaacgta ccggaactga 480

gcgggctggc aaggc 495

<210> 4939
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4939
gcctccctcg cgccatcaga agtaacgcga attgctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac aagtaacgcg aattgcctga 480

gcgggctggc aaggc 495

<210> 4940
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4940
gcctccctcg cgccatcaga agtaacgttc gctcatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca aagtaacgtt cgctcactga 480

gcgggctggc aaggc 495

<210> 4941
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4941
gcctccctcg cgccatcaga agtaacggac gttaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg aagtaacgga cgttaactga 480

gcgggctggc aaggc 495

<210> 4942
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4942
gcctccctcg cgccatcaga agtaacgcgt agagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc aagtaacgcg tagagtctga 480

gcgggctggc aaggc 495

<210> 4943
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4943
gcctccctcg cgccatcaga agtaacgttc cggtatcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc aagtaacgtt ccggtactga 480

gcgggctggc aaggc 495

<210> 4944
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4944
gcctccctcg cgccatcaga agtaacggca attcgtcagc tcagccaaaa ccctgcggct 60

ggtagggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac aagtaacggc aattcgctga 480

gcgggctggc aaggc 495

<210> 4945
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4945
gcctccctcg cgccatcaga agtaacgtga gcgaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc aagtaacgtg agcgaactga 480

gcgggctggc aaggc 495

<210> 4946
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4946
gcctccctcg cgccatcaga agtaacgtac taagctcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc aagtaacgta ctaagcctga 480

gcgggctggc aaggc 495

<210> 4947
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4947
gcctccctcg cgccatcaga agtaacgtgg cgtattcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgt ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagcccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt aagtaacgtg gcgtatctga 480

gcgggctggc aaggc 495

<210> 4948
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4948
gcctccctcg cgccatcaga agtaacggat aaccatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg aagtaacgga taaccactga 480

gcgggctggc aaggc 495

<210> 4949
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4949
gcctccctcg cgccatcaga agtaacgcta gtgaatcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag aagtaacgct agtgaactga 480

gcgggctggc aaggc 495

<210> 4950
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4950
gcctccctcg cgccatcaga agtaacgacg ttcactcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt aagtaacgac gttcacctga 480

gcgggctggc aaggc 495

<210> 4951
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4951
gcctccctcg cgccatcaga agtaacgatt acgcttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacga ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcaaagtaac 420

gattacgctc tgagcgggct ggcaaggc 448

<210> 4952
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4952
gcctccctcg cgccatcaga agtaacgcat tgagttcagc tcagccaaaa ccctgcggct 60

ggtaggggc ctgtggggct gggggctgat gtggctgcgg tctccagggc gggtcgggtc 120

caggggcccc cagcagtcga caagtaacgc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc aagtaacgca ttgagtctga 480

gcgggctggc aaggc 495

<210> 4953
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4953
gcctccctcg cgccatcagg tctcctactt ggttaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gtctcctact tggttactga 480

gcgggctggc aaggc 495

<210> 4954
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4954
gcctccctcg cgccatcagg tctcctaacc tcttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gtctcctaac ctcttgctga 480

gcgggctggc aaggc 495

<210> 4955
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4955
gcctccctcg cgccatcagg tctcctactg attctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gtctcctact gattctctga 480

gcgggctggc aaggc 495

<210> 4956
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4956
gcctccctcg cgccatcagg tctcctaagt accgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gtctcctaag taccgactga 480

gcgggctggc aaggc 495

<210> 4957
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4957
gcctccctcg cgccatcagg tctcctaatc catggccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gtctcctaat ccatggctga 480

gcgggctggc aaggc 495

<210> 4958
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4958
gcctccctcg cgccatcagg tctcctagta gcagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gtctcctagt agcagtctga 480

gcgggctggc aaggc 495

<210> 4959
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4959
gcctccctcg cgccatcagg tctcctaatc ttcgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gtctcctaat cttcgtctga 480

gcgggctggc aaggc 495

<210> 4960
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4960
gcctccctcg cgccatcagg tctcctatcc acagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gtctcctatc cacagtctga 480

gcgggctggc aaggc 495

<210> 4961
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4961
gcctccctcg cgccatcagg tctcctaagc tagtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gtctcctaag ctagtgctga 480

gcgggctggc aaggc 495

<210> 4962
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4962
gcctccctcg cgccatcagg tctcctataa ccaagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gtctcctata accaagctga 480

gcgggctggc aaggc 495

<210> 4963
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4963
gcctccctcg cgccatcagg tctcctacaa gaggtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gtctcctaca agaggtctga 480

gcgggctggc aaggc 495

<210> 4964
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4964
gcctccctcg cgccatcagg tctcctaagt tgaccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gtctcctaag ttgaccctga 480

gcgggctggc aaggc 495

<210> 4965
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4965
gcctccctcg cgccatcagg tctcctacag catatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gtctcctaca gcatatctga 480

gcgggctggc aaggc 495

<210> 4966
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4966
gcctccctcg cgccatcagg tctcctagca ggattccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gtctcctagc aggattctga 480

gcgggctggc aaggc 495

<210> 4967
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4967
gcctccctcg cgccatcagg tctcctagtc cattcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctccccccaga ctccaccagc tgcacctcac actggacacc gtctcctagt ccattcctga 480

gcgggctggc aaggc 495

<210> 4968
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4968
gcctccctcg cgccatcagg tctcctagca taactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gtctcctagc ataactctga 480

gcgggctggc aaggc 495

<210> 4969
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4969
gcctccctcg cgccatcagg tctcctaata tgctgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctaat atgctgctga 480

gcgggctggc aaggc 495

<210> 4970
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4970
gcctccctcg cgccatcagg tctcctaaat cctgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctaaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 4971
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4971
gcctccctcg cgccatcagg tctcctatga gacctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctatg agacctctga 480

gcgggctggc aaggc 495

<210> 4972
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4972
gcctccctcg cgccatcagg tctcctagaa tggacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaga atggacctga 480

gcgggctggc aaggc 495

<210> 4973
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4973
gcctccctcg cgccatcagg tctcctacac atggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaca catggactga 480

gcgggctggc aaggc 495

<210> 4974
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4974
gcctccctcg cgccatcagg tctcctattg accatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctatt gaccatctga 480

gcgggctggc aaggc 495

<210> 4975
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4975
gcctccctcg cgccatcagg tctcctaaag ccatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gtctcctaaa gccatcctga 480

gcgggctggc aaggc 495

<210> 4976
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4976
gcctccctcg cgccatcagg tctcctatcc atgtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctatc catgtgctga 480

gcgggctggc aaggc 495

<210> 4977
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4977
gcctccctcg cgccatcagg tctcctacaa gtcacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctaca agtcacctga 480

gcgggctggc aaggc 495

<210> 4978
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4978
gcctccctcg cgccatcagg tctcctactg caatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtctcctact gcaatcctga 480

gcgggctggc aaggc 495

<210> 4979
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4979
gcctccctcg cgccatcagg tctcctaatc gacgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctaat cgacgactga 480

gcgggctggc aaggc 495

<210> 4980
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4980
gcctccctcg cgccatcagg tctcctaaca gactgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gtctcctaac agactgctga 480

gcgggctggc aaggc 495

<210> 4981
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4981
gcctccctcg cgccatcagg tctcctacct tatagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gtctcctacc ttatagctga 480

gcgggctggc aaggc 495

<210> 4982
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4982
gcctccctcg cgccatcagg tctcctatac gcgttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtctcctata cgcgttctga 480

gcgggctggc aaggc 495

<210> 4983
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4983
gcctccctcg cgccatcagg tctcctacta taaggccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gtctcctact ataaggctga 480

gcgggctggc aaggc 495

<210> 4984
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4984
gcctccctcg cgccatcagg tctcctatct tagtcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtctcctatc ttagtcctga 480

gcgggctggc aaggc 495

<210> 4985
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4985
gcctccctcg cgccatcagg tctcctatgt ctgcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtctcctatg tctgcactga 480

gcgggctggc aaggc 495

<210> 4986
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4986
gcctccctcg cgccatcagg tctcctagcc attaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtctcctagc cattaactga 480

gcgggctggc aaggc 495

<210> 4987
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4987
gcctccctcg cgccatcagg tctcctagac taagaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctaga ctaagactga 480

gcgggctggc aaggc 495

<210> 4988
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4988
gcctccctcg cgccatcagg tctcctaagg ttgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agccctttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtctcctaag gttgctctga 480

gcgggctggc aaggc 495

<210> 4989
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4989
gcctccctcg cgccatcagg tctcctactc gagaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gtctcctact cgagaactga 480

gcgggctggc aaggc 495

<210> 4990
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4990
gcctccctcg cgccatcagg tctcctatta atggcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctccccccaga ctccaccagc tgcacctgac actggacacc gtctcctatt aatggcctga 480

gcgggctggc aaggc 495

<210> 4991
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4991
gcctccctcg cgccatcagg tctcctatgc agacaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gtctcctatg cagacactga 480

gcgggctggc aaggc 495

<210> 4992
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4992
gcctccctcg cgccatcagg tctcctatca ctgagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtctcctatc actgagctga 480

gcgggctggc aaggc 495

<210> 4993
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4993
gcctccctcg cgccatcagg tctcctagag tacgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gtctcctaga gtacgtctga 480

gcgggctggc aaggc 495

<210> 4994
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4994
gcctccctcg cgccatcagg tctcctaata cgccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gtctcctaat acgccactga 480

gcgggctggc aaggc 495

<210> 4995
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 4995
gcctccctcg cgccatcagg tctcctatcg catcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtctcctatc gcatcactga 480

gcgggctggc aaggc 495

<210> 4996
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4996
gcctccctcg cgccatcagg tctcctacgc ttaatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gtctcctacg cttaatctga 480

gcgggctggc aaggc 495

<210> 4997
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4997
gcctccctcg cgccatcagg tctcctatgg ttatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagcccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gtctcctatg gttatcctga 480

gcgggctggc aaggc 495

<210> 4998
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4998
gcctccctcg cgccatcagg tctcctagga ttgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gtctcctagg attgctctga 480

gcgggctggc aaggc 495

<210> 4999
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 4999
gcctccctcg cgccatcagg tctcctactc agtgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtctcctact cagtgactga 480

gcgggctggc aaggc 495

<210> 5000
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5000
gcctccctcg cgccatcagg tctcctaacg tactcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtctcctaac gtactcctga 480

gcgggctggc aaggc 495

<210> 5001
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5001
gcctccctcg cgccatcagg tctcctatga tgcgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtctcctatg atgcgactga 480

gcgggctggc aaggc 495

<210> 5002
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5002
gcctccctcg cgccatcagg tctcctaatt aagcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gtctcctaat taagcgctga 480

gcgggctggc aaggc 495

<210> 5003
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5003
gcctccctcg cgccatcagg tctcctaagc aatccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gtctcctaag caatccctga 480

gcgggctggc aaggc 495

<210> 5004
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5004
gcctccctcg cgccatcagg tctcctagct tagtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gtctcctagc ttagtactga 480

gcgggctggc aaggc 495

<210> 5005
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5005
gcctccctcg cgccatcagg tctcctatga ccttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gtctcctatg accttgctga 480

gcgggctggc aaggc 495

<210> 5006
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5006
gcctccctcg cgccatcagg tctcctacaa ggtcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gtctcctaca aggtcactga 480

gcgggctggc aaggc 495

<210> 5007
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5007
gcctccctcg cgccatcagg tctcctacac tgtacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gtctcctaca ctgtacctga 480

gcgggctggc aaggc 495

<210> 5008
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5008
gcctccctcg cgccatcagg tctcctagat gatccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gtctcctaga tgatccctga 480

gcgggctggc aaggc 495

<210> 5009
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5009
gcctccctcg cgccatcagg tctcctacgc caataccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gtctcctacg ccaatactga 480

gcgggctggc aaggc 495

<210> 5010
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5010
gcctccctcg cgccatcagg tctcctatca agcctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gtctcctatc aagcctctga 480

gcgggctggc aaggc 495

<210> 5011
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5011
gcctccctcg cgccatcagg tctcctaacg tgtgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gtctcctaac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 5012
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5012
gcctccctcg cgccatcagg tctcctatcc gtctaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtctcctatc cgtctactga 480

gcgggctggc aaggc 495

<210> 5013
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5013
gcctccctcg cgccatcagg tctcctaaag agctgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gtctcctaaa gagctgctga 480

gcgggctggc aaggc 495

<210> 5014
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5014
gcctccctcg cgccatcagg tctcctatat cgctcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtctcctata tcgctcctga 480

gcgggctggc aaggc 495

<210> 5015
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5015
gcctccctcg cgccatcagg tctcctatca gatgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gtctcctatc agatgcctga 480

gcgggctggc aaggc 495

<210> 5016
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5016
gcctccctcg cgccatcagg tctcctagtg tagcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gtctcctagt gtagcactga 480

gcgggctggc aaggc 495

<210> 5017
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5017
gcctccctcg cgccatcagg tctcctatgg cagttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gtctcctatg gcagttctga 480

gcgggctggc aaggc 495

<210> 5018
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5018
gcctccctcg cgccatcagg tctcctacag tccaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gtctcctaca gtccaactga 480

gcgggctggc aaggc 495

<210> 5019
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5019
gcctccctcg cgccatcagg tctcctagtg tctacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gtctcctagt gtctacctga 480

gcgggctggc aaggc 495

<210> 5020
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5020
gcctccctcg cgccatcagg tctcctagta cagtgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

ccaagtgggc actgagaaac acagttgttg gcatgcacag gtctcctagt acagtgctga 480

gcgggctggc aaggc 495

<210> 5021
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5021
gcctccctcg cgccatcagg tctcctagga tcatcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gtctcctagg atcatcctga 480

gcgggctggc aaggc 495

<210> 5022
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5022
gcctccctcg cgccatcagg tctcctatat tggcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attccctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gtctcctata ttggcgctga 480

gcgggctggc aaggc 495

<210> 5023
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5023
gcctccctcg cgccatcagg tctcctaagg cttgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gtctcctaag gcttgactga 480

gcgggctggc aaggc 495

<210> 5024
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5024
gcctccctcg cgccatcagg tctcctaaca cacgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

accaggccaa gagtgcgctg agaaacacag ttgttggcat gtctcctaac acacgtctga 480

gcgggctggc aaggc 495

<210> 5025
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5025
gcctccctcg cgccatcagg tctcctatag acggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gtctcctata gacggactga 480

gcgggctggc aaggc 495

<210> 5026
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5026
gcctccctcg cgccatcagg tctcctagag cgataccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gtctcctaga gcgatactga 480

gcgggctggc aaggc 495

<210> 5027
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5027
gcctccctcg cgccatcagg tctcctagca tctgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gtctcctagc atctgactga 480

gcgggctggc aaggc 495

<210> 5028
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5028
gcctccctcg cgccatcagg tctcctatgc tacacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gtctcctatg ctacacctga 480

gcgggctggc aaggc 495

<210> 5029
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5029
gcctccctcg cgccatcagg tctcctaaac tgccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gtctcctaaa ctgccactga 480

gcgggctggc aaggc 495

<210> 5030
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5030
gcctccctcg cgccatcagg tctcctattg gactgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gtctcctatt ggactgctga 480

gcgggctggc aaggc 495

<210> 5031
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5031
gcctccctcg cgccatcagg tctcctatcg gtactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cggtacttca cagtaataaa cggaattttc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gtctcctatc ggtactctga 480

gcgggctggc aaggc 495

<210> 5032
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5032
gcctccctcg cgccatcagg tctcctacca tggatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gtctcctacc atggatctga 480

gcgggctggc aaggc 495

<210> 5033
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5033
gcctccctcg cgccatcagg tctcctaacg aagatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gtctcctaac gaagatctga 480

gcgggctggc aaggc 495

<210> 5034
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5034
gcctccctcg cgccatcagg tctcctaact gtggaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gtctcctaac tgtggactga 480

gcgggctggc aaggc 495

<210> 5035
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5035
gcctccctcg cgccatcagg tctcctaggt gtcatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gtctcctagg tgtcatctga 480

gcgggctggc aaggc 495

<210> 5036
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5036
gcctccctcg cgccatcagg tctcctatcg tgaagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gtctcctatc gtgaagctga 480

gcgggctggc aaggc 495

<210> 5037
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5037
gcctccctcg cgccatcagg tctcctacac tagctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gtctcctaca ctagctctga 480

gcgggctggc aaggc 495

<210> 5038
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5038
gcctccctcg cgccatcagg tctcctaggt caactccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

aggagagtca tcagaagctg ggtgagtcat ataatcagga gtctcctagg tcaactctga 480

gcgggctggc aaggc 495

<210> 5039
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5039
gcctccctcg cgccatcagg tctcctatac gtacgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gtctcctata cgtacgctga 480

gcgggctggc aaggc 495

<210> 5040
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5040
gcctccctcg cgccatcagg tctcctaatg acaccccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gtctcctaat gacaccctga 480

gcgggctggc aaggc 495

<210> 5041
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5041
gcctccctcg cgccatcagg tctcctactt cacgaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gtctcctact tcacgactga 480

gcgggctggc aaggc 495

<210> 5042
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5042
gcctccctcg cgccatcagg tctcctaaga atcagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gtctcctaag aatcagctga 480

gcgggctggc aaggc 495

<210> 5043
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5043
gcctccctcg cgccatcagg tctcctaagt tatgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gtctcctaag ttatgcctga 480

gcgggctggc aaggc 495

<210> 5044
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5044
gcctccctcg cgccatcagg tctcctaagg tctcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctgggggа cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gtctcctaag gtctcactga 480

gcgggctggc aaggc 495

<210> 5045
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5045
gcctccctcg cgccatcagg tctcctagtc atagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt gtctcctagt catagtctga 480

gcgggctggc aaggc 495

<210> 5046
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5046
gcctccctcg cgccatcagg tctcctagtg acttgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtctcctagt gacttgctga 480

gcgggctggc aaggc 495

<210> 5047
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5047
gcctccctcg cgccatcagg tctcctagat tgcagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gtctcctaga ttgcagctga 480

gcgggctggc aaggc 495

<210> 5048
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5048
gcctccctcg cgccatcagg tctcctaact atgacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gtctcctaac tatgacctga 480

gcgggctggc aaggc 495

<210> 5049
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5049
gcctccctcg cgccatcagg tctcctaatg gtcaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtctcctaat ggtcaactga 480

gcgggctggc aaggc 495

<210> 5050
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5050
gcctccctcg cgccatcagg tctcctagat ggcttccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gtctcctaga tggcttctga 480

gcgggctggc aaggc 495

<210> 5051
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5051
gcctccctcg cgccatcagg tctcctaagc atatgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtctcctaag catatgctga 480

gcgggctggc aaggc 495

<210> 5052
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5052
gcctccctcg cgccatcagg tctcctacat atgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gtctcctaca tatgctctga 480

gcgggctggc aaggc 495

<210> 5053
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5053
gcctccctcg cgccatcagg tctcctatcg tcgatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gtctcctatc gtcgatctga 480

gcgggctggc aaggc 495

<210> 5054
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5054
gcctccctcg cgccatcagg tctcctacag tctgtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagcccctc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctaca gtctgtctga 480

gcgggctggc aaggc 495

<210> 5055
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5055
gcctccctcg cgccatcagg tctcctaaac gcgtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gtctcctaaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 5056
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5056
gcctccctcg cgccatcagg tctcctagta gttcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gtctcctagt agttcgctga 480

gcgggctggc aaggc 495

<210> 5057
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5057
gcctccctcg cgccatcagg tctcctacga actacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gtctcctacg aactacctga 480

gcgggctggc aaggc 495

<210> 5058
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5058
gcctccctcg cgccatcagg tctcctatta acgtcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gtctcctatt aacgtcctga 480

gcgggctggc aaggc 495

<210> 5059
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5059
gcctccctcg cgccatcagg tctcctaagc aacctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gtctcctaag caacctctga 480

gcgggctggc aaggc 495

<210> 5060
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5060
gcctccctcg cgccatcagg tctcctattc tcgagccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gtctcctatt ctcgagctga 480

gcgggctggc aaggc 495

<210> 5061
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5061
gcctccctcg cgccatcagg tctcctaact ctacgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gtctcctaac tctacgctga 480

gcgggctggc aaggc 495

<210> 5062
<211> 495
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5062
gcctccctcg cgccatcagg tctcctatac cggaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtctcctata ccggaactga 480

gcgggctggc aaggc 495

<210> 5063
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5063
gcctccctcg cgccatcagg tctcctacga attgcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gtctcctacg aattgcctga 480

gcgggctggc aaggc 495

<210> 5064
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5064
gcctccctcg cgccatcagg tctcctattc gctcaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gtctcctatt cgctcactga 480

gcgggctggc aaggc 495

<210> 5065
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5065
gcctccctcg cgccatcagg tctcctagac gttaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtctcctaga cgttaactga 480

gcgggctggc aaggc 495

<210> 5066
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5066
gcctccctcg cgccatcagg tctcctacgt agagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac gtagagttca cacagtaata cgtggctgtg 180

tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gtctcctacg tagagtctga 480

gcgggctggc aaggc 495

<210> 5067
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5067
gcctccctcg cgccatcagg tctcctattc cggtaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

ccccagactc taccagctac acttcacatt ggacacctgc gtctcctatt ccggtactga 480

gcgggctggc aaggc 495

<210> 5068
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5068
gcctccctcg cgccatcagg tctcctagca attcgccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gtctcctagc aattcgctga 480

gcgggctggc aaggc 495

<210> 5069
<211> 495
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5069
gcctccctcg cgccatcagg tctcctatga gcgaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtctcctatg agcgaactga 480

gcgggctggc aaggc 495

<210> 5070
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5070
gcctccctcg cgccatcagg tctcctatac taagcccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagcccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtctcctata ctaagcctga 480

gcgggctggc aaggc 495

<210> 5071
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5071
gcctccctcg cgccatcagg tctcctatgg cgtatccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctat ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc cagccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gtctcctatg gcgtatctga 480

gcgggctggc aaggc 495

<210> 5072
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5072
gcctccctcg cgccatcagg tctcctagat aaccaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctag ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gtctcctaga taaccactga 480

gcgggctggc aaggc 495

<210> 5073
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5073
gcctccctcg cgccatcagg tctcctacta gtgaaccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gtctcctact agtgaactga 480

gcgggctggc aaggc 495

<210> 5074
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5074
gcctccctcg cgccatcagg tctcctaacg ttcacccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcagggagt gggcacctgt gtctcctaac gttcacctga 480

gcgggctggc aaggc 495

<210> 5075
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5075
gcctccctcg cgccatcagg tctcctaatt acgctccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctaa ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagtctcct 420

aattacgctc tgagcgggct ggcaaggc 448

<210> 5076
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5076
gcctccctcg cgccatcagg tctcctacat tgagtccagc cacacagacc cccgggctga 60

gacccaggca gggaggggtg acgttcccag ggagacggtg gccgggctgc cctggcccca 120

gtgctccaag cacttgtcga cgtctcctac attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

caggcccaga ctgcaccagc tgcactcggg agtgggcacc gtctcctaca ttgagtctga 480

gcgggctggc aaggc 495

<210> 5077
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5077
gcctccctcg cgccatcagg tagacacctt ggttacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc ttggttatca acagtaatac acggccgtgt 180

cgtcagatct cagcctgctc agctccatgt aggctgtgct gatggacgtg tccctggtca 240

tggtgaccct gccctgaaac ttctgtgcat agtttgtgcc accactgtta gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagccgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggctcc gtagacacct tggttactga 480

gcgggctggc aaggc 495

<210> 5078
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5078

gcctccctcg cgccatcagg tagacacacc tcttgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cctcttgtca acagtaatac acagccatgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgcggatgtg tccctggtaa 240

tggtgactct gccctggaac tcctgtgaat attttgtgtt accattgcca gcgttgctcc 300

atcccatcca ctcaagcctt tgtccggggg cctggcgcac ccaatgcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgaacctggg agtggacacc gtagacacac ctcttgctga 480

gcgggctggc aaggc 495

<210> 5079
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5079
gcctccctcg cgccatcagg tagacacctg attctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tgattcttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct tatggaggtg ttcctggtca 240

tggtgactct gccctggaac ttctgtgcat agcctgtgtt accactgtta gggttcatcc 300

atcccatcca ctcaagccct tgtccagtgg cctgtcgcac ccagttgata tcataactgg 360

tgaaggtgta tccagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgggcacc gtagacacct gattctctga 480

gcgggctggc aaggc 495

<210> 5080
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5080
gcctccctcg cgccatcagg tagacacagt accgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gtaccgatca acagtaatac acggccgtgt 180

cgtcagatct caggctcctc agctccatgt aggctgtgct cgtggatgtg tctgtggtca 240

tggtgactct gccctggagc ttctgtgcat agtttgtgtt accattgtaa gcgctgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata ccatagctgg 360

taaaggtgta accagaagcc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagctccaga ctgcaccagc tgaacctggg agtgggcacc gtagacacag taccgactga 480

gcgggctggc aaggc 495

<210> 5081
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5081
gcctccctcg cgccatcagg tagacacatc catggcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tccatggtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagatgtg tcctcggtca 240

tggtgactct gccctggaac ttctgtgcgt agattgtttc accatcttca ggatcaaaac 300

ctcccatcca ctcaagccct tttccaggag cctgtcgcac ccagtgcatg gataattcag 360

tgagggtgta tccggaaacc ttgcaggaga ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctggg cgtgggtgcc gtagacacat ccatggctga 480

gcgggctggc aaggc 495

<210> 5082
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5082
gcctccctcg cgccatcagg tagacacgta gcagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tagcagttca acagtaatac atggctgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct catagacctg tccctggtaa 240

tggtgactct gtcctggaat ttctgtgcgt agttggtgtt accattgaaa ggtgtgatcc 300

atcccatcca ctcaagcgct tgtccggggg cctgtcgcac ccagtgcagg tagcggtagg 360

tgaaggtgta tccggaagcc ttgcaggaaa ccttcactga ggacccagtc ttcttcacct 420

cagccccaga ctgcaccagc tgcatctggg agtaggcatc gtagacacgt agcagtctga 480

gcgggctggc aaggc 495

<210> 5083
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5083
gcctccctcg cgccatcagg tagacacatc ttcgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tcttcgttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt agactgtgct cgtggacgtg tccctggtca 240

tggtgactct gccctggaac ttctgtgcgt agcttgtgct accaccacta gggttgatta 300

ttcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagtgcata tagtagctgg 360

tgaaggtgta tccagatgcc ttgcaggaaa ccttcactga ggccccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg agtgagcacc gtagacacat cttcgtctga 480

gcgggctggc aaggc 495

<210> 5084
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5084
gcctccctcg cgccatcagg tagacactcc acagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccacagttca acagtaatac acggccgtgt 180

cctcggatct caggctgctc agctccatgt aggctgtgct tgtggacatg tccctggtaa 240

tggtgactct ttcctggaac ttctgtgcgt agtttgtgtt accactgcca acgacgatcc 300

atcctatcca ctcaaggcgt tgtccacgag cctgtcgcac ccactgcata gcagagctag 360

taaaggtgaa tccagaagcc ttgcaggaga ccttcactga ggtcccaggc ttcttcacct 420

caggcccaga ctgcaccagc tgcatttggg agtgggcacc gtagacactc cacagtctga 480

gcgggctggc aaggc 495

<210> 5085
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 5085
gcctccctcg cgccatcagg tagacacagc tagtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gctagtgtca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgct cgtggatttg tccgcggtaa 240

tcgtgactct gccctggaac ttctgtgcgt agtttgctgt accaaagata gggatgatcc 300

ctcccatcca ctcaagccct tgtccagggg cctgtcgcac ccagctgata gcatagctgc 360

tgaaggtgcc tccagaagcc ttgcaggaga ccttcaccga ggacccaggc ttcttcacct 420

cagccccaga ctgcaccagc tgcacctggg actggacacc gtagacacag ctagtgctga 480

gcgggctggc aaggc 495

<210> 5086
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5086
gcctccctcg cgccatcagg tagacactaa ccaagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact aaccaagtca atagtaatac acagccatgt 180

cctcagatgt caggctgctc aggtctgtgt aggctgtggt tgtggacatg tccctggtca 240

tggtgaatct gccctgaaac ttcttggcat agcttgggct accattgcca gggttgatcc 300

atcccatcca ctcaagccct tgtccagggg actgttgcac ccaatgtata ccgtagctgg 360

tgatggtaaa cccagaaaaa ctacaggaga ctttcactga ggccccagac ttcctcacct 420

cagcccaaga ctgcaccagc tggacctggg agtgggcacc gtagacacta accaagctga 480

gcgggctggc aaggc 495

<210> 5087
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5087
gcctccctcg cgccatcagg tagacaccaa gaggtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aagaggttca acagtaatac acggccgtgt 180

cctcagatct caggctgctc agctccatgt aggctgtgtc tgtagacgtg tccgcggtta 240

tggtgactct gccctggaac ttctctgcgt atattgtttc accatcttca ggatcaacaa 300

gtcccatcca ctcaagccct tttccagggg cctgttgcac ccagtgcatg tagtagtcgg 360

tgaaggtgta tccagaaacc ttgcaggaga ttttcactgt agccccaggc ttcttcacct 420

cagccccaga ctgtaccagc tggacctcgg cgtgggtgcc gtagacacca agaggtctga 480

gcgggctggc aaggc 495

<210> 5088
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5088
gcctccctcg cgccatcagg tagacacagt tgacccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gttgacctca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

tgatggtgag cctgctcttc agagatgggc tgtagcgctt atcatcattc caataaatga 300

gtgcaagcca ctccagggcc tttcctgggg gctgacggat ccagcccaca cccactccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagcgt gagggtctgt gtgggtttca 420

ccagcgtagg accagactcc ttcaaggtga tctgggacaa gtagacacag ttgaccctga 480

gcgggctggc aaggc 495

<210> 5089
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5089
gcctccctcg cgccatcagg tagacaccag catatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agcatattca tgcacagtaa tatgtggctg 180

tgtccacagg gtccatgttg gtcatggtaa ggaccacctg gcttttggag gtgtccttgg 240

agatggtgag cctgctcttc agagatgtgc tgtaggattt ttcgtcattc gaaaaaatgt 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cccattctag 360

cattgctgag tgagaaccca gagacggtgc aggtcagcgt gagggtctct gtgggtttca 420

ccagcacagg accagactcc ttcaaggtga cctgggacaa gtagacacca gcatatctga 480

gcgggctggc aaggc 495

<210> 5090
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5090
gcctccctcg cgccatcagg tagacacgca ggattcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg caggatttca tgcacaataa tacgtggctg 180

tgtccacagg gtccatgttg gtcattgtaa ggaccacctg gtttttggag gtgtccttgg 240

agatggtgag cctggtcttc agagatgtgc tgtagtattt atcatcatcc caatcaatga 300

gtgcaagcca ctccagggcc ttccctgggg gctgacggat ccagctcaca cacattccac 360

tagtgctgag tgagaaccca gagaaggtgc aggtcagtgt gagggtctgt gtgggtttca 420

ccagcgcagg accagactcc ctcaaggtga cctgggataa gtagacacgc aggattctga 480

gcgggctggc aaggc 495

<210> 5091
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5091
gcctccctcg cgccatcagg tagacacgtc cattccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tccattctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtccacat agtatttctc acttccatct tgctttatgt 300

tggccaccca ctccagcccc ttccctggag cctggcggac ccagctcatc caatagctac 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacgt ccattcctga 480

gcgggctggc aaggc 495

<210> 5092
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5092
gcctccctcg cgccatcagg tagacacgca taactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg cataacttca tgcacagtaa tacaaggccg 180

tgtcctcagc tctcagactg ttcatttgca gatacaggga gttcttggcg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtccg catagcctat gctaccacta ttccaactaa 300

tacctgagac ccactccagg cccttccctg gagcttgccg gacccagtgc atggcataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacctgcca ggctgtacca 420

agcctccccc agactccacc agctgcactt cacactggac gtagacacgc ataactctga 480

gcgggctggc aaggc 495

<210> 5093
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5093
gcctccctcg cgccatcagg tagacacata tgctgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tatgctgtca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tccctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actaccacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggat ccagctcatg tagtagtcac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc ttgaccaagc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacat atgctgctga 480

gcgggctggc aaggc 495

<210> 5094
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5094
gcctccctcg cgccatcagg tagacacaat cctgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca atcctgctca acagtaatac acagccgtgt 180

ccccggctct caggctgttc atttgaagat acaaggagtt cttggcattt tctctggaga 240

tggtgaatcg gcccttcacg gagcctggat agtatgtgtc accagcagta ccaatagctg 300

agacccactc cagacctttt cctgtagctt ggcggaccca gtgcatgtcg tagctactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtagacacaa tcctgcctga 480

gcgggctggc aaggc 495

<210> 5095
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5095
gcctccctcg cgccatcagg tagacactga gacctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gagaccttca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat acagcgtgtt ttttgaatca tctcttgaga 240

tggtgaatct gcctttcacg ggtgcagcgt agtctgttgt cccaccatca gttttgcttt 300

taatacggcc aacccactcc agccccttcc ctggagcctg gcggacccag ctcatccagg 360

cgttactgaa agtgaatcca gaggctgcac aggagagtct aagggacccc ccaggcttta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacactg agacctctga 480

gcgggctggc aaggc 495

<210> 5096
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5096
gcctccctcg cgccatcagg tagacacgaa tggaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg aatggactca acagtaatac acagccatgt 180

cctcggctct ccgtctgttc ttttgcagat acagggagtt cctggaattg tctctggaga 240

tgatgaatcg gcgcttcacg gagtccacat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag ccttgcgggc ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacga atggacctga 480

gcgggctggc aaggc 495

<210> 5097
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5097
gcctccctcg cgccatcagg tagacaccac atggacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc acatggatca acagtgatac aaggccgtgt 180

cctcggctct cagactgttc atttgcagat acagggagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcat aacctgtgct accaccattc caattaatac 300

cagagaccca ctccagcccc ttccctggag cttggcggac ccagctcatg ccataatcat 360

caaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc cgtaccacac 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacca catggactga 480

gcgggctggc aaggc 495

<210> 5098
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5098
gcctccctcg cgccatcagg tagacacttg accatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tgaccattca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcact gagtctgcgt agtatatgta actactacta ctactaatgg 300

atgagaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc ttgaccaggc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacactt gaccatctga 480

gcgggctggc aaggc 495

<210> 5099
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5099
gcctccctcg cgccatcagg tagacacaag ccatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca agccatctca acagtaatat acggccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaaccg gcccttcacg gagtctgcgt agtatgtgct accaccacta ccactaatag 300

ctgagaccca ctccagcccc ttccctggag cctggcggac ccagctcatg gcatagctgc 360

taaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaacagc tgcacctcac actggacacc gtagacacaa gccatcctga 480

gcgggctggc aaggc 495

<210> 5100
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5100
gcctccctcg cgccatcagg tagacactcc atgtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccatgtgtca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacactc catgtgctga 480

gcgggctggc aaggc 495

<210> 5101
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5101

gcctccctcg cgccatcagg tagacaccaa gtcaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aagtcactca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca tatgatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacca agtcacctga 480

gcgggctggc aaggc 495

<210> 5102
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5102
gcctccctcg cgccatcagg tagacacctg caatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tgcaatctca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccatataa 300

ctgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga cctcccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacacct gcaatcctga 480

gcgggctggc aaggc 495

<210> 5103
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5103
gcctccctcg cgccatcagg tagacacatc gacgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tcgacgatca acagtaatac acagccgtgt 180

cctcggccct caggctattc gtttgcagat acagggtgtt cctggaattg tctctggaga 240

tgatgaatcg gcccttcaca gagtctgcat agtgcgtcct actgccattc caactaacac 300

ccgataccca ctccagcccc tttcctggag cctgatggac ccagttcatg tcactgttac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga tcccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacat cgacgactga 480

gcgggctggc aaggc 495

<210> 5104
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5104
gcctccctcg cgccatcagg tagacacaca gactgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cagactgtca acagtaatac acggccgtgc 180

cctcagctct caggttgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag ccccttccct ggagcctggc ggatccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagcctcccc 420

cagactccac cagctgcacc tcacactgga cacctgcaaa gtagacacac agactgctga 480

gcgggctggc aaggc 495

<210> 5105
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5105
gcctccctcg cgccatcagg tagacaccct tatagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc cttatagtca tgcacagtaa tacaaggcgg 180

tgtcctcagt tctcagactg ttcatttgca gatacaggga gtttttgctg ttgtctctgg 240

agatggtgaa tcggcccttc acagagtctg catagtatgt gctaccacca tcccaactaa 300

taagagagac ccactccaga cccttccccg gagcttgacg gacccagtgc atggtataat 360

catcaaaggt gaatccagag gctgcacagg agagtctcag ggacccccca ggctgtacca 420

cgactccccc agactccacc agctgcactt cacactggac gtagacaccc ttatagctga 480

gcgggctggc aaggc 495

<210> 5106
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5106
gcctccctcg cgccatcagg tagacactac gcgttcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact acgcgtttca acagtaatac acagccgtgt 180

cctcgtctct caggctgttc atttgcagat acagtgagtt cttggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctactaatgt 300

atgaaaccca ctccagcccc ttccctggag cctggcggac ccagttcatg ctatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgtaccaagc 420

ctcccccaga ctccaccagc tgcacctcac actggacacc gtagacacta cgcgttctga 480

gcgggctggc aaggc 495

<210> 5107
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5107
gcctccctcg cgccatcagg tagacaccta taaggcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tataaggtca acagtaatac acggctgtgt 180

cctcggtttt caggctgttc atttgcagat aggcgatgct tttggaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgttgt cccaccataa gctttgcttc 300

taatgaaacc tacccactcc agccccttcc ctggagcctg gcggaaccag ctcatagcat 360

aatcaccaaa ggtgaatcca gaagctgtac aggagagtct cagggaccgc cctggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacattg gtagacacct ataaggctga 480

gcgggctggc aaggc 495

<210> 5108
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 5108
gcctccctcg cgccatcagg tagacactct tagtccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cttagtctca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accaccgcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtagacactc ttagtcctga 480

gcgggctggc aaggc 495

<210> 5109
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5109
gcctccctcg cgccatcagg tagacactgt ctgcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gtctgcatca acagtaatac acagccatgt 180

cctcagctct caggctgccc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcaca gagtctgcat aatatgtgct acccccatta ctactaatag 300

ctgaaacata ttccagtccc ttccctggag cctggcggac ccagtgcata gcatagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtagacactg tctgcactga 480

gcgggctggc aaggc 495

<210> 5110
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5110
gcctccctcg cgccatcagg tagacacgcc attaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg ccattaatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcgt agtatgtgct accacagcta taaataactg 300

agacccactc cagccccttc cctggagcct ggcggaccca gctcatgtag ttgctactga 360

cggtgaaccc agaggctgca caggagagtc tcagggaccc cccaggctgg atcaagcctc 420

ctccagactc caccagctgc acctcacact ggacacctgc gtagacacgc cattaactga 480

gcgggctggc aaggc 495

<210> 5111
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5111
gcctccctcg cgccatcagg tagacacgac taagacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg actaagatca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acagtgagtt ctttgaatca tctcttgaga 240

tggtgaatct gcctttcaca gacgcggcgt attctgtggt gtaactgtta gctttgtttc 300

tagtacggcc aacccactcc agccccttcc ctggagcctg gcggacccag tccatgtagt 360

ggtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggaccct ccaggctgga 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacacga ctaagactga 480

gcgggctggc aaggc 495

<210> 5112
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5112
gcctccctcg cgccatcagg tagacacagg ttgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggttgcttca acagtaatac acggccgtgt 180

cctcggtttt caggctgttc atttgcagat acgccgtgtt ctttgaatca tctctggaga 240

tggtgaacct gcctttcacc gacgcagcat atgctgtcgc gtaactgtta gctttgcttc 300

taatacggcc aacccactcc agcccttcc cggaagcctg gcggacccag tgcatagcag 360

agccactgaa ggtgaaccca gaggctgcac aggagagttt cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtagacacag gttgctctga 480

gcgggctggc aaggc 495

<210> 5113
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5113
gcctccctcg cgccatcagg tagacacctc gagaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tcgagaatca acagtaatac acagccgtgt 180

cctcggctct cagactgttc atttgcagat acagcgtgtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcacg gagtccgcgt agcttgtgct actcccatca ctattaatac 300

gtgagaccca caccagcccc ttccctggag cttggcggac ccagtgcatc cagtagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tgaactaagc 420

ctcccccgga ctccaccagc tgcacctcac actggacacc gtagacacct cgagaactga 480

gcgggctggc aaggc 495

<210> 5114
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5114
gcctccctcg cgccatcagg tagacactta atggccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact taatggctca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgcagat acagcgtgtt cttggaattg tctctggaga 240

tggtgaatcg gcccttcacg gagtctgcat agtatttatt acttccatca taccgtataa 300

atgccaccca ctccagcccc ttgcctggag cctggcggac ccagtgcatg ccatagctac 360

tgaaggtgaa tccagacgct gcacaggaga gtctcaggga ccccccaggc tggaccacgc 420

ctcccccaga ctccaccagc tgcacctgac actggacacc gtagacactt aatggcctga 480

gcgggctggc aaggc 495

<210> 5115
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5115
gcctccctcg cgccatcagg tagacactgc agacacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gcagacatca acagtaatac acagccgtgt 180

cctcagctct caggctgttc atttgaagat gcagcgtgtt cttggaattg tctctggaga 240

tggtgaatct gcccttcctg gagtctgcgt agtatgtgct accaccacta atggatgaga 300

cccactccag acccttccct ggagcctggc ggacccagct catctcattg ctactgacgg 360

tgaatccaga ggctgcacag gagagtctca gggacccccc aggctgtacc aagactcccc 420

gagactccac cagctgcacc tcacactgga cacctgcaaa gtagacactg cagacactga 480

gcgggctggc aaggc 495

<210> 5116
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5116
gcctccctcg cgccatcagg tagacactca ctgagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cactgagtca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactggta tagatacgcc 300

caatccactc cagtcccttc ccggcgggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtagacactc actgagctga 480

gcgggctggc aaggc 495

<210> 5117
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5117
gcctccctcg cgccatcagg tagacacgag tacgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg agtacgttca acagtaatac acggccgtgt 180

ccacggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgaca 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatgtacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gccccaccag ttactactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt gtccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggaccac gtagacacga gtacgtctga 480

gcgggctggc aaggc 495

<210> 5118
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5118
gcctccctcg cgccatcagg tagacacata cgccacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tacgccatca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacctg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatgtacc 300

caatccactc caggcccttc cctggtggct gccggatcca gctccaggag taaccaccac 360

tgctgatgga gccaccagag acagcgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgagcc ggactcctgc agctgcagct gggacaggac gtagacacat acgccactga 480

gcgggctggc aaggc 495

<210> 5119
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5119
gcctccctcg cgccatcagg tagacactcg catcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgcatcatca acagtaatac acggccgtgt 180

ctgcggcagt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggggct ggcggatcca actccagtag taatcaccac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtagacactc gcatcactga 480

gcgggctggc aaggc 495

<210> 5120
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5120
gcctccctcg cgccatcagg tagacaccgc ttaatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gcttaattca acagtaatac acggccgtgt 180

ccgcggcagt cacagagctc agcttcaggg agaactggtt cttagacgtg tctactgata 240

tggtaactcg actcttgagg gacgggttgt agtaggtgct cccactgtaa tagatgtacc 300

caatccactc caggcccttc cctgggtgct ggcggatcca gctccagtag taaccaccac 360

tgctgatgga gccaccagag acagtacagg tgagggacag ggtctgtgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct ggggcaggac gtagacaccg cttaatctga 480

gcgggctggc aaggc 495

<210> 5121
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5121
gcctccctcg cgccatcagg tagacactgg ttatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggttatctca acagtaatac acagccgtgt 180

ccgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agttggtgct tccactatga ttgatttccc 300

caatccactc cagccccttc cctgggggct ggcggatcca gctccagtag taaccactga 360

aggacccacc atagacagcg caggtgaggg acagggtctc cgaaggcttc aacagtcctg 420

cgccccactg ctgtagctgc acctgggaca ggacccctgt gtagacactg gttatcctga 480

gcgggctggc aaggc 495

<210> 5122
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5122
gcctccctcg cgccatcagg tagacacgga ttgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gattgcttca acagtaatac acagccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctacggata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactataa tagatactcc 300

caatccactc cagccccttc cctgggggct ggcggatcca gccccagtag taactactac 360

tgctgatgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcagct gggacaggac gtagacacgg attgctctga 480

gcgggctggc aaggc 495

<210> 5123
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5123
gcctccctcg cgccatcagg tagacacctc agtgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tcagtgatca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taactactga 360

tggagccacc agagacagtg caggtgaggg acagggtctc cgaaggcttc accagtcctg 420

ggcccgactc ctgcagctgc acctgggaca ggacccctgt gtagacacct cagtgactga 480

gcgggctggc aaggc 495

<210> 5124
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5124

gcctccctcg cgccatcagg tagacacacg tactccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgtactctca acagtaatac acggccgtgt 180

ccgcagcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gaggggttgt agttggtgct cccactgtaa tagatatacc 300

caatccactc cagtcccttc cctgggggct gccggatcca gctccagtag taaccaccac 360

tgctgacgga gccaccagag acagtgcagg tgagggacag ggtctccgaa ggcttcacca 420

gtcctgggcc cgactcctgc agctgcacct gggacaggac gtagacacac gtactcctga 480

gcgggctggc aaggc 495

<210> 5125
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5125
gcctccctcg cgccatcagg tagacactga tgcgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gatgcgatca acagtaatac acggccgtgt 180

ctgcggcggt cacagagctc agcttcaggg agaactggtt cttggacgtg tctactgata 240

tggtgactcg actcttgagg gacgggttgt agtaggtgct cccactatga tagatactcc 300

caatccactc cagcccttc cctgggggct gccggatcca gccccagtag taaccactgc 360

tgatggagta accagagaca gcgcaggtga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtagacactg atgcgactga 480

gcgggctggc aaggc 495

<210> 5126
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5126
gcctccctcg cgccatcagg tagacacatt aagcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ttaagcgtca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcggtgct gatggacttg tcggctgaga 240

tggtgacctg gccttggaag gacgggctgt atctggtatc agagtcacca ggatagatga 300

tccccatcca ctccaggcct ttcccgggca tctggcgcac ccagccgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcttcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacctcgg cacagactcc gtagacacat taagcgctga 480

gcgggctggc aaggc 495

<210> 5127
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5127
gcctccctcg cgccatcagg tagacacagc aatcccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcaatcctca acagtaatac atggcggtgt 180

ccgaggcctt caggctgctc cactgcaggt aggcagtgct gatggacttg tcagctgaga 240

tggtgacgtg gccttggaag gacgggctgt agttggtata agagtcacta ggatcaatcc 300

tccccatcca ctccaagcct ttcccgggca tctggcgcac ccagctgatc cagtagctgg 360

taaagctgta tccagaaccc ttacaggaga tcctcagaga ctccccgggc tttttcacct 420

ctgctccaga ctgcaccagc tgcacttcgg cacagactcc gtagacacag caatccctga 480

gcgggctggc aaggc 495

<210> 5128
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5128
gcctccctcg cgccatcagg tagacacgct tagtacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg cttagtatca acagtaatac acagccgtgt 180

cctcgggagt cacagagttc agctgcaggg agaactggtt cttggatgtg tctgggttga 240

tggttattcg acttttcaca gatactgcat aatcattata ccacttggac ctgtagtatg 300

tccttcccag ccactcaagg cctctcgatg gggactgcct gatccagttc caagcagcac 360

tgttgctaga gacactgtcc ccggagatgg cacaggtgag tgagagggtc tgcgagggct 420

tcaccagtcc tggacctgac tgctgcagct gtacctgtga gtagacacgc ttagtactga 480

gcgggctggc aaggc 495

<210> 5129
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5129
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gaccttgtca acagtaatac acggcagtgt 180

cctcagcctt taggctgcag atctgcagat atgccgtgct gacagaggtg tccaaggaga 240

agacaaaccg tcctgtgaag ccctgggcat acgttgggtt cccagtgttg gtgttgatcc 300

atcccatcca ctcaagccct tgtccagggg cctgtcgcac ccaattcata gcatagctag 360

tgaaggtgta tccagaagcc ttgcaggaaa ccttcactga ggccccaggc ttcttcaact 420

cagacccaga ttgcaccagc tgcacctggg agtgggcacc gtagacactg accttgctga 480

gcgggctggc aaggc 495

<210> 5130
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5130
gcctccctcg cgccatcagg tagacaccaa ggtcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc aaggtcatca acagtaatac atggccatgt 180

cctcagcctt taggctgctg atctgcaggt atgctgtgct ggcagaggtg tccatggaga 240

agacaaaccg tcctgtgaag ccctgggcat atgttgggtt cccagtgtag gtgttgaacc 300

atcccatcca ctcaagccct tgtccagggg cctgtggcac ccaattcata ccataggtgg 360

tgaaactgta accagaagcc ttgcaggaga ccttcactga ggccccaggc tgcttcacct 420

catggccaga ctgcaccagc tgcacctggg agtaggtacc gtagacacca aggtcactga 480

gcgggctggc aaggc 495

<210> 5131
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 5131
gcctccctcg cgccatcagg tagacaccac tgtaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc actgtactca gggaatgtgc ggccctgccc 180

ttggccatca cggagctcag ctgcagggat aactgggcct tggatgtgtc tctacagatg 240

gagagttggc ccagaaaggc tgggctgaag tgtgtgctgc ccctggagct gaggtgcccc 300

agcgccttcc cagagggctg ctgggtccag gcccagaggt ctgtgaggac ctcaccagcc 360

ctgggcatga ctccagtagc tgcatctgat gcaggacact cagggacaag aagcaaagag 420

atgagtcaca agcggacacc acagcccaca gcccccgttc gtagacacca ctgtacctga 480

gcgggctggc aaggc 495

<210> 5132
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5132
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg atgatcctca gtataaaaat ccatggtggt 180

ttactcattg tgcgggtagc tcagctgtag gaaaaactgt tttctgaatg tggatctgga 240

ggtggtgact ggactcttga gaagcgggtt gcactgtgtg tttcctcgtg acctacacac 300

ctgacccact tcagcttctt ccctgggggc tggcagatac agctccagga ggaagtactg 360

gttatgattg gaaatccaga gacagcacag gtgaaggaga gggtctctga gggctttact 420

agaacatgag tgcactgaaa aacacaattt ttttcatagg gtagacacga tgatccctga 480

gcgggctggc aaggc 495

<210> 5133
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5133
gcctccctcg cgccatcagg tagacaccgc caatacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gccaatatca ataaaaatca tggttgtgta 180

ctccttgtta aggtagctca gctgtaggag aaactgtttt ttggatgtgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga ttgtgcactc cctcatgacc tgtgcacctg 300

attcgctcca gtcccttccc cgggggggtga cggatccagc tccagcagga agcactggtt 360

gtaatggaga agcagagatg ccacaggcca gggggaggat ctgtgagggc ttcaccaggc 420

caggagtgca ccgagaatca cagttgtcgg catgcacagg gtagacaccg ccaatactga 480

gcgggctggc aaggc 495

<210> 5134
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5134
gcctccctcg cgccatcagg tagacactca agcctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact caagccttca cagtaatact cagccgtgtc 180

ctaggtggtc atggagctga gcttcacaga gaactggctc ttggttgagt cactgttgat 240

ggggacatgg acctgggtgg agggtgcatg atgtgtattc cttgatgatc cagtctagta 300

actgtgcccc agccattcca gcctgttgcc cacgggatgg tggattcatc tcaaataata 360

tccatggtaa aaaaaagaat ccagacacag cacaggcaga gggcagtgtc tgagggcctc 420

atgggtcctg gacctgactc ctgcagctgc acctgggaca gtagacactc aagcctctga 480

gcgggctggc aaggc 495

<210> 5135
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5135
gcctccctcg cgccatcagg tagacacacg tgtgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgtgtgttca cttaaaaatg cgtagttgtg 180

tgttcactgg gcacagagct cagctgtaag aactgtttct tggatctgga tatggactct 240

tgagcagtgg gttgtaattt gtgctccctt cacaacccat gcacctgatc cactcctgtc 300

catcttctag gggcaagcag atacaattct agcaggaaac actggttatg atggggaatc 360

cagagacagt gcaggtgagg agagggtctg caaggagtct caagccagaa gtgtgctgag 420

aaacatagtt gttgatgtta acaggttctg ggcaacacag gtagacacac gtgtgtctga 480

gcgggctggc aaggc 495

<210> 5136
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5136
gcctccctcg cgccatcagg tagacactcc gtctacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ccgtctatca gctctaaaat acatggctat 180

gtgtttgttc ctcacatagt tcagctgtaa gaagaactac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatttgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gcaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtagacactc cgtctactga 480

gcgggctggc aaggc 495

<210> 5137
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5137
gcctccctcg cgccatcagg tagacacaag agctgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca agagctgtca ttcaaaatgt gtagttgtgt 180

gttcactggg cacagagctc agctgtaaga actgtttctt ggatctggat atggactctt 240

gagaagtggg atgtaatttt tgctcccttt acaacccatg aacctgatcc actcctgtcc 300

atcttctagg ggcaagcaga tacaattcta gcaggacaca ctggttatga tggggaatcc 360

agagacagtg caggtgaggg agagggtctg tgaggatgtc tcaagccaga agtgcactgg 420

aaaacacagt tgttgatgtt aacagtttct ggacaacacg gtagacacaa gagctgctga 480

gcgggctggc aaggc 495

<210> 5138
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5138
gcctccctcg cgccatcagg tagacactat cgctccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact atcgctctca gctctaaaat acatggctat 180

gtgtttgttg ctcacatagt tcacctgtaa gaagaagtac tttttggaca tggatctgga 240

gatggtgact ggactcttga gaagagggga gtaatctgtg ctccctccat gacctatgca 300

cccgatccac tccagtacct cccatggggg cgctgatgga tgcagctcca gaaggaaaca 360

ctggttgtga tggagaatgc agagatggca caggtgaggg agaggttctg tgaaggcttc 420

accaggccaa gagtgcaccg agaaatacag ttgttggcag gtagacacta tcgctcctga 480

gcgggctggc aaggc 495

<210> 5139
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5139
gcctccctcg cgccatcagg tagacactca gatgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cagatgctca tgaaagaaga attcatgtgc 180

agacacatct gcttgtctga agatatagtg catgtgggaa catgtgggct tgtctgaatt 240

catgataagt gggctggaat tcatcctcca ctcatcacgt atgcacctga cccactcctg 300

tgctttccat ccagtgccta caggaagcac tgattgtgac agagaatcca gaggcagcac 360

aggtgagtga gggggtttgc aagggcttca ccaggctgat aattgactga gaaaaacagt 420

tgttagcatg cacaagttct ggatgataca ttggaaaccc gtagacactc agatgcctga 480

gcgggctggc aaggc 495

<210> 5140
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5140
gcctccctcg cgccatcagg tagacacgtg tagcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgtagcatca acagtaatac aaaccatgtc 180

ctcagatgtc acagagctca ggtatagtca aaattgtttc ttggatgaat ctctggagaa 240

ggagagttgg ctctgcagag atggatcatc gtgtgtgtca cccttgcaat gtgttcctga 300

cagcccatgg aagcgggcta gtggattcag ctccagcagt aactgttggt tgggatggac 360

aacccagaaa tggggcatgt gaggaagaga aaatgaaagt ggatagcctg ttaccgaaaa 420

ctgctggact aagacacttg taagcctgtc aatctcagtg gtagacacgt gtagcactga 480

gcgggctggc aaggc 495

<210> 5141
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5141
gcctccctcg cgccatcagg tagacactgg cagttcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggcagtttca cagccaagat atggaaacta 180

agtgtctgtc aatgggcaaa tggataaaga caatgtggta tgtgtacaca acatagcatt 240

attatgcctt ataaaataag gaaatgctgc cattttccac aagacaaatg gactcccacc 300

accactagca atggatttta tccattgcag cccctccctg agagccggca gatccaggtc 360

cactagtaag gactggttgt gacggagtgg ccagtaacag tgtaggtgag gcagagggta 420

agtgtgtgct attcaggtcc agggctgact cctgcagctg gtagacactg gcagttctga 480

gcgggctggc aaggc 495

<210> 5142
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5142
gcctccctcg cgccatcagg tagacaccag tccaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agtccaatca gtgtaaaaat tcatggttgt 180

gtactcgttg ctcaggtagc tcagctgtag aagaaactgt gttttggatg tggatctgga 240

gatggtgact ggactcttga ggcgtgggtt gcgttgtgtt ctccctcatg acctgtgcac 300

ctgattcact ccagtccctt ccctggggag ctgagggatc cagctccagc aggaagcact 360

ggttgtgatg gagaagcaga gacagcacag atgagggaga gggtctgtga gggcttcgcc 420

aggccaagaa cgcacgagaa atacagatgt cggcatgcac gtagacacca gtccaactga 480

gcgggctggc aaggc 495

<210> 5143
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5143
gcctccctcg cgccatcagg tagacacgtg tctaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgtctactca agtaatacaa ggttgtggca 180

ttgttggtca cagaactcag ctaaaagaaa atttggttct tggacgtgga tctggagatg 240

gtgactgagc tcatgaggag tgggttagaa tttgtgctcc ctcgtgacct atgccctgat 300

ccactccctt gactgaggac tggcggatcc agctccagca ggaagcacta gttgtgatgg 360

agaatccaga gacagcacag gtgagggagg gggtctgtga gggcctcacc aggccaataa 420

atgaccatga aacacagtgg ttggtgtgca tggcttctgg gtagacacgt gtctacctga 480

gcgggctggc aaggc 495

<210> 5144
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5144
gcctccctcg cgccatcagg tagacacgta cagtgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tacagtgtca taaaaataca tggctgtgtg 180

cttgtgactc acttagctcg gctgtaggaa gaactgcttt ttggacatgg atctggagat 240

ggtgactgga ctcttgagga gtgggttgga atgtgcactc cctcatgacc tgtgcactgg 300

attcactcca gtcccttcct ggggggttta tgaatgcagc tacagcagga agcactggtt 360

gtgatgggga atccagagac agcacaggtg agggagaggg tctgtgaggg cttcaccagg 420

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gcgggctggc aaggc 495

<210> 5145
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5145
gcctccctcg cgccatcagg tagacacgga tcatccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gatcatctca tttaaaacat ggctgtgagc 180

ttgttgctca catagctcca ctgtaaaaac aagtgttttt tggacccgaa tttggagatg 240

gtgactggat tcataaggag tgggtgggaa tttttgctcc cttcatgacg tgtgcgcctg 300

gtccactcca gtccttccca tgtggactcg tggatccagc tccagcagga aacactggtt 360

gtgatggaaa atccagagac agcacaggtg agggagaggg tctgcgaggg ctccaccagg 420

ccaagagtgc actaagaaac acagttgttt gtgagcacag gtagacacgg atcatcctga 480

gcgggctggc aaggc 495

<210> 5146
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5146
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact attggcgtca tgaaaaatat atggctatgt 180

gattgttgct catgtagctc agctgtagga agaactgttt ttggacatgg atctggggat 240

ggtgactgga ctcttgagga aaggggagta atgtgtgctc ccttcatcat ctatggaccc 300

aatccactcc attcctccc agagaggggg tgatggatgc agatccagga ggaagcactg 360

gttgtgatgg agaatgcaga gatgacacac atgagggaga gggtctttgg gggcttcacc 420

aggccaagag tgcaccgaga aacacagttg ttggcaggca gtagacacta ttggcgctga 480

gcgggctggc aaggc 495

<210> 5147
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5147

gcctccctcg cgccatcagg tagacacagg cttgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggcttgatca attaaaattc atggttgtgt 180

acttgttgct caggtagctc agctacagga aacactgttt tttggatgtg gatctggaga 240

tagtgactgg actcttgagg agtgggttgg aatgtgcact ccctcatgac ctgtgcacct 300

gattcgctcc agtcccttcc ttgcgggggg tgatggatgc agctccagca ggaagcactg 360

gttgtgatgg agaatgcaga gacagcacag gtgagagaga gggtctgtga gagcttcact 420

agcccaagag tgcaggagaa acacagttgt tggcatgcac gtagacacag gcttgactga 480

gcgggctggc aaggc 495

<210> 5148
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5148
gcctccctcg cgccatcagg tagacacaca cacgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cacacgttca gcttaaaaat acatggctat 180

gtgcttgttg ctcatgtagc tcagctgtag gaagaactgc ttttttggac acggatctgg 240

ggatggtgac tggacacttg aggagtgggt ggtaatgtgt gctcccttca tgacctatgc 300

acccaatcca ctccattccc ttccctgggg ggctgatgga tccagcttca gcaggaagac 360

ctcgttatca cggggaacac agacacagcg caggtaaggg agagggtctg tgagggcttc 420

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gcgggctggc aaggc 495

<210> 5149
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5149
gcctccctcg cgccatcagg tagacactag acggacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact agacggatca agtaatacat gaccttgtcc 180

ttggctttca gattggtcat tgtaaggcag actgcactta aaagggtgtt gcttgagatt 240

gttaatttat ttgtactcat ggaaagtaac cctgagaatt catacttgat cactcactgt 300

tggcacccac acctatccct gttgtgaagc gtgctggacc aagctcatgc tgtaaccagt 360

aaaggtgaaa ccagaggctt tgcaggagag tctcaccact gggctgtaaa ttttttcccc 420

ctctgactcc atcagtaaac ttcacacagg acttccgtga gtagacacta gacggactga 480

gcgggctggc aaggc 495

<210> 5150
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5150
gcctccctcg cgccatcagg tagacacgag cgatacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg agcgatatca agtaatacac tgcctactcc 180

tcagctttcc agtagataat tttaagggag attgtgatgt taagtgttgt ccccaggaac 240

tgtgaatctt ctttgtgctg gagcagagca ccactgagaa cttccacttg ggtcactcat 300

ggctaccacc cactccagcc cctctcctcc agccatcagg gcccaataaa tgctgcagtc 360

agtgaaggtg aatcttgatg ctttgcagaa gaagctaaga gaatagccag gctattttgc 420

caaagacaaa aatatagatc cagtaaacct ttgtggtttt gtagacacga gcgatactga 480

gcgggctggc aaggc 495

<210> 5151
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5151
gcctccctcg cgccatcagg tagacacgca tctgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg catctgatca agtaatacac ggacttttcc 180

tgagctctca ggttaatcat cttaaaagag aatctcctga actgagtgta tttgaggatt 240

gttaatcatc tttttactca aggagagtcc cactgagaac ttctatttga attattgtta 300

ttacccacac ccacccctgt catgaagcct gctggatcaa gcttatgctg ttttcagtga 360

aagtgaatcc agaggctttg cagaaaaggc agaattcctg gtctgtagta tttctctgtc 420

taactccatt agttaacttc acaggggact tctgaaaaca gtagacacgc atctgactga 480

gcgggctggc aaggc 495

<210> 5152
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5152
gcctccctcg cgccatcagg tagacactgc tacaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gctacactca agtattacaa ggccttgtcc 180

ttgactttca gtttggtccc tttaaggtag actgcacatg aaaaggtgtc gcttgggact 240

gttaatttat ttgtactcat ggagagtaac tctgagaact cccacttgat cactcactgt 300

ttccacccac accaatccct gtcatgaagc ctgctggacc aagctcatgc tgtagccagt 360

aaaggtgaaa tcagaggctt tgcatgagag tctcagtgaa ccactgggct gtacaatttt 420

ccccccctgac tctatcagta aatttcacac aggacttctg gtagacactg ctacacctga 480

gcgggctggc aaggc 495

<210> 5153
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5153
gcctccctcg cgccatcagg tagacacaac tgccacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca actgccatca ctgtaatata cggccttgcc 180

cttggctttc aggttggtcc ttgtaaggta gactgcactt gaaagggtgt cacttgggaa 240

tgttgattta tctgtactca tggagagtaa cccttagaac tcccatatga tctctcactg 300

ttgctaccca caccaattcc tgttgtgaag cgtgctggac caagctcatg ctgcacccag 360

taaacccgaa accagaggct ttgcaggaca gtctcagtga actgctgggc tgttaaattt 420

ttctccttct gactccatca gtaaacatca cacaggactt gtagacacaa ctgccactga 480

gcgggctggc aaggc 495

<210> 5154
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 5154
gcctccctcg cgccatcagg tagacacttg gactgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tggactgtca agtaatacac agacttgtct 180

tgggctctca gttttattat cttaaaagag aatcttctga acagtgtctc tgaggactgt 240

taatcttctt tgtactgaag gcgagtccca ttgagaactt ccacttgaat tactgttatc 300

tccctcacca acacttgcca tgaatcctgc tggaccaaac ttgttctttt ttcagtgaat 360

ccaggggctt tgcagaacag tctgagaatt cttggtctgt agtattttcc tgtctgactc 420

cactagttaa cttcacagag gacttctgca cacacagagg gtagacactt ggactgctga 480

gcgggctggc aaggc 495

<210> 5155
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5155
gcctccctcg cgccatcagg tagacactcg gtactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cggtacttca cagtaataaa cggaatttтc 180

ctgagctctc aggttaatca tcttaagaga gaatcatctg aaaagcgtgt ctctgaggac 240

tgttaatctt ctttgtactc aaggagagtc ccactgagaa cttccacttg aattactgat 300

gttatcacct acacccaccc ctgtcatgaa gcctgctgga ccaagcttat gctgttttca 360

gtgaaagtga atccacaggg tttccagaaa agtctgagaa ttcttggtct gtagtatttc 420

tctgagagac tccagtaatt aacttcacag gggacctctg gtagacactc ggtactctga 480

gcgggctggc aaggc 495

<210> 5156
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5156
gcctccctcg cgccatcagg tagacaccca tggatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc catggattca cacagttaaa tgctgccatg 180

ttctgggttc tcaggctgtt catttgcatg tacagcatgt acttggtgtt gtctctggaa 240

gtggtgagtc tgcccctaac atagtctgca ttgtattgat gactttcact acgccatata 300

actgcaaccc attccagccc cttccctgag gcctggcaaa cccagtgaat ctcatagata 360

ctgaaggtga accaagaggc tgcacaggag agcctcaggg gcccctctca gtgtaccaag 420

tctcccccag actctgtaag ctgggcctca ccctggatac gtagacaccc atggatctga 480

gcgggctggc aaggc 495

<210> 5157
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5157
gcctccctcg cgccatcagg tagacacacg aagatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgaagattca cagtaataca ctgcctaccc 180

ctgtgagagc cccctcagct tccaagtaga ttattttaag ggagactgtg ctggtaattg 240

gtgtccctgg gaattgtgaa tcttcattat gctgatgcag aatatcactg agaacttcca 300

cttgaatcaa tcactgttac cacccactcc agcctctgtc ccccagccat ctgggctcaa 360

tttatgctgt agtcagtgaa ggtgaatctt gatgctttgc aaaagaggct aagagaacag 420

ccaggctgtt ttgccaaaga taaaaatata gatccagtaa gtagacacac gaagatctga 480

gcgggctggc aaggc 495

<210> 5158
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5158
gcctccctcg cgccatcagg tagacacact gtggacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctgtggatca acagtattac acaaccttgt 180

ccttggcttt caggttagtc attgtaaggt agagtgcacg tgaaagggtg tcgctggacc 240

agttaattta tttgtactca tgaagagtaa acctgagcac tcccacttgt tgactcactg 300

ttgccagcca ccacaatccc tgttgtgaag cctgctggac caacctcagg ctgttgccag 360

aaaaggtgaa tccagacgct ttgcaagaaa gtctcagtga accactgggc tgtactacgt 420

ttacccctct gactccacca ctgaacttca tacaggactt gtagacacac tgtggactga 480

gcgggctggc aaggc 495

<210> 5159
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5159
gcctccctcg cgccatcagg tagacacggt gtcatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gtgtcattca agtaatacat ggccttctcc 180

tcggctctca ggttggtcat tttgagggag actgtgctga caagggtgtc cctgaggatt 240

atgatttttc tttgtattga tggagggtac cactaacaaa ttccacttga atccctcgct 300

tttgcctccc acaccaaccc ctgtcctgaa gcctgctggg ctgagctcat gctagagtca 360

atgaaggtaa attcagaggc tttgtaaaaa aggctctgag aacagttagg ctgtatcatt 420

tctcttccag attccaccag tgaacttctt gtaggactct gtagacacgg tgtcatctga 480

gcgggctggc aaggc 495

<210> 5160
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5160
gcctccctcg cgccatcagg tagacactcg tgaagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgtgaagtca cagtaataca aggtcttgtc 180

cttggctttc acattggtca ttttaaggta gactgcactt gaaagggtgt tgcttgggac 240

tgttaattta cttgtactca tggagagtaa ccctgataac tcactgttgc cacccacaca 300

aatccctgtc atgaagcctg ctggaccaag ctcatgctgt agccagtaca agtgaaatca 360

gaggctttgc aggagagtct gtgagaaccg ctgggctgta caatgtttcc ccctctgact 420

ccatcagtaa gcttcaacag gacttacatg aacacagagg gtagacactc gtgaagctga 480

gcgggctggc aaggc 495

<210> 5161
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5161
gcctccctcg cgccatcagg tagacaccac tagctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc actagcttca cacagtaata cacgcctgca 180

tccccagcca tcacacttct cagctgtaag ttttcttgtt ttttactatg tgtttctgga 240

gatgctagct ctgccctgaa ggttggggct tagtgtttcc cttaacccat atcacaccaa 300

cacactgaag acctttttgat gggagatggt ggatccagga aacagaatgt tcagaaattg 360

aatgtgcata ggcggcatag gtgaggctga gcatgaccaa ggggaccact acttcttcct 420

cccattgcac aaggtggtcc tcactgtgaa cccctgagaa gtagacacca ctagctctga 480

gcgggctggc aaggc 495

<210> 5162
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5162
gcctccctcg cgccatcagg tagacacggt caactcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg gtcaacttca gcacagtagt acacatctat 180

gtcctcagat ctctgactgc tcagctccat gtaggctgtg ctcgtggacg tgtccctggt 240

catggtgact ctgccctgaa acttctgtgc atagcctgtg ttaccattgc cagagtagct 300

ccctaccatc cattcaaacc cttatccagg ggcctgtcac acacagtgaa tgtcgtagct 360

ggcgaaggtg tatccagagc tttgcaggag accttcactg aggccatgga cgctggcaac 420

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gcgggctggc aaggc 495

<210> 5163
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5163
gcctccctcg cgccatcagg tagacactac gtacgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact acgtacgtca acaggaatac acgaccatgt 180

cttcagatct caggctgctc agctccatgt aggctgtgct cacggacctg tcactggtaa 240

tggtgactct gccccggaac ttctgtgcgt agtgtgtgtt atcattgtaa gggttgatgc 300

atcccaacca ctatgccctt gtccagggcc ctgtcgcacc cactgtgtaa agtatttggt 360

gaaggtgtat ctggaagcct ggccaggaga ccttcactga ggacgcaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacatc gtagacacta cgtacgctga 480

gcgggctggc aaggc 495

<210> 5164
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5164
gcctccctcg cgccatcagg tagacacatg acacccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tgacacctca cacagtaata catggccgtg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcgtggatgt gtccctggtc 240

atggtgactc tgccctggaa cttctctgcg tagcttatgc tgccatcact agggcacatc 300

cttcccatcc actcaagccc ttgtgcatgg gcctggcgca cctagtgcat agagtaactg 360

gtgaaggtag gtgtatccac aagtcttgca ggagactttc actgatgccc cagccttctt 420

catctcatcc ccagactgca ccagctgcac ctgggactgg gtagacacat gacaccctga 480

gcgggctggc aaggc 495

<210> 5165
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5165
gcctccctcg cgccatcagg tagacacctt cacgacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc ttcacgatca cccagtaata cacagccgag 180

tcctcagatc tcaggctgct cagctctatg taggctgtcc tcagggacat gtccctggta 240

atggtgactc tgccctggaa cttctttgca tagttggtgt taccattgta aagtgtgatc 300

catctcatcc tttcaagccc ttgtccaggg gcctgttgca accagtgcaa ggagcagcaa 360

gtgaaggtgt atccggaagc cttgcaggag accttcactg aggccccagg cttctttacc 420

tcagcctcag actgccccag ctgcacctgg gagcagacac gtagacacct tcacgactga 480

gcgggctggc aaggc 495

<210> 5166
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5166
gcctccctcg cgccatcagg tagacacaga atcagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gaatcagtca cacagtaata cacgaccatg 180

tcttcagatc tcaggctgct cagctccatg taggctgtgc tcatggacct gtcactggta 240

atggtgactc tgccccagaa cgtctgtgca tagtgtgtgt tatcattgta agggttgatt 300

catcccatcc actatgccct tgtccagggc tttgtcacac ccaccgtgta aagtatttgg 360

tgaaggtgta tctggaagcc tggcaggaga ccttcactga ggacccaggc ttcttcacct 420

cagccccagg ctgcaacagc tgaacctggg aatggacacc gtagacacag aatcagctga 480

gcgggctggc aaggc 495

<210> 5167
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5167
gcctccctcg cgccatcagg tagacacagt tatgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gttatgctca tgcacagtaa tgtgtggctg 180

tgtccacaat gtccatgttg atcactgtta gaaccacttc attcttggag gtgtccttgg 240

agataatgag cctactcttc agagatgggc tgtagtattt attatcattc taataaatgt 300

gtgcaagcca ctccagggcc tttgctgagg gctgacagat ctaacccaca cccattccag 360

aagtgctgag tgagaaccca gagaaggtgc aggtcagcat gagggtctgt gtgggtttca 420

ccagtgcagg accagactcc ttcaaggtga cctgggataa gtagacacag ttatgcctga 480

gcgggctggc aaggc 495

<210> 5168
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5168
gcctccctcg cgccatcagg tagacacagg tctcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ggtctcatca cagagtcata tgcagctgca 180

tcctctgccc tcagtctgtt catttgcaga tacagtgagt ttttggtatt gtctctggaa 240

atggtgaatc ggcccttcac agagtctgcg tagtacatgg tactaccact accactaata 300

actgggaccc actgcagacc cttccctgga gcctggggga cccagtgcgt gctatggcta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acacccaggc tttgtcaagt 420

ttgctccaga ctctaccagc tgcatctcac actggacacc gtagacacag gtctcactga 480

gcgggctggc aaggc 495

<210> 5169
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5169
gcctccctcg cgccatcagg tagacacgtc atagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tcatagttca cacagtaata cacagccatg 180

tcctcgggcc tcaggctgtt catttgctga tacaggaagt tcctggaatt gtctctggag 240

atgatgaatc ggcccttcac agagtctgca tagtgcgtcc tactgccatt ccaactaaca 300

cccgataccc actccagccc ctttcctgga gcctggcgga cccagttcat gtcactgtta 360

ctgaaggtga atccagaggc tgcacaggag agtctcaggg acccccccagg ctctaccaag 420

cctccccccag actccaccag ctgcactgtt gtacccaggt gtagacacgt catagtctga 480

gcgggctggc aaggc 495

<210> 5170
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5170

gcctccctcg cgccatcagg tagacacgtg acttgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tgacttgtca acagtaatac acggccgtgt 180

cctcggtttt caggctcttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccattcc agccccttcc cgggagcctg gcggaccccg ctcatgtagt 360

agtaactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgta 420

ccaagcctcc cccagactcc accagctgca cctcacactg gtagacacgt gacttgctga 480

gcgggctggc aaggc 495

<210> 5171
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5171
gcctccctcg cgccatcagg tagacacgat tgcagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg attgcagtca acactaatag agggccgtgt 180

cctcggtttt caggctgttc atttgcagat gaagtgtgtt cttggcgtta tctctggagg 240

tattgaatcg gtccttaccg gagtctatga ggtatgtgct acccccatta ggattaactt 300

gtcaaaccaa ctccagccca ttccctggag cctggcggac acagttcatg tagtagctac 360

tgaaggtgaa ttgagaggct gcacaggaga gtctcgggga ccacgcaggc tttgccaagc 420

ctcccccaga ctccaccagc tgcatctcac actggatacc gtagacacga ttgcagctga 480

gcgggctggc aaggc 495

<210> 5172
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5172
gcctccctcg cgccatcagg tagacacact atgaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctatgactca tgtacagcca tacacagcca 180

tgtcctcagt tctctgactg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg cagactggtg aactgggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctgt gggctctatc agctccacct cacactgaac gtagacacac tatgacctga 480

gcgggctggc aaggc 495

<210> 5173
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5173
gcctccctcg cgccatcagg tagacacatg gtcaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca tggtcaatca catacagtaa cacacagctg 180

tgcccgctgc tctcagactg ttcattagca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc aaagattatg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagttc cttcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtagacacat ggtcaactga 480

gcgggctggc aaggc 495

<210> 5174
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5174
gcctccctcg cgccatcagg tagacacgat ggcttcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg atggctttca tgtatagcca tacacggcca 180

cgtcctcagc tctctgagtg ttcatttgca gatacagaga gttcttagca ttgtctttgg 240

agatggagaa tctgcccttc acagagtctg catggtgtat ctgacttcca tcatctttta 300

tatctattac tcactccagc cccttgcctg gagactggtg aactcggctc attcagaagc 360

tactgaaggc gaatctagag gctacacagg agagtctcag gaacttccca ggttgtctca 420

ggtcctctat ggactctatc agctccacct cacactgaac gtagacacga tggcttctga 480

gcgggctggc aaggc 495

<210> 5175
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5175
gcctccctcg cgccatcagg tagacacagc atatgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcatatgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agatggtgaa tttgctcttc acagattggg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcaa ggatccccca ggttgtcttg 420

ggtcctctcc ggactccacg agctgtacct ctcactagac gtagacacag catatgctga 480

gcgggctggc aaggc 495

<210> 5176
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5176
gcctccctcg cgccatcagg tagacaccat atgctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc atatgcttca agtaatacac agacctatcc 180

tcggctctga cgctgttcat ttgcagatac agtgatttct tggcatcatc tctggagagg 240

gtgaatcgac ccttcacaga gtctgcatag cttgtgctac ctacacaaca actcataaat 300

gagacctact ccagcccttt cccaggagcc tgatggaccc agctcatcca gtacctaata 360

aaggtactaa aggtgaatcc agaggctgca aaagaaagtc tcagggaccc ccaggctata 420

acaagcctcc caaagactcc accagctgca cctcacactg gtagacacca tatgctctga 480

gcgggctggc aaggc 495

<210> 5177
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

polynucleotide"

<400> 5177
gcctccctcg cgccatcagg tagacactcg tcgatcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact cgtcgattca acacagccga gtcctcatct 180

ctcagactgt tcatttgcaa gtacagcatg ttcttgccat tgtctctaga gatggtgaat 240

ctacccttca gtgtctgcat agtataggct accaccacta gcactaatgt atgagaccca 300

ttccagcccc tttcttgaag cccggtgggc ccagttcatg tcattgcttc tcaagatgaa 360

tccgcaggct gcacatgaga gtctcaggac acccccaacc ccaccacagc tgtaccaagt 420

ctcccccaga ctctaccagc tgcacctcat actgcacacc gtagacactc gtcgatctga 480

gcgggctggc aaggc 495

<210> 5178
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5178
gcctccctcg cgccatcagg tagacaccag tctgtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc agtctgttca agtaatacat ggccgtgtcc 180

ttagctttca gactgtccat ttgcagatag agcatgctct tagaattgtc tcggagattg 240

tgaatcggcc cttcacagag tctgcatagt atttctgact tccatcattc cagatatgtg 300

ccactcactc cagccccttc cctggagcct ggcggaccca gctcatgcca tagctactaa 360

aggagaatcc tgaggctgca caggagagtc tcagggaccc cccaggctgg accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtagacacca gtctgtctga 480

gcgggctggc aaggc 495

<210> 5179
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5179
gcctccctcg cgccatcagg tagacacaac gcgtacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca acgcgtatca gtacagtaat agatggccgt 180

gtactcggtt ttcagggtat tcacttgcag atacagtgtg ttctttgaat catctcttga 240

gatggtgaac ctgcctttca cagatgcagc gcattctgtc gtgtaactgt tacgtttggt 300

tctaatacgg ccaacccact ccagcccttt cccagaagcc tggcggatcc agtgcattca 360

gaagtcactg aaggtgaatc tagaagctgc aaatgagagt ctcggggacc cacccaggct 420

gtaccaagcc tcccccagac tccaccagct gcgcctcacg gtagacacaa cgcgtactga 480

gcgggctggc aaggc 495

<210> 5180
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5180
gcctccctcg cgccatcagg tagacacgta gttcgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg tagttcgtca acaataatac acagccatgt 180

cctcagctat caggctgttc atttgaagat acaaggactt cttggcgttg tctctggaga 240

tggtgaatcg gcccatcacg gagtctgcat agtatgtatc accaccagta ccaatagctg 300

atacccactc cggacccttc cctggagccc ggcgaaccca gtgcagaaca tagctactga 360

aggcgaatcc agaggctgca caggagggtc tcagggaccc cccaggctgt accaagcctc 420

ccccagactc caccagctga tcctcacact ggacacctgc gtagacacgt agttcgctga 480

gcgggctggc aaggc 495

<210> 5181
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5181
gcctccctcg cgccatcagg tagacaccga actaccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gaactactca tgactcaata atacagagcc 180

atattctcag ctctcagact gttcatttgc agatacaacc tgtgcttggc attgtctttg 240

gagatggtga atctgacctt cacagagtct gcatattatg tctgacttcc atcgtacatt 300

atatctacta ctcactgcag ccccttttcct ggagcctggc agattcagct gatctagtag 360

ctacagaagg tggattcaga ggatgcacgg cagagtctca ggcacattca gcttgtgcca 420

actctcccca agactccacc atctgcaccc cacactagac gtagacaccg aactacctga 480

gcgggctggc aaggc 495

<210> 5182
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5182
gcctccctcg cgccatcagg tagacactta acgtccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact taacgtctca acagtaatac acggtcatgt 180

cctcagctct caggctgttc acttgcagat agagggagtt cttggcattg tctctggaga 240

tggtcaatcg gcccttcaca gagtctacat agtatttctc acttccgtca cactttatgt 300

cggccaccca ctccagcccc ttctccggag cctggcagac ccagtgcatc caggagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccctccaggc tgtaccaagc 420

ctcacccaga ctccaccagc tgcacctcac actggacacc gtagacactt aacgtcctga 480

gcgggctggc aaggc 495

<210> 5183
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5183
gcctccctcg cgccatcagg tagacacagc aacctcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca gcaaccttca catacagtaa tacacggccg 180

tgccctctgc tctcagactg ttcatttgca aacagagtga gttcttggca ttttctttgg 240

agatggtgaa tctgctcttc acagattgtg cataacatag ctgacttcta tcctactata 300

tatctactac tcactccagc cccttccctg gagcctggga atctgagctc attcagtagc 360

tactgaaggt taatccagag tctgcacagg agagtctcag ggatccccca agttgtcttt 420

ggttttcttc agactccacc agctgtacct cacactggac gtagacacag caacctctga 480

gcgggctggc aaggc 495

<210> 5184
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5184
gcctccctcg cgccatcagg tagacacttc tcgagcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tctcgagtca acagtaatac acagccttgt 180

ccttggcttt caggttggtc attgtaaggt agactgcaca tgaaaaggtg tcgcttggga 240

ctgttaattt atttgtactc atggagagta actctgagaa ctcccacttg atcactcact 300

gtttccaccc acaccaatcc ctgtcatgaa gcctgctgga ccaagctcat gctgtagcca 360

gtaaaggtga aatcagaggc tttgcaggag agtctcagtg aaccactggg ctgtacaatt 420

ttctgcctct gactccatca ataaacttca cacaggactt gtagacactt ctcgagctga 480

gcgggctggc aaggc 495

<210> 5185
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5185
gcctccctcg cgccatcagg tagacacact ctacgcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ctctacgtca acacagtaat acacagccat 180

gtcgtcggct ctcaggctgt tcatttgcag atacagtgaa ttctgggcat tgtctctaga 240

gatggtgaat cagcccttca cagagtctgt gtagagtacg gtatcaccac ttgtactaat 300

aactgagacc cactccaaac cctttcctgg agcctggtgg acccagtgca tagcagagct 360

actgaaggtg aatccagagg ctgcacagga gagtctcaga gaccctccca gtctttacta 420

agcctccccc agactccacc agctgcacct cacactggac gtagacacac tctacgctga 480

gcgggctggc aaggc 495

<210> 5186
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5186
gcctccctcg cgccatcagg tagacactac cggaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact accggaatca acagtagtac acaactgtgc 180

cctcggctct caggctgttc atttgcagag acagtgaatt ctgggcattg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgtgt agagtacggt atcaccactt gtactaataa 300

ctgagaccca ctacaaaccc tttcttggag cctggcggac ccagtgcata gcagagctac 360

tgaaggtgaa tccagaggct gcacaggaga gtctcaggga ccccccaggc tggaccaagc 420

cttccccaga ctccaccagc tgcacctcac actggacacc gtagacacta ccggaactga 480

gcgggctggc aaggc 495

<210> 5187
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5187
gcctccctcg cgccatcagg tagacaccga attgccctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc gaattgctca tgtacagcca tgcatggtca 180

tgtcctcagc tctcagactg ttcgtttgga gatacggtga gttcttagca ttgtctttgg 240

agatggtgaa tctgcccttc acagagtctg catggtatat ctgacttcca tcatatttta 300

catctattac tccctccagc cccttcccta gagtctcatt gacccagctc attcagtagc 360

tactgaaggt gaatccagag gctacacagg agagtctcag gaacttccca agttgtctca 420

ggccctctat ggactctatc agctccacct cacactgaac gtagacaccg aattgcctga 480

gcgggctggc aaggc 495

<210> 5188
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5188
gcctccctcg cgccatcagg tagacacttc gctcacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tcgctcatca gtatagtaat acacggccgt 180

gtcctcggtt ttcaggctgt tcatttgcag ataggcgatg cttttggaat catcgcttga 240

gatggtgaat ctgcctttca cagacgcggc gtattctgtt gttccacgat tagttttgtt 300

tttagtgaaa cctacccact ccagcccctt tcctggagcc cggcagatcc actgcatgca 360

gtagttaacg gaaggtgaat ccagaggctg cacaggagag tctcagggac cccccaggct 420

gtaccaagcc tcccccagac tccaccagct gcacctcaca gtagacactt cgctcactga 480

gcgggctggc aaggc 495

<210> 5189
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5189
gcctccctcg cgccatcagg tagacacgac gttaacctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg acgttaatca acagtaatac acggccgtgt 180

cctcggctct caggctgttc atttgcagat aggtgatgct tttggaatca tctcttgaga 240

ttgtgaatct gcctttcaca gacgtggtct attctgttgt cccaccatta gctttgtttc 300

taatgaaacc tacccactcc agccccttcc cgggagcctg gcggacccag ctcatgtagt 360

agtcactgaa ggtgaatcca gaggctgcac aggagagtct cagggacccc ccaggctgga 420

ccaagcctcc cccggactcc accagctgca cctcacactg gtagacacga cgttaactga 480

gcgggctggc aaggc 495

<210> 5190
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5190
gcctccctcg cgccatcagg tagacaccgt agagtcctgc ccttctcatg gaaccctctg 60

ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

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tactcagctc tcaaactgtt catttccaga taagagtgtg ttcttggcat tgtttctgga 240

gatggggaat cagaacttcc cagaatgtgc atagcgtatg ctactcccat cagtactaat 300

acatgagacc cactccagtc tgttccctgg agcctggcag gcccagtgca tccagtggct 360

actgaaggca aatccagagg ctgcacagga cagtctcagg gacccccacc cccaccgcgc 420

caggctgtac caagtctccc ccaggctcca acaactgcgc gtagacaccg tagagtctga 480

gcgggctggc aaggc 495

<210> 5191
<211> 495

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5191
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact tccggtatca cagtaataga cggccatggt 180

gtcagcaatg aaactgttta tttgcagata cagtgagttc ttggtgtttt ctctggagat 240

ggtcaaccgg cccttcacag agtctgagta gtatatgcct ccaccactag cattaatgta 300

agacccactc cagtcccttc cctggagctt ggtccaccta gtgcatgcca tagttactga 360

aagtgtatcc agaggctgca caggagagtc acatggaccc cccaagctgt accaagcctc 420

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gcgggctggc aaggc 495

<210> 5192
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5192
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg caattcgtca catacagtaa cacacagctg 180

tgccctctgc tctcagactg ttcatttgca aatacagtga gttcttggca ttttctttgg 240

agacggtgaa tctgctcgtc acagattgtg cataacatat ctgacttcca tcacactgta 300

tatctactac tcactccagc cccttccctg gagcctggga aaccgagctc attcagtagc 360

tactgaaggt taatccagag gctgcacagg agagtctcag ggaacccagg ttgtcttggg 420

tcctctccag actccaccag ctgtacctca cactggacac gtagacacgc aattcgctga 480

gcgggctggc aaggc 495

<210> 5193
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5193

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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact gagcgaatca acagtaatac acagccgtgt 180

cctcggctct caggctgttc atttgcagat acagtgagtt cttggcgttg tctctggaga 240

tggtgaatcg gcccttcaca gagtctgcgt agtatatggt actactacta ctaatggatg 300

agacccactc cagccccttc cctggagcct ggcggaccca gttcatgtag tagtcactga 360

aggtgaatcc agaggctgca caggagagtc tcagggaccc cccaggcttt accaagcctc 420

ccccagactc caccagctgc acctcacact ggacacctgc gtagacactg agcgaactga 480

gcgggctggc aaggc 495

<210> 5194
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5194
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact actaagctca acagtaatac acggccgtgt 180

ccgcggcggt cacagagctc agcttcaggt agaactggtt cttggacgtg tctacggaca 240

tggtgattcg actcttgagg gacgggttgt agtaggtgct cccactatga tggatttccc 300

caatccactc cagccccttc cctgggggct ggcggaccca gattcaccag ttaccactgc 360

tgatggagtc accagagaca gcgcagatga gggacagggt ctccgaaggc ttcaccagtc 420

ctgggcccga ctcctgcagc tgcacctggg acaggacccc gtagacacta ctaagcctga 480

gcgggctggc aaggc 495

<210> 5195
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5195
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacact ggcgtattca ctgcgcccgc cccctccgcc 180

tccctgcggt cacagagctc agcttcaggg aaaactggtt cttggacgtt tctattgaca 240

tggtgactca actcctgagg gacggggtgt agtagctcct cccactataa tagatgtatc 300

caatccattc agccccttc cctggggact ggcggaccag ctccaccagt taccactgct 360

gatggagtca ccagagacag cgcatgtgag ggacagggtc tccgaagctt caccagtcct 420

gggccccact cctgcagctg cactgggaca ggacccctgt gtagacactg gcgtatctga 480

gcgggctggc aaggc 495

<210> 5196
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5196
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacg ataaccatca ttagatggtc cctctcacac 180

aataatacat ggcggcgtcc gaggccttca ggctgctcca ctgcaggtag gcggtgctgc 240

tggagctgtc ggctgagatg gtgacgtggc cttggaagga tgggctgtat ctggtatcag 300

agttcccagg atagatgctc cccatccact ccagttcttt cccgggcatc tggcgcaccc 360

agtggatcca gtagctggta aagctgtatc cagaagtctt acaggagatc ctcagagact 420

ccccgggtct tttcacctct gctgcagact gcaacagctg gtagacacga taaccactga 480

gcgggctggc aaggc 495

<210> 5197
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 5197
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc tagtgaatca gcacgtgtcc tcagccttta 180

ggctgctgat atgaagatat gccatgctga cggaggtgtc catggagaag acaaaccgtc 240

ctgtgaagcc ctgggcatac gttaggttcc cagtgttggt gttgatccat cccatttcct 300

caagcccttg tccatgggcc tgtcataccc agctgatagc atagcttgtg aaggtgtatc 360

cagaagcctt gcaggaaacc ttcaatgagg ctccaggctt cttcacctca ggcccagact 420

gcaccagctg cacctgtgag tggacacctg tggagaggag gtagacacct agtgaactga 480

gcgggctggc aaggc 495

<210> 5198
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5198
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca cgttcactca acagtaatac tcggccgtgt 180

cctcagcctt taggctgctg atctgaagac acgccgtgct gacagacgtg tccatggaga 240

agacaaacca tcctgtgaag ccgtgggtat acgttgggtt cccagtgtag gtgatgatcc 300

atcacatcca ctcaaagccc tgtccagggg tctatcatac ccaattcata ccatagatgg 360

tgaaggtgta accagaagac ttataggaga ccttcactga ggccccaggc ttcttcacct 420

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gcgggctggc aaggc 495

<210> 5199
<211> 448
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5199
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacaca ttacgcttca tctctcatac agtcatacac 180

ggccgtgtcc tcagccttta ggctgctgat cttcagatac gccatgctga cagaggtgtc 240

catggagaat agaaaccgtc ctgtgaagcc gttggtatat gttgggttcc cagtgtaggt 300

gatgatccat cccatccact caagcccttg tccaggggct ggtcacactg aattcatacc 360

atactggctg catagtattc catgatttac atatatcata ttttatctaa tcagtagaca 420

cattacgctc tgagcgggct ggcaaggc 448

<210> 5200
<211> 495
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 5200
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ctggcctccc acgtacccca cattctggcc tgacccctca gaagccagac cactgtcggc 120

ctgggaagtc caactgtcga cgtagacacc attgagttca acacagtaat aaatggctgc 180

atcctcagtc tttaggcagc tagtctgcag atccgccgtg ctgacagagg tgtccatgga 240

gaagacaaac cgtgtgtgaa tctgtgggca tacattgggt tcaccagggt aggatgatcc 300

atcccatcca ctcaagcccc tgtcctgggg tctgtcgtat ccaattcata ccataggtga 360

tgacagttta accagacacc ttgcaggaga ccttcgccga ggccccaggc tgcttcacct 420

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gcgggctggc aaggc 495

<210> 5201
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5201
gggctggcaa gccacgtttg gtgagccccc agggaagaag ctgaagtgg 49

<210> 5202
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5202
gggctggcaa gccacgtttg gtgaggctcc agggaatggg ctggagttg 49

<210> 5203
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5203
gggctggcaa gccacgtttg gtgaggcttc aggacagggg ttggtgtgg 49

<210> 5204
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5204
gggctggcaa gccacgtttg gtgaggcttc atgacagggg tgggtgtgg 49

<210> 5205
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5205
gggctggcaa gccacgtttg gtgcaagctc agggaaggg actggagtgg 50

<210> 5206
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5206
gggctggcaa gccacgtttg gtgcaatgag actctaggga aggggctgga ggga 54

<210> 5207
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5207
gggctggcaa gccacgtttg gtgcaccagg gaagggcctg gagtgg 46

<210> 5208
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5208
gggctggcaa gccacgtttg gtgcacgagt ccacatggga aggactggag tgg 53

<210> 5209
<211> 47
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5209
gggctggcaa gccacgtttg gtgcactagc ccgcttccat gggctgt 47

<210> 5210
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5210
gggctggcaa gccacgtttg gtgcagcagg cttcacaaca gggattgtgg tgg 53

<210> 5211
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5211
gggctggcaa gccacgtttg gtgcagcagg cttcatgaca gggattggtg tgg 53

<210> 5212
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5212
gggctggcaa gccacgtttg gtgcaggccc atggacaagg gcttgaggaa 50

<210> 5213
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5213
gggctggcaa gccacgtttg gtgcaggctc cagggaacag actggagtgg 50

<210> 5214
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5214
gggctggcaa gccacgtttg gtgcaggctt ctgggaaagg gctggagtgg 50

<210> 5215
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5215
gggctggcaa gccacgtttg gtgcagtccc catcgagagg ccttgagtgg 50

<210> 5216
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5216
gggctggcaa gccacgtttg gtgcagtccc ctggacaagg gcttgagtgg 50

<210> 5217
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5217
gggctggcaa gccacgtttg gtgcatcagg ctcctgggaa agggctggag tag 53

<210> 5218
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5218
gggctggcaa gccacgtttg gtgccagatg cccgggaaag aactggagtg g 51

<210> 5219
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5219
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<210> 5220
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5220
gggctggcaa gccacgtttg gtgccagcac gcttcacaac agggataggt gtgg 54

<210> 5221
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5221
gggctggcaa gccacgtttg gtgccaggct ccaggaaagg gtttggagtg g 51

<210> 5222
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5222
gggctggcaa gccacgtttg gtgcccaggg aaggccctgg agtgg 45

<210> 5223
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5223
gggctggcaa gccacgtttg gtgcccaggg aagggcctgg agtgg 45

<210> 5224
<211> 45
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5224
gggctggcaa gccacgtttg gtgcccaggg aaggggctgg agtgg 45

<210> 5225
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5225
gggctggcaa gccacgtttg gtgccccagg aaaggccctg gagtgg 46

<210> 5226
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5226
gggctggcaa gccacgtttg gtgccccagg acaggggctt gagtgg 46

<210> 5227
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5227
gggctggcaa gccacgtttg gtgccccagg gaagggactg gagtgg 46

<210> 5228
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5228
gggctggcaa gccacgtttg gtgccccagg gaaggggctg gaatgg 46

<210> 5229
<211> 47

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5229
gggctggcaa gccacgtttg gtgcccccag ggaagggaat ggagtgg 47

<210> 5230
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5230
gggctggcaa gccacgtttg gtgcccccca ggaagggact ggagtga 47

<210> 5231
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5231
gggctggcaa gccacgtttg gtgcccccgg acaagcgctt gagtgg 46

<210> 5232
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5232
gggctggcaa gccacgtttg gtgcccctct ctgggaggga atggagtgg 49

<210> 5233
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5233
gggctggcaa gccacgtttg gtgcccgtgg gcaacaggct ggaatgg 47

<210> 5234

<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5234
gggctggcaa gccacgtttg gtgccctcag caaaggccct ggagtgg 47

<210> 5235
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5235
gggctggcaa gccacgtttg gtgccgcaag gaagggactg gagcga 46

<210> 5236
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5236
gggctggcaa gccacgtttg gtgccgccaa gctacaggaa aaggtctgga gtgg 54

<210> 5237
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5237
gggctggcaa gccacgtttg gtgccgccag tcctcagtca agggagtgg 49

<210> 5238
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5238
gggctggcaa gccacgtttg gtgccgggaa ggggctggag tgg 43

<210> 5239
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5239
gggctggcaa gccacgtttg gtgccgggct tcaagaaagg ggctggaatg g 51

<210> 5240
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5240
gggctggcaa gccacgtttg gtgccgggga agggactgga gcga 44

<210> 5241
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5241
gggctggcaa gccacgtttg gtgcctggat ccaccatctc ccatcaaaag gtcttcagtg 60

t 61

<210> 5242
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5242
gggctggcaa gccacgtttg gtgcgccagg ctccaagaaa gggtttgtag tgg 53

<210> 5243
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 5243

gggctggcaa gccacgtttg gtgcgccggg aagggactgg agtgg 45

<210> 5244
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 5244
gggctggcaa gccacgtttg gtgctccagg caaggggctg gagtgg 46

<210> 5245
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 5245
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<210> 5246
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<210> 5247
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<210> 5263
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<223> /note="Description of Artificial Sequence: Synthetic
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<211> 45
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<210> 5267
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<210> 5268
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<210> 5270
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<210> 5271
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<210> 5274
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<210> 5292
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<210> 5294
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<210> 5296
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<210> 5301
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<210> 5302
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<400> 5302
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<400> 5303
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<210> 5304
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cagcaggctt cacaacaggg attgtggtgg 30

<210> 5305
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<210> 5308
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<210> 5314
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<210> 5317
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<210> 5318
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<210> 5323
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<400> 5325
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<210> 5327
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<210> 5331
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<223> a, c, t, or g

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<223> a, c, t, or g

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aaccannnnn ngggctggca agccacgttt ggtg 94

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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5559
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attcgnnnnn ngggctggca agccacgttt ggtg 94

<210> 5560
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5560
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gaggtnnnnn ngggctggca agccacgttt ggtg 94

<210> 5561
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

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<222> (66)..(71)
<223> a, c, t, or g

<400> 5561
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attaannnnn ngggctggca agccacgttt ggtg 94

<210> 5562
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5562
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tggacnnnnn ngggctggca agccacgttt ggtg 94

<210> 5563
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5563
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctaga 60

atcagnnnnn ngggctggca agccacgttt ggtg 94

<210> 5564
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5564
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tgccannnnn ngggctggca agccacgttt ggtg 94

<210> 5565
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5565
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taacgnnnnn ngggctggca agccacgttt ggtg 94

<210> 5566
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5566
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctact 60

caatgnnnnn ngggctggca agccacgttt ggtg 94

<210> 5567
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5567
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agtagnnnnn ngggctggca agccacgttt ggtg 94

<210> 5568
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5568
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctctg 60

acgttnnnnn ngggctggca agccacgttt ggtg 94

<210> 5569
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5569
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agacannnnn ngggctggca agccacgttt ggtg 94

<210> 5570
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
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<222> (66)..(71)
<223> a, c, t, or g

<400> 5570
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tgaccnnnnn ngggctggca agccacgttt ggtg 94

<210> 5571
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5571
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tcctannnnn ngggctggca agccacgttt ggtg 94

<210> 5572
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5572
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctctg 60

caatcnnnnn ngggctggca agccacgttt ggtg 94

<210> 5573
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5573
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatcttga 60

gcgaannnnn ngggctggca agccacgttt ggtg 94

<210> 5574
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5574
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gactgnnnnn ngggctggca agccacgttt ggtg 94

<210> 5575
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5575
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctagc 60

aatccnnnnn ngggctggca agccacgttt ggtg 94

<210> 5576
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

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<222> (66)..(71)
<223> a, c, t, or g

<400> 5576
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctcga 60

actacnnnnn ngggctggca agccacgttt ggtg 94

<210> 5577
<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5577
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatcttta 60

atggcnnnnn ngggctggca agccacgttt ggtg 94

<210> 5578
<211> 94
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (66)..(71)
<223> a, c, t, or g

<400> 5578
caagcagaag acggcatacg agatacactc tttccctaca cgacgctctt ccgatctgct 60

tagtannnnn ngggctggca agccacgttt ggtg 94

<210> 5579
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5579
gatgaagaca gatggtgcag c 21

<210> 5580
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5580
ggcgggaaca gagtgac 17

<210> 5581
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5581
agggtgggaa cagagtgac 19

<210> 5582
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

primer"

<400> 5582
gcttgaagct cctcagagg 19

<210> 5583
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5583
ggcgggaaca gagtgac 17

<210> 5584
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5584
aggctcagcg ggaagac 17

<210> 5585
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5585
gaacacatcc ggagccttg 19

<210> 5586
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5586
ggtggcattg gagggaatg 19

<210> 5587
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5587
aagaccgatg ggcccttg 18

<210> 5588
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5588
ctctcggagg tgctcctg 18

<210> 5589
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5589
aattctcaca ggagacgagg g 21

<210> 5590
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5590
tggtacacgg cagggtc 17

<210> 5591
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5591
agtctctcag ctggtacacg gcagggtc 28

<210> 5592
<211> 50
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5592
acagacttgt cactggattt agagtctctc agctggtaca cggcagggtc 50

<210> 5593
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5593
gagatctctg cttctgatgg ctcaaacaca gcgacctcgg gtgggaacac 50

<210> 5594
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5594
caaacacagc gacctcgg 18

<210> 5595
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5595
atggctcaaa cacagcgac 19

<210> 5596
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5596
gatggtttgg tatgaggctg ac 22

<210> 5597
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5597
ccttcaccag acaagcgac 19

<210> 5598
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5598
gaaaaatagt gggcttgggg g 21

<210> 5599
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5599
cagtatctgg agtcattga 19

<210> 5600
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5600
tgcttctgat ggctcaaaca c 21

<210> 5601
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5601
gatggagtcg ggaaggaagt cctgtgcgag 30

<210> 5602
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5602
gggaagacsg atgggccctt ggtgg 25

<210> 5603
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5603
caggcakgcg aygaccacgt tcccatc 27

<210> 5604
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5604
catcagatgg cgggaagatg aagacagatg gtgc 34

<210> 5605
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5605
cctcagagga gggtgggaac agagtgac 28

<210> 5606
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<400> 5606
gctcaaacac agcgacctcg ggtgggaaca c 31

<210> 5607
<211> 30
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
primer"

<220>
<221> modified_base
<222> (26)..(30)
<223> Riboguanine

<220>
<221> source
<223> /note="3' phosphate blocking moiety"

<400> 5607
aagcagtggt atcaacgcag agtacggggg 30

<210> 5608
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
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<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
primer"

<220>
<221> modified_base
<222> (32)..(37)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (38)..(40)
<223> Riboguanine

<400> 5608
aagcagtggt atcaacgcag agtgcagugc unnnnnnggg 40

<210> 5609
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
<221> source

<223> /note="5' Biotin"

<220>
<221> modified_base
<222> (57)..(57)
<223> a, c, t, or g

<400> 5609
aagcagtggt atcaacgcag agtacttttt ttttttttt ttttttttt ttttvn 57

<210> 5610
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> source
<223> /note="5' Biotin"

<400> 5610
aagcagtggt atcaacgcag agt 23

<210> 5611
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5611
ctaatacgac tcactatagg gcaagcagtg gtatcaacgc agagt 45

<210> 5612
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5612
ctaatacgac tcactatagg gc 22

<210> 5613
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5613
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<210> 5614
<211> 59
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
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<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5614
ccgggagctg catgtgtcag aggnnnnnnn nccttaccta caacggttaa cctggtccc 59

<210> 5615
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5615
ccgggagctg catgtgtcag aggnnnnnnn ncttactcac ctacaacagt gagccaactt 60

cc 62

<210> 5616
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5616
ccgggagctg catgtgtcag aggnnnnnnn natacccaag acagagagct gggttcc 57

<210> 5617
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
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<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5617
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<210> 5618
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5618
ccgggagctg catgtgtcag aggnnnnnnn nctgtcacag tgagcctggt ccc 53

<210> 5619
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5619
ccgggagctg catgtgtcag aggnnnnnnn ncacggtgag ccgtgtccc 49

<210> 5620
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5620
ccgggagctg catgtgtcag aggnnnnnnn nccagtacgg tcagcctaga gcc 53

<210> 5621
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5621
ccgggagctg catgtgtcag aggnnnnnnn ncactgtcag ccgggtgcc 49

<210> 5622
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5622
ccgggagctg catgtgtcag aggnnnnnnn ncactgagag ccgggtccc 49

<210> 5623
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5623
ccgggagctg catgtgtcag aggnnnnnnn naccaggagc cgcgtgcc 48

<210> 5624
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
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<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5624
ccgggagctg catgtgtcag aggnnnnnnn ncacggtcag cctgctgcc 49

<210> 5625
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<220>
<221> modified_base
<222> (24)..(31)
<223> a, c, t, g, unknown or other

<400> 5625
ccgggagctg catgtgtcag aggnnnnnnn ngaccgtgag cctggtgcc 49

<210> 5626
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic primer"

<400> 5626
gggctggcaa gccacgtttg gtggaatgcc ctgacagctc tcgcttata 49

<210> 5627
<211> 64
<212> DNA
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<223> /note="Description of Artificial Sequence: Synthetic primer"

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CLAIMS

What is claimed is:

1. A method of identifying a plurality of cognate pairs comprising a first polypeptide and a second polypeptide that form an adaptive immune receptor heterodimer, said adaptive immune receptor heterodimer comprising a T cell receptor (TCR) or Immunoglobulin (IG) from a single clone in a sample, said sample comprising a plurality of lymphoid cells from a mammalian subject, said method comprising:

distributing a plurality of lymphoid cells among a plurality of containers, each container comprising a plurality of lymphoid cells;

generating a library of amplicons in said plurality of containers by performing multiplex PCR of cDNA molecules that have been reverse-transcribed from mRNA molecules obtained from said plurality of lymphoid cells, said library of amplicons comprising:

i) a plurality of first adaptive immune receptor amplicons encoding said first polypeptide, each comprising a unique variable (V) region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence, and

ii) a plurality of second adaptive immune receptor amplicons encoding said second polypeptide, each comprising a unique V region encoding sequence, a unique J region encoding sequence or both a unique J region encoding sequence and a unique C region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence;

performing high throughput sequencing of said library of amplicons to obtain a data set of a plurality of first and second adaptive immune receptor amplicon sequences;

determining a container occupancy pattern for each unique first adaptor immune receptor amplicon sequence by assigning each unique first adaptor immune receptor amplicon sequence to one or more containers, and a container occupancy pattern for each unique second adaptor immune receptor amplicon

sequence by assigning each unique second adaptor immune receptor amplicon sequence to one or more containers, wherein each barcode sequence in said unique first or second adaptor immune receptor amplicon sequences is associated with a particular container;

for each possible pairing of a unique first and second adaptive immune receptor amplicon sequence to form a putative cognate pair, calculating a statistical probability of observing said container occupancy patterns, or observing any larger proportion of shared containers than expected by chance, given that said first and second adaptor immune receptor amplicon sequences do not originate from the same clonal population of lymphoid cells;

identifying a plurality of a putative cognate pairs based on said statistical probability having a score lower than a predetermined likelihood cutoff;

for each identified putative cognate pair, determining a false discovery rate estimation for a possible false pairing of said unique first adaptor immune receptor amplicon sequence and said unique second adaptor immune receptor amplicon sequence; and

identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs that encode said adaptive immune receptors in said sample based on said statistical probability and said false discovery rate estimation.

2. The method of claim 1, wherein said statistical score comprises a p-value calculated for pairing each putative cognate pair of unique first and second adaptive immune receptor amplicon sequences.

3. The method of claim 2, wherein calculating said statistical score comprises calculating a probability that said unique first and second adaptive immune receptor amplicon sequences should jointly occupy as many or more containers than they are observed to jointly occupy, assuming no true cognate pairing and given the number of containers occupied by said unique first adaptive immune receptor amplicon sequence and the number of containers occupied by said unique second adaptive immune receptor amplicon sequence.

4. The method of claim 2, wherein identifying a plurality of a putative cognate pairs that have a high likelihood of pairing based on said statistical probability comprises for each unique first adaptor immune receptor amplicon sequence identifying the unique second

adaptor immune receptor amplicon sequence that has the lowest p-value score of matching, or for each unique second adaptor immune receptor amplicon sequence finding the unique first adaptor immune receptor amplicon sequence that has the lowest p-value score of matching.

5. The method of any one of claims 2-4, wherein determining a false discovery rate estimation comprises:

calculating p-values for each of said plurality of putative cognate pairs identified in said sample;

comparing the p-values for all of said plurality of putative cognate pairs with an expected p-value distribution, said expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and

determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of said putative cognate pair are determined to represent a true cognate pairing.

6. The method of claim 4, wherein calculating said expected p-value distribution comprises:

permuting the containers in which each first and second adaptive immune receptor sequence has been observed in an otherwise-identical experiment with no true cognate pairs, and

calculating the distribution of p-values associated with each putative cognate pair.

7. The method of claim 5, further comprising identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs by selecting a plurality of putative cognate pairs that have p-values below a threshold calculated based on said false discovery rate estimation.

8. The method of claim 7, wherein an identified cognate pair of unique first and second adaptive immune receptor amplicon sequences have a false discovery rate estimation of less than 1%.

9. The method of claim 1, further comprising:

contacting each of said plurality of containers, under conditions and for a time sufficient to promote reverse transcription of mRNA molecules obtained from said plurality of lymphoid cells, with a first reverse transcription primer set, wherein (A) said first oligonucleotide reverse transcription primer set comprises primers capable of reverse transcribing a plurality of mRNA

sequences encoding said plurality of first and second adaptive immune receptor polypeptides for generating a plurality of first and second reverse-transcribed adaptive immune receptor cDNA amplicons,

wherein said plurality of first reverse-transcribed adaptive immune receptor cDNA amplicons encoding said first adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, and

wherein said plurality of second reverse-transcribed adaptive immune receptor cDNA amplicons encoding said second adaptive immune receptor polypeptide comprise 1) a unique V region encoding gene sequence, and 2) a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence.

10. The method of claim 9, further comprising:

contacting each of said plurality of containers, under conditions and for a time sufficient to promote a multiplex PCR amplification of said first and second reverse-transcribed adaptive immune receptor cDNA amplicons with a second (B) and third (C) oligonucleotide primer sets,

wherein (B) said second oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of first reverse-transcribed adaptor immune receptor cDNA amplicons, wherein said forward and reverse primers each are capable of hybridizing to said first reverse-transcribed adaptive immune receptor cDNA amplicons;

wherein each pair of forward and reverse primers in said second oligonucleotide primer set is capable of amplifying said first reverse-transcribed adaptive immune receptor cDNA amplicons,

wherein said forward primers in said second oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence,

wherein said reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence or said C region encoding gene sequence,

wherein (C) said third oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of reverse-transcribed second adaptive immune receptor cDNA amplicons;

wherein each pair of forward and reverse primers in said third oligonucleotide primer set is capable of amplifying said second reverse-transcribed adaptive immune receptor cDNA amplicons,

wherein said forward primers in said third oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence,

wherein said reverse primers in said third oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence or complementary to said C region encoding gene sequence; and

generating i) a plurality of third adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences, and ii) a plurality of fourth adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence or both a unique J region encoding gene sequence and a unique C region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences.

11. The method of claim 10, further comprising:

contacting each of said plurality of containers, under conditions and for a time sufficient to promote a second multiplex PCR amplification of said plurality of third and fourth adaptive immune receptor amplicons with a fourth (D) oligonucleotide primer set and fifth (E) oligonucleotide primer set,

wherein (D) said fourth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of third adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said third adaptive immune receptor amplicons;

wherein each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said third adaptor immune receptor amplicons,

wherein said forward primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of third adaptive immune receptor amplicon and said reverse primer comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of third adaptive immune receptor amplicons,

wherein either one or both of said forward and reverse primers in said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced,

wherein (E) said fifth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of fourth adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said fourth adaptive immune receptor amplicons,

wherein each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said plurality of fourth adaptor immune receptor amplicons,

wherein said forward primer in said fifth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons, and said reverse primer in said fifth oligonucleotide primer set

comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons,

wherein either one or both of said forward and reverse primers of said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced,

thereby generating said library of amplicons comprising said plurality of first adaptive immune receptor amplicons and said plurality of second adaptive immune receptor amplicons.

12. The method of claim 11, further comprising combining said library of amplicons from said plurality of containers into a mixture for sequencing.

13. The method of claim 1, wherein said plurality of first adaptive immune receptor amplicons comprise a C region encoding sequence.

14. The method of claim 1, wherein said plurality of second adaptive immune receptor amplicons comprise a C region encoding sequence.

15. The method of claim 1, wherein said sample comprises a blood sample.

16. The method of claim 1, wherein said sample comprises a tissue sample.

17. The method of claim 1, wherein said sample comprises a sample purified or cultured human lymphoid cells.

18. The method of claim 1, wherein each container comprises at least 10^4 lymphoid cells.

19. The method of claim 1, wherein said sample comprises at least 10^4 cells.

20. The method of claim 1, wherein said first polypeptide of said adaptive immune receptor heterodimer is a TCR alpha (TCRA) chain and the second polypeptide of said adaptive immune receptor heterodimer is a TCR beta (TCRB) chain.

21. The method of claim 1, wherein said first polypeptide of the adaptive immune receptor heterodimer is a TCR gamma (TCRG) chain and said second polypeptide of said adaptive immune receptor heterodimer is a TCR delta (TCRD) chain.

22. The method of claim 1, wherein said first polypeptide of said adaptive immune receptor heterodimer is an immunoglobulin heavy (IGH) chain and said second polypeptide of the adaptive immune receptor heterodimer is selected from an immunoglobulin light IGL or an IGK chain.

23. The method of claim 22, wherein if the first polypeptide of the adaptive immune receptor heterodimer is an IGH chain and the second polypeptide of the adaptive immune receptor heterodimer is both IGL and IGK, then three different amplification primer sets are used comprising: a first oligonucleotide amplification primer set for IGH, a second oligonucleotide amplification primer set for IGK, and a third oligonucleotide amplification primer set for IGL.

24. A method of identifying a plurality of cognate pairs comprising a first polypeptide and a second polypeptide that form an adaptive immune receptor heterodimer, said adaptive immune receptor heterodimer comprising a T cell receptor (TCR) or Immunoglobulin (IG) from a single clone in a sample, said sample comprising a plurality of lymphoid cells from a mammalian subject, said method comprising:

distributing a plurality of lymphoid cells among a plurality of containers, each container comprising a plurality of lymphoid cells;

generating a library of amplicons in said plurality of containers by performing multiplex PCR of genomic molecules obtained from said plurality of lymphoid cells, said library of amplicons comprising:

i) a plurality of first adaptive immune receptor amplicons encoding said first polypeptide, each comprising a unique variable (V) region encoding sequence, a unique J region encoding sequence, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence, and

ii) a plurality of second adaptive immune receptor amplicons encoding said second polypeptide, each comprising a unique V region encoding sequence, a unique J region encoding, at least one barcode sequence, at least one universal adaptor sequence, and a sequencing platform tag sequence;

performing high throughput sequencing of said library of amplicons to obtain a data set of a plurality of first and second adaptive immune receptor amplicon sequences;

determining a container occupancy pattern for each unique first adaptor immune receptor amplicon sequence by assigning each unique first adaptor immune receptor amplicon sequence to one or more containers, and a container occupancy pattern for each unique second adaptor immune receptor amplicon

sequence by assigning each unique second adaptor immune receptor amplicon sequence to one or more containers, wherein each barcode sequence in said unique first or second adaptor immune receptor amplicon sequences is associated with a particular container;

for each possible pairing of a unique first and second adaptive immune receptor amplicon sequence to form a putative cognate pair, calculating a statistical probability of observing said container occupancy patterns, or observing any larger proportion of shared containers than expected by chance, given that said first and second adaptor immune receptor amplicon sequences do not originate from the same clonal population of lymphoid cells;

identifying a plurality of a putative cognate pairs based on said statistical probability having a score lower than a predetermined likelihood cutoff;

for each identified putative cognate pair, determining a false discovery rate estimation for a possible false pairing of said unique first adaptor immune receptor amplicon sequence and said unique second adaptor immune receptor amplicon sequence; and

identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs that encode said adaptive immune receptors in said sample based on said statistical probability and said false discovery rate estimation.

25. The method of claim 24, wherein said statistical score comprises a p-value calculated for pairing each putative cognate pair of unique first and second adaptive immune receptor amplicon sequences.

26. The method of claim 25, wherein calculating said statistical score comprises calculating a probability that said unique first and second adaptive immune receptor amplicon sequences should jointly occupy as many or more containers than they are observed to jointly occupy, assuming no true cognate pairing and given the number of containers occupied by said unique first adaptive immune receptor amplicon sequence and the number of containers occupied by said unique second adaptive immune receptor amplicon sequence.

27. The method of claim 25, wherein identifying a plurality of a putative cognate pairs that have a high likelihood of pairing based on said statistical probability comprises for each unique first adaptor immune receptor amplicon sequence identifying the unique second

adaptor immune receptor amplicon sequence that has the lowest p-value score of matching, or for each unique second adaptor immune receptor amplicon sequence finding the unique first adaptor immune receptor amplicon sequence that has the lowest p-value score of matching.

28. The method of any one of claims 24-27, wherein determining a false discovery rate estimation comprises:

calculating p-values for each of said plurality of putative cognate pairs identified in said sample;

comparing the p-values for all of said plurality of putative cognate pairs with an expected p-value distribution, said expected p-value distribution calculated to represent an experiment where no true cognate pairs are present; and

determining for each putative cognate pair, an expected proportion of false positive results such that all p-values at or below the p-value of said putative cognate pair are determined to represent a true cognate pairing.

29. The method of claim 28, wherein calculating said expected p-value distribution comprises:

permuting the containers in which each first and second adaptive immune receptor sequence has been observed in an otherwise-identical experiment with no true cognate pairs, and

calculating the distribution of p-values associated with each putative cognate pair.

30. The method of claim 29, further comprising identifying a plurality of cognate pairs of unique first and second adaptive immune receptor sequences as true cognate pairs by selecting a plurality of putative cognate pairs that have p-values below a threshold calculated based on said false discovery rate estimation.

31. The method of claim 30, wherein an identified cognate pair of unique first and second adaptive immune receptor amplicon sequences have a false discovery rate estimation of less than 1%.

32. The method of claim 24, further comprising:

contacting each of said plurality of containers, under conditions and for a time sufficient to promote a multiplex PCR amplification of said first and second adaptive immune receptor cDNA amplicons with a first (A) and second (B) oligonucleotide primer sets,

wherein (A) said first oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of first adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said first adaptive immune receptor amplicons;

wherein each pair of forward and reverse primers in said first oligonucleotide primer set is capable of amplifying said first adaptive immune receptor amplicons,

wherein said forward primers in said first oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence,

wherein said reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence,

wherein (B) said second oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of second adaptive immune receptor amplicons;

wherein each pair of forward and reverse primers in said second oligonucleotide primer set is capable of amplifying said second adaptive immune receptor amplicons,

wherein said forward primers in said second oligonucleotide primer set comprise a first universal adaptor sequence and a region complementary to said V region encoding gene sequence,

wherein said reverse primers in said second oligonucleotide primer set comprise a second universal adaptor sequence and a region complementary to said J region encoding gene sequence; and

generating i) a plurality of third adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences, and ii) a plurality of fourth adaptive immune receptor amplicons each comprising a unique V region encoding gene sequence, or complement thereof, a unique J region encoding gene sequence, or complement thereof, and said first and second universal adaptor sequences.

33. The method of claim 32, further comprising:

contacting each of said plurality of containers, under conditions and for a time sufficient to promote a second multiplex PCR amplification of said plurality of third and fourth adaptive immune receptor amplicons with a third (C) oligonucleotide primer set and fourth (D) oligonucleotide primer set,

wherein (C) said third oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of third adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said third adaptive immune receptor amplicons;

wherein each pair of forward and reverse primers in said third oligonucleotide primer set is capable of amplifying said second adaptor immune receptor amplicons,

wherein said forward primer in said third oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of third adaptive immune receptor amplicon and said reverse primer in said third oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of second adaptive immune receptor amplicons,

wherein either one or both of said forward and reverse primers in said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said third oligonucleotide primer set is introduced,

wherein (D) said fourth oligonucleotide primer set comprises forward and reverse primers capable of amplifying said plurality of fourth adaptor immune receptor amplicons, wherein said forward and reverse primers each are capable of hybridizing to said fourth adaptive immune receptor amplicons,

wherein each pair of forward and reverse primers in said fourth oligonucleotide primer set is capable of amplifying said plurality of fourth adaptor immune receptor amplicons,

wherein said forward primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said first universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons, and said reverse primer in said fourth oligonucleotide primer set comprises a sequencing platform tag sequence and a region complementary to said second universal adaptor sequence in said plurality of fourth adaptive immune receptor amplicons,

wherein either one or both of said forward and reverse primers of said fourth oligonucleotide primer set comprises a unique barcode sequence associated with said container in which said fourth oligonucleotide primer set is introduced,

thereby generating said library of amplicons comprising said plurality of first adaptive immune receptor amplicons and said plurality of second adaptive immune receptor amplicons.

34. The method of claim 33, further comprising combining said library of amplicons from said plurality of containers into a mixture for sequencing.

35. The method of claim 24, wherein said sample comprises a blood sample.

36. The method of claim 24, wherein said sample comprises a tissue sample.

37. The method of claim 24, wherein said sample comprises a sample purified or cultured human lymphoid cells.

38. The method of claim 24, wherein each container comprises at least 10^4 lymphoid cells.

39. The method of claim 241, wherein said sample comprises at least 10^4 cells.

40. The method of claim 24, wherein said first polypeptide of said adaptive immune receptor heterodimer is a TCR alpha (TCRA) chain and the second polypeptide of said adaptive immune receptor heterodimer is a TCR beta (TCRB) chain.

41. The method of claim 24, wherein said first polypeptide of the adaptive immune receptor heterodimer is a TCR gamma (TCRG) chain and said second polypeptide of said adaptive immune receptor heterodimer is a TCR delta (TCRD) chain.

42. The method of claim 24, wherein said first polypeptide of said adaptive immune receptor heterodimer is an immunoglobulin heavy (IGH) chain and said second polypeptide of the adaptive immune receptor heterodimer is selected from an immunoglobulin light IGL or an IGK chain.

43. The method of claim 42, wherein if the first polypeptide of the adaptive immune receptor heterodimer is an IGH chain and the second polypeptide of the adaptive immune receptor heterodimer is both IGL and IGK, then three different amplification primer sets are used comprising: a first oligonucleotide amplification primer set for IGH, a second oligonucleotide amplification primer set for IGK, and a third oligonucleotide amplification primer set for IGL.