

SEQUENCE LISTING

<110> GENERATION BIO CO.

<120> CLOSE-ENDED DNA (CEDNA) AND USE IN METHODS OF REDUCING GENE OR NUCLEIC ACID THERAPY RELATED IMMUNE RESPONSE

<130> 131698-03320

<140> PCT/US2020/015026

<141> 2020-01-24

<150> 62/857,542

<151> 2019-06-05

<150> 62/814,424

<151> 2019-03-06

<150> 62/814,414

<151> 2019-03-06

<150> 62/800,303

<151> 2019-02-01

<150> 62/800,285

<151> 2019-02-01

<150> 62/796,450

<151> 2019-01-24

<150> 62/796,417

<151> 2019-01-24

<160> 1220

<170> PatentIn version 3.5

<210> 1

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

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ccgggcgacc aaaggtcgcc cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc 120

gagcgcgag ctgcctgcag g 141

<210> 2
<211> 130
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 2
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg gcggcctcag tgagcgagcg agcgcgagc 120
tgcctgcagg 130

<210> 3
<211> 1923
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 3
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aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg 180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc 240
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cca	1923

<210> 4

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

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ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc aactgaaca aacttcagcc	120

tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
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ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
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cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaa atacggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt gaatccggac tctaaggtaa atataaaatt	1200
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<210> 5

<211> 547

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 5

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tgaccttgga gctggggcag aggtcagaga cctctctggg ccatgccac ctccaacatc	120

cactcgaccc cttggaatth ttcggtggag aggagcagag gttgtcctgg cgtggttttag	180
gtagtgtgag aggggaatga ctcttttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcatatccc agccagtgga cttagcccct	300
gtttgtcctt ccgataactg gggtgacctt ggttaatat caccagcagc ctccccggt	360
gccccctctgg atccactgct taaatacggg caggacagg gccctgtctc ctcatcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaatata aaatthttta	480
gtgtataatg tgthaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540
gaactga	547

<210> 6

<211> 1179

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 6

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ggaggggtcg gcaattgaac cgggtgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cttttttccc gaggggtgggg gagaaccgta tataagtga	180
gtagtcgccg tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtggtt cccgcgggcc tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttccacct ggctgcagta cgtgattctt gatcccgagc ttcgggttgga aagtgggtgg	360
gagagttcga ggccttgccg ttaaggagcc ctttcgcctc gtgcttgagt tgaggcctgg	420
cctgggcgct ggggccgccg cgtgcgaatc tgggtggcacc ttcgcgcctg tctcgtgct	480
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gcgggcggcg acggggcccg tgcgtcccag cgcacatggt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
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gttgctgag cggaaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840
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<210> 7

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 7

gtttaaac

8

<210> 8

<211> 581

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 8

gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat	60
ttaaattgta ataaaacaaa atggtggggc aatcatttac attttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattctt	240
aactatgttg ctccttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctgggt gctgtctctt	360
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<210> 9
 <211> 225
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg	180
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<210> 10
 <211> 213
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 10 taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta	60
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ttaacaacaa caattgcatt cattttatgt ttcaggttca gggggaggtg tgggaggttt	180
tttaaagcaa gtaaaacctc tacaaatgtg gta	213

<210> 11
 <211> 1386
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 11 atgcagcgcg tgaacatgat catggccgag agccccggcc tgatcaccat ctgcctgctg	60
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ggctacctgc tgagcgccga gtgcaccgtg ttcctggacc acgagaacgc caacaagatc	120
ctgaaccgcc ccaagcgcta caacagcggc aagctggagg agttcgtgca gggcaacctg	180
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<210> 12

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

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acctaa	1386

<210> 13

<211> 1876
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 13

cgagccacc atggcggggt tttacgagat tgtgattaag gtccccagcg accttgacgg	60
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gccgccagat tctgacatgg atctgaatct gattgagcag gcacccctga ccgtggccga	180
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tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
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<210> 14

<211> 1194

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 14

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gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg	180
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tgcaagtcct cggcccagat agacccgact cccgtgatcg tcacctcaa caccaacatg	600
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gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc	780
tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagtgag	840
cccaaacggg tgcgcgagtc agttgcgcag ccatcgacgt cagacgcgga agcttcgac	900
aactacgcag accgctacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg	960
tttccctgca gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga	1020
cagaaagact gtttagagtg ctttcccgtg tcagaatctc aaccgtttc tgtcgtcaaa	1080
aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
actgcctgcg atctgggtcaa tgtggatttg gatgactgca tctttgaaca ataa	1194

<210> 15

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 15

aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttggt	60
cgccatccgg ttggtataaa tagacgttca tgttggtttt tgtttcagtt gcaagttggc	120
tgcggcgcg cgcagcacctt t	141

<210> 16

<211> 556

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 16

ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt cgggtggagag gagcagaggt tgtcctggcg tggtttaggt	180
agtgtgagag gggaatgact cttttcggtg agtgcagtgg aagctgtaca ctgcccaggc	240
aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact tagcccctgt	300

ttgctcctcc gataactggg gtgaccttgg ttaatattca ccagcagcct cccccgttgc	360
ccctctggat ccactgctta aatacggacg aggacactcg agggccctgt ctcctcagct	420
tcaggcacca ccactgacct gggacagtga atccggacat cgattctaag gtaaataata	480
aatttttaag tgtataattt gttaaaactac tgattctaata tgtttctctc ttttagattc	540
caaccttttg aactga	556

<210> 17
 <211> 80
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 17	
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgccc cgggcggcct	60
cagtgcgcga gcgagcgcgc	80

<210> 18
 <211> 241
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 18	
gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgtttagagag	60
ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga	120
aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat	180
atgcttaccg taacttgaaa gtatttcgat ttcttggcctt tatatatctt gtggaaagga	240
c	241

<210> 19
 <211> 215
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 19
gaacgctgac gtcacgaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa 60
caccagcgc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc 120
tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg 180
gatttgggaa tcgtataaga actgtatgag accac 215

<210> 20
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 20
ataaacgata acgccgttgg tggcgtgagg catgtaaaag gttacatcat tatcttgttc 60
gccatccggg tggataaat agacgttcat gttggttttt gtttcagttg caagttggct 120
gcggcgcgcg cagcaccttt gcggccatct 150

<210> 21

<400> 21
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<210> 22

<400> 22
000

<210> 23

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<210> 26

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<400> 36
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<210> 37

<400> 37
000

<210> 38

<400> 38
000

<210> 39
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39
gcgcgctcgc tcgctc

16

<210> 40

<400> 40
000

<210> 41

<400> 41
000

<210> 42

<400> 42
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<210> 43

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<210> 45

<400> 45
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<400> 47
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<210> 48

<400> 48
000

<210> 49

<400> 49
000

<210> 50

<400> 50
000

<210> 51
 <211> 141
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 51
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca 120
 actccatcac taggggttcc t 141

<210> 52
 <211> 130
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 52
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcgtcg ggcgaccttt 60
 ggtcgccccg cctcagttag cgagcgagcg cgagagagg gagtggccaa ctccatcact 120
 aggggttcct 130

<210> 53
 <211> 3123
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 53
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 cgggcgcctc agtgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg 120
 gttcctgaac agagaaacag gagaatatgg gccaaacagg atatctgtgg taagcagttc 180
 ctgccccggc tcagggccaa gaacagttgg aacagcagaa tatgggccaa acaggatatc 240
 tgtggtgaagc agttcctgcc ccggctcagg gccagaaca gatggtcccc agatgcggtc 300

ccgccctcag cagtttctag agaaccatca gatgtttcca gggtgcccca aggacctgaa	360
atgaccctgt gccttatttg aactaaccaa tcagttcgct tctcgcttct gttcgcgcgc	420
ttctgctccc cgagctctat ataagcagag ctcgtttagt gaaccgtcag atcgcctgga	480
gacgccatcc acgctgtttt gacttccata gaaggccgcc accatggaag acgccaaaaa	540
cataaagaaa ggcccggcgc cattctatcc gctggaagat ggaaccgtg gagagcaact	600
gcataaggct atgaagagat acgccctggg tcctggaaca attgctttta cagatgcaca	660
tatcgagggtg gacatcactt acgctgagta cttcgaaatg tccgttcggg tggcagaagc	720
tatgaaacga tatgggctga atacaaatca cagaatcgtc gtatgcagtg aaaactctct	780
tcaattcttt atgccggtgt tgggcgcggt atttatcgga gttgcagttg cgcccgcgaa	840
cgacatttat aatgaacgtg aattgctcaa cagtatgggc atttcgcagc ctaccgtggt	900
gttcgtttcc aaaaaggggt tgcaaaaaat tttgaacgtg caaaaaaagc tcccaatcat	960
caaaaaaatt attatcatgg attctaaaac ggattaccag ggatttcagt cgatgtacac	1020
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ttttggaatg tttactacac tcggatattt gatatgtgga tttcgagtcg tcttaatgta	1320
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aagaggcgaa ctgtgtgtga gaggtcctat gattatgtcc ggttatgtaa acaatccgga	1740
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ggacgaagac gaacacttct tcatcgttga ccgcctgaag tctctgatta agtacaaagg	1860
ctatcagggtg gctcccgtg aattggaatc catcttgctc caacaccca acatcttcga	1920

cgcaggtgtc gcaggtcttc ccgacgatga cgccggtgaa cttcccgcgc ccgttgttgt	1980
tttggagcac ggaaagacga tgacggaaaa agagatcgtg gattacgtcg ccagtcaagt	2040
aacaaccgcg aaaaagtgtc gcggaggagt tgtgtttgtg gacgaagtac cgaaaggtct	2100
taccggaaaa ctgcacgcaa gaaaaatcag agagatcctc ataaaggcca agaagggcgg	2160
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tgatttgggt atacatttaa atgttaataa aacaaaatgg tggggcaatc atttacattt	2280
ttagggatat gtaattacta gttcaggtgt attgccacaa gacaaacatg ttaagaaact	2340
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gcctctgtat ctagctattg cttcccgtac ggctttcgtt ttctcctcct tgtataaatc	2520
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agacaatagc aggcattgctg gggatgcggt gggctctatg gcaggaacct ctagtgatgg	3000
agttggccac tccctctctg cgcgctcgct cgctcactga ggccgggcga ccaaaggtcg	3060
cccgacgcc gggctttgcc cgggcggcct cagtgagcga gcgagcgcgc agctgcctgc	3120
agg	3123

<210> 54

<211> 3117

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 54

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
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gggcgacctt tggtcgcccg gcctcagtga gcgagcgagc ggcgagagag ggagtggcca	120
actccatcac taggggttcc tgaacagaga aacaggagaa tatgggccaa acaggatatc	180
tgtggtaagc agttcctgcc ccggctcagg gccagaaca gttggaacag cagaatatgg	240
gccaaacagg atatctgtgg taagcagttc ctgccccggc tcagggccaa gaacagatgg	300
tccccagatg cgggtccgcc ctacagcagtt tctagagaac catcagatgt ttccagggtg	360
ccccaaggac ctgaaatgac cctgtgcctt atttgaacta accaatcagt tcgcttctcg	420
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gtcagatcgc ctggagacgc catccacgct gttttgactt ccatagaagg ccgccaccat	540
ggaagacgcc aaaaacataa agaaaggccc ggcgccattc tatccgctgg aagatggaac	600
cgctggagag caactgcata aggctatgaa gagatacgcc ctggttcctg gaacaattgc	660
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ggaagtcggg gaagcggttg ccaagagggt ccatctgccca ggtatcaggc aaggatatgg	1560
gctcactgag actacatcag ctattctgat tacacccgag ggggatgata aaccgggcgc	1620
ggtcggtaaa gttgttccat tttttgaagc gaaggttgtg gatctggata ccgggaaaac	1680

gctgggcgtt aatcaaagag gcgaactgtg tgtgagaggt cctatgatta tgtccggtta	1740
tgtaaacaat ccggaagcga ccaacgcctt gattgacaag gatggatggc tacattcttg	1800
agacatagct tactgggacg aagacgaaca cttcttcacg gttgaccgcc tgaagtctct	1860
gattaagtac aaaggctatc aggtggctcc cgctgaattg gaatccatct tgctccaaca	1920
ccccaacatc ttcgacgcag gtgtcgcagg tcttcccgcg gatgacgccg gtgaacttcc	1980
cgccgccgtt gttgttttgg agcacggaaa gacgatgacg gaaaaagaga tcgtggatta	2040
cgtcgccagt caagtaacaa ccgcgaaaaa gttgcgcgga ggagtgtgtt ttgtggacga	2100
agtaccgaaa ggtcttaccg gaaaactcga cgcaagaaaa atcagagaga tcctcataaa	2160
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acgtggcgtg gtgtgctctg tgtttgctga cgcaaccccc actggctggg gcattgccac	2640
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gggggaggat tgggaagaca atagcaggca tgctggggat gcggtgggct ctatggcagg	3000
aacccttagt gatggagttg gccactccct ctctgcgcgc tcgctcgctc actgaggccg	3060
cccgggaaac ccgggcgtgc gcctcagtga gcgagcgagc gcgcagctgc ctgcagg	3117

<210> 55

<211> 2841

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 55

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cgggcgcctc agtgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg	120
gttcctgaac agagaaacag gagaatatgg gccaaacagg atatctgtgg taagcagttc	180
ctgccccggc tcagggccaa gaacagttgg aacagcagaa tatgggccaa acaggatatc	240
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gacgccatcc acgctgtttt gacttccata gaaggccgcc accatgatca tggccgagag	540
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cctggaccac gagaacgcca acaagatcct gaaccggccc aagagataca acagcggcaa	660
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catcaacagc tacgagtgtt ggtgcccttt cggcttcgag ggcaagaact gcgagctgga	900
cgtgacctgc aacatcaaga acggccgctg cgagcagttc tgcaagaaca gcgccgacaa	960
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tatttgttct gtttttcttg atttgggtat acatttaaatt gtttaataaaa caaaatggtg	1980
gggcaatcat ttacattttt agggatatgt aattactagt tcaggtgtat tgccacaaga	2040
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ccgggcgacc aaaggtcgcc cgacggcgg gctttgccc ggcggcctca gtgagcgagc	2820
gagcgcgcag ctgcctgcag g	2841

<210> 56

<211> 2835

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 56

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<210> 57

<211> 3912

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 57

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<210> 58

<211> 3906

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 58

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<211> 3630

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 59

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<210> 60

<211> 3624

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 60

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<210> 61
 <211> 4257
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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<210> 62

<211> 2510

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 62

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<210> 63

<211> 126

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 63

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cgggcgcctc agtgagcgag cgagcgcgca gagaggaggt ggccaactcc atcactaggg	120
gttcct	126

<210> 64
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 64
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgcccggga aaccggggcg tgcgcctcag tgagcgagcg agcgcgcagc tgcctgcagg 120

<210> 65
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 65
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cagtgcgcga gcgagcgcg 80

<210> 66
<211> 141
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 66
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cgccatccgg ttggtataaa tagacgttca tgttggtttt tgtttcagtt gcaagttggc 120
tgcggcgcg gcagcacctt t 141

<210> 67
<211> 1876
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 67

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atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctctgggaca aggggattac	720
ctcggagaag cagtggatcc aggaggacca ggcctcatat atctccttca atgcggcctc	780
caactcgcg tcccaaatca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac	840
taaaaccgcc cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg	900
gatttataaa attttggaac taaacgggta cgatcccaa tatgcggctt ccgtctttct	960
gggatgggcc acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac	1020
taccgggaag accaaccatc cggaggccat agcccacact gtgcccttct acgggtgcgt	1080
aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg	1140
ggaggagggg aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag	1200
caaggtgcgc gtggaccaga aatgcaagtc ctcggcccag atagaccga ctcccgtgat	1260
cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga ctttgaaca	1320
ccagcagccg ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga	1380
ctttgggaag gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt	1440
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cagtgcgcga gatataagtg agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac	1560
gtcagacgcg gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca	1620
cgtgggcatg aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc	1680
aaatatctgc ttcactcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc	1740
tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaagggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 68

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 68

atcatggaga taattaaaat gataaccatc tcgcaaataa ataagtattt tactgttttc	60
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gtaacagttt tgtaataaaa aaacctataa atattccgga ttattcatac cgtcccacca	120
---	-----

tcgggcgcg	129
-----------	-----

<210> 69

<211> 1203

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 69

gccgccacca tggagttggt gggctggctc gtggacaaag gcattacttc ggaaaagcag	60
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tggattcagg aggatcaggc atcttacatc tcattcaacg ctgccagtaa ctcgaggtcc	120
---	-----

cagatcaagg cagcgctgga caacgcggga aagattatga gtctgaccaa aactgctcca	180
---	-----

gactacctcg ttggtcagca accggtggaa gatattctcca gcaacaggat ctacaagatt	240
--	-----

ctggagctca acggctacga ccctcaatac gctgcctcag tgttcttggg ttgggccacc	300
---	-----

aagaaattcg gcaagagaaa cactatctgg ctgttcggcc ccgctaccac tggaaagaca	360
---	-----

aacatcgag aagcgattgc tcacacggtg ccattctacg gctgcgtcaa ctggacaaac	420
gagaacttcc cggttaacga ctgtgtcgat aagatgggta tctgggtggga ggaaggaaag	480
atgacggcca aagtgggtcga aagcgccaag gcaattctgg gtggctctaa agtgcgcgtc	540
gaccagaagt gcaaattctt agctcaaattc gatcctaccc ccgttattgt gacatcaaac	600
acgaacatgt gtgccgtgat cgacggaaac agtacaacgt tcgaacacca gcaacctctc	660
caggatcgta tgttcaagtt cgagctcacc cgccgtttgg accatgattt cggcaaggtc	720
actaaacaag aggttaagga cttcttccgc tgggctaaag atcacgttgt ggaggttgaa	780
catgagttct acgtcaagaa aggaggtgct aagaaacgtc cagccccgtc ggacgcagat	840
atctccgaac ctaagagggt gagagagtcg gtcgcacagc caagcacttc tgacgcagaa	900
gcttccatta actacgcaga taggtaccaa aacaagtga gcagacacgt gggatatgaac	960
ttgatgctgt tcccatgccg ccagtgtgag cgtatgaacc aaaactctaa catctgtttc	1020
acacatggcc agaaggactg cctcgaatgt ttccctgtgt cagagagtca gcccgcttca	1080
gtcgtaaga aagcttacca aaagttgtgc tacatccacc atattatggg taaagtcct	1140
gatgcctgta ccgcttgta tctgggtcaac gtggatttgg acgactgtat tttcgagcaa	1200
taa	1203

<210> 70

<211> 388

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 70

gaacagagaa acaggagaat atgggcaaaa caggatatct gtggtaagca gttcctgccc	60
cggctcaggg ccaagaacag ttggaacagc agaatatggg ccaaacagga tatctgtggt	120
aagcagttcc tgccccggct caggccaag aacagatggg cccagatgc ggtcccgccc	180
tcagcagttt ctagagaacc atcagatggt tccagggtgc cccaaggacc tgaaatgacc	240
ctgtgcctta tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcttctgc	300
tccccgagct ctatataagc agagctcggt tagtgaaccg tcagatcgcc tggagacgcc	360
atccacgctg ttttgacttc catagaag	388

<210> 71
 <211> 1662
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 71
 gccgccacca tggaagacgc caaaaacata aagaaaggcc cggcgccatt ctatccgctg 60
 gaagatggaa ccgctggaga gcaactgcat aaggctatga agagatacgc cctggttcct 120
 ggaacaattg cttttacaga tgcacatatc gaggtggaca tcacttacgc tgagtacttc 180
 gaaatgtccg ttcggttggc agaagctatg aaacgatatg ggctgaatac aaatcacaga 240
 atcgtcgtat gcagtgaaaa ctctcttcaa ttctttatgc cgggtgttggg cgcgttattt 300
 atcggagttg cagttgcgcc cgcgaacgac atttataatg aacgtgaatt gctcaacagt 360
 atgggcattt cgcagcctac cgtgggtgtt gtttcacaaa aggggttgca aaaaattttg 420
 aacgtgcaaa aaaagctccc aatcatccaa aaaattatta tcatggattc taaaacggat 480
 taccagggat ttcagtcgat gtacacgttc gtcacatctc atctacctcc cggttttaat 540
 gaatacgatt ttgtgccaga gtccttcgat agggacaaga caattgcact gatcatgaac 600
 tcctctggat ctactggtct gcctaaaggt gtcgctctgc ctcatagaac tgcctgcgtg 660
 agattctcgc atgccagaga tcctatTTTT ggcaatcaaa tcattccgga tactgcgatt 720
 ttaagtgttg ttccattcca tcacggtttt ggaatgttta ctacactcgg atatttgata 780
 tgtggatttc gagtctctt aatgtataga tttgaagaag agctgtttct gaggagcctt 840
 caggattaca agattcaaag tgcgctgctg gtgccaaccc tattctcctt cttcgccaaa 900
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ctacattctg gagacatagc ttactgggac gaagacgaac acttcttcat cgttgaccgc	1320
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ttgctccaac accccaacat cttcgacgca ggtgtcgcag gtcttcccga cgatgacgcc	1440
ggtgaacttc ccgccgccgt tgttgttttg gagcacggaa agacgatgac ggaaaaagag	1500
atcgtggatt acgtcgccag tcaagtaaca accgcgaaaa agttgcgcgg aggagttgtg	1560
tttgtggacg aagtaccgaa aggtcttacc ggaaaactcg acgcaagaaa aatcagagag	1620
atcctcataa aggccaagaa gggcggaaag atcgccgtgt aa	1662

<210> 72

<211> 581

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 72

gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat	60
ttaaagtta ataaaacaaa atggtggggc aatcatttac attttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattctt	240
aactatgttg ctccttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctggtt gctgtctctt	360
ttagaggagt tgtggccgt tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaaccccc ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt c	581

<210> 73

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 73
 tgtgccttct agttgccagc catctgttgt ttgccctcc cccgtgcctt ccttgaccct 60
 ggaaggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120
 gagtaggtgt cattctattc tgggggggtg ggtggggcag gacagcaagg gggaggattg 180
 ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc 225

<210> 74
 <211> 1177
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 74
 ggctcagagg ctgagaggca cacaggagtt tctgggctca ccctgcccc ttccaacccc 60
 tcagttccca tcctccagca gctgtttgtg tgctgcctct gaagtccaca ctgaacaaac 120
 ttcagcctac tcatgtccct aaaatgggca aacattgcaa gcagcaaaca gcaaacacac 180
 agccctccct gcctgctgac cttggagctg gggcagaggc cagagacctc tctgggcccc 240
 tgccacctcc aacatccact cgacccttg gaatttcggt ggagaggagc agaggttgtc 300
 ctggcgtggt ttaggtagt tgagagggtc cgggttcaaa accacttgct ggggtggggag 360
 tcgtcagtaa gtggctatgc cccgaccccg aagcctgttt ccccatctgt acaatggaaa 420
 tgataaagac gcccatctga tagggttttt gtggcaaata aacatttggt ttttttgttt 480
 tgttttgttt tgttttttga gatggagggt tgctctgtcg cccaggctgg agtgcagtga 540
 cacaatctca tctcaccaca accttcccct gcctcagcct cccaagtagc tgggattaca 600
 agcatgtgcc accacacctg gctaattttc tatttttagt agagacgggt ttctccatgt 660
 tggtcagcct cagcctccca agtaactggg attacaggcc tgtgccacca caccgggcta 720
 attttttcta tttttgacag ggacgggggt tcaccatggt ggtcaggctg gtctagagggt 780
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 ggacgctgtg gtttctgagc caggtacaat gactcctttc ggtaagtgca gtggaagctg 960
 tacactgccc aggcaaagcg tccgggcagc gtaggcgggc gactcagatc ccagccagtg 1020

gacttagccc ctgtttgctc ctccgataac tggggtgacc ttggttaata ttcaccagca	1080
gcctcccccg ttgcccctct ggatccactg cttaaatacg gacgaggaca gggccctgtc	1140
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<210> 75

<400> 75
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<210> 76

<400> 76
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<210> 99

<400> 99
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<210> 100

<400> 100
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<210> 101
 <211> 70
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 101
 gcgcgctcgc tcgctcactg aggccgcccc ggaaacccgg gcgtg'gcct cagtgcgcga 60

 gcgagcgcg 70

 <210> 102
 <211> 70
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 102
 gcgcgctcgc tcgctcactg aggcgcacgc ccgggtttcc cgggcgcgcct cagtgcgcga 60

 gcgagcgcg 70

 <210> 103
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 103
 gcgcgctcgc tcgctcactg aggccgtcgg gcgacctttg gtcgcccggc ctgcgtgcgc 60

 gagcgagcg gc 72

 <210> 104
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 104
gcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcggc ctgagtgagc 60
gagcgagcgc gc 72

<210> 105
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 105
gcgctcgc tcgctcactg aggccggcgg ggcaaagccc gggcgtcggc ctgagtgagc 60
gagcgagcgc gc 72

<210> 106
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 106
gcgctcgc tcgctcactg aggccgacgc ccgggctttg cccgggcggc ctgagtgagc 60
gagcgagcgc gc 72

<210> 107
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 107
gcgctcgc tcgctcactg aggccggcgg ggcaaagccc gggcgtcggg ctttgcccg 60
cctgagtgag cgagcgagcg cgc 83

<210> 108

<211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 108
 gcgcgctcgc tcgctcactg aggccgggca aagcccgacg cccgggcttt gcccgggcgg 60

 cctcagttag cgagcgagcg cgc 83

 <210> 109
 <211> 77
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 109
 gcgcgctcgc tcgctcactg aggccgaaac gtcgggcgac ctttggtcgc ccggcctcag 60

 tgagcgagcg agcgcg 77

 <210> 110
 <211> 77
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 110
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgtt tcggcctcag 60

 tgagcgagcg agcgcg 77

 <210> 111
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 111

gcgcgctcgc tcgctcactg aggcaaagcc tcagtgagcg agcgagcgcg c 51

<210> 112
 <211> 51
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 112
 gcgcgctcgc tcgctcactg aggctttgcc tcagtgagcg agcgagcgcg c 51

<210> 113
 <211> 80
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 113
 gcgcgctcgc tcgctcactg aggccgcccg ggcgtcgggc gacctttggt cgcccggcct 60
 cagtgagcga gcgagcgcgcg 80

<210> 114
 <211> 80
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 114
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgcc cgggcggcct 60
 cagtgagcga gcgagcgcgcg 80

<210> 115
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 115
gcgcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggtc gcccggcctc 60
agtgagcgag cgagcgcg 79

<210> 116
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 116
gcgcgctcgc tcgctcactg aggcggggcg accaaaggtc gcccgacgcc cgggcgcctc 60
agtgagcgag cgagcgcg 79

<210> 117
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 117
gcgcgctcgc tcgctcactg aggcgccccg ggcaaagccc gggcgtcggg cgactttgtc 60
gcccggcctc agtgagcgag cgagcgcg 89

<210> 118
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 118
gcgcgctcgc tcgctcactg aggcggggcg acaaagtcgc ccgacgcccg ggctttgccc 60
gggcggcctc agtgagcgag cgagcgcg 89

<210> 119
<211> 87

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 119
 gcgcgctcgc tcgctcactg aggccgccc ggcaaagccc gggcgtcggg cgattttcgc 60
 ccggcctcag tgagcgagcg agcgcg 87

 <210> 120
 <211> 87
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 120
 gcgcgctcgc tcgctcactg aggccgggcg aaaatcgccc gacgcccggg ctttgcccgg 60
 gcggcctcag tgagcgagcg agcgcg 87

 <210> 121
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 121
 gcgcgctcgc tcgctcactg aggccgccc ggcaaagccc gggcgtcggg cgtttcgccc 60
 ggcctcagt agcgagcgag cgcg 85

 <210> 122
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 122
 gcgcgctcgc tcgctcactg aggccgggcg aaacgcccga cgccgggct ttgcccgggc 60

ggcctcagtg agcgagcgag cgcgc 85

<210> 123
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 123
gcgcgctcgc tcgctcactg aggccgcccg ggaaaccg gcgtcgggcg acctttggtc 60
gcccggcctc agtgagcgag cgagcgcgc 89

<210> 124
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 124
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgcgc cggttttccc 60
gggcggcctc agtgagcgag cgagcgcgc 89

<210> 125
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 125
gcgcgctcgc tcgctcactg aggccgcccg gaaaccgggc gtcgggcgcac ctttggtcgc 60
ccggcctcag tgagcgagcg agcgcgc 87

<210> 126
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 126
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcaccc cggtttccgg 60
 gcggcctcag tgagcgagcg agcgcgc 87

<210> 127
 <211> 85
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 127
 gcgcgctcgc tcgctcactg aggccgcccg aaacgggctc cgggcgacct ttggtcgccc 60
 ggccctcagt agcgagcgag cgcgc 85

<210> 128
 <211> 85
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 128
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcaccc cgtttcgggc 60
 ggccctcagt agcgagcgag cgcgc 85

<210> 129
 <211> 83
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 129
 gcgcgctcgc tcgctcactg aggccgccc aaggcgctcg ggcgaccttt ggtcgcccgg 60
 cctcagtgag cgagcgagcg cgc 83

<210> 130
 <211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 130
 gcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc ctttgggcgg 60

 cctcagttag cgagcgagcg cgc 83

 <210> 131
 <211> 81
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 131
 gcgctcgc tcgctcactg aggccgcaa aggcgtcggg cgacctttgg tcgcccggcc 60

 tcagttagcg agcgagcgcg c 81

 <210> 132
 <211> 81
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 132
 gcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc tttggcggcc 60

 tcagttagcg agcgagcgcg c 81

 <210> 133
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
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agtgagcgag cgagcgcgc 79

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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16

<210> 302

<211> 8

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<223> Description of Artificial Sequence: Synthetic
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<400> 302

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<210> 303

<211> 22

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 303
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<210> 304
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<210> 305
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 305
gcctcagt 8

<210> 306
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gagcgagcga gcgcgc 16

<210> 307

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ctccgcccag ttccgcccatac tctccgcccc atggctgact aaaaaaaaaa atttatgcag	240
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gcctaggctt ttgcaaa	317

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<211> 576

<212> DNA

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<223> Description of Artificial Sequence: Synthetic polynucleotide

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atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca atgggtggag	180
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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polynucleotide

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<223> Description of Artificial Sequence: Synthetic
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Ala His Ser

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<223> Description of Artificial Sequence: Synthetic
peptide

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Met	Leu	Pro	Ser	Gln	Leu	Ile	Gly	Phe	Leu	Leu	Leu	Trp	Val	Pro	Ala
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Ser Arg Gly

<210> 315

<211> 7

<212> PRT

<213> Simian virus 40

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Pro	Lys	Lys	Lys	Arg	Lys	Val
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<212> PRT
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<223> Description of Unknown:
Nucleoplasmin bipartite NLS sequence

<400> 316
Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys
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<210> 317
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<212> PRT
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<223> Description of Unknown:
C-myc NLS sequence

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Pro Ala Ala Lys Arg Val Lys Leu Asp
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<210> 318
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<223> Description of Unknown:
C-myc NLS sequence

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Arg Gln Arg Arg Asn Glu Leu Lys Arg Ser Pro
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<210> 319
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<212> PRT
<213> Homo sapiens

<400> 319
Asn Gln Ser Ser Asn Phe Gly Pro Met Lys Gly Gly Asn Phe Gly Gly
1 5 10 15

Arg Ser Ser Gly Pro Tyr Gly Gly Gly Gly Gln Tyr Phe Ala Lys Pro
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Arg Asn Gln Gly Gly Tyr
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<223> Description of Unknown:
IBB domain from importin-alpha sequence

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Arg Met Arg Ile Glx Phe Lys Asn Lys Gly Lys Asp Thr Ala Glu Leu
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Asp Glu Gln Ile Leu Lys Arg Arg Asn Val
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<210> 321
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<212> PRT
<213> Unknown

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<223> Description of Unknown:
Myoma T protein sequence

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Val Ser Arg Lys Arg Pro Arg Pro
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<210> 322
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<212> PRT
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<223> Description of Unknown:
Myoma T protein sequence

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<400> 323
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1 5

<210> 324
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<212> PRT
<213> Mus musculus

<400> 324
Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
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<210> 325
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<212> PRT
<213> Influenza virus

<400> 325
Asp Arg Leu Arg Arg
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<400> 326
Pro Lys Gln Lys Lys Arg Lys
1 5

<210> 327
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<212> PRT
<213> Hepatitis delta virus

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Arg Lys Leu Lys Lys Lys Ile Lys Lys Leu
1 5 10

<210> 328
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<212> PRT
<213> Mus musculus

<400> 328
Arg Glu Lys Lys Lys Phe Leu Lys Arg Arg
1 5 10

<210> 329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 329
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ccagctggaa ttgttctact gtttgtacga gatgcaggag gaggacttcg tgcaaagggc	2700
catggactat ttccccaaga ttgagatcaa tctctccacc agaatggacc acatggtttc	2760
ttccttttgc attgagaact gtcacgggt ggagtcactg tccctggggt ttctccataa	2820
catgccaag gaggaagagg aggaggaaaa ggaaggccga caccttgata tggtgcagtg	2880
tgtcctcca agctcctctc atgctgcctg ttctcatggg ttggggcgct gtggcctctc	2940

gcatgagtgc tgcttcgaca tctccttggt cctcagcagc aaccagaagc tggtaggagct	3000
ggacctgagt gacaacgccc tcggtgactt cggaatcaga cttctgtgtg tgggactgaa	3060
gcacctgttg tgcaatctga agaagctctg gttggtcagc tgctgcctca catcagcatg	3120
ttgtcaggat cttgcatcag tattgagcac cagccattcc ctgaccagac tctatgtggg	3180
ggagaatgcc ttgggagact caggagtcgc aattttatgt gaaaaagcca agaatccaca	3240
gtgtaacctg cagaaactgg ggttggtgaa ttctggcctt acgtcagtct gttgttcagc	3300
tttgtcctcg gtactcagca ctaatcagaa tctcacgcac ctttacctgc gaggcaacac	3360
tctcggagac aaggggatca aactactctg tgagggactc ttgcaccccg actgcaagct	3420
tcagggtgtg gaattagaca actgcaacct cacgtcacac tgctgctggg atctttccac	3480
acttctgacc tccagccaga gcctgcgaaa gctgagcctg ggcaacaatg acctgggcga	3540
cctgggggtc atgatgttct gtgaagtgtc gaaacagcag agctgcctcc tgcagaacct	3600
ggggttgtct gaaatgtatt tcaattatga gacaaaaagt gcgttagaaa cacttcaaga	3660
agaaaagcct gagctgaccg tcgtctttga gccttcttgg taggagtgga aacggggctg	3720
ccagacgcca gtgttctccg gtccctccag ctggggggccc tcaggtaggag agagctgcga	3780
tccatccagg ccaagaccac agctctgtga tccttccggt ggagtgtcgg agaagagagc	3840
ttgccgacga tgccttcctg tgcagagctt gggcatctcc tttacgccag ggtgaggaag	3900
acaccaggac aatgacagca tcgggtgttg ttgtcatcac agcgcctcag ttagaggatg	3960
ttcctcttgg tgacctcatg taattagctc attcaataaa gcactttctt tatttt	4016

<210> 535

<400> 535
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<210> 536

<400> 536
000

<210> 537

<400> 537
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<210> 538
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 538
 Asn Glu Ala Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn
 1 5 10

<210> 539
 <211> 1036
 <212> PRT
 <213> Homo sapiens

<400> 539
 Met Lys Met Ala Ser Thr Arg Cys Lys Leu Ala Arg Tyr Leu Glu Asp
 1 5 10 15

Leu Glu Asp Val Asp Leu Lys Lys Phe Lys Met His Leu Glu Asp Tyr
 20 25 30

Pro Pro Gln Lys Gly Cys Ile Pro Leu Pro Arg Gly Gln Thr Glu Lys
 35 40 45

Ala Asp His Val Asp Leu Ala Thr Leu Met Ile Asp Phe Asn Gly Glu
 50 55 60

Glu Lys Ala Trp Ala Met Ala Val Trp Ile Phe Ala Ala Ile Asn Arg
 65 70 75 80

Arg Asp Leu Tyr Glu Lys Ala Lys Arg Asp Glu Pro Lys Trp Gly Ser
 85 90 95

Asp Asn Ala Arg Val Ser Asn Pro Thr Val Ile Cys Gln Glu Asp Ser
 100 105 110

Ile Glu Glu Glu Trp Met Gly Leu Leu Glu Tyr Leu Ser Arg Ile Ser
 115 120 125

Ile Cys Lys Met Lys Lys Asp Tyr Arg Lys Lys Tyr Arg Lys Tyr Val

130		135		140
Arg 145	Ser	Arg	Phe	Gln
				Cys 150
				Ile
				Glu
				Asp
				Arg
				Asn 155
				Ala
				Arg
				Leu
				Gly
				Glu 160
Ser	Val	Ser	Leu	Asn
				Lys 165
				Arg
				Tyr
				Thr
				Arg 170
				Leu
				Arg
				Leu
				Ile
				Lys 175
				Glu
His	Arg	Ser	Gln	Gln
				Glu 180
				Arg
				Glu
				Gln
				Glu 185
				Leu
				Leu
				Ala
				Ile
				Gly 190
				Lys
Thr	Lys	Thr	Cys	Glu
				Ser 195
				Pro
				Val
				Ser 200
				Pro
				Ile
				Lys
				Met 205
				Glu
				Leu
				Leu
Phe	Asp	Pro	Asp	Asp
				Glu 210
				His
				Ser 215
				Glu
				Pro
				Val 220
				His
				Thr
				Val
				Val
				Phe
Gln	Gly	Ala	Ala	Gly
				Ile 225
				Gly
				Lys 230
				Thr
				Ile
				Leu 235
				Ala
				Arg
				Lys
				Met
				Met 240
Leu	Asp	Trp	Ala	Ser
				Gly 245
				Thr
				Leu
				Tyr
				Gln 250
				Asp
				Arg
				Phe
				Asp
				Tyr 255
				Leu
Phe	Tyr	Ile	His	Cys
				Arg 260
				Glu
				Val
				Ser 265
				Leu
				Val
				Thr
				Gln
				Arg 270
				Ser
				Leu
Gly	Asp	Leu	Ile	Met
				Ser 275
				Cys
				Cys 280
				Pro
				Asp
				Pro
				Asn 285
				Pro
				Pro
				Ile
				His
Lys	Ile	Val	Arg	Lys
				Pro 290
				Ser
				Arg 295
				Ile
				Leu
				Phe
				Leu 300
				Met
				Asp
				Gly
				Phe
Asp	Glu	Leu	Gln	Gly
				Ala 305
				Phe
				Asp
				Glu
				His 310
				Ile
				Gly 315
				Pro
				Leu
				Cys
				Thr 320
Asp	Trp	Gln	Lys	Ala
				Glu 325
				Arg
				Gly
				Asp 330
				Ile
				Leu
				Leu
				Ser
				Ser
				Leu 335
				Ile
Arg	Lys	Lys	Leu	Leu
				Pro 340
				Glu
				Ala
				Ser 345
				Leu
				Leu
				Ile
				Thr 350
				Arg
				Pro

Val Ala Leu Glu Lys Leu Gln His Leu Leu Asp His Pro Arg His Val
355 360 365

Glu Ile Leu Gly Phe Ser Glu Ala Lys Arg Lys Glu Tyr Phe Phe Lys
370 375 380

Tyr Phe Ser Asp Glu Ala Gln Ala Arg Ala Ala Phe Ser Leu Ile Gln
385 390 395 400

Glu Asn Glu Val Leu Phe Thr Met Cys Phe Ile Pro Leu Val Cys Trp
405 410 415

Ile Val Cys Thr Gly Leu Lys Gln Gln Met Glu Ser Gly Lys Ser Leu
420 425 430

Ala Gln Thr Ser Lys Thr Thr Thr Ala Val Tyr Val Phe Phe Leu Ser
435 440 445

Ser Leu Leu Gln Pro Arg Gly Gly Ser Gln Glu His Gly Leu Cys Ala
450 455 460

His Leu Trp Gly Leu Cys Ser Leu Ala Ala Asp Gly Ile Trp Asn Gln
465 470 475 480

Lys Ile Leu Phe Glu Glu Ser Asp Leu Arg Asn His Gly Leu Gln Lys
485 490 495

Ala Asp Val Ser Ala Phe Leu Arg Met Asn Leu Phe Gln Lys Glu Val
500 505 510

Asp Cys Glu Lys Phe Tyr Ser Phe Ile His Met Thr Phe Gln Glu Phe
515 520 525

Phe Ala Ala Met Tyr Tyr Leu Leu Glu Glu Glu Lys Glu Gly Arg Thr
530 535 540

Asn Val Pro Gly Ser Arg Leu Lys Leu Pro Ser Arg Asp Val Thr Val
545 550 555 560

Leu Leu Glu Asn Tyr Gly Lys Phe Glu Lys Gly Tyr Leu Ile Phe Val

575

Gly Cys Asn Ile Arg Arg Leu Trp Leu Gly Arg Cys Gly Leu Ser His
770 775 780

Glu Cys Cys Phe Asp Ile Ser Leu Val Leu Ser Ser Asn Gln Lys Leu
785 790 795 800

Val Glu Leu Asp Leu Ser Asp Asn Ala Leu Gly Asp Phe Gly Ile Arg
805 810 815

Leu Leu Cys Val Gly Leu Lys His Leu Leu Cys Asn Leu Lys Lys Leu
820 825 830

Trp Leu Val Ser Cys Cys Leu Thr Ser Ala Cys Cys Gln Asp Leu Ala
835 840 845

Ser Val Leu Ser Thr Ser His Ser Leu Thr Arg Leu Tyr Val Gly Glu
850 855 860

Asn Ala Leu Gly Asp Ser Gly Val Ala Ile Leu Cys Glu Lys Ala Lys
865 870 875 880

Asn Pro Gln Cys Asn Leu Gln Lys Leu Gly Leu Val Asn Ser Gly Leu
885 890 895

Thr Ser Val Cys Cys Ser Ala Leu Ser Ser Val Leu Ser Thr Asn Gln
900 905 910

Asn Leu Thr His Leu Tyr Leu Arg Gly Asn Thr Leu Gly Asp Lys Gly
915 920 925

Ile Lys Leu Leu Cys Glu Gly Leu Leu His Pro Asp Cys Lys Leu Gln
930 935 940

Val Leu Glu Leu Asp Asn Cys Asn Leu Thr Ser His Cys Cys Trp Asp
945 950 955 960

Leu Ser Thr Leu Leu Thr Ser Ser Gln Ser Leu Arg Lys Leu Ser Leu
965 970 975

Gly Asn Asn Asp Leu Gly Asp Leu Gly Val Met Met Phe Cys Glu Val
980 985 990

Leu Lys Gln Gln Ser Cys Leu Leu Gln Asn Leu Gly Leu Ser Glu Met

995

1000

1005

Tyr Phe Asn Tyr Glu Thr Lys Ser Ala Leu Glu Thr Leu Gln Glu
 1010 1015 1020

Glu Lys Pro Glu Leu Thr Val Val Phe Glu Pro Ser Trp
 1025 1030 1035

<210> 540

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<223> Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide

<400> 540

gugcaugaa gacaggaaut t

21

<210> 541

<211> 21

<212> DNA

<213> Homo sapiens

<400> 541

ggctgtaaca ttcggagatt g

21

<210> 542

<211> 21

<212> DNA

<213> Homo sapiens

<400> 542

tcatcattcc cgctatcttt c

21

<210> 543

<211> 21

<212> DNA

<213> Homo sapiens

<400> 543

ccgtaagaag tacagaaagt a

21

<210> 544	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 544	
gagactcagg agtcgcaatt t	21
<210> 545	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 545	
cctcatgtaa ttagctcatt c	21
<210> 546	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 546	
gtggatctag ccacgctaatt g	21
<210> 547	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 547	
ccacagtgtgta acctgcagaa a	21
<210> 548	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 548	
ccagccagag tctaactgaa t	21
<210> 549	
<211> 21	
<212> DNA	
<213> Homo sapiens	
<400> 549	
gcgttagaaa cacttcaaga a	21

<210> 550
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 550
 gctggaattg ttctactgtt t 21

<210> 551
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 551
 ccacatgact ttccaggagt t 21

<210> 552
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 552
 ggctgtaaca ttcggagatt g 21

<210> 553
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 553
 ccggggctgt aacattcgga gattgctcga gcaatctccg aatgttacag cctttttg 58

<210> 554
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 554
 aattcaaaaa ggctgtaaca ttcggagatt gctcgagcaa tctccgaatg ttacagcc 58

<210> 555
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 555
 tcatcattcc cgctatcttt c 21

 <210> 556
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 556
 ccggtcatca ttcccgtat ctttcctcga ggaaagatag cgggaatgat gatttttg 58

 <210> 557
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 557
 aattcaaaaa tcatcattcc cgctatcttt cctcgaggaa agatagcggg aatgatga 58

 <210> 558
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 558
 ccgtaagaag tacagaaagt a 21

 <210> 559
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 559

ccggccgtaa gaagtacaga aagtactcga gtactttctg tacttcttac ggtttttg 58

<210> 560
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 560
 aattcaaaaa ccgtaagaag tacagaaagt actcgagtac tttctgtact tcttacgg 58

<210> 561
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 561
 gagactcagg agtcgcaatt t 21

<210> 562
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 562
 ccgggagact caggagtcgc aatttctcga gaaattgcga ctcttgagtc tctttttg 58

<210> 563
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 563
 aattcaaaaa gagactcagg agtcgcaatt tctcgagaaa ttgcgactcc tgagtctc 58

<210> 564
 <211> 21
 <212> DNA

<213> Homo sapiens

<400> 564
cctcatgtaa ttagctcatt c 21

<210> 565
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 565
ccggcctcat gtaattagct cattcctcga ggaatgagct aattacatga ggtttttg 58

<210> 566
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 566
aattcaaaaa cctcatgtaa ttagctcatt cctcgaggaa tgagctaatt acatgagg 58

<210> 567
<211> 21
<212> DNA
<213> Homo sapiens

<400> 567
gtggatctag ccacgctaatt g 21

<210> 568
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 568
ccgggtggat ctagccacgc taatgctcga gcattagcgt ggctagatcc actttttg 58

<210> 569
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 569
 aattcaaaaa gtggatctag ccacgctaata gctcgagcat tagcgtggct agatccac 58

 <210> 570
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 570
 ccacagtgtta acctgcagaa a 21

 <210> 571
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 571
 aattcaaaaa ccacagtgtta acctgcagaa actcgagttt ctgcagggtta cactgtgg 58

 <210> 572
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 572
 ccagccagag tctaactgaa t 21

 <210> 573
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 573

ccggccagcc agagtctaac tgaatctcga gattcagtta gactctggct ggTTTTTg 58

<210> 574
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 574
 aattcaaaaa ccagccagag tctaactgaa tctcgagatt cagtttagact ctggctgg 58

<210> 575
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 575
 gcgtagaaa cacttcaaga a 21

<210> 576
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 576
 ccgggcgtta gaaacacttc aagaactcga gttcttgaag tgtttctaac gctTTTTg 58

<210> 577
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 577
 aattcaaaaa gcgtagaaa cacttcaaga actcgagttc ttgaagtgtt tctaacgc 58

<210> 578
 <211> 21
 <212> DNA

<213> Homo sapiens

<400> 578
gctggaattg ttctactggt t 21

<210> 579
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 579
ccgggctgga attgttctac tgtttctcga gaaacagtag aacaattcca gctttttg 58

<210> 580
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 580
aattcaaaaa gctggaattg ttctactggt tctcgagaaa cagtagaaca attccagc 58

<210> 581
<211> 21
<212> DNA
<213> Homo sapiens

<400> 581
ccacatgact ttccaggagt t 21

<210> 582
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 582
ccggccacat gactttccag gagttctcga gaactcctgg aaagtcatgt ggtttttg 58

<210> 583
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 583
 aattcaaaaa ccacatgact ttccaggagt tctcgagaac tcctggaaag tcatgtgg 58

 <210> 584
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 584
 gaaagccaaa gctaagaagt a 21

 <210> 585
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 585
 ccgggaaagc caaagctaag aagtactcga gtacttctta gctttggctt tctttttg 58

 <210> 586
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 586
 aattcaaaaa gaaagccaaa gctaagaagt actcgagtac ttcttagctt tggctttc 58

 <210> 587
 <211> 23
 <212> RNA
 <213> Homo sapiens

 <400> 587

ucuuugguua ucuagcugua uga	23
<210> 588	
<211> 23	
<212> RNA	
<213> Homo sapiens	
<400> 588	
ucuuugguua ucuagcugua uga	23
<210> 589	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 589	
tggggtattt gacaaactga ca	22
<210> 590	
<211> 63	
<212> RNA	
<213> Caenorhabditis brenneri	
<400> 590	
ucgcccucc cguuguucca auauuccaac aacaagugau uauugagcaa ugcgcaugug	60
cgg	63
<210> 591	
<211> 97	
<212> RNA	
<213> Caenorhabditis briggsae	
<400> 591	
aagcauuuuu cugucccgcg caucccuug uuccaauauu caaaccagua gaaagauuau	60
ugagcaaugc gcaugugcgg gacagauuga auagcug	97
<210> 592	
<211> 98	
<212> RNA	
<213> Caenorhabditis elegans	
<400> 592	
auauagcauc uuucugucuc gcccaucccg uugcuccaau auucuaacaa caagugauua	60

uugagcaaug cgcaugugcg ggauagacug auggcugc 98

<210> 593
 <211> 101
 <212> RNA
 <213> Caenorhabditis remanei

<400> 593
 ugaagcgucu cucugucccg cucauccugu uguuccaaua uuccaacagc ccagugauua 60

uugagcaaug cgcaugugcg ggacagauug uaugcugcca u 101

<210> 594
 <211> 22
 <212> RNA
 <213> Homo sapiens

<400> 594
 aguucuucag uggcaagcuu ua 22

<210> 595
 <211> 85
 <212> RNA
 <213> Homo sapiens

<400> 595
 ggcuagagccg caguaguucu ucaguggcaa gcuuuauguc cugacccagc uaaagcugcc 60

aguugaagaa cuguugcccu cugcc 85

<210> 596
 <211> 21
 <212> RNA
 <213> Mus musculus

<400> 596
 gugcauugua guugcauugc a 21

<210> 597
 <211> 69
 <212> RNA
 <213> Mus musculus

<400> 597
 cuguggugca uuguaguugc auugcauguu cuggcaauac cugugcaaug uuuccacagu 60

gcaucacgg 69

<210> 598

<211> 343

<212> PRT

<213> Homo sapiens

<400> 598

Met Glu Ser Lys Tyr Lys Glu Ile Leu Leu Leu Thr Gly Leu Asp Asn
1 5 10 15

Ile Thr Asp Glu Glu Leu Asp Arg Phe Lys Phe Phe Leu Ser Asp Glu
20 25 30

Phe Asn Ile Ala Thr Gly Lys Leu His Thr Ala Asn Arg Ile Gln Val
35 40 45

Ala Thr Leu Met Ile Gln Asn Ala Gly Ala Val Ser Ala Val Met Lys
50 55 60

Thr Ile Arg Ile Phe Gln Lys Leu Asn Tyr Met Leu Leu Ala Lys Arg
65 70 75 80

Leu Gln Glu Glu Lys Glu Lys Val Asp Lys Gln Tyr Lys Ser Val Thr
85 90 95

Lys Pro Lys Pro Leu Ser Gln Ala Glu Met Ser Pro Ala Ala Ser Ala
100 105 110

Ala Ile Arg Asn Asp Val Ala Lys Gln Arg Ala Ala Pro Lys Val Ser
115 120 125

Pro His Val Lys Pro Glu Gln Lys Gln Met Val Ala Gln Gln Glu Ser
130 135 140

Ile Arg Glu Gly Phe Gln Lys Arg Cys Leu Pro Val Met Val Leu Lys
145 150 155 160

Ala Lys Lys Pro Phe Thr Phe Glu Thr Gln Glu Gly Lys Gln Glu Met
165 170 175

Phe His Ala Thr Val Ala Thr Glu Lys Glu Phe Phe Phe Val Lys Val
180 185 190

Phe Asn Thr Leu Leu Lys Asp Lys Phe Ile Pro Lys Arg Ile Ile Ile
 195 200 205

Ile Ala Arg Tyr Tyr Arg His Ser Gly Phe Leu Glu Val Asn Ser Ala
 210 215 220

Ser Arg Val Leu Asp Ala Glu Ser Asp Gln Lys Val Asn Val Pro Leu
 225 230 235 240

Asn Ile Ile Arg Lys Ala Gly Glu Thr Pro Lys Ile Asn Thr Leu Gln
 245 250 255

Thr Gln Pro Leu Gly Thr Ile Val Asn Gly Leu Phe Val Val Gln Lys
 260 265 270

Val Thr Glu Lys Lys Lys Asn Ile Leu Phe Asp Leu Ser Asp Asn Thr
 275 280 285

Gly Lys Met Glu Val Leu Gly Val Arg Asn Glu Asp Thr Met Lys Cys
 290 295 300

Lys Glu Gly Asp Lys Val Arg Leu Thr Phe Phe Thr Leu Ser Lys Asn
 305 310 315 320

Gly Glu Lys Leu Gln Leu Thr Ser Gly Val His Ser Thr Ile Lys Val
 325 330 335

Ile Lys Ala Lys Lys Lys Thr
 340

<210> 599

<400> 599
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<210> 600
 <211> 1558
 <212> DNA
 <213> Homo sapiens

<400> 600
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60

ccagttgtca ctcctaccca cactgggcct gggggtgaag ggaagtgttt attaggggta	120
catgtgaagc cgtccagaag tgtcagagtc tttgtagctt tgaaagtcac ctaggttatt	180
tgggcatgct ctcctgagtc ctctgctagt taagctctct gaaaagaagg tggcagaccc	240
ggtttgctga tcgccccagg gatcaggagg ctgatcccaa agttgtcaga tggagagtaa	300
atacaaggag atactcttgc taacaggcct ggataacatc actgatgagg aactggatag	360
gtttaagttc tttctttcag acgagtttaa tattgccaca ggcaaactac atactgcaaa	420
cagaatacaa gtagctacct tgatgattca aaatgctggg gcggtgtctg cagtgatgaa	480
gaccattcgt atttttcaga agttgaatta tatgcttttg gcaaacgtc ttcaggagga	540
gaaggagaaa gttgataagc aatacaaadc ggtaacaaaa ccaaagccac taagtcaagc	600
tgaaatgagt cctgctgcat ctgcagccat cagaaatgat gtcgcaaagc aacgtgctgc	660
acaaaaagtc tctcctcatg ttaagcctga acagaaacag atggtggccc agcaggaatc	720
tatcagagaa gggtttcaga agcgtgtttt gccagttatg gtactgaaag caaagaagcc	780
cttcacgttt gagaccaag aaggcaagca ggagatgttt catgctacag tggctacaga	840
aaaggaattc ttctttgtaa aagtttttaa tacactgctg aaagataaat tcattccaaa	900
gagaataatt ataatagcaa gatattatcg gcacagtggg ttcttagagg taaatagcgc	960
ctcacgtgtg ttagatgctg aatctgacca aaagggttaat gtcccgtga acattatcag	1020
aaaagctggg gaaacccga agatcaacac gcttcaaact cagccccttg gaacaattgt	1080
gaatggtttg tttgtagtcc agaaggtaac agaaaagaag aaaaacatat tatttgacct	1140
aagtgacaac actgggaaaa tggaagtact gggggttaga aacgaggaca caatgaaatg	1200
taaggaagga gataaggttc gacttacatt cttcacactg tcaaaaaatg gagaaaaact	1260
acagctgaca tctggagtgc atagcaccat aaagggttatt aaggccaaaa aaaaaacata	1320
gagaagtaaa aaggaccaat tcaagccaac tggtctaagc agcatttaat tgaagaatat	1380
gtgatacagc ctcttcaatc agattgtaag ttacctgaaa gctgcagttc acaggctcct	1440
ctctccacca aattaggata gaataattgc tggataaaca aattcagaat atcaacagat	1500
gatcacaata aacatctgtt tctcattcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa	1558

<210> 601

<211> 21

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 601
 cccgaagatc aacacgcttc a 21

 <210> 602
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 602
 ttagggtag ggtagggtt aggg 24

 <210> 603
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 603
 ttcaaattca aattcaaatt caaa 24

 <210> 604
 <211> 6
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 604
 ttaggg 6

 <210> 605
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 605
agccactaag tcaagctgaa a 21

<210> 606
<211> 21
<212> DNA
<213> Homo sapiens

<400> 606
ccaactggtc taagcagcat t 21

<210> 607
<211> 21
<212> DNA
<213> Homo sapiens

<400> 607
gaaacgagga cacaatgaaa t 21

<210> 608
<211> 21
<212> DNA
<213> Homo sapiens

<400> 608
gccactaagt caagctgaaa t 21

<210> 609
<211> 21
<212> DNA
<213> Homo sapiens

<400> 609
ctggagttca tagcaccata a 21

<210> 610
<211> 21
<212> DNA
<213> Homo sapiens

<400> 610
cccgctgaac attatcagaa a 21

<210> 611
<211> 1393
<212> DNA
<213> Homo sapiens

<400> 611

atacttttcag tttcagtcac acaagaaggg aggagagaaa agccatggcc gacaagggtcc	60
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tggatgaatt attacagaca aggggtgctga acaaggaaga gatggagaaa gtaaaacgtg	180
aaaatgctac agttatggat aagacccgag ctttgattga ctccgttatt ccgaaagggg	240
cacaggcatg ccaaatttgc atcacatata tttgtgaaga agacagttac ctggcagggg	300
cgctgggact ctgagcagat caaacatctg gaaattacct taatatgcaa gactctcaag	360
gagtactttc ttcctttcca gtcctcagg cagtgcagga caaccagct atgccacat	420
cctcaggctc agaagggaaat gtcaagcttt gtcctctaga agaagctcaa aggatatgga	480
aacaaaagtc ggcagagatt tatccaataa tggacaagtc aagccgcaca cgtcttgctc	540
tcattatctg caatgaagaa tttgacagta ttcctagaag aactggagct gaggttgaca	600
tcacaggcat gacaatgctg ctacaaaatc tggggtacag cgtagatgtg aaaaaaatc	660
tcactgcttc ggacatgact acagagctgg aggcatttgc acaccgcca gagcacaaga	720
cctctgacag cacgttcctg gtgttcatgt ctcatggtat tcgggaaggc atttgtggga	780
agaaacactc tgagcaagtc ccagatatac tacaactcaa tgcaatcttt aacatgttga	840
ataccaagaa ctgccaagt ttgaaggaca aaccgaaggt gatcatcatc caggcctgcc	900
gtggtgacag ccctggtgtg gtgtggttta aagattcagt aggagtttct ggaaacctat	960
ctttaccaac tacagaagag tttgaggatg atgctattaa gaaagcccac atagagaagg	1020
attttatcgc tttctgctct tccacaccag ataatgtttc ttggagacat cccacaatgg	1080
gctctgtttt tattggaaga ctcatgaac atatgcaaga atatgcctgt tcctgtgatg	1140
tggaggaaat tttccgcaag gttcgatfff catttgagca gccagatggg agagcgcaga	1200
tgcccaccac tgaaagagtg actttgacaa gatgtttcta cctcttcca ggacattaaa	1260
ataaggaaac tgtatgaatg tctgtgggca ggaagtgaag agatccttct gtaaaggttt	1320
ttggaattat gtctgctgaa taataaactt ttttgaaata ataaatctgg tagaaaaatg	1380
aaaaaaaaaa aaa	1393

<210> 612

<211> 404

<212> PRT

<213> Homo sapiens

<400> 612

Met Ala Asp Lys Val Leu Lys Glu Lys Arg Lys Leu Phe Ile Arg Ser
1 5 10 15

Met Gly Glu Gly Thr Ile Asn Gly Leu Leu Asp Glu Leu Leu Gln Thr
20 25 30

Arg Val Leu Asn Lys Glu Glu Met Glu Lys Val Lys Arg Glu Asn Ala
35 40 45

Thr Val Met Asp Lys Thr Arg Ala Leu Ile Asp Ser Val Ile Pro Lys
50 55 60

Gly Ala Gln Ala Cys Gln Ile Cys Ile Thr Tyr Ile Cys Glu Glu Asp
65 70 75 80

Ser Tyr Leu Ala Gly Thr Leu Gly Leu Ser Ala Asp Gln Thr Ser Gly
85 90 95

Asn Tyr Leu Asn Met Gln Asp Ser Gln Gly Val Leu Ser Ser Phe Pro
100 105 110

Ala Pro Gln Ala Val Gln Asp Asn Pro Ala Met Pro Thr Ser Ser Gly
115 120 125

Ser Glu Gly Asn Val Lys Leu Cys Ser Leu Glu Glu Ala Gln Arg Ile
130 135 140

Trp Lys Gln Lys Ser Ala Glu Ile Tyr Pro Ile Met Asp Lys Ser Ser
145 150 155 160

Arg Thr Arg Leu Ala Leu Ile Ile Cys Asn Glu Glu Phe Asp Ser Ile
165 170 175

Pro Arg Arg Thr Gly Ala Glu Val Asp Ile Thr Gly Met Thr Met Leu
180 185 190

Leu Gln Asn Leu Gly Tyr Ser Val Asp Val Lys Lys Asn Leu Thr Ala
195 200 205

Ser Asp Met Thr Thr Glu Leu Glu Ala Phe Ala His Arg Pro Glu His
 210 215 220

Lys Thr Ser Asp Ser Thr Phe Leu Val Phe Met Ser His Gly Ile Arg
 225 230 235 240

Glu Gly Ile Cys Gly Lys Lys His Ser Glu Gln Val Pro Asp Ile Leu
 245 250 255

Gln Leu Asn Ala Ile Phe Asn Met Leu Asn Thr Lys Asn Cys Pro Ser
 260 265 270

Leu Lys Asp Lys Pro Lys Val Ile Ile Ile Gln Ala Cys Arg Gly Asp
 275 280 285

Ser Pro Gly Val Val Trp Phe Lys Asp Ser Val Gly Val Ser Gly Asn
 290 295 300

Leu Ser Leu Pro Thr Thr Glu Glu Phe Glu Asp Asp Ala Ile Lys Lys
 305 310 315 320

Ala His Ile Glu Lys Asp Phe Ile Ala Phe Cys Ser Ser Thr Pro Asp
 325 330 335

Asn Val Ser Trp Arg His Pro Thr Met Gly Ser Val Phe Ile Gly Arg
 340 345 350

Leu Ile Glu His Met Gln Glu Tyr Ala Cys Ser Cys Asp Val Glu Glu
 355 360 365

Ile Phe Arg Lys Val Arg Phe Ser Phe Glu Gln Pro Asp Gly Arg Ala
 370 375 380

Gln Met Pro Thr Thr Glu Arg Val Thr Leu Thr Arg Cys Phe Tyr Leu
 385 390 395 400

Phe Pro Gly His

<210> 613

<211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 613
 cacacgtctt gctctcatta t 21

 <210> 614
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 614
 ctacaactca atgcaatctt t 21

 <210> 615
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 615
 ccagatatac tacaactcaa t 21

 <210> 616
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 616
 gaagagtttg aggatgatgc t 21

 <210> 617
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 617
 ccatgggtga aggtacaata a 21

 <210> 618
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 618
 gcttttgattg actccgttat t 21

 <210> 619

<211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 619
 gaaggtaaa taaatggctt a 21

 <210> 620
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 620
 cacagtctt gctctcatta t 21

 <210> 621
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 621
 ccggcacacg tcttgctctc attatctcga gataatgaga gcaagacgtg tgtttttg 58

 <210> 622
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 622
 aattcaaaaa cacagtctt gctctcatta tctcgagata atgagagcaa gacgtgtg 58

 <210> 623
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 623
 ctacaactca atgcaatctt t 21

 <210> 624
 <211> 58

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 624
 ccggctacaa ctcaatgcaa tctttctcga gaaagattgc attgagttgt agtttttg 58

 <210> 625
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 625
 aattcaaaaa ctacaactca atgcaatctt tctcgagaaa gattgcattg agttgtag 58

 <210> 626
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 626
 ccagatatac tacaactcaa t 21

 <210> 627
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 627
 ccggccagat atactacaac tcaatctcga gattgagttg tagtatatct gggttttg 58

 <210> 628
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 628
aattcaaaaa ccagatatac tacaactcaa tctcgagatt gagttgtagt atatctgg 58

<210> 629
<211> 21
<212> DNA
<213> Homo sapiens

<400> 629
tgtatgaatg tctgctgggc a 21

<210> 630
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 630
ccggtgtatg aatgtctgct gggcactcga gtgcccagca gacattcata catttttg 58

<210> 631
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 631
aattcaaaaa tgtatgaatg tctgctgggc actcgagtgc ccagcagaca ttcataca 58

<210> 632
<211> 21
<212> DNA
<213> Homo sapiens

<400> 632
caaggacctg aaggagaaga a 21

<210> 633
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 633
 ccggcaagga cctgaaggag aagaactcga gttcttctcc ttcaggtcct tgtttttg 58

<210> 634
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 634
 aattcaaaaa caaggacctg aaggagaaga actcgagttc ttctccttca ggtccttg 58

<210> 635
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 635
 caatgtctgt gggaggaaga a 21

<210> 636
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 636
 ccggcaatgt ctgtgggagg aagaactcga gttcttctc ccacagacat tgtttttg 58

<210> 637
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 637
 aattcaaaaa caatgtctgt gggaggaaga actcgagttc ttctcccac agacattg 58

<210> 638
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 638
 caaggtcctg tagggagaag a 21

 <210> 639
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 639
 ccggcaaggt cctgtaggga gaagactcga gtcttctccc tacaggacct tgtttttg 58

 <210> 640
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 640
 aattcaaaaa caaggtcctg tagggagaag actcgagtct tctccctaca ggaccttg 58

 <210> 641
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 641
 caaggtcctg tagggagaag a 21

 <210> 642
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 642
ccggcaaggt cctgtaggga gaagactcga gtcttctccc tacaggacct tgtttttg 58

<210> 643
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 643
aattcaaaaa caaggtcctg tagggagaag actcgagtct tctccctaca ggaccttg 58

<210> 644
<211> 21
<212> DNA
<213> Homo sapiens

<400> 644
acaagcccaa ggtgatcatt a 21

<210> 645
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 645
ccggacaagc ccaaggtgat cattactcga gtaatgatca ccttgggctt gttttttg 58

<210> 646
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 646
aattcaaaaa acaagcccaa ggtgatcatt actcgagtaa tgatcacctt gggcttgt 58

<210> 647

<211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 647
 caaggacttg aaggagaaga a 21

 <210> 648
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 648
 ccggcaagga cttgaaggag aagaactcga gttcttctcc ttcaagtcct tgtttttg 58

 <210> 649
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 649
 aattcaaaaa caaggacttg aaggagaaga actcgagttc ttctccttca agtccttg 58

 <210> 650
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 650
 cccaagtttg aagtacaagt a 21

 <210> 651
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 651
 ccggcccaag tttgaagtac aagtactcga gtacttgtac ttcaaacttg gggttttg 58

<210> 652
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 652
 aattcaaaaa cccaagtttg aagtacaagt actcgagtac ttgtacttca aacttggg 58

 <210> 653
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 653
 cccaggacat gataataaga t 21

 <210> 654
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 654
 ccggcccagg acatgataat aagatctcga gatcttatta tcatgtcctg ggtttttg 58

 <210> 655
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 655
 aattcaaaaa cccaggacat gataataaga tctcgagatc ttattatcat gtcctggg 58

 <210> 656
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 656
gaatttgaca gtttcctgcc a 21

<210> 657
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 657
ccgggaattt gacagtttcc tgccactcga gtggcaggaa actgtcaaat tctttttg 58

<210> 658
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 658
aattcaaaaa gaatttgaca gtttcctgcc actcgagtgg caggaaactg tcaaattc 58

<210> 659
<211> 21
<212> DNA
<213> Homo sapiens

<400> 659
cccaagtttg aggtcaaagt t 21

<210> 660
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 660
ccggccaag tttgaggtca aagttctcga gaactttgac ctcaaacttg ggtttttg 58

<210> 661

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

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 661
 aattcaaaaa cccaagtttg aggtcaaagt tctcgagaac tttgacctca aacttggg 58

 <210> 662
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 662
 cgacaagatg ttctccctca a 21

 <210> 663
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 663
 ccggcgacaa gatgttctcc ctcaactcga gttgaggag aacatcttgt cgtttttg 58

 <210> 664
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 664
 aattcaaaaa cgacaagatg ttctccctca actcgagttg agggagaaca tcttgtcg 58

 <210> 665
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 665
aaaggttaat gtcccgctga a 21

<210> 666
<211> 21
<212> DNA
<213> Homo sapiens

<400> 666
agccactaag tcaagctgaa a 21

<210> 667
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 667
ccggagccac taagtcaagc tgaaactcga gtttcagctt gacttagtgg cttttttg 58

<210> 668
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 668
aattcaaaaa agccactaag tcaagctgaa actcgagttt cagcttgact tagtggct 58

<210> 669
<211> 21
<212> DNA
<213> Homo sapiens

<400> 669
ccaactggtc taagcagcat t 21

<210> 670
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 670
 ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt ggTTTTTg 58

<210> 671
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 671
 aattcaaaaa ccaactggtc taagcagcat tctcgagaat gctgcttaga ccagttgg 58

<210> 672
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 672
 gaaacgagga cacaatgaaa t 21

<210> 673
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 673
 ccgggaaacg aggacacaat gaaatctcga gatttcattg tgcctcggtt tctTTTTg 58

<210> 674
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 674

aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

<210> 675
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 675
 gccactaagt caagctgaaa t 21

<210> 676
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 676
 ccgggccact aagtcaagct gaaatctcga gatttcagct tgacttagtg gctttttg 58

<210> 677
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 677
 aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

<210> 678
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 678
 ctggagttca tagcaccata a 21

<210> 679
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 679
ccggctggag ttcatagcac cataactcga gttatggtgc tatgaactcc agtttttg 58

<210> 680
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 680
aattcaaaaa ctggagttca tagcaccata actcgagtta tggtgctatg aactccag 58

<210> 681
<211> 21
<212> DNA
<213> Homo sapiens

<400> 681
cccgtgaac attatcagaa a 21

<210> 682
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 682
ccggcccgct gaacattatc agaaactcga gtttctgata atgttcagcg ggtttttg 58

<210> 683
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 683
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<210> 684
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 684
 agccactaag tcaagctgaa a 21

 <210> 685
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 685
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 <210> 686
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 686
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 <210> 687
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 687
 ccaactggtc taagcagcat t 21

 <210> 688
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 688

ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt ggTTTTTg 58

<210> 689
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<220>
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 oligonucleotide

<400> 689
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<210> 690
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<400> 690
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<210> 691
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<220>
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 oligonucleotide

<400> 691
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<210> 692
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<220>
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 oligonucleotide

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<210> 693
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<213> Homo sapiens

<400> 693
gccactaagt caagctgaaa t 21

<210> 694
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<220>
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oligonucleotide

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<210> 695
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<220>
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oligonucleotide

<400> 695
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<210> 696
<211> 21
<212> DNA
<213> Homo sapiens

<400> 696
ctggagttca tagcaccata a 21

<210> 697
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 697
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<210> 698
 <211> 58
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 698
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 <210> 699
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 699
 cccgctgaac attatcagaa a 21

 <210> 700
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 700
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 <210> 701
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 701
 aattcaaaaa cccgctgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

 <210> 702
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 702

agccactaag tcaagctgaa a 21

<210> 703
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 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 703
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<210> 704
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 704
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<210> 705
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 705
 ccaactggtc taagcagcat t 21

<210> 706
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 706
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<210> 707
 <211> 58
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 707

aattcaaaaa ccaactggtc taagcagcat tctcgagaat gctgcttaga ccagttgg 58

<210> 708

<211> 21

<212> DNA

<213> Homo sapiens

<400> 708

gaaacgagga cacaatgaaa t 21

<210> 709

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 709

ccgggaaacg aggacacaat gaaatctcga gatttcattg tgcctcgtt tctttttg 58

<210> 710

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 710

aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

<210> 711

<211> 21

<212> DNA

<213> Homo sapiens

<400> 711

gccactaagt caagctgaaa t 21

<210> 712
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 712
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 <210> 713
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 713
 aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

 <210> 714
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 714
 ctggagttca tagcaccata a 21

 <210> 715
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 715
 ccggctggag ttcatagcac cataactcga gttatggtgc tatgaactcc agtttttg 58

 <210> 716
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 716
aattcaaaaa ctggagttca tagcaccata actcgagtta tgggtgctatg aactccag 58

<210> 717
<211> 21
<212> DNA
<213> Homo sapiens

<400> 717
cccgtgaac attatcagaa a 21

<210> 718
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 718
ccggcccgct gaacattatc agaaactcga gtttctgata atgttcagcg gggttttg 58

<210> 719
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 719
aattcaaaaa cccgtgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

<210> 720
<211> 21
<212> DNA
<213> Homo sapiens

<400> 720
agccactaag tcaagctgaa a 21

<210> 721
<211> 58
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 721

ccggagccac taagtcaagc tgaaactcga gtttcagctt gacttagtgg cttttttg 58

<210> 722

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 722

aattcaaaaa agccactaag tcaagctgaa actcgagttt cagcttgact tagtggct 58

<210> 723

<211> 21

<212> DNA

<213> Homo sapiens

<400> 723

ccaactgggtc taagcagcat t 21

<210> 724

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 724

ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt gggtttttg 58

<210> 725

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 725
aattcaaaaa ccaactggtc taagcagcat tctcgagaat gctgcttaga ccagttgg 58

<210> 726
<211> 21
<212> DNA
<213> Homo sapiens

<400> 726
gaaacgagga cacaatgaaa t 21

<210> 727
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 727
ccgggaaacg aggacacaat gaaatctcga gatttcattg tgcctcgtt tctttttg 58

<210> 728
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 728
aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

<210> 729
<211> 21
<212> DNA
<213> Homo sapiens

<400> 729
gccactaagt caagctgaaa t 21

<210> 730
<211> 58
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 730
ccgggccact aagtcaagct gaaatctcga gatttcagct tgacttagtg gctttttg 58

<210> 731
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 731
aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

<210> 732
<211> 21
<212> DNA
<213> Homo sapiens

<400> 732
ctggagttca tagcaccata a 21

<210> 733
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 733
ccggctggag ttcatagcac cataactcga gttatggtgc tatgaactcc agtttttg 58

<210> 734
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 734
aattcaaaaa ctggagttca tagcaccata actcgagtta tggtgctatg aactccag 58

<210> 735
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 735
 cccgctgaac attatcagaa a 21

 <210> 736
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 736
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 <210> 737
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 737
 aattcaaaaa cccgctgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

 <210> 738
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 738
 agccactaag tcaagctgaa a 21

 <210> 739
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 739
ccggagccac taagtcaagc tgaaactcga gtttcagctt gacttagtgg cttttttg 58

<210> 740
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 740
aattcaaaaa agccactaag tcaagctgaa actcgagttt cagcttgact tagtggct 58

<210> 741
<211> 21
<212> DNA
<213> Homo sapiens

<400> 741
ccaactggtc taagcagcat t 21

<210> 742
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 742
ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt ggtttttg 58

<210> 743
<211> 21
<212> DNA
<213> Homo sapiens

<400> 743
gaaacgagga cacaatgaaa t 21

<210> 744
<211> 58
<212> DNA
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<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 744
ccgggaaacg aggacacaat gaaatctcga gatttcattg tgcctcgtt tctttttg 58

<210> 745
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 745
aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

<210> 746
<211> 21
<212> DNA
<213> Homo sapiens

<400> 746
gccactaagt caagctgaaa t 21

<210> 747
<211> 58
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 747
ccgggccact aagtcaagct gaaatctcga gatttcagct tgacttagtg gctttttg 58

<210> 748
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 748
aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

<210> 749
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 749
 ctggagttca tagcaccata a 21

 <210> 750
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 750
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 <210> 751
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 751
 aattcaaaaa ctggagttca tagcaccata actcgagtta tggctgctatg aactccag 58

 <210> 752
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 752
 cccgctgaac attatcagaa a 21

 <210> 753
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
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 oligonucleotide

<400> 753
ccggcccgct gaacattatc agaaactcga gtttctgata atgttcagcg ggtttttg 58

<210> 754
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 754
aattcaaaaa cccgctgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

<210> 755
<211> 21
<212> DNA
<213> Homo sapiens

<400> 755
gattgtttca acacaagagt a 21

<210> 756
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 756
ccgggattgt ttcaacacaa gagtactcga gtactcttgt gttgaaacaa tctttttg 58

<210> 757
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 757
aattcaaaaa gattgtttca acacaagagt actcgagtac tcttgtgttg aaacaatc 58

<210> 758
<211> 21

<212> DNA
 <213> Homo sapiens

 <400> 758
 agccactaag tcaagctgaa a 21

 <210> 759
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 759
 ccggagccac taagtcaagc tgaaactcga gtttcagctt gacttagtgg cttttttg 58

 <210> 760
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 760
 aattcaaaaa agccactaag tcaagctgaa actcgagttt cagcttgact tagtggct 58

 <210> 761
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 761
 ccaactggtc taagcagcat t 21

 <210> 762
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 762
 ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt ggtttttg 58

<210> 763
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
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 oligonucleotide

 <400> 763
 aattcaaaaa ccaactggtc taagcagcat tctcgagaat gctgcttaga ccagttgg 58

 <210> 764
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 764
 gaaacgagga cacaatgaaa t 21

 <210> 765
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 765
 ccgggaaacg aggacacaat gaaatctcga gatttcattg tgtcctcggtt tctttttg 58

 <210> 766
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 766
 aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

 <210> 767
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 767
gccactaagt caagctgaaa t 21

<210> 768
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 768
ccggggccact aagtcaagct gaaatctcga gatttcagct tgacttagtg gctttttg 58

<210> 769
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 769
aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

<210> 770

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<210> 780

<211> 21

<212> DNA

<213> Homo sapiens

<400> 780

ctggagttca tagcaccata a

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<210> 781

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 781
ccggctggag ttcatagcac cataactcga gttatggtgc tatgaactcc agtttttg 58

<210> 782
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 782
aattcaaaaa ctggagttca tagcaccata actcgagtta tggtgctatg aactccag 58

<210> 783
<211> 21
<212> DNA
<213> Homo sapiens

<400> 783
cccgtgaac attatcagaa a 21

<210> 784
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 784
ccggcccgct gaacattatc agaaactcga gtttctgata atgttcagcg ggtttttg 58

<210> 785
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 785
aattcaaaaa cccgtgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

<210> 786
<211> 21

<212> DNA
 <213> Homo sapiens

 <400> 786
 agccactaag tcaagctgaa a 21

 <210> 787
 <211> 58
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 787
 ccggagccac taagtcaagc tgaaactcga gtttcagctt gacttagtgg cttttttg 58

 <210> 788
 <211> 58
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 788
 aattcaaaaa agccactaag tcaagctgaa actcgagttt cagcttgact tagtggct 58

 <210> 789
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <400> 789
 ccaactggtc taagcagcat t 21

 <210> 790
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 790
 ccggccaact ggtctaagca gcattctcga gaatgctgct tagaccagtt ggtttttg 58

<210> 791
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 oligonucleotide

 <400> 791
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 <210> 792
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 <400> 792
 gaaacgagga cacaatgaaa t 21

 <210> 793
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 <220>
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 oligonucleotide

 <400> 793
 ccgggaaacg aggacacaat gaaatctcga gatttcattg tgtcctcggtt tctttttg 58

 <210> 794
 <211> 58
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 794
 aattcaaaaa gaaacgagga cacaatgaaa tctcgagatt tcattgtgtc ctcgtttc 58

 <210> 795
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 795
 gccactaagt caagctgaaa t 21

<210> 796
 <211> 58
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 796
 ccgggccact aagtcaagct gaaatctcga gatttcagct tgacttagtg gctttttg 58

<210> 797
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 797
 aattcaaaaa gccactaagt caagctgaaa tctcgagatt tcagcttgac ttagtggc 58

<210> 798
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<400> 798
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<210> 799
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<220>
 <223> Description of Artificial Sequence: Synthetic
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<210> 800
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<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 800
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 <210> 801
 <211> 21
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 <213> Homo sapiens

 <400> 801
 cccgctgaac attatcagaa a 21

 <210> 802
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 <223> Description of Artificial Sequence: Synthetic
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 <400> 802
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 <210> 803
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 aattcaaaaa cccgctgaac attatcagaa actcgagttt ctgataatgt tcagcggg 58

 <210> 804
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 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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<400> 804
ggttga 6

<210> 805
<211> 4
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 805
agtt 4

<210> 806
<211> 6
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 806
ggttgg 6

<210> 807
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 807
agttgg 6

<210> 808
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oligonucleotide

<400> 808

agttga

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<210> 809

<211> 6

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 809

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<210> 810

<400> 810

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<210> 864
<211> 15
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 864
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<210> 865

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<210> 881

<400> 881
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<210> 882

<211> 131

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 882

Met Ala Ala Pro Arg Gly Arg Pro Lys Lys Asp Leu Thr Met Glu Asp
1 5 10 15

Leu Thr Ala Lys Ile Ser Gln Leu Thr Val Glu Asn Arg Glu Leu Arg
20 25 30

Lys Ala Leu Gly Ser Thr Ala Asp Pro Arg Asp Arg Pro Leu Thr Ala
35 40 45

Thr Glu Lys Glu Ala Gln Leu Thr Ala Thr Val Gly Ala Leu Ser Ala
50 55 60

Ala Ala Ala Lys Lys Ile Glu Ala Arg Val Arg Thr Ile Phe Ser Lys
65 70 75 80

Val Val Thr Gln Lys Gln Val Asp Asp Ala Leu Lys Gly Leu Ser Leu

115	120	125
Ser Pro Ser Pro Ala Leu Pro Pro Thr Gln Ser Pro Glu Ser Ser Gln 130 135 140		
Arg Pro Pro Leu Ser Ser Pro Thr Gly Arg Pro Asp Ser Ser Thr Pro 145 150 155 160		
Met Arg Pro Pro Pro Ser Gln Gln Thr Thr Pro Pro His Ser Pro Thr 165 170 175		
Thr Pro Pro Pro Glu Pro Pro Ser Lys Ser Ser Pro Asp Ser Leu Ala 180 185 190		
Pro Ser Thr Leu Arg Ser Leu Arg Lys Arg Arg Leu Ser Ser Pro Gln 195 200 205		
Gly Pro Ser Thr Leu Asn Pro Ile Cys Gln Ser Pro Pro Val Ser Pro 210 215 220		
Pro Arg Cys Asp Phe Ala Asn Arg Ser Val Tyr Pro Pro Trp Ala Thr 225 230 235 240		
Glu Ser Pro Ile Tyr Val Gly Ser Ser Ser Asp Gly Asp Thr Pro Pro 245 250 255		
Arg Gln Pro Pro Thr Ser Pro Ile Ser Ile Gly Ser Ser Ser Pro Ser 260 265 270		
Glu Gly Ser Trp Gly Asp Asp Thr Ala Met Leu Val Leu Leu Ala Glu 275 280 285		
Ile Ala Glu Glu Ala Ser Lys Asn Glu Lys Glu Cys Ser Glu Asn Asn 290 295 300		
Gln Ala Gly Glu Asp Asn Gly Asp Asn Glu Ile Ser Lys Glu Ser Gln 305 310 315 320		
Val Asp Lys Asp Asp Asn Asp Asn Lys Asp Asp Glu Glu Glu Gln Glu 325 330 335		

Thr Asp Glu Glu Asp Glu Glu Asp Asp Glu Glu Asp Asp Glu Glu Asp
340 345 350

Asp Glu Glu Asp Asp Glu Glu Asp Asp Glu Glu Asp Asp Glu Glu Asp
355 360 365

Asp Glu Glu Glu Asp Glu Glu Glu Asp Glu Glu Glu Asp Glu Glu Glu
370 375 380

Asp Glu Glu Glu Glu Glu Asp Glu Glu Asp Asp Asp Asp Glu Asp Asn
385 390 395 400

Glu Asp Glu Glu Asp Asp Glu Glu Glu Asp Lys Lys Glu Asp Glu Glu
405 410 415

Asp Gly Gly Asp Gly Asn Lys Thr Leu Ser Ile Gln Ser Ser Gln Gln
420 425 430

Gln Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln
435 440 445

Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln
450 455 460

Glu Pro Gln Gln Gln Glu Pro Gln Gln Arg Glu Pro Gln Gln Arg Glu
465 470 475 480

Pro Gln Gln Arg Glu Pro Gln Gln Arg Glu Pro Gln Gln Arg Glu Pro
485 490 495

Gln Gln Arg Glu Pro Gln Gln Arg Glu Pro Gln Gln Arg Glu Pro Gln
500 505 510

Gln Arg Glu Pro Gln Gln Arg Glu Pro Gln Gln Arg Glu Pro Gln Gln
515 520 525

Arg Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln
530 535 540

Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln Glu Pro Gln Gln Gln Glu

545		550		555		560									
Pro	Gln	Gln	Gln	Glu	Pro	Gln	Gln	Gln	Glu	Pro	Gln	Gln	Gln	Glu	Pro
				565					570					575	
Gln	Gln	Gln	Glu	Pro	Gln	Gln	Gln	Glu	Pro	Gln	Gln	Gln	Glu	Pro	Gln
			580					585					590		
Gln	Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln
		595					600					605			
Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln	Gln
	610					615					620				
Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Glu	Gln	Gln	Asp	Glu	Gln	Gln	Gln
625					630					635					640
Asp	Glu	Gln	Gln	Gln	Gln	Asp	Glu	Gln	Glu	Gln	Gln	Glu	Glu	Gln	Glu
				645					650					655	
Gln	Gln	Glu	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Gln
			660					665					670		
Gln	Asp	Glu	Gln	Gln	Gln	Asp	Glu	Gln	Glu	Gln	Gln	Asp	Glu	Gln	Gln
	675						680					685			
Gln	Asp	Glu	Gln	Gln	Gln	Gln	Asp	Glu	Gln	Glu	Gln	Gln	Glu	Glu	Gln
	690					695					700				
Glu	Gln	Gln	Glu	Glu	Gln	Glu	Gln	Gln	Glu	Glu	Gln	Glu	Gln	Gln	Glu
705					710				715						720
Glu	Gln	Glu	Gln	Glu	Leu	Glu	Glu	Gln	Glu	Gln	Glu	Leu	Glu	Glu	Gln
				725					730					735	
Glu	Gln	Glu	Leu	Glu	Glu	Gln	Glu	Gln	Glu	Leu	Glu	Glu	Gln	Glu	Gln
			740				745						750		
Glu	Leu	Glu	Glu	Gln	Glu	Gln	Glu	Leu	Glu	Glu	Gln	Glu	Gln	Glu	Leu
		755					760					765			

Glu Glu Gln Glu Gln Glu Leu Glu Glu Gln Glu Gln Glu Leu Glu Glu
770 775 780

Gln Glu Gln Glu Leu Glu Glu Gln Glu Gln Glu Leu Glu Glu Gln Glu
785 790 795 800

Gln Glu Leu Glu Glu Gln Glu Gln Glu Leu Glu Glu Gln Glu Gln Glu
805 810 815

Leu Glu Glu Gln Glu Gln Glu Gln Glu Leu Glu Glu Val Glu Glu Gln
820 825 830

Glu Gln Glu Gln Glu Glu Gln Glu Leu Glu Glu Val Glu Glu Gln Glu
835 840 845

Gln Glu Gln Glu Glu Gln Glu Glu Gln Glu Leu Glu Glu Val Glu Glu
850 855 860

Gln Glu Glu Gln Glu Leu Glu Glu Val Glu Glu Gln Glu Glu Gln Glu
865 870 875 880

Leu Glu Glu Val Glu Glu Gln Glu Gln Gln Gly Val Glu Gln Gln Glu
885 890 895

Gln Glu Thr Val Glu Glu Pro Ile Ile Leu His Gly Ser Ser Ser Glu
900 905 910

Asp Glu Met Glu Val Asp Tyr Pro Val Val Ser Thr His Glu Gln Ile
915 920 925

Ala Ser Ser Pro Pro Gly Asp Asn Thr Pro Asp Asp Asp Pro Gln Pro
930 935 940

Gly Pro Ser Arg Glu Tyr Arg Tyr Val Leu Arg Thr Ser Pro Pro His
945 950 955 960

Arg Pro Gly Val Arg Met Arg Arg Val Pro Val Thr His Pro Lys Lys
965 970 975

Pro His Pro Arg Tyr Gln Gln Pro Pro Val Pro Tyr Arg Gln Ile Asp

980

985

990

Asp Cys Pro Ala Lys Ala Arg Pro Gln His Ile Phe Tyr Arg Arg Phe
 995 1000 1005

Leu Gly Lys Asp Gly Arg Arg Asp Pro Lys Cys Gln Trp Lys Phe
 1010 1015 1020

Ala Val Ile Phe Trp Gly Asn Asp Pro Tyr Gly Leu Lys Lys Leu
 1025 1030 1035

Ser Gln Ala Phe Gln Phe Gly Gly Val Lys Ala Gly Pro Val Ser
 1040 1045 1050

Cys Leu Pro His Pro Gly Pro Asp Gln Ser Pro Ile Thr Tyr Cys
 1055 1060 1065

Val Tyr Val Tyr Cys Gln Asn Lys Asp Thr Ser Lys Lys Val Gln
 1070 1075 1080

Met Ala Arg Leu Ala Trp Glu Ala Ser His Pro Leu Ala Gly Asn
 1085 1090 1095

Leu Gln Ser Ser Ile Val Lys Phe Lys Lys Pro Leu Pro Leu Thr
 1100 1105 1110

Gln Pro Gly Glu Asn Gln Gly Pro Gly Asp Ser Pro Gln Glu Met
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Thr

<210> 884

<211> 160

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 polypeptide

<400> 884

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			20					25					30		
Cys	Asp	Leu	Gly	Asp	Asp	Leu	His	Leu	Gln	Pro	Arg	Arg	Lys	His	Val
		35					40					45			
Ala	Asp	Ser	Val	Asp	Gly	Arg	Glu	Cys	Gly	Pro	His	Thr	Leu	Pro	Ile
	50					55					60				
Pro	Gly	Ser	Pro	Thr	Val	Phe	Thr	Ser	Gly	Leu	Pro	Ala	Phe	Val	Ser
65					70					75					80
Ser	Pro	Thr	Leu	Pro	Val	Ala	Pro	Ile	Pro	Ser	Pro	Ala	Pro	Ala	Thr
			85						90					95	
Pro	Leu	Pro	Pro	Pro	Ala	Leu	Leu	Pro	Pro	Val	Thr	Thr	Ser	Ser	Ser
			100					105					110		
Pro	Ile	Pro	Pro	Ser	His	Pro	Val	Ser	Pro	Gly	Thr	Thr	Asp	Thr	His
	115						120					125			
Ser	Pro	Ser	Pro	Ala	Leu	Pro	Pro	Thr	Gln	Ser	Pro	Glu	Ser	Ser	Gln
	130					135					140				
Arg	Pro	Pro	Leu	Ser	Ser	Pro	Thr	Gly	Arg	Pro	Asp	Ser	Ser	Thr	Pro
145					150					155					160

<210> 885

<211> 84

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 885

ggccagtgtt gagaggcgga gacttgggca attgctggac gctgccctgg gcattgcact 60

tgtctcggtc tgacagtgcc ggcc 84

<210> 886
 <211> 80
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 886
 ctgggggctc caaagtgctg ttcgtgcagg tagtgtgatt acccaaccta ctgctgagct 60
 agcacttccc gagcccccg 80

 <210> 887
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

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 <222> (4)..(8)
 <223> a, c, t, g, unknown or other

 <220>
 <221> misc_feature
 <222> (4)..(8)
 <223> This region may encompass 3-5 nucleotides

 <220>
 <221> misc_feature
 <222> (9)..(13)
 <223> This region may encompass 3-5 nucleotides

 <400> 887
 cctnnnnngg gggr 15

 <210> 888
 <211> 6
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 888

ttaggg	6
<210> 889 <211> 15 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Synthetic oligonucleotide <400> 889 tcctggcggg gaagt	15
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<210> 891 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Synthetic oligonucleotide <400> 891 gggggggggg gggggggggg	20
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<210> 893
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 <223> Description of Artificial Sequence: Synthetic
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 <400> 893
 ctcctattgg gggtttccta t 21

 <210> 894
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 <400> 894
 tcctggaggg gttgt 15

 <210> 895
 <211> 24
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 <400> 895
 cctggatggg aattcccatc cagg 24

 <210> 896
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 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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 <400> 896
 ttcccatcca ggcctggatg ggaa 24

 <210> 897

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

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 <223> Description of Artificial Sequence: Synthetic
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 <400> 897
 tgcttgcaag cttgcaagca 20

 <210> 898
 <211> 15
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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 <400> 898
 tcctggatgg gaagt 15

 <210> 899
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 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 899
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 <210> 900
 <211> 24
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 900
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 <210> 901
 <211> 24
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 901
cctggatggg aacttaccgc tgca 24

<210> 902
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 902
tgctcctgga ggggttgt 18

<210> 903
<211> 26
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 903
ggtggtggtg gttgtggtgg tggtagg 26

<210> 904
<211> 19
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 904
gaaggcccau auagagaaa 19

<210> 905
<211> 143
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 905
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 gggcaactcc atcactaggg taa 143

<210> 906
 <211> 143
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 906
 ttaccctagt gatggagttg ccactccct ctctgcgcgc gtcgctcgct cggtggggcc 60
 ggagaggag acctctgccg tctgcggacc tttggtccgc agggcccacc gagcgagcga 120
 gcgcgcagag agggagtggg caa 143

<210> 907
 <211> 141
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 907
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 gggcgacctt tggtcgcccg gcctcagtga gcgagcgagc gcgcagagag ggagtggcca 120
 actccatcac taggggttcc t 141

<210> 908
 <211> 141
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 908
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc 120
gagcgcgcag ctgcctgcag g 141

<210> 909
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 909
ttggccactc cctctatgcg cactcgctcg ctcggtgggg cctggcgacc aaaggtcgcc 60
agacggacgt gggtttccac gtccggcccc accgagcgag cgagtgcgca tagagggagt 120
ggccaactcc atcactagag gtat 144

<210> 910
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 910
atacctctag tgatggagtt ggccactccc tctatgcgca ctgctcgct cggtggggcc 60
ggacgtggaa acccacgtcc gtctggcgac ctttggtcgc caggccccac cgagcgagcg 120
agtgcgcata gagggagtgg ccaa 144

<210> 911
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 911
ttggccactc cctctatgcg cgctcgctca ctactcggc cctggagacc aaaggtctcc 60

agactgccgg cctctggccg gcagggccga gtgagtgagc gagcgcgcat agaggggagtg 120
gccaact 127

<210> 912
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 912
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ccagactgcc ggcctctggc cggcagggcc gagtgagtga gcgagcgcg atagagggag 120
tggccaa 127

<210> 913
<211> 166
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

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gtcgtctggc agctctttga gctgccaccc ccccaaacga gccagcgagc gagcgaacgc 120
gacagggggg agagtgccac actctcaagc aaggggggtt tgtaag 166

<210> 914
<211> 166
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 914
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gctggctcgt ttgggggggt ggcagctcaa agagctgcca gacgacggcc ctctggccgt 120

cgccccccca aacgagccag cgagcgagcg aacgcgacag ggggga 166

<210> 915
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 915
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cagacggcag aggtctcctc tgccggcccc accgagcgag cgagcgcgca tagagggagt 120
gggcaactcc atcactaggg gtat 144

<210> 916
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 916
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ggcagaggag acctctgccg tctgcggacc tttggtccgc aggccccacc gagcgagcga 120
gcgcgcatta gagggagtgg gcaa 144

<210> 917
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 917
aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
cgcacgcccg ggtttcccg gcggcctcag tgagcgagcg agcgcgcagc tgcctgcagg 120

<210> 918
<211> 122

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 918
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

 ccgacgcccg ggctttgccc gggcggcctc agtgagcgag cgagcgcgca gctgcctgca 120

 gg 122

 <210> 919
 <211> 129
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 919
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

 ccgggcgacc aaaggtcgcc cgacgcccg ggcctcagt gagcgagcga gcgcgcagct 120

 gcctgcagg 129

 <210> 920
 <211> 101
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 920
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

 ctttgctca gtgagcgagc gagcgcgag ctgcctgcag g 101

 <210> 921
 <211> 139
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 921

aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggcgaca aagtcgcccg acgcccgggc ttgcccggg cggcctcagt gagcgagcga 120

gcgcgagct gcctgcagg 139

<210> 922

<211> 137

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 922

aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggcgaaa atcgcccgc gcccgggctt tgcccgggcg gcctcagtga gcgagcgagc 120

gcgcagctgc ctgcagg 137

<210> 923

<211> 135

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 923

aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggcgaaa cgcccgcgc ccgggctttg cccgggcggc ctactgagc gagcgagcgc 120

gcagctgcct gcagg 135

<210> 924

<211> 133

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 924

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcaaag cccgacgccc gggctttgcc cgggcggcct cagtgagcga gcgagcgcg 120
agctgcctgc agg 133

<210> 925
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 925
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg gtttccggg cggcctcagt gagcgagcga 120
gcgcgagct gcctgcagg 139

<210> 926
<211> 137
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 926
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg tttccgggc gcctcagtga gcgagcgagc 120
gcgcagctgc ctgcagg 137

<210> 927
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 927
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccgt ttcgggcggc ctactgagc gagcgagcgc 120

gcagctgcct gcagg 135

<210> 928
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 928
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccctt tgggcggcct cagtgcgca gcgagcgcg 120
agctgcctgc agg 133

<210> 929
<211> 131
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 929
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccctt ggcggcctca gtgagcgagc gagcgcgag 120
ctgcctgcag g 131

<210> 930
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 930
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgctttg cggcctcagt gagcgagcga gcgcgagct 120
gcctgcagg 129

<210> 931
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 931
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgtttcg gcctcagtga gcgagcgagc gcgcagctgc 120
ctgcagg 127

<210> 932
<211> 122
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 932
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
gg 122

<210> 933
<211> 130
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 933
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg gcggcctcag tgagcgagcg agcgcgagc 120
tgcctgcagg 130

<210> 934
<211> 120

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 934
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtgcg 60
 cctcagttag cgagcgagcg cgcgagaggg gaggggccaa ctccatcact aggggttcct 120

 <210> 935
 <211> 122
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 935
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgt cgggcgacct ttggtcgccc 60
 ggcctcagtg agcgagcgag cgcgagaga gggagtgagg aactccatca ctaggggttc 120
 ct 122

 <210> 936
 <211> 122
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 936
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 ggcctcagtg agcgagcgag cgcgagaga gggagtgagg aactccatca ctaggggttc 120
 ct 122

 <210> 937
 <211> 129
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 937
cctgcaggca gctgcgcgct cgctcgctca ctgaggcgcc cgggcgtcgg gcgacctttg 60
gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120
ggggttcct 129

<210> 938
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 938
cctgcaggca gctgcgcgct cgctcgctca ctgaggcaaa gcctcagtga gcgagcgagc 60
gcgcagagag ggagtggcca actccatcac taggggttcc t 101

<210> 939
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 939
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcgacttt gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac 120
tccatcacta ggggttcct 139

<210> 940
<211> 137
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 940
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60

gggcgatttt cgcccggcct cagtgagcga gcgagcgcgc agagaggag tggccaactc 120
catcactagg ggttcct 137

<210> 941
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 941
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcttttcg cccggcctca gtgagcgagc gagcgcgcag agaggagtg gccaaactcca 120
tcactagggg ttct 135

<210> 942
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 942
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcttttgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120
actaggggtt cct 133

<210> 943
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 943
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtcgg 60
gcgacctttg gtcgcccggc ctcaagtgagc gagcgagcgc gcagagagg agtggccaac 120
tccatcacta ggggttcct 139

<210> 944
<211> 137
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 944
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccggaaccg ggcgtcgggc 60
gacctttggt cgcccgccct cagtgcgcga gcgagcgcgc agagaggag tggccaactc 120
catcactagg gggttcct 137

<210> 945
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 945
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgaaacggg cgtcgggcga 60
cctttggtcg cccggcctca gtgagcgagc gagcgcgcag agaggagtg gccaaactcca 120
tcactagggg ttctt 135

<210> 946
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 946
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccaaaggcg tcgggcgacc 60
tttggtcgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120
actaggggtt cct 133

<210> 947

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

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 947

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc caaaggcgtc gggcgacctt 60

tggtcgcccg gcctcagtga gcgagcgagc gcgcagagag ggagtggcca actccatcac 120

taggggttcc t 131

<210> 948

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 948

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc aaagcgtcgg gcgacctttg 60

gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120

ggggttcct 129

<210> 949

<211> 127

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 949

cctgcaggca gctgcgcgct cgctcgctca ctgaggccga aacgtcgggc gaccttttgt 60

cgcccggcct cagtgagcga gcgagcgcgc agagagggag tggccaactc catcactagg 120

ggttcct 127

<210> 950

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 950

Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
1 5 10 15

Ala His Ser

<210> 951

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 951

Met Leu Pro Ser Gln Leu Ile Gly Phe Leu Leu Leu Trp Val Pro Ala
1 5 10 15

Ser Arg Gly

<210> 952

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 952

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggcgacc aaaggtcgcc cgacgcccg gctttgccc ggcggcctca gtgagcgagc 120

gagcgcgag ctgcctgcag g 141

<210> 953

<211> 141

<212> DNA

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 953
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 gggcgacctt tggtcgcccgc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca 120
 actccatcac taggggttcc t 141

<210> 954
 <211> 130
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 954
 aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacgcccg gcggcctcag tgagcgagcg agcgcgagc 120
 tgcctgcagg 130

<210> 955
 <211> 130
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 955
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcgtcg ggcgaccttt 60
 ggtcgcccgc cctcagttag cgagcgagcg cgagagagg gagtggccaa ctccatcact 120
 aggggttcct 130

<210> 956
 <211> 143
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 956
 ttgcccactc cctctctgcg cgctcgctcg ctcggtgggg cctgcggacc aaaggtccgc 60
 agacggcaga ggtctcctct gccggcccca ccgagcgagc gacgcgca gagagggagt 120
 gggcaactcc atcactaggg taa 143

<210> 957
 <211> 144
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 957
 ttggccactc cctctatgcg cactcgctcg ctcggtgggg cctggcgacc aaaggtcgcc 60
 agacggacgt gggtttccac gtccggcccc accgagcgag cgagtgcgca tagagggagt 120
 ggccaactcc atcactagag gtat 144

<210> 958
 <211> 127
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 958
 ttggccactc cctctatgcg cgctcgctca ctactcggc cctggagacc aaaggtctcc 60
 agactgccgg cctctggccg gcagggccga gtgagtgagc gagcgcgcat agagggagtg 120
 gccaact 127

<210> 959
 <211> 166
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 959
 tccccctgt cgcgttcgct cgctcgctgg ctcgtttggg ggggcgacgg ccagagggcc 60

gtcgtctggc agctctttga gctgccaccc ccccaaacga gccagcgagc gagcgaacgc 120
gacagggggg agagtggcac actctcaagc aaggggggttt tgtaag 166

<210> 960
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 960
ttgccactc cctctaattgc gcgctcgctc gctcggtggg gcctgcggac caaaggtccg 60
cagacggcag aggtctcctc tgccggcccc accgagcgag cgagcgcgca tagagggagt 120
gggcaactcc atcactaggg gtat 144

<210> 961
<211> 143
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 961
ttaccctagt gatggagttg ccactccct ctctgcgcgc gtcgctcgct cggtggggcc 60
ggcagaggag acctctgccg tctgcggacc tttggtccgc aggccccacc gagcgagcga 120
gcgcgcagag agggagtggg caa 143

<210> 962
<211> 144
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 962
atacctctag tgatggagtt ggccactccc tctatgcgca ctgctcgct cggtggggcc 60
ggacgtggaa acccacgtcc gtctggcgac ctttggtcgc caggccccac cgagcgagcg 120

agtgcgcata gagggagtgg ccaa 144

<210> 963

<211> 127

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 963

agtggccac attagctatg cgcgctcgct cactcactcg gccctggaga ccaaaggtct 60

ccagactgcc ggcctctggc cggcagggcc gagtgagtga gcgagcgcgc atagaggag 120

tggccaa 127

<210> 964

<211> 166

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 964

cttacaaaac ccccttgctt gagagtgtgg cactctcccc cctgtcgcgt tcgctcgctc 60

gctggctcgt ttgggggggt ggcagctcaa agagctgcca gacgacggcc ctctggccgt 120

cgcccccca aacgagccag cgagcgagcg aacgcgacag ggggga 166

<210> 965

<211> 144

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 965

atacccttag tgatggagtt gccactccc tctatgcgcg ctcgctcgct cggtggggcc 60

ggcagaggag acctctgccg tctgcggacc tttggtccgc aggccccacc gagcgagcga 120

gcgcgatta gagggagtgg gcaa 144

<210> 966
 <211> 120
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 966
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 cgcacgcccg ggtttcccgg gggcctcag tgagcgagcg agcgcgagc tgcctgcagg 120

 <210> 967
 <211> 122
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 967
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgacgcccg ggctttgccc gggcggcctc agtgagcgag cgagcgcgca gctgcctgca 120
 gg 122

 <210> 968
 <211> 129
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 968
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacgcccgg ggcctcagt gagcgagcga gcgcgcagct 120
 gcctgcagg 129

 <210> 969
 <211> 101
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 969
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
 ctttgctca gtgagcgagc gagcgcgag ctgcctgcag g 101

<210> 970
 <211> 139
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 970
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
 ccgggcgaca aagtgcgccg acgcccgggc tttgccggg cggcctcagt gagcgagcga 120
 gcgcgagct gcctgcagg 139

<210> 971
 <211> 137
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 971
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
 ccgggcgaaa atcgcccgac gcccgggctt tgcccgggcg gcctcagtga gcgagcgagc 120
 gcgcagctgc ctgcagg 137

<210> 972
 <211> 135
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 972

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg	60
ccgggcgaaa cgcccgacgc ccgggctttg cccggggcggc ctcaagtgagc gagcgagcgc	120
gcagctgcct gcagg	135

<210> 973
 <211> 133
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 973	
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg	60
ccgggcaaag cccgacgccc gggctttgcc cgggcggcct cagtgagcga gcgagcgcgc	120
agctgcctgc agg	133

<210> 974
 <211> 139
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 974	
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg	60
ccgggcgacc aaaggtcgcc cgacgcccg gtttcccggg cggcctcagt gagcgagcga	120
gcgcgcagct gcctgcagg	139

<210> 975
 <211> 137
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 975	
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg	60
ccgggcgacc aaaggtcgcc cgacgcccg tttccgggcg gcctcagtga gcgagcgagc	120

gcgcagctgc ctgcagg 137

<210> 976
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 976
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccctt ttcgggcggc ctcaagtgagc gagcgagcgc 120
gcagctgcct gcagg 135

<210> 977
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 977
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccctt tgggcggcct cagtgcgcga ggcgagcgcg 120
agctgcctgc agg 133

<210> 978
<211> 131
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 978
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccttt ggcggcctca gtgagcgagc gagcgcgagc 120
ctgcctgcag g 131

<210> 979
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 979
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgacc aaaggtcgcc cgacgctttg cggcctcagt gagcgagcga gcgcgcagct 120
gcctgcagg 129

<210> 980
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 980
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgacc aaaggtcgcc cgacgtttcg gcctcagtga gcgagcgagc gcgcagctgc 120
ctgcagg 127

<210> 981
<211> 122
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 981
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
gg 122

<210> 982
<211> 130

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 982

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60

ccgggcgacc aaaggtcgcc cgacgcccg gggcctcag tgagcgagcg agcgcgagc 120

tgcttgagg 130

<210> 983

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 983

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc cgggaaacc cgggcgtgcg 60

cctcagttag cgagcgagcg cgagagagg gagggtgcaa ctccatcact aggggttcct 120

<210> 984

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 984

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgt cgggcgacct ttggtcgccc 60

ggcctcagt agcgagcgag cgcgagaga gggagtggcc aactccatca ctaggggttc 120

ct 122

<210> 985

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 985
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
ggcctcagtg agcgagcgag cgcgagaga gggagtggcc aactccatca ctaggggttc 120
ct 122

<210> 986
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 986
cctgcaggca gctgcgcgct cgctcgctca ctgaggcgcc cgggcgtcgg gcgacctttg 60
gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120
ggggttcct 129

<210> 987
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 987
cctgcaggca gctgcgcgct cgctcgctca ctgaggcaaa gcctcagtga gcgagcgagc 60
gcgcagagag ggagtggcca actccatcac taggggttcc t 101

<210> 988
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 988
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60

gggcgacttt gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac 120
tccatcacta ggggttcct 139

<210> 989
<211> 137
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 989
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcgatttt cgcccggcct cagtgcgca gcgagcgcgc agagagggag tggccaactc 120
catcactagg gggttcct 137

<210> 990
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 990
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcgtttcg cccggcctca gtgagcgagc gagcgcgcag agaggagtg gccaaactcca 120
tcactagggg ttcct 135

<210> 991
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 991
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggctttgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120
actaggggtt cct 133

<210> 992
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 992
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtcgg 60
gcgacctttg gtcgcccggc ctcaagtgcg gagcgagcgc gcagagaggg agtggccaac 120
tccatcacta ggggttcct 139

<210> 993
<211> 137
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 993
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccggaaaccg ggcgtcgggc 60
gaccttttgt cgcccggcct cagtgcgcga gcgagcgcgc agagagggag tggccaactc 120
catcactagg gggttcct 137

<210> 994
<211> 135
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 994
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgaaacggg cgtcgggcga 60
ccttttgtcg cccggcctca gtgagcgagc gagcgcgag agagggagtg gccaaactcca 120
tcactagggg ttcct 135

<210> 995

<211> 133
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 995

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccaaagggcg tcgggcgacc 60

tttggtcgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120

actaggggtt cct 133

<210> 996

<211> 131

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 996

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc caaaggcgtc gggcgacctt 60

tggtcgcccg gcctcagtga gcgagcgagc gcgcagagag ggagtggcca actccatcac 120

taggggttcc t 131

<210> 997

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 997

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc aaagcgtcgg gcgacctttg 60

gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120

ggggttcct 129

<210> 998

<211> 127

<212> DNA

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 998
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccga aacgtcgggc gacctttggt 60
 cgccccggcct cagtgagcga gcgagcgcgc agagagggag tggccaactc catcactagg 120
 ggttcct 127

<210> 999
 <211> 122
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 999
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
 gg 122

<210> 1000
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1000
 cgatcgttcg at 12

<210> 1001
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1001
 atcgaaccat cg 12

<210> 1002
 <211> 12
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1002
 atcgaacgat cg 12

 <210> 1003
 <211> 165
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 1003
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgcccgggc aaagcccggg cgtcgggcga cctttggtcg cccggcctca gtgagcgagc 120
 gagcgcgag agagggagtg gccaaactcca tcactagggg ttcct 165

 <210> 1004
 <211> 140
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 1004
 cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgctcac tgaggccgcc 60
 cgggcaaagc ccgggcgtcg ggcgaccttt ggtcgcccgg cctcagtgag cgagcgagcg 120
 cgagagaga tcactagggg 140

 <210> 1005
 <211> 91
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1005

gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgtcggg cgacctttgg 60

tcgcccggcc tcagttagcg agcgagcgcg c 91

<210> 1006

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1006

gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgccc cgggctttgc 60

ccgggcggcc tcagttagcg agcgagcgcg c 91

<210> 1007

<211> 1662

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1007

gccgccacca tggaagacgc caaaaacata aagaaaggcc cggcgccatt ctatccgctg 60

gaagatggaa ccgctggaga gcaactgcat aaggctatga agagatacgc cctggttcct 120

ggaacaattg cttttacaga tgcacatatc gaggtggaca tcacttacgc tgagtacttc 180

gaaatgtccg ttcggttggc agaagctatg aaacgatatg ggctgaatac aaatcacaga 240

atcgtcgtat gcagtgaaaa ctctcttcaa ttctttatgc cgggtgttggg cgcgttattt 300

atcggagttg cagttgcgcc cgcgaacgac atttataatg aacgtgaatt gctcaacagt 360

atgggcattt cgcagcctac cgtggtgttc gtttcacaaa aggggttgca aaaaattttg 420

aacgtgcaaa aaaagctccc aatcatcaa aaaattatta tcatggattc taaaacggat 480

taccagggat ttcagtcgat gtacacgttc gtcacatctc atctacctcc cggttttaat 540

gaatacgatt ttgtgccaga gtccttcgat agggacaaga caattgcact gatcatgaac 600

tcctctggat ctactggtct gcctaaaggt gtcgctctgc ctcatagaac tgcctgcgtg	660
agattctcgc atgccagaga tcctatTTTT ggcaatcaaa tcattccgga tactgcgatt	720
ttaagtgttg ttccattcca tcacggTTTT ggaatgttta ctacactcgg atatttgata	780
tgtggatttc gagtctctt aatgtataga tttgaagaag agctgtttct gaggagcctt	840
caggattaca agattcaaag tgcgctgctg gtgccaaccc tattctcctt cttcgccaaa	900
agcactctga ttgacaaata cgatttatct aatttacacg aaattgcttc tgggtggcgct	960
cccctctcta aggaagtcgg ggaagcggtt gccaaagagt tccatctgcc aggtatcagg	1020
caaggatatg ggctcactga gactacatca gctattctga ttacaccga gggggatgat	1080
aaaccgggcg cggtcggtaa agttgttcca ttttttgaag cgaaggttgt ggatctggat	1140
accgggaaaa cgctgggctg taatcaaaga ggcgaactgt gtgtgagagg tcctatgatt	1200
atgtccggtt atgtaaaca tccggaagcg accaacgcct tgattgaca ggatggatgg	1260
ctacattctg gagacatagc ttactgggac gaagacgaac acttcttcat cgttgaccgc	1320
ctgaagtctc tgattaagta caaaggctat caggtggctc ccgctgaatt ggaatccatc	1380
ttgctccaac accccaacat cttcgacgca ggtgtcgcag gtcttcccga cgatgacgcc	1440
ggtgaacttc ccgccgccgt tgttgTTTT gagcacggaa agacgatgac ggaaaaagag	1500
atcgtggatt acgtcgccag tcaagtaaca accgcgaaaa agttgcgcgg aggagttgtg	1560
tttgtggacg aagtaccgaa aggtcttacc ggaaaactcg acgcaagaaa aatcagagag	1620
atcctcataa aggccaagaa gggcggaag atcgccgtgt aa	1662

<210> 1008

<211> 453

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<220>

<221> MOD_RES

<222> (1)..(1)

<223> Any amino acid

<400> 1008

Xaa Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Val Ile Trp Phe Asp Gly Thr Lys Lys Tyr Tyr Thr Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Thr Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Arg Gly Ile Gly Ala Arg Arg Gly Pro Tyr Tyr Met Asp
 100 105 110
 Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Ala Ser Thr Lys
 115 120 125
 Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
 130 135 140
 Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
 145 150 155 160
 Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
 165 170 175
 Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
 180 185 190
 Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
 195 200 205
 Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
 210 215 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
225 230 235 240

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
245 250 255

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
260 265 270

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
275 280 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
290 295 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305 310 315 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
325 330 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
340 345 350

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
355 360 365

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
370 375 380

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385 390 395 400

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
405 410 415

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
420 425 430

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
435 440 445

Ser Leu Ser Pro Gly
450

<210> 1009

<211> 214

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1009

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Leu
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
 195 200 205

Phe Asn Arg Gly Glu Cys
 210

<210> 1010
 <211> 1310
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1010
 ggagccgaga gtaattcata caaaaggagg gatcgcttc gcaaggggag agcccaggga 60
 ccgtccctaa attctcacag acccaaatcc ctgtagccgc cccacgacag cgcgaggagc 120
 atgcgctcag ggctgagcgc ggggagagca gagcacacaa gtcatagac cctggctcgtg 180
 ggggggagga ccggggagct ggcgcggggc aaactgggaa agcgggtgtcg tgtgctggct 240
 ccgccctctt cccgaggggtg ggggagaacg gtatataagt gcggcagtcg ccttgacgt 300
 tctttttcgc aacggggttg ccgtcagaac gcaggtgagg ggcgggtgtg gcttccgcgg 360
 gccgccgagc tggaggtcct gctccgagcg ggccggggcc cgctgtcgtc ggcggggatt 420
 agctgcgagc attcccgtt cgagttgcgg gcggcgcggg aggcagagtg cgaggcctag 480
 cggcaacccc gtagcctcgc ctctgtgtccg gcttgaggcc tagcgtggtg tccgcgccgc 540
 cgccgctgc tactccggcc gcactctggc cttttttttt tttgttgttg ttgccctgct 600
 gccttcgatt gccgttcagc aataggggct aacaaaggga ggggtgcggg cttgctcgcc 660
 cggagcccgg agaggtcatg gttggggagg aatggaggga caggagtggc ggctggggcc 720

cgccgcctt cggagcacat gtccgacgcc acctggatgg ggcgaggcct ggggtttttc	780
ccgaagcaac caggctgggg ttagcgtgcc gaggccatgt ggccccagca cccggcacga	840
tctggcttgg cggcgccgcg ttgccctgcc tccctaacta gggtagaggcc atcccgtccg	900
gcaccagttg cgtgcgtgga aagatggccg ctcccgggcc ctgttgcaag gagctcaaaa	960
tggaggacgc ggcagcccgg tggagcgggc gggtagtca cccacacaaa ggaagagggc	1020
ctggtccctc accggctgct gcttcctgtg acccgtgggt cctatcggcc gcaatagtca	1080
cctcgggctt ttgagcacgg ctagtcgcgg cggggggagg ggatgtaatg gcgttgaggt	1140
ttgttcacat ttgggtgggtg gagactagtc aggccagcct ggcgctggaa gtcatttttg	1200
gaatttgctc ccttgagttt tgagcggagc taattctcgg gcttcttagc ggttcaaagg	1260
tatcttttaa accctttttt aggtgttggtg aaaaccaccg ctaattcaaa	1310

<210> 1011
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1011	
gcgcgctcgc tcgctc	16

<210> 1012
 <211> 6
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1012	
ggttga	6

<210> 1013
 <211> 4
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 1013
agtt 4

<210> 1014
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1014
ggttgg 6

<210> 1015
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1015
agttgg 6

<210> 1016
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1016
agttga 6

<210> 1017
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1017
rrttrr

6

<210> 1018
<211> 581
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1018
gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat 60
ttaaagtta ataaaacaaa atggtggggc aatcatttac attttaggg atatgtaatt 120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg ttatttacgc 180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattctt 240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct 300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctggtt gctgtctctt 360
ttagaggagt tgtggcccg tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac 420
gcaacccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct 480
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ggggctaggt tgctgggcac tgataattcc gtggtgttgt c 581

<210> 1019
<211> 225
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1019
tgtgccttct agttgccagc catctgttgt ttgccctcc cccgtgcctt ccttgaccct 60
ggaagtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120
gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg 180
ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc 225

<210> 1020
 <211> 8
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1020
 actgaggc 8

<210> 1021
 <211> 8
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1021
 gcctcagt 8

<210> 1022
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1022
 gagcgagcga gcgcgc 16

<210> 1023
 <211> 1923
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 1023
 tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta 60
 ttggccattg catacgttgt atctatatca taatatgtac atttatattg gctcatgtcc 120
 aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg 180

gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgccc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttggca gtacatcaag tgtatcatat gccaagtccg cccctattg acgtcaatga	420
cggtaaattgg cccgcctggc attatgcca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatgggtc gaggtgagcc ccacgttctg	540
cttcactctc cccatctccc cccctcccc accccaatt ttgtatttat ttatTTTTTA	600
attatTTTTgt gcagcgatgg gggcgggggg gggggggggg cgcgcgccag gcggggcggg	660
gcggggcgag gggcggggcg gggcgaggcg gagagggtgc gcggcgagcca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcgggcg cggcgggcct ataaaaagcg	780
aagcgcgcgg cgggcgggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccg	840
ccgcctcgcg ccgcccggc cggctctgac tgaccgcgtt actcccacag gtgagcgggc	900
gggacggccc ttctcctccg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
ggctcggggg gtgcgtgcgt gtgtgtgtgc gtggggagcg ccgcgtgcgg ccgcgctgc	1080
ccggcgggctg tgagcgctgc gggcgcgggc cggggctttg tgcgctccgc agtgtgcgcg	1140
aggggagcgc ggccgggggc ggtgccccgc ggtgcggggg gggctgcgag gggaacaaag	1200
gctgcgtgcg ggggtgtgtc gtgggggggt gagcaggggg tgtgggcgcg gcggtcgggc	1260
tgtaaccccc ccctgcaccc ccctccccga gttgctgagc acggcccggc ttcgggtgcg	1320
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ggggtgccgg gcggggcggg gccgcctcgg gccggggagg gctcggggga ggggcgcggc	1440
ggccccgga gcgccggcg ctgtcgaggc gcggcgagcc gcagccattg ctttttatgg	1500
taatcgtgcg agagggcga gggacttcct ttgtcccaa tctgtgcgga gccgaaatct	1560
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aaggaaaatgg gcggggaggg cttcgtgcg tcgccgcgc gccgtcccct tctccctctc	1680
cagcctcggg gctgtccgc gggggacggc tgccttcggg ggggacgggg cagggcgggg	1740
ttcggcttct ggcgtgtgac cggcggctct agagcctctg ctaaccatgt tttagccttc	1800

ttctttttcc tacagctcct gggcaacgtg ctggttattg tgctgtctca tcatttgtcg	1860
acagaattcc tcgaagatcc gaaggggttc aagcttggca ttccggtact gttggtaaag	1920
cca	1923

<210> 1024
 <211> 1272
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1024	
aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccac tcataggggt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttg tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcattctacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctattttt agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatttttt	720
ctatttttga cagggacggg gtttcacat gttggtcagg ctggtctaga ggtaccggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagaggg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccaccccctc caccttggac acaggacgct	900
gtggtttctg agccaggtac aatgactcct ttcggtaagt gcagtggaag ctgtacactg	960
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactggggtg accttggtta atattcacca gcagcctccc	1080

ccgttgcccc tctggatcca ctgcttaa	acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt	gaatccggac tctaaggtaa atataaaatt	1200
tttaagtgta taatgtgtta aactactgat	tctaattggt tctctctttt agattccaac	1260
ctttggaact ga		1272

<210> 1025

<211> 1177

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1025

ggctcagagg ctcagaggca cacaggagtt	tctgggctca ccctgcccc ttccaacccc	60
tcagttccca tcctccagca gctgtttgtg	tgctgcctct gaagtccaca ctgaacaaac	120
ttcagcctac tcatgtccct aaaatgggca	aacattgcaa gcagcaaaca gcaaacacac	180
agccctccct gcctgctgac cttggagctg	gggcagaggt cagagacctc tctgggcccc	240
tgccacctcc aacatccact cgaccccttg	gaatttcggt ggagaggagc agaggttgtc	300
ctggcggtgt ttaggtagtg tgagagggtc	cgggttcaaa accacttgct ggggtggggag	360
tcgtcagtaa gtggctatgc cccgaccccg	aagcctgttt ccccatctgt acaatggaaa	420
tgataaagac gcccattctga tagggttttt	gtggcaaata aacatttggt ttttttgttt	480
tgttttgttt tgttttttga gatggagggt	tgctctgtcg cccaggctgg agtgcagtga	540
cacaattctca tctcaccaca accttcccct	gcctcagcct cccaagtagc tgggattaca	600
agcatgtgcc accacacctg gctaattttc	tatttttagt agagacgggt ttctccatgt	660
tggtcagcct cagcctccca agtaactggg	attacaggcc tgtgccacca caccggcta	720
attttttcta tttttgacag ggacgggggt	tcaccatgtt ggtcaggctg gtctagaggt	780
accggatctt gctaccagtg gaacagccac	taaggattct gcagtgagag cagagggcca	840
gctaagtggg actctcccag agactgtctg	actcacgcca cccctccac cttggacaca	900
ggacgctgtg gtttctgagc caggtacaat	gactcctttc ggtaagtgca gtggaagctg	960
tacactgccc aggcaaagcg tccgggcagc	gtaggcgggc gactcagatc ccagccagtg	1020
gacttagccc ctgtttgctc ctccgataac	tggggtgacc ttggttaata ttcaccagca	1080

gcctcccccg ttgcccctct ggatccactg cttaaatacg gacgaggaca gggccctgtc	1140
tcctcagctt caggcaccac cactgacctg ggacagt	1177

<210> 1026
 <211> 547
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1026	
ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcctttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcagatccc agccagtgga cttagcccct	300
gtttgctcct ccgataactg gggtgacctt ggtaaataatt caccagcagc ctccccggtt	360
gcccctctgg atccactgct taaatacgga cgaggacagg gccctgtctc ctcagcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaataata aaatttttaa	480
gtgtataatg tgtaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540
gaactga	547

<210> 1027
 <211> 556
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1027	
ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt cggtggagag gagcagaggt tgtcctggcg tggtttaggt	180
agtgtgagag gggaatgact cttttcggta agtgcagtgg aagctgtaca ctgcccaggc	240

aaagcgtccg ggcagcgtag gcgggagcact cagatcccag ccagtggact tagcccctgt	300
ttgctcctcc gataactggg gtgaccttgg ttaatatcca ccagcagcct cccccgttgc	360
ccctctggat ccactgctta aatacggacg aggacactcg agggccctgt ctcctcagct	420
tcaggcacca ccactgacct gggacagtga atccggacat cgattctaag gtaaatataa	480
aatttttaag tgtataattt gttaaactac tgattctaata tgtttctctc ttttagattc	540
caacctttgg aactga	556

<210> 1028

<211> 1179

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1028

ggctccggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggagggggtcg gcaattgaac cgggtgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cctttttccc gaggggtggg gagaaccgta tataagtgc	180
gtagtgcgctg tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtgggt cccgcgggccc tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttccacct ggctgcagta cgtgattctt gatcccgagc ttcgggttgg aagtgggtgg	360
gagagttcga ggccttgccg ttaaggagcc ctttcgcctc gtgcttgagt tgaggcctgg	420
cctgggagct ggggcccgcg cgtgcgaatc tgggtggcacc ttcgcgcctg tctcgtgct	480
ttcgataagt ctctagccat ttaaaatfff tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggt ttttggggcc	600
gcgggagggc acggggcccc tgcgtcccag cgcacatgtt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggtctcgcgc cgccgtgtat cgccccgccc tgggaggcaa ggctggcccc gtcggcacca	780
gttgctgtag cggaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840
acgcggagct cgggagagcg ggcgggtgag tcacccacac aaaggaaaag ggcctttccg	900

tcctcagccg tcgcttcacg tgactccacg gactaccggg cgccgtccag gcacctcgat	960
tagttctcga gcttttggag tacgtcgtct ttaggttggg gggaggggtt ttatgcgatg	1020
gagtttcccc acactgagtg ggtggagact gaagttaggc cagcttggca cttgatgtaa	1080
ttctccttgg aatttgcctt ttttgagttt ggatcttggg tcattctcaa gcctcagaca	1140
gtggttcaaa gtttttttct tccatttcag gtgtcgtga	1179

<210> 1029
 <211> 141
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1029	
aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttggt	60
cgccatccgg ttggtataaa tagacgttca tgttggtttt tgtttcagtt gcaagttggc	120
tgcggcgcgc gcagcacctt t	141

<210> 1030
 <211> 317
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1030	
ggtgtggaaa gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt	60
agtcagcaac caggtgtgga aagtccccag gctccccagc aggcagaagt atgcaaagca	120
tgcatctcaa ttagtcagca accatagtcc cgcccctaac tccgcccata ccgcccctaa	180
ctccgcccag ttccgcccata tctccgcccc atggctgact aatttttttt atttatgcag	240
aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc ttttttggag	300
gcctaggctt ttgcaaa	317

<210> 1031
 <211> 241
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1031

gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgtttagagag	60
ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga	120
aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat	180
atgcttaccg taacttgaaa gtatttcgat ttcttggcctt tatatatctt gtggaaagga	240
c	241

<210> 1032

<211> 215

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1032

gaacgctgac gtcacatcaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa	60
cacccagcgc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc	120
tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg	180
gatttgggaa tcgtataaga actgtatgag accac	215

<210> 1033

<211> 546

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1033

ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcctttcgg taagtgcagt ggaagctgta cactgcccag	240

gcaaagcgtc cgggcagcgt aggcgggcga ctcagatccc agccagtgga cttagcccct	300
gtttgctcct ccgataactg gggtgacctt ggttaatat caccagcagc ctccccggtt	360
gccccctctgg atccactgct taaatacggg cgaggacagg gccctgtctc ctcagcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaatata aaatTTTTaa	480
gtgtataatg tgttaaacta ctgattctaa ttgtttctct cttttagatt ccaacctttg	540
gaactg	546

<210> 1034

<211> 576

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1034

tagtaatcaa ttacggggtc attagttcat agcccatata tggagttccg cgttacataa	60
cttacggtaa atggcccgcc tggctgaccg cccaacgacc cccgcccatt gacgtcaata	120
atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca atgggtggag	180
tatttacggg aaactgcccc cttggcagta catcaagtgt atcatatgcc aagtacgccc	240
cctattgacg tcaatgacgg taaatggccc gcctggcatt atgcccagta catgacctta	300
tgggactttc ctacttgga gtacatctac gtattagtca tcgctattac catggtgatg	360
cggttttggc agtacatcaa tgggcgtgga tagcggtttg actcacgggg atttccaagt	420
ctccacccca ttgacgtcaa tgggagtttg ttttggcacc aaaatcaacg ggactttcca	480
aaatgtcgta acaactccgc ccattgacg caaatgggcg gtaggcgtgt acggtgggag	540
gtctatataa gcagagctgg tttagtgaac cgtcag	576

<210> 1035

<211> 150

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1035
ataaacgata acgccgttgg tggcgtgagg catgtaaaag gttacatcat tatcttgttc 60
gccatccggg tggtataaat agacgttcat gttgggtttt gtttcagttg caagttggct 120
gcggcgcgcg cagcaccttt gcggccatct 150

<210> 1036
<211> 1313
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1036
ggagccgaga gtaattcata caaaaggagg gatcgccttc gcaaggggag agcccaggga 60
ccgtccctaa attctcacag acccaaatcc ctgtagccgc cccacgacag cgcgaggagc 120
atgcgcccag ggctgagcgc gggtagatca gagcacacaa gctcacagtc cccggcgggtg 180
gggggagggg cgcgctgagc gggggccagg gagctggcgc ggggcaaact gggaaagtgg 240
tgtcgtgtgc tggctccgcc ctcttcccga ggggtggggga gaacggtata taagtgcggt 300
agtcgccttg gacgttcttt ttcgcaacgg gtttgccgtc agaacgcagg tgagtggcgg 360
gtgtggcttc cgcggggccc ggagctggag ccctgctctg agcggggccgg gctgatatgc 420
gagtgtcgtc cgcagggttt agctgtgagc attcccactt cgagtggcgg gcggtgcggg 480
ggtgagagtg cgaggcctag cggcaacccc gtagcctcgc ctctgttccg gcttgaggcc 540
tagcgtgggtg tccgccgccg cgtgccactc cggccgcact atgcgttttt tctccttgct 600
gccctcgatt gccttcagc agcatgggct aacaaaggga ggggtgtggg ctcactctta 660
aggagcccat gaagcttacg ttggatagga atggaagggc aggaggggcg actggggccc 720
gcccgccttc ggagcacatg tccgacgcca cctggatggg gcgaggcctg tggctttccg 780
aagcaatcgg gcgtgagttt agcctacctg ggccatgtgg ccctagcact gggcacggtc 840
tggcctggcg gtgccgcgtt cccttgctc ccaacaaggg tgaggccgtc ccgccggca 900
ccagttgctt gcgcggaaag atggccgctc ccggggccct gttgcaagga gctcaaaatg 960
gaggacgcgg cagcccgggtg gagcgggcgg gtgagtcacc cacacaaagg aagagggcct 1020
tgcccctcgc cggccgctgc ttcctgtgac cccgtggtct atcgccgca tagtcacctc 1080

gggcttctct tgagcaccgc tcgtcgcggc ggggggaggg gatctaattg cgttggagtt	1140
tgttcacatt tgggtgggtgg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttagagtttg gagcgaggct aattctcaag cctcttagcg gttcaaaggt	1260
attttctaaa cccgtttcca ggtgttgtga aagccaccgc taattcaaag caa	1313

<210> 1037
 <211> 213
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1037	
taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta	60
tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag	120
ttaacaacaa caattgcatt cattttatgt ttcaggttca gggggaggtg tgggaggttt	180
tttaaagcaa gtaaaacctc tacaaatgtg gta	213

<210> 1038
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 1038	
Pro Lys Lys Lys Arg Lys Val	
1	5

<210> 1039
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 1039	
Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly	
1	5 10 15

Ala His Ser

<210> 1040
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1040
Met Leu Pro Ser Gln Leu Ile Gly Phe Leu Leu Leu Trp Val Pro Ala
1 5 10 15

Ser Arg Gly

<210> 1041
<211> 7
<212> PRT
<213> Simian virus 40

<400> 1041
Pro Lys Lys Lys Arg Lys Val
1 5

<210> 1042
<211> 21
<212> DNA
<213> Simian virus 40

<400> 1042
cccaagaaga agaggaaggt g

21

<210> 1043
<211> 16
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
Nucleoplasmin bipartite NLS sequence

<400> 1043
Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys

1 5 10 15

<210> 1044
 <211> 9
 <212> PRT
 <213> Unknown

<220>
 <223> Description of Unknown:
 C-myc NLS sequence

<400> 1044
 Pro Ala Ala Lys Arg Val Lys Leu Asp
 1 5

<210> 1045
 <211> 11
 <212> PRT
 <213> Unknown

<220>
 <223> Description of Unknown:
 C-myc NLS sequence

<400> 1045
 Arg Gln Arg Arg Asn Glu Leu Lys Arg Ser Pro
 1 5 10

<210> 1046
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Asn Gln Ser Ser Asn Phe Gly Pro Met Lys Gly Gly Asn Phe Gly Gly
 1 5 10 15

Arg Ser Ser Gly Pro Tyr Gly Gly Gly Gly Gln Tyr Phe Ala Lys Pro
 20 25 30

Arg Asn Gln Gly Gly Tyr
 35

<210> 1047
 <211> 42
 <212> PRT
 <213> Unknown

<220>

<223> Description of Unknown:

IBB domain from importin-alpha sequence

<400> 1047

Arg Met Arg Ile Glx Phe Lys Asn Lys Gly Lys Asp Thr Ala Glu Leu
1 5 10 15

Arg Arg Arg Arg Val Glu Val Ser Val Glu Leu Arg Lys Ala Lys Lys
20 25 30

Asp Glu Gln Ile Leu Lys Arg Arg Asn Val
35 40

<210> 1048

<211> 8

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown:

Myoma T protein sequence

<400> 1048

Val Ser Arg Lys Arg Pro Arg Pro
1 5

<210> 1049

<211> 8

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown:

Myoma T protein sequence

<400> 1049

Pro Pro Lys Lys Ala Arg Glu Asp
1 5

<210> 1050

<211> 8

<212> PRT

<213> Homo sapiens

<400> 1050

Pro Gln Pro Lys Lys Lys Pro Leu
1 5

<210> 1051
 <211> 12
 <212> PRT
 <213> Mus musculus

<400> 1051
 Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
 1 5 10

<210> 1052
 <211> 70
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1052
 gcgcgctcgc tcgctcactg aggccgcccc ggaaacccgg gcgtgcgccct cagtgagcga 60
 gcgagcgcgc 70

<210> 1053
 <211> 70
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1053
 gcgcgctcgc tcgctcactg aggcgccacgc ccgggtttcc cgggcggcct cagtgagcga 60
 gcgagcgcgc 70

<210> 1054
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1054
 gcgcgctcgc tcgctcactg aggccgtcgg gcgacctttg gtcgcccggc ctcagtgagc 60
 gagcgagcgc gc 72

<210> 1055
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1055
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgggc ctcaagtgagc 60

 gagcgagcgc gc 72

 <210> 1056
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1056
 gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgtcggc ctcaagtgagc 60

 gagcgagcgc gc 72

 <210> 1057
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1057
 gcgcgctcgc tcgctcactg aggccgacgc ccgggctttg cccgggcggc ctcaagtgagc 60

 gagcgagcgc gc 72

 <210> 1058
 <211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 1058
gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg ctttgcccgg 60
cctcagtgag cgagcgagcg cgc 83

<210> 1059
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1059
gcgcgctcgc tcgctcactg aggccgggca aagcccgacg cccgggcttt gcccgggcgg 60
cctcagtgag cgagcgagcg cgc 83

<210> 1060
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1060
gcgcgctcgc tcgctcactg aggccgaaac gtcgggacgac ctttggtcgc ccggcctcag 60
tgagcgagcg agcgcg 77

<210> 1061
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1061
gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgtt tcggcctcag 60
tgagcgagcg agcgcg 77

<210> 1062

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

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1062
 gcgcgctcgc tcgctcactg aggcaaagcc tcagtgagcg agcgagcgcg c 51

 <210> 1063
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1063
 gcgcgctcgc tcgctcactg aggctttgcc tcagtgagcg agcgagcgcg c 51

 <210> 1064
 <211> 80
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1064
 gcgcgctcgc tcgctcactg aggccgcccc ggcgtcgggc gacctttggt cgcccggcct 60

 cagtgagcga gcgagcgcg 80

 <210> 1065
 <211> 80
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1065
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cgggcggcct 60

 cagtgagcga gcgagcgcg 80

<210> 1066
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1066
gcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggtc gcccggcctc 60
agtgagcgag cgagcgcg 79

<210> 1067
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1067
gcgctcgc tcgctcactg aggcggggcg accaaaggct gcccgacgcc cgggcgcctc 60
agtgagcgag cgagcgcg 79

<210> 1068
<211> 5
<212> PRT
<213> Influenza virus

<400> 1068
Asp Arg Leu Arg Arg
1 5

<210> 1069
<211> 7
<212> PRT
<213> Influenza virus

<400> 1069
Pro Lys Gln Lys Lys Arg Lys
1 5

<210> 1070
<211> 10
<212> PRT

<213> Hepatitis delta virus

<400> 1070

Arg Lys Leu Lys Lys Lys Ile Lys Lys Leu
1 5 10

<210> 1071

<211> 10

<212> PRT

<213> Mus musculus

<400> 1071

Arg Glu Lys Lys Lys Phe Leu Lys Arg Arg
1 5 10

<210> 1072

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1072

Lys Arg Lys Gly Asp Glu Val Asp Gly Val Asp Glu Val Ala Lys Lys
1 5 10 15

Lys Ser Lys Lys
20

<210> 1073

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1073

Arg Lys Cys Leu Gln Ala Gly Met Asn Leu Glu Ala Arg Lys Thr Lys
1 5 10 15

Lys

<210> 1074

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1074
gtttaaac 8

<210> 1075
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1075
ttaattaa 8

<210> 1076
<211> 141
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1076
aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttggt 60
cgccatccgg ttggtataaa tagacgttca tgttggtttt tgtttcagtt gcaagttggc 120
tgcggcgcgcg gcagcacctt t 141

<210> 1077
<211> 317
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1077
ggtgtggaaa gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt 60
agtcagcaac caggtgtgga aagtccccag gctccccagc aggcagaagt atgcaaagca 120
tgcatctcaa ttagtcagca accatagtcc cgcccctaac tccgcccatac ccgcccctaa 180
ctccgcccag ttccgcccata tctccgcccc atggctgact aatTTTTTTTT atttatgcag 240
aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc ttttttggag 300

gcctaggctt ttgcaaa 317

<210> 1078
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1078
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacggc ctcagtgagc 60
 gagcgagcgc gc 72

<210> 1079
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1079
 gagacagaca cactcctgct atgggtactg ctgctctggg ttccaggttc cactggtgac 60

<210> 1080
 <211> 1260
 <212> DNA
 <213> Adeno-associated virus - 2

<400> 1080
 atggagctgg tcgggtggct cgtggacaag gggattacct cggagaagca gtggatccag 60
 gaggaccagg cctcatacat ctcttcaat gcggcctcca actcgcggtc ccaaatcaag 120
 gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg 180
 gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaat tttggaacta 240
 aacgggtacg atccccaata tgcggcttcc gtctttctgg gatgggccac gaaaaagttc 300
 ggcaagagga acaccatctg gctgtttggg cctgcaacta ccgggaagac caacatcgcg 360
 gaggccatag cccacactgt gcccttctac gggcgcgtaa actggaccaa tgagaacttt 420
 cccttcaacg actgtgtcga caagatggtg atctggtggg aggaggggaa gatgaccgcc 480
 aaggtcgtgg agtcggccaa agccattctc ggaggaagca aggtgcgcgt ggaccagaaa 540

tgcaagtcct cggcccagat agacccgact cccgtgatcg tcacctcaa caccaacatg	600
tgcgccgtga ttgacgggaa ctcaacgacc ttcgaacacc agcagccgtt gcaagaccgg	660
atgttcaa at ttgaactcac ccgccgtctg gatcatgact ttgggaaggt caccaagcag	720
gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc	780
tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagtgag	840
cccaaacggg tgcgcgagtc agttgcgcag ccatcgacgt cagacgcgga agcttcgatc	900
aactacgcag acaggtacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg	960
tttccctgca gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga	1020
cagaaagact gtttagagt ctttcccgtg tcagaatctc aaccgtttc tgtcgtcaaa	1080
aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
actgcctgcg atctgggtcaa tgtggatttg gatgactgca tctttgaaca ataaatgatt	1200
taaatcaggt atggctgccg atggttatct tccagattgg ctcgaggaca ctctctctga	1260

<210> 1081

<211> 1932

<212> DNA

<213> Adeno-associated virus - 2

<400> 1081

atgccgggggt tttacgagat tgtgattaag gtccccagcg accttgacga gcatctgccc	60
ggcatttctg acagctttgt gaactgggtg gccgagaagg aatgggagtt gccgccagat	120
tctgacatgg atctgaatct gattgagcag gcacccctga ccgtggccga gaagctgcag	180
cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct tttctttgtg	240
caatttgaga agggagagag ctacttccac atgcacgtgc tcgtggaaac caccggggtg	300
aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat tcagagaatt	360
taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac cagaaatggc	420
gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt gctcccaaa	480
accagcctg agctccagtg ggcgtggact aatatggaac agtatttaag cgcctgtttg	540
aatctcacgg agcgtaaacg gttggtggcg cagcatctga cgcacgtgtc gcagacgcag	600
gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag atcaaaaact	660

tcagccaggt acatggagct ggtcgggtgg ctcgtggaca aggggattac ctcggagaag	720
cagtggatcc aggaggacca ggcctcatac atctccttca atgcggcctc caactcgcgg	780
tcccaaataca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac taaaaccgcc	840
cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg gattttataaa	900
attttggaac taaacgggta cgatccccaat tatgcggctt ccgtctttct gggatgggcc	960
acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac taccgggaag	1020
accaacatcg cggaggccat agcccacact gtgcccttct acgggtgcgt aaactggacc	1080
aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg ggaggagggg	1140
aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag caaggtgcgc	1200
gtggaccaga aatgcaagtc ctcggcccag atagaccga cttccgtgat cgtcacctcc	1260
aacaccaaca tgtgcgccgt gattgacggg aactcaacga cttcgaaca ccagcagccg	1320
ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga ctttgggaag	1380
gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt ggttgaggtg	1440
gagcatgaat tctacgtcaa aaagggtgga gccaaagaaa gacccgcccc cagtgcgca	1500
gatataagtg agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac gtcagacgcg	1560
gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca cgtgggcatg	1620
aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc aaatatctgc	1680
ttcactcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc tcaaccggtt	1740
tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat gggaaagggtg	1800
ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg catctttgaa	1860
caataaatga tttaaatacag gtatggctgc cgatggttat cttccagatt ggctcgagga	1920
cactctctct ga	1932

<210> 1082

<211> 1876

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1082

cgagccacc atggcggggt tttacgagat tgtgattaag gtccccagcg accttgacgg	60
gcatctgccc ggcattttctg acagctttgt gaactgggtg gccgagaagg aatgggagtt	120
gccgccagat tctgacatgg atctgaatct gattgagcag gcacccctga ccgtggccga	180
gaagctgcag cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct	240
tttctttgtg caatttgaga agggagagag ctacttcac atgcacgtgc tcgtggaaac	300
caccggggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt	480
gctcccaaa acccagcctg agctccagtg ggcgtggact aatatggaac agtatttaag	540
cgcctgtttg aatctcacgg agcgtaaacg gttggtggcg cagcatctga cgcacgtgtc	600
gcagacgcag gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag	660
atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctctggaca aggggattac	720
ctcggagaag cagtggatcc aggaggacca ggcctcatac atctccttca atgcggcctc	780
caactcgcg tcccaaatca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac	840
taaaaccgcc cccgactacc tgggtggcca gcagcccgtg gaggacattt ccagcaatcg	900
gatttataaa attttggaac taaacgggta cgatcccaa tatgcggctt ccgtctttct	960
gggatgggcc acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac	1020
taccgggaag accaaccatcg cggaggccat agcccacact gtgcccttct acgggtgcgt	1080
aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg	1140
ggaggagggg aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag	1200
caaggtgcgc gtggaccaga aatgcaagtc ctcggcccag atagaccga ctcccgtgat	1260
cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga cttcgaaca	1320
ccagcagccg ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga	1380
ctttgggaag gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt	1440
ggttgagggtg gagcatgaat tctacgtcaa aaagggtgga gccaagaaaa gacccgcccc	1500
cagtgcgca gatataagt agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac	1560
gtcagacgcg gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca	1620

cgtgggcatg aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc	1680
aaatatctgc ttacttcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc	1740
tcaaccggtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaagggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 1083

<211> 1194

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1083

atggagctgg tcgggtggct cgtggacaag gggattacct cggagaagca gtggatccag	60
gaggaccagg cctcatacat ctcttcaat gcggcctcca actcgcggtc ccaaatcaag	120
gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg	180
gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaaat ttggaacta	240
aacgggtacg atccccaata tgcggcttcc gtctttctgg gatgggccac gaaaaagttc	300
ggcaagagga acaccatctg gctgtttggg cctgcaacta ccgggaagac caacatcgcg	360
gaggccatag cccacactgt gcccttctac ggggtgcgtaa actggaccaa tgagaacttt	420
cccttcaacg actgtgtcga caagatggtg atctggtggg aggaggggaa gatgaccgcc	480
aaggtcgtgg agtcggccaa agccattctc ggaggaagca aggtgcgcgt ggaccagaaa	540
tgcaagtcct cggcccagat agaccgact cccgtgatcg tcacctcaa caccaacatg	600
tgcgccgtga ttgacgggaa ctcaacgacc ttcgaacacc agcagccgtt gcaagaccgg	660
atgttcaa at ttgaactcac ccgccgtctg gatcatgact ttgggaaggt caccaagcag	720
gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc	780
tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagttag	840
cccaaacggg tgcgcgagtc agttgcgcag ccatcgacgt cagacgcgga agcttcgac	900
aactacgcag accgctacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg	960

tttccctgca gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga	1020
cagaaagact gtttagagtg ctttcccgtg tcagaatctc aaccgtttc tgtcgtcaaa	1080
aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
actgcctgcg atctggtcaa tgtggatttg gatgactgca tctttgaaca ataa	1194

<210> 1084

<211> 1876

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1084

cgcagccacc atggcgggggt tttacgagat tgtgattaag gtccccagcg accttgacgg	60
gcatctgccc ggcatttctg acagctttgt gaactgggtg gccgagaagg aatgggagtt	120
gccgccagat tctgacatgg atctgaatct gattgagcag gcaccctga ccgtggccga	180
gaagctgcag cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct	240
tttctttgtg caatttgaga agggagagag ctacttcac atgcacgtgc tcgtggaaac	300
caccgggggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaagggt ggtggatgag tgctacatcc ccaattactt	480
gctcccaaa acccagcctg agctccagtg ggcgtggact aatatggaac agtatttaag	540
cgctgtttg aatctcacgg agcgtaaagc gttggtggcg cagcatctga cgcacgtgtc	600
gcagacgcag gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag	660
atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctcgtggaca aggggattac	720
ctcggagaag cagtggatcc aggaggacca ggcctcatat atctccttca atgcggcctc	780
caactcgcg tcccaaatca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac	840
taaaaccgcc cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg	900
gatttataaa attttggaaac taaacgggta cgatcccaa tatgcggctt ccgtctttct	960
gggatgggcc acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac	1020
taccgggaag accaacatcg cggaggccat agcccacact gtgcccttct acgggtgcgt	1080

aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg	1140
ggaggagggg aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag	1200
caaggtgctc gtggaccaga aatgcaagtc ctcgccag atagaccga ctcccgtgat	1260
cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga ctttcgaaca	1320
ccagcagccg ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga	1380
ctttgggaag gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt	1440
ggttgagggtg gagcatgaat tctacgtcaa aaagggtgga gccaagaaaa gacccgcccc	1500
cagtgcgca gatataagt agcccaaagc ggtgcgcgag tcagttgcgc agccatcgac	1560
gtcagacgcg gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca	1620
cgtgggcatg aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc	1680
aaatatctgc ttcactcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc	1740
tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaagggtg ccagacgctt gcactgcctg cgatctgggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 1085

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1085

ctaggccgcc cgggcaaagc ccgggcgtcg ggcgacctt ggtcgcccgg c	51
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<210> 1086

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1086

ctaggactga ggccgcccgg gcaaagccc ggcgtcgggc gacctttggt cgcccgcct	60
---	----

cagtc 65

<210> 1087
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
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<210> 1088
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oligonucleotide

<400> 1088
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<210> 1089
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1089
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<210> 1090
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<212> DNA
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1090
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<210> 1091
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1091
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<210> 1092
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<210> 1093
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1093
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tcctgca 67

<210> 1094
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1094
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<210> 1095
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1095
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<210> 1096
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1096
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<210> 1097
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

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gcgtcccatc cgccattcag gctgcaaata agcgttgata ttcagtcaat tacaacatt	8100
aataacgaag agatgacaga aaaattttca ttctgtgaca gagaaaaagt agccgaagat	8160
gacggtttgt cacatggagt tggcaggatg tttgattaaa aacataacag gaagaaaaat	8220
gccccgctgt gggcggacaa aatagttggg aactgggagg ggtggaaatg gagtttttaa	8280
ggattattta gggaagagtg acaaaataga tgggaactgg gtgtagcgtc gtaagctaat	8340
acgaaaatta aaaatgacaa aatagtttgg aactagattt cacttatctg gttcggatct	8400
cctagtgagc tccctgca	8418

<210> 1099

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1099

tgtgccttct agttgccagc catctgttgt ttgcccctcc cccgtgcctt ccttgaccct	60
ggaaggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct	120
gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg	180
ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc	225

<210> 1100

<211> 1177

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1100

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ggctcagagg ctcagaggca cacaggagtt tctgggctca ccctgcccc ttccaacccc      60
tcagttccca tcctccagca gctgtttgtg tgctgcctct gaagtccaca ctgaacaaac      120
ttcagcctac tcatgtccct aaaatgggca aacattgcaa gcagcaaaca gcaaacacac      180
agccctccct gcctgctgac cttggagctg gggcagaggt cagagacctc tctgggcccc      240
tgccacctcc aacatccact cgaccccttg gaatttcggt ggagaggagc agaggttgct      300
ctggcgtggt ttaggtagtg tgagagggtc cgggttcaaa accacttgct gggtagggag      360
tcgtcagtaa gtggctatgc cccgaccccg aagcctgttt cccatctgt acaatggaaa      420
tgataaagac gccatctga tagggttttt gtggcaaata aacatttggt tttttgttt      480
tgttttgttt tgttttttga gatggagggt tgctctgtcg cccaggctgg agtgcagtga      540
cacaatctca tctcaccaca accttcccct gcctcagcct cccaagtagc tgggattaca      600
agcatgtgcc accacacctg gctaattttc tatttttagt agagacgggt ttctccatgt      660
tggtcagcct cagcctccca agtaactggg attacaggcc tgtgccacca caccggcta      720
atTTTTtcta ttttgacag ggacgggggt tcaccatgtt ggtcaggctg gtctagaggt      780
accggatctt gctaccagtg gaacagccac taaggattct gcagtgagag cagagggcca      840
gctaagtggg actctcccag agactgtctg actcacgcca cccctccac cttggacaca      900
ggacgctgtg gtttctgagc caggtacaat gactcctttc ggtaagtgca gtggaagctg      960
tacactgccc aggcaaagcg tccgggcagc gtaggcgggc gactcagatc ccagccagtg     1020
gacttagccc ctgtttgctc ctccgataac tggggtgacc ttggttaata ttcaccagca     1080
gcctcccccg ttgcccctct ggatccactg cttaaatacg gacgaggaca gggccctgtc     1140
tcctcagctt caggcaccac cactgacctg ggacagt                                1177

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<210> 1101

<211> 1326

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1101

ctgcagggcc cactagtgga gccgagagta attcatacaa aaggagggat cgccttcgca	60
aggggagagc ccagggaccg tccctaaatt ctcacagacc caaatccctg tagccgcccc	120
acgacagcgc gaggagcatg cgcccagggc tgagcgcggg tagatcagag cacacaagct	180
cacagtcccc ggcggtgggg ggaggggcg cgtgagcggg ggccaggag ctggcgcggg	240
gcaaactggg aaagtgggtg cgtgtgctgg ctccgccctc ttcccagggg tgggggagaa	300
cggtatataa gtgcggtagt cgccttggac gttctttttc gcaacgggtt tgccgtcaga	360
acgcaggtga gtggcgggtg tggcttccgc gggccccgga gctggagccc tgctctgagc	420
gggccgggct gatatgcgag tgtcgtccgc agggtttagc tgtgagcatt cccacttcga	480
gtggcgggcg gtgcgggggt gagagtgcga ggcctagcgg caaccccgta gcctcgcctc	540
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cgttttttgt ccttgctgcc ctcgattgcc ttccagcagc atgggctaac aaaggagggg	660
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aggggcgact ggggccccgc cgccttcgga gcacatgtcc gacgccacct ggatggggcg	780
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tagcactggg cacggtctgg cctggcggtg ccgcgttccc ttgcctcca acaagggtga	900
ggccgtcccc cccggcacca gttgcttgcg cggaagatg gccgctccc gggccctggt	960
gcaaggagct caaatggag gacgcggcag cccggtggag cgggcgggtg agtcacccac	1020
acaaaggaag agggccttgc ccctcgccgg ccgctgcttc ctgtgacccc gtggtctatc	1080
ggccgcatag tcacctcggg cttctcttga gcaccgctcg tcgcggcggg gggaggggat	1140
ctaattggcgt tggagtttgt tcacatttgg tgggtggaga ctagtcaggc cagcctggcg	1200
ctggaagtca ttcttggaat ttgcccctt gagtttggag cgaggctaatt tctcaagcct	1260
cttagcgggt caaaggattt ttctaaacct gtttccaggt gttgtgaaag ccaccgctaa	1320
ttcaaa	1326

<210> 1102

<211> 573

<212> DNA

<213> Mus musculus

<400> 1102

gtaagagttt tatgtttttt catctctgct tgtatttttc tagtaatgga agcctggtat	60
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tttaaaatag tttaaattttc ctttagtgct gatttctaga ttattattac tgttggtgtt	120
gttattattg tcattatttg catctgagaa cccttaggtg gttatattat tgatatattt	180
ttggtatctt tgatgacaat aatgggggat tttgaaagct tagctttaaa tttcttttaa	240
ttaaaaaaaa atgctaggca gaatgactca aattacgttg gatacagttg aatttattac	300
ggtctcatag ggcctgcctg ctcgaccatg ctatactaaa aattaaaagt gtgtgttact	360
aattttataa atggagtttc catttatatt tacctttatt tcttatttac cattgtctta	420
gtagatattt acaaacatga cagaaacact aaatcttgag tttgaatgca cagatataaa	480
cacttaacgg gttttaaaaa taataatgtt ggtgaaaaaa tataactttg agtgtagcag	540
agaggaacca ttgccacctt cagattttcc tgt	573

<210> 1103
 <211> 1993
 <212> DNA
 <213> Mus musculus

<400> 1103	
acgatcggga actggcatct tcaggagta gcttaggtca gtgaagagaa gaacaaaaag	60
cagcatatta cagttagttg tcttcatcaa tctttaaata tgttgtgtgg tttttctctc	120
cctgtttcca cagacaagag tgagatcgcc catcggtata atgatttggg agaacaacat	180
ttcaaaggcc tgtaagttat aatgctgaaa gccacttaa tatttctggt agtattagtt	240
aaagttttaa aacacctttt tccaccttga gtgtgagaat tgtagagcag tgctgtccag	300
tagaaatgtg tgcatgaca gaaagactgt ggatctgtgc tgagcaatgt ggcagccaga	360
gatcacaagg ctatcaagca ctttgcacat ggcaagtgtg actgagaagc acacattcaa	420
ataatagtta attttaattg aatgtatcta gccatgtgtg gctagtagct cttttcctgg	480
agagagaatc tggagcccac atctaacttg ttaagtctgg aatcttattt tttatttctg	540
gaaaggctta tgaactatag ttttgggggc agctcactta ctaactttta atgcaataag	600
atctcatggg atcttgagaa cattattttg tctctttgta gtactgaaac cttatacatg	660
tgaagtaagg ggtctatact taagtcacat ctccaacctt agtaatgttt taatgtagta	720
aaaaaatgag taattaattt atttttagaa ggtcaatagt atcatgtatt ccaaataaca	780
gaggatatg gttagaaaag aaacaattca aaggacttat ataatatcta gccttgacaa	840

tgaataaatt tagagagtag tttgcctgtt tgcctcatgt tcataaatct attgacacat	900
atgtgcatct gcacttcagc atggtagaag tccatattcc tttgcttgga aaggcagggt	960
ttcccattac gcctcagaga atagctgacg ggaagaggct ttctagatag ttgtatgaaa	1020
gatatacaaa atctcgcagg tatacacagg catgatttgc tggttgggag agccacttgc	1080
ctcatactga ggTTTTTgtg tctgcttttc agagtcctga ttgccttttc ccagtatctc	1140
cagaaatgct catacagatga gcatgccaaa ttagtgcagg aagtaacaga ctttgcaaag	1200
acgtgtgttg ccgatgagtc tgccgccaac tgtgacaaat cccttgtgag taccttctga	1260
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cacttaaggc cccgggaaca ctgtggcaga gggcagcaga gagattgata aagccagggt	1380
gatgggaatt ttctgtggga ctccatttca tagtaattgc agaagctaca atacactcaa	1440
aaagtctcac cacatgactg cccaaatggg agcttgacag tgacagtgc agtagatatg	1500
ccaaagtgga tgagggaag accacaagag ctaaaccctg taaaaagaac tgtaggcaac	1560
taaggaatgc agagagaaga agttgccttg gaagagcata ccaactgcct ctccaatacc	1620
aatggtcac cctaaaacat acgtatgaat aacatgcaga ctaagcaggc tacatttagg	1680
aatatacatg tatttacata aatgtatatg catgtaacaa caatgaatga aaactgaggt	1740
catggatctg aaagagagca agggggctta catgagaggg tttggaggga ggggttgag	1800
ggaggagggt attattcttt agttttacag ggaacgtagt aaaaacatag gcttctccca	1860
aaggagcaga gcccatgagg agctgtgcaa ggttccccag cttgatttta cctgctcctc	1920
aaattccctt gatttgTTTT tattataatg actttactcc tagcttttag tgtcagatag	1980
aaaacatgga agg	1993

<210> 1104
 <211> 1350
 <212> DNA
 <213> Homo sapiens

<400> 1104	
taggaggctg aggcaggagg atcgcttgag cccaggagtt cgagaccagc ctgggcaaca	60
tagtgtgatc ttgtatctat aaaaataaac aaaattagct tgggtgtggtg gcgcctgtag	120
tccccagcca cttggagggg tgaggtgaga ggattgcttg agcccgggat ggtccaggct	180
gcagtgagcc atgatcgtgc cactgcactc cagcctgggc gacagagtga gaccctgtct	240

cacaacaaca acaacaacaa caaaaaggct gagctgcacc atgcttgacc cagtttctta	300
aaattgttgt caaagcttca ttcactccat ggtgctatag agcacaagat tttatttggt	360
gagatgggtgc tttcatgaat tcccccaaca gagccaagct ctccatctag tggacaggga	420
agctagcagc aaaccttccc ttcactacaa aacttcattg cttggccaaa aagagagtta	480
attcaatgta gacatctatg taggcaatta aaaacctatt gatgtataaa acagtttgca	540
ttcatggagg gcaactaaat acattctagg actttataaa agatcacttt ttatttatgc	600
acagggtgga acaagatgga ttatcaagtg tcaagtccaa tctatgacat caattattat	660
acatcggagc cctgccaaaa aatcaatgtg aagcaaatcg cagcccgct cctgcctccg	720
ctctactcac tgggtgttcat ctttggtttt gtgggcaaca tgctggtcat cctcatcctg	780
ataaactgca aaaggctgaa gagcatgact gacatctacc tgctcaacct ggccatctct	840
gacctgtttt tccttcttac tgtccccttc tgggctcact atgctgccgc ccagtgggac	900
tttggaata caatgtgtca actcttgaca gggctctatt ttataggctt cttctctgga	960
atcttcttca tcatcctcct gacaatcgat aggtacctgg ctgtcgtcca tgctgtgttt	1020
gctttaaaag ccaggacggt cacctttggg gtggtgacaa gtgtgatcac ttgggtggtg	1080
gctgtgtttg cgtctctccc aggaatcatc tttaccagat ctcaaaaaga aggtcttcat	1140
tacacctgca gctctcattt tccatacagt cagtatcaat tctggaagaa tttccagaca	1200
ttaaagatag tcattcttggg gctggctctg ccgctgcttg tcatggtcat ctgctactcg	1260
ggaatcctaa aaactctgct tcggtgtcga aatgagaaga agaggcacag ggctgtgagg	1320
cttatcttca ccatcatgat tgtttatttt	1350

<210> 1105
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<400> 1105	
tgacagagac tcttgggatg acgcactgct gcatcaaccc catcatctat gcctttgtcg	60
gggagaagtt cagaaactac ctcttagtct tcttccaaaa gcacattgcc aaacgcttct	120
gcaaatgctg ttctattttc cagcaagagg ctcccagcg agcaagctca gtttacaccc	180
gatccactgg ggagcaggaa atatctgtgg gcttgtgaca cggactcaag tgggctggtg	240

accagtcag agttgtgcac atggcttagt tttcatacac agcctgggct gggggtgggg	300
tgggagaggt cttttttaaa aggaagttac tgttatagag ggtctaagat tcatccattt	360
atttggcatc tgtttaaagt agattagatc ttttaagccc atcaattata gaaagccaaa	420
tcaaaatatg ttgatgaaaa atagcaacct ttttatctcc ctttcacatg catcaagtta	480
ttgacaaact ctcccttcac tccgaaagt ctttatgtat atttaaaaga aagcctcaga	540
gaattgctga ttcttgagtt tagtgatctg aacagaaata ccaaaattat ttcagaaatg	600
tacaactttt tacctagtag aaggcaacat ataggttgta aatgtgttta aaacaggtct	660
ttgtcttgct atggggagaa aagacatgaa tatgattagt aaagaaatga cacttttcat	720
gtgtgatttc ccctccaagg tatggttaat aagtttctact gacttagaac caggcgagag	780
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tctattgctg gcaaagacag aagcctcact gcaagcactg catgggcaag cttggctgta	900
gaaggagaca gagctggttg ggaagacatg gggaggaagg acaaggctag atcatgaaga	960
accttgacgg cattgctccg tctaagtcag gagctgagca gggagatcct ggttggtggt	1020
gcagaagggt tactctgtgg ccaaaggagg gtcaggaagg atgagcattt agggcaagga	1080
gaccaccaac agccctcagg tcagggtgag gatggcctct gctaagctca aggcgtgagg	1140
atgggaagga gggaggtatt cgtaaggatg ggaaggaggg aggtattcgt gcagcatatg	1200
aggatgcaga gtcagcagaa ctg	1223

<210> 1106

<211> 215

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1106

gaacgctgac gtcacatcaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa	60
cacccagcgc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc	120
tgcaatatatt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg	180
gatttgggaa tcttataagt tctgtatgag accac	215

<210> 1107
 <211> 141
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1107
 cctgcaggca gctgcgcgct cgctcgctca cctaggccgc ccgggcaaag cccgggcgctc 60
 gggcgacctt tggtcgcccc gcctaggtga gcgagcgagc gcgcagagag ggagtggcca 120
 actccatcac taggggttcc t 141

 <210> 1108
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

 <400> 1108
 gcgcgctcgc tcgctcacc 19

 <210> 1109
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

 <400> 1109
 ctaggtgagc gagcgagcgc gc 22

 <210> 1110
 <211> 75
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

 <400> 1110
 cctgcaggac tgaggccgcc cgggcaaagc ccgggcgtcg ggcgaccttt ggtcgccccg 60

cctcagtcct gcagg 75

<210> 1111
<211> 130
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1111
aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagt 60
gcgggcgacc aaaggtcgcc cgacgcccg gcgcactcag tgagcgagcg agcgcgagc 120
tgcctgcagg 130

<210> 1112
<211> 142
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1112
cctgcaggca gctgcgcgct cgctcgctcc ctaggactga ggccgcccg gcgtcgggcg 60
acctttggtc gcccggcctc agtcctaggg agcgagcgag cgcgagaga gggagtggcc 120
aactccatca ctaggggttc ct 142

<210> 1113
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1113
gcgcgctcgc tcgctcactg agtgcgggcg accaaaggtc gcccgacgcc cgggcgcact 60
cagtgcgga gcgagcgcg 80

<210> 1114

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

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1114
 gcgcgctcgc tcgctcactg a 21

 <210> 1115
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1115
 gtgagcgagc gagcgcgc 18

 <210> 1116
 <211> 89
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1116
 gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgctcggg cgactttgtc 60

 gcccggcctc agtgagcgag cgagcgcgc 89

 <210> 1117
 <211> 89
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1117
 gcgcgctcgc tcgctcactg aggccgggcg acaaagtcgc ccgacgcccc ggctttgccc 60

 gggcggcctc agtgagcgag cgagcgcgc 89

<210> 1118
 <211> 87
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1118
 gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgtcggg cgattttcgc 60

 ccggcctcag tgagcgagcg agcgcgcg 87

<210> 1119
 <211> 87
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1119
 gcgcgctcgc tcgctcactg aggccgggcg aaaatcgccc gacgcccggg ctttgcccgg 60

 gcggcctcag tgagcgagcg agcgcgcg 87

<210> 1120
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1120
 gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgtcggg cgtttcgccc 60

 ggccctcagt agcgagcgag cgcgcg 85

<210> 1121
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1121
gcgcgctcgc tcgctcactg aggccgggcg aaacgcccga cgcccgggct ttgcccgggc 60
ggcctcagtg agcgagcgag cgcg 85

<210> 1122
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1122
gcgcgctcgc tcgctcactg aggccgcccg ggaaaccgg gcgtcgggcg acctttggtc 60
gcccggcctc agtgagcgag cgagcgcg 89

<210> 1123
<211> 89
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1123
gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgcc cgggtttccc 60
gggcggcctc agtgagcgag cgagcgcg 89

<210> 1124
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1124
gcgcgctcgc tcgctcactg aggccgcccg gaaaccgggc gtcgggacgac ctttggtcgc 60
ccggcctcag tgagcgagcg agcgcg 87

<210> 1125
<211> 87

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1125
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cgtttccgg 60
 gcggcctcag tgagcgagcg agcgcg 87

 <210> 1126
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1126
 gcgcgctcgc tcgctcactg aggccgccc aaacggggtc cggcgacct ttggtcgccc 60
 ggcctcagt agcgagcgag cgcg 85

 <210> 1127
 <211> 85
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1127
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cgtttcgggc 60
 ggcctcagt agcgagcgag cgcg 85

 <210> 1128
 <211> 83
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1128
 gcgcgctcgc tcgctcactg aggccgcca aaggcgctcg ggcgacctt ggtcgcccg 60

cctcagtgag cgagcgagcg cgc 83

<210> 1129
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1129
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc ctttgggcgg 60
cctcagtgag cgagcgagcg cgc 83

<210> 1130
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1130
gcgcgctcgc tcgctcactg aggccgccaaggcgctcggg cgacctttgg tcgcccggcc 60
tcagtgagcg agcgagcgcg c 81

<210> 1131
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1131
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc tttggcggcc 60
tcagtgagcg agcgagcgcg c 81

<210> 1132
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1132
 gcgcgctcgc tcgctcactg aggccgcaaa gcgtcgggcg acctttggtc gcccggcctc 60
 agtgagcgag cgagcgcgc 79

<210> 1133
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1133
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgct ttgcggcctc 60
 agtgagcgag cgagcgcgc 79

<210> 1134
 <211> 81
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1134
 ctgcgcgctc gctcgctcac tgaggccgaa acgtcgggcg acctttggtc gcccggcctc 60
 agtgagcgag cgagcgcgca g 81

<210> 1135
 <211> 81
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1135
 ctgcgcgctc gctcgctcac tgaggccggg cgaccaaagg tcgcccgcac tttcggcctc 60
 agtgagcgag cgagcgcgca g 81

<210> 1136
 <211> 72
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1136
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcggc ctcagtgagc 60
 gagcgagcgc gc 72

 <210> 1137
 <211> 80
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1137
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgcc cgggcggcct 60
 cagtgagcga gcgagcgcgc 80

 <210> 1138
 <211> 79
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1138
 gcgcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggtc gcccggcctc 60
 agtgagcgag cgagcgcgc 79

 <210> 1139
 <211> 48
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1139
ggagtcaaag ttctgtttgc cctgatctgc atcgctgtgg ccgaggcc 48

<210> 1140
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1140
attcatacca acttgaagaa aaagttcagc ctcttcatcc tggcttttct cctgttcgca 60
gtcatctgtg tttggaagaa agggagcgac tatgaggcc 99

<210> 1141
<211> 588
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1141
gccccctctcc ctcccccccc cctaacttta ctggccgaag ccgcttgga taaggccggt 60
gtgcgtttgt ctatatgtta ttttccacca tattgccgtc ttttggcaat gtgagggccc 120
ggaaacctgg ccctgtcttc ttgacgagca ttcctagggg tctttcccct ctgcgcaaag 180
gaatgcaagg tctgttgaat gtcgtgaagg aagcagttcc tctggaagct tcttgaagac 240
aaacaacgtc tgtagcgacc ctttgcaggc agcggaaacc cccacctggc gacaggtgcc 300
tctgcggcca aaagccacgt gtataagata cacctgcaaa ggcggcaciaa ccccagtgcc 360
acgttgtagg ttggatagtt gtggaaagag tcaaatggct ctcctcaagc gtattcaaca 420
aggggctgaa ggatgcccag aaggtacccc attgtatggg atctgatctg gggcctcggg 480
gcacatgctt tacatgtgtt tagtcgaggt taaaaaacg tctaggcccc ccgaaccacg 540
gggacgtggt tttcctttga aaaacacgat gataatatgg ccacaacc 588

<210> 1142
<211> 31
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1142

gcccgggCGT cgggcGacct ttggtcGccc g 31

<210> 1143

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1143

gcccgggCGT cgggcGacct ttggtcGccc g 31

<210> 1144

<211> 2218

<212> DNA

<213> Homo sapiens

<400> 1144

caggGcagcc ttCagtctga ttCaggagaa cGaggTcctc ttCaccatgt gcttcatccc 60

cctGgtctgc tggatCgtgt gCactggact gaaacagcag atggagagtG gcaagagcct 120

tGcccagaca tccaagacct ccaccGcggt gtacgtcttc ttCctttcca gtttgctgca 180

gccccgggga gggagccagg agcacggcct ctgcGcccac ctctgggggc tctgctcttt 240

ggctgcagat ggaatctgga accagaaaat cctgtttgaa gagtccgacc tcaggaatca 300

tggactgcag aaggcggatg tgtctgcttt cctgaggatg aacctgttcc aaaaggaagt 360

ggactgcgag aagttctaca gcttcatcca catgactttc caggagtctt ttgccgccat 420

gtactacctg ctggaagagg aaaaggaagg aaggacgaac gttccaggga gtcgtttgaa 480

gcttcccagc cGagacgtga cagtccttct ggaaaactat ggcaaattcg aaaaggggta 540

tttgatTTTT gttgtacgtt tcctctttgg cctggtaaAC caggagagga cctcctactt 600

ggagaagaaa ttaagttgca tgatctctca gcaaatcagg ctggagctgc tgaaatggat 660

tgaagtgaAA gccaaagcta aaaagctgca tgatcagccc agccagctgg aattgttcta 720

ctgtttgtac gagatgcagg aggaggactt cgtgcaaagg gccatggact atttcccaa 780

gattgagatc aatctctcca ccagaatgga ccacatgggtt tcctcctttt gcattgagaa	840
ctgtcatcgg gtggagtcac tgtccctggg gtttctccat aacatgcca aggaggaaga	900
ggaggaggaa aaggaaggcc gacacctga tatggtgcag tgtgtcctcc caagctcctc	960
tcatgctgcc tgttctcatg gggtggggcg ctgtggcctc tcccatgagt gctgcttcga	1020
catctccttg gtcctcagca gcaaccagaa gctggtggag ctggacctga gtgacaacgc	1080
cctcggtgac ttcggaatca gacttctgtg tgtgggactg aagcacctgt tgtgcaatct	1140
gaagaagctc tggttggtga attctgcctt acgtcagtct gttgttcagc tttgtcctcg	1200
gtactcagca ctaatcagaa tctcacgcac ctttactgcg aggcaacact ctcggagaca	1260
agggatcaaa ctactctgtg agggactctt gcaccccgac tgcaagcttc aggtgttgga	1320
attagacaac tgcaacctca cgtcacactg ctgctgggat ctttccacac ttctgacctc	1380
cagccagagc ctgcgaaagc tgagcctggg caacaatgac ctgggcgacc tgggggtcat	1440
gatgttctgt gaagtgtga aacagcagag ctgcctcctg cagaacctgg gggtgtctga	1500
aatgtatttc aattatgaga caaaaagtgc gttagaaaca cttcaagaag aaaagcctga	1560
gctgaccgtc gtctttgagc cttcttggtg ggagtggaaa cggggctgcc agacgccagt	1620
gttctccggt ccctccagct gggggccctc aggtggagag agctgcgatc catccaggcc	1680
aagaccacag ctctgtgatc cttccggtgg agtgtcggag aagagagctt gccgacgatg	1740
ccttcctgtg cagagcttgg gcatctcctt tacgccaggg tgaggaagac accaggacaa	1800
tgacagcatc ggggtgttgtt gtcacacag cgcctcagtt agaggatgtt cctctggtga	1860
cctcatgtaa ttagctcatt caataaagca ctttctttat ttttctcttc tctgtctaac	1920
cttctttttc ctatcttttt ttcttctttg ttctgtttac ttttgctcat atcatcattc	1980
ccgctatctt tctattaact gaccataaca cagaactagt tgactatata ttatgttgaa	2040
attttatggc agctatttat ttatttaaatt tttttgtaat agttttgttt tctaataaga	2100
aaaatccatg cttttttag ctggttgaaa attcaggaat atgtaaaact ttttggtatt	2160
taattaaatt gattcctttt ctttaatttta aaaaaaaaaa aaaaaaaaaa aaaaaaaa	2218

<210> 1145

<211> 58

<212> DNA

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1145
 ccggccacag tgtaacctgc agaaactcga gtttctgcag gttacactgt ggTTTTTg 58

<210> 1146
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1146
 gcgcgctcgc tcgctc 16

<210> 1147
 <211> 518
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1147
 tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta 60
 ttggccattg catacgttgt atctatatca taatatgtac atttatattg gctcatgtcc 120
 aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg 180
 gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc 240
 gcctggctga ccgccaacg acccccgcc attgacgtca ataatgacgt atgttcccat 300
 agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc 360
 ccacttggca gtacatcaag tgtatcatat gccaaagtcg cccctattg acgtcaatga 420
 cggtaaattgg cccgcctggc attatgccca gtacatgacc ttacgggact ttctacttg 480
 gcagtacatc tacgtattag tcatcgctat taccatgg 518

<210> 1148
 <211> 777
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1148

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttcccatc tgtacaatgg aaatgataaa	420
gacgcccac tcataggggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttg tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatttttt	720
ctatTTTTga caggggacggg gtttcacat gttggtcagg ctggtctaga ggtaccg	777

<210> 1149

<211> 427

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1149

gagtcaatgg gaaaaacca ttggagccaa gtacactgac tcaataggga ctttccattg	60
ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc	120
caagtacatt gagtcaatag ggactttcca atgggttttg ccagttacat aagggtcaatg	180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgcccagta cataaggtca atagggtga atcaacagga aagtcccatt	300

ggagccaagt acactgagtc aatagggact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtgacta	427

<210> 1150
 <211> 83
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1150	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacacgcgtg gta	83

<210> 1151
 <211> 777
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1151	
aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccac tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggctcag	660

cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatTTTTT	720
ctatTTTTga cagggacggg gtttcacat gttggtcagg ctggtctaga ggtactg	777

<210> 1152
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1152	
gtttgctgct tgcaatgttt gccatttta gggaggacac aggacgctgt ggtttctgag	60
ccaggg	66

<210> 1153
 <211> 212
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1153	
ggaggggtgg agtcgtgacc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca	60
cacagccctc cctgcctgct gaccttgag ctggggcaga ggtcagagac ctctctgggc	120
ccatgccacc tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggt	180
gtcctggcgt ggttaggta gtgtgagagg gg	212

<210> 1154
 <211> 330
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1154	
aggctcagag gcacacagga gtttctgggc tcaccctgcc ccctccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc aactgaaca aacttcagcc	120
tactcatgtc ctaaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180

cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg ggtacccggg	330

<210> 1155
 <211> 194
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1155	
ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggg	194

<210> 1156
 <211> 240
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1156	
gggcctgaaa taacctctga aagaggaact tggttaggta ctttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttaggggtg ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240

<210> 1157
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1157
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cac 73

<210> 1158
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1158
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60
tgtttgctct ggtaataat ctcaggagca caaacattcc 100

<210> 1159
<211> 296
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1159
gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgcccaatg 60
atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat 120
gggtggagta tttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag 180
tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg cccagtacat 240
gaccttatgg gactttccta cttggcagta catctatgta ttagtcattg ctatta 296

<210> 1160
<211> 235
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1160
ggcctgaaat aacctctgaa agaggaactt ggtaggttac cttctgaggc ggaaagaacc 60

agctgtggaa tgtgtgtcag ttaggggtgtg gaaagtcccc aggctcccca gcaggcagaa	120
gtatgcaaag catgcatctc aattagtcag caaccagggtg tggaaagtcc ccaggctccc	180
cagcaggcag aagtatgcaa agcatgcatc tcaattagtc agcaaccata gtccc	235

<210> 1161
 <211> 1127
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1161	
ggagtgcgtg cgacgctgcc ttgccccgt gccccgctcc gccgccgcct cgcgccgccc	60
gccccggctc tgactgaccg cgttactccc acaggtgagc gggcgggacg gcccttctcc	120
tccgggctgt aattagcgtc tggtttaatg acggcttggt tcttttctgt ggctgcgtga	180
aagccttgag gggctccggg agggcccttt gtgcgggggg gagcggctcg gggggtgcgt	240
gcgtgtgtgt gtgcgtgggg agcgccgcgt gcggcccgcg ctgccggcg gctgtgagcg	300
ctgcgggcgc ggcgcggggc tttgtgcgct ccgcagtgtg cgcgagggga gcgcggccgg	360
gggcggtgcc ccgcggtgcg gggggggctg cgaggggaac aaaggctgcg tgcggggtgt	420
gtgcgtgggg gggtagcag ggggtgtggg cgcggcggtc gggctgtaac cccccctgc	480
acccccctcc ccgagttgct gagcacggcc cggcttcggg tgcggggctc cgtacggggc	540
gtggcgcggg gctcgccgtg ccgggcgggg ggtggcgcca ggtgggggtg ccgggcgggg	600
cggggccgcc tcgggcccgg gagggctcgg gggaggggag cggcgggccc cggagcgccg	660
gcggctgtcg aggcgcggcg agccgcagcc attgcctttt atggtaatcg tgcgagaggg	720
cgcagggact tcctttgtcc caaatctgtg cggagccgaa atctgggagg cgccgccgca	780
ccccctctag cgggcgcggg gcgaagcggg gcggcgccgg caggaaggaa atgggcgggg	840
agggccttcg tgcgtcgccg cgccgccgtc cccttctccc tctccagcct cggggctgtc	900
cgcgggggga cggctgcctt cgggggggac ggggcagggc ggggttcggc ttctggcgtg	960
tgaccggcgg ctctagagcc tctgctaacc atgttttagc cttcttcttt ttcttacagc	1020
tcctgggcaa cgtgctgggt attgtgctgt ctcatcattt gtcgacagaa ttctcgaag	1080

atccgaaggg gttcaagctt ggcattccgg tactgttggt aaagcca 1127

<210> 1162
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1162
 ctctaaggta aatataaaat ttttaagtgt ataatgtgtt aaactactga ttctaattgt 60
 ttctctcttt tagattccaa cctttggaac tga 93

<210> 1163
 <211> 54
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1163
 gccctgtctc ctgagcttca ggcaccacca ctgacctggg acagtgaatc cgga 54

<210> 1164
 <211> 173
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1164
 ctgccttctc cctcctgtga gtttggtgtaag tcactgactg tctatgcctg ggaaagggtg 60
 ggaggagat ggggcagtc aggaaaagtgc gcactatgaa ccctgcagcc ctagacaatt 120
 gtactaacct tcttctcttt cctctcctga caggttggtg tacagtagct tcc 173

<210> 1165
 <211> 91
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1165

aagaggtaag ggtttaaggg atggttgggtt ggtgggggtat taatgtttaa ttacctggag 60

cacctgcctg aaatcacttt ttttcaggtt g 91

<210> 1166

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1166

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaata atta 54

<210> 1167

<211> 147

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1167

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60

ggtaaatata aaattttttaa gtgtataatg tggttaaacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactga 147

<210> 1168

<211> 147

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1168

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaata attactctaa 60

ggtaaatata aaattttttaa gtgtataatg tggttaaacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactga 147

<210> 1169
 <211> 48
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1169
 tcctcagctt caggcaccac cactgacctg ggacagtga tgcgccacc 48

 <210> 1170
 <211> 128
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

 <400> 1170
 gctagcaggt aagtgccgtg tgtggttccc gcgggcctgg cctctttacg ggttatggcc 60
 cttgcgtgcc ttgaattact gacactgaca tccacttttt ctttttctcc acaggtttaa 120
 acgccacc 128

 <210> 1171
 <211> 98
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 1171
 aagaggtaag ggtttaagtt atcgtagtt cgtgcacat taatgtttta ttacctggag 60
 cacctgcctg aaatcatttt tttttcaggt tggctagt 98

 <210> 1172
 <211> 172
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 1172
gcttagtgct gagcacatcc agtgggtaaa gttccttaaa atgctctgca aagaaattgg 60
gacttttcat taaatcagaa attttacttt tttcccctcc tgggagctaa agatatttta 120
gagaagaatt aaccttttgc ttctccagtt gaacatttgt agcaataagt ca 172

<210> 1173
<211> 160
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1173
gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60
ggtaaatata aaatttttaa gtgtataatg tggttaaacta ctgattctaa ttgtttctct 120
cttttagatt ccaacctttg gaactgaatt ctagaccacc 160

<210> 1174
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1174
accactttca caatctgcta gcaaagggtt 29

<210> 1175
<211> 133
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 1175
gtaagtatca aggttacaag acaggtttta ggagaccaat agaaactggg cttgtcgaga 60
cagagaagac tcttgcgttt ctgataggca cctattggtc ttactgacat ccactttgccc 120

tttctctcca cag 133

<210> 1176
<211> 341
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1176
tgggcaggaa ctgggcactg tgcccagggc atgcactgcc tccacgcagc aaccctcaga 60
gtcctgagct gaaccaagaa ggaggagggg gtcgggcctc cgaggaaggc ctagccgctg 120
ctgctgccag gaattccagg ttggaggggc ggcaacctcc tgccagcctt caggccactc 180
tcctgtgcct gccagaagag acagagcttg aggagagctt gaggagagca ggaaagcctc 240
ccccgttgcc cctctggatc cactgcttaa atacggacga ggacagggcc ctgtctcctc 300
agcttcaggc accaccactg acctgggaca gtgaatcgac a 341

<210> 1177
<211> 316
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1177
tctagagaag ctttattgcg gtagtttatc acagttaaatt tgctaacgca gtcagtgcctt 60
ctgacacaac agtctcgaac ttaagctgca gtgactctct taaggtagcc ttgcagaagt 120
tggtcgtgag gcactgggca ggtaagtatc aaggttacia gacaggttta aggagaccaa 180
tagaaactgg gcttgtcgag acagagaaga ctcttgcgtt tctgataggc acctattggt 240
cttactgaca tccactttgc ctttctctcc acaggtgtcc actcccagtt caattacagc 300
tcttaaggcc ctgcag 316

<210> 1178
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1178
 caaagtccag gccctctgc tgcagcgccc gcgcgtccag aggcctgcc agacacgcgc 60
 gaggttcgag gctgag 76

<210> 1179
 <211> 127
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1179
 agaatgatga aaaccgaggt tggaaaaggt tgtgaaacct tttaactctc cacagtggag 60
 tccattattt cctctggctt cctcaaattc atattcacag ggtcgttggc tgtgggttgc 120
 aattacc 127

<210> 1180
 <211> 80
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1180
 atagcagagc aatcaccacc aagcctggaa taactgcaag ggctctgctg acatcttcct 60
 gaggtgccaa ggaaatgagg 80

<210> 1181
 <211> 208
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1181
 gggtcaccac cacctccaca gcacagacag acactcagga gccagccagc caggttaagtt 60

tagtcttttt gtctttttatt tcaggtcccg gatccggtgg tgggtgcaaat caaagaactg	120
ctcctcagtg gatgttgccct ttactttctag gcctgtacgg aagtgttact tctgctctaa	180
aagctgcgga attgtacccg cggccgcg	208

<210> 1182
 <211> 159
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1182	
aagcttctgc cttctccctc ctgtgagttt ggtaagtcac tgactgtcta tgcctgggaa	60
agggtgggca ggagatgggg cagtcgagga aaagtggcac tatgaaccct gcagccctag	120
acaattgtac taaccttctt ctctttcctc tcctgacag	159

<210> 1183
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1183	
cgcgcctagc agtgtcccag ccgggttcgt gtcgcc	36

<210> 1184
 <211> 141
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1184	
acgccgcctg ggtcccagtc cccgtcccat cccccggcgg cctaggcagc gtttccagcc	60
ccgagaactt tgttcttttt gtcccgcccc ctgcgccc aa ccgcctgcgc cgccttcgg	120
cccagttct ggagactcaa c	141

<210> 1185
 <211> 110
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1185
 gttggatgaa accttcctcc tactgcacag cccgcccccc tacagccccg gtccccacgc 60
 ctagaagaca gcggaactaa gaaaagaaga ggcctgtgga cagaacaatc 110

 <210> 1186
 <211> 164
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1186
 ggtggggcgg gggtgagtcg gaaccacaat agccaggcga agaaactaca actcccaggg 60
 cgtcccggag caggccaacg ggactacggg aagcagcggg cagcggcccc cgggaggcac 120
 ctcggagatc tgggtgcaaa agcccagggt taggaaccgt aggc 164

 <210> 1187
 <211> 127
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1187
 ggccaccgga attaaccctt cagggtctggg ggccgcgcta tgccccgccc cctccccagc 60
 cccagacacg gaccccgag gagatgggtg ccccatccg cacactgtcc tttggccacc 120
 ggacatc 127

 <210> 1188
 <211> 341
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1188

tgggcaggaa ctgggcactg tgcccagggc atgcactgcc tccacgcagc aaccctcaga	60
gtcctgagct gaaccaagaa ggaggagggg gtcgggcctc cgaggaaggc ctagccgctg	120
ctgctgccag gaattccagg ttggaggggc ggcaacctcc tgccagcctt caggccactc	180
tcctgtgcct gccagaagag acagagcttg aggagagctt gaggagagca ggaaagcctc	240
ccccgttgcc cctctggatt cactgcttaa atacggacga ggacagggcc ctgtctcctc	300
agcttcaggc accaccactg acctgggaca gtgaatcgac a	341

<210> 1189

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1189

tccataaagt aggaaacact acacgattcc ataaagtagg aaacactaca tcactccata	60
aagtaggaaa cactaca	77

<210> 1190

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1190

tgaaagatgg atttccaagg ttaattcatt ggaattgaaa attaacagag atctagagct	60
gaattcctgc agccaggggg atcagcct	88

<210> 1191

<211> 395

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1191

taaaatacag catagcaaaa ctttaacctc caaatcaagc ctctacttga atccttttct	60
gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag	120
cctcaccttc tttcatggag ttttaagatat agtgtatttt cccaaggttt gaactagctc	180
ttcattttctt tatgttttaa atgcactgac ctcccacatt cccttttttag taaaatattc	240
agaaataatt taaatacatc attgcaatga aaataaatgt tttttattag gcagaatcca	300
gatgctcaag gcccttcata atatcccca gtttagtagt tggacttagg gaacaaagga	360
acctttaata gaaattggac agcaagaaag cgagc	395

<210> 1192

<211> 800

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1192

agtcaatatg ttcaccccaa aaaagctgtt tgттаacttg ccaacctcat tctaaaatgt	60
atatagaagc ccaaaagaca ataacaaaaa tattcttgta gaacaaaatg ggaaagaatg	120
ttccactaaa tatcaagatt tagagcaaag catgagatgt gtggggatag acagtgaggc	180
tgataaaata gagtagagct cagaaacaga ccattgata tatgtaagtg acctatgaaa	240
aaaatatggc attttacaat gggaaaatga tggctttttt cttttttaga aaaacaggga	300
aatatattta tatgtaaaaa ataaaaggga acccatatgt cataccatac acacaaaaaa	360
attccagtga attataagtc taaatggaga aggcaaaact ttaaatcttt tagaaaataa	420
tatagaagca tgccatcaag acttcagtgt agagaaaaat ttcttatgac tcaaagtcct	480
aaccacaaaag aaaagattgt taattagatt gcatgaatat taagacttat ttttaaaatt	540
aaaaaaccat taagaaaagt caggccatag aatgacagaa aatatttgca acaccccagt	600
aaagagaatt gtaatatgca gattataaaa agaagtctta caaatcagta aaaaataaaa	660
ctagacaaaa atttgaacag atgaaagaga aactctaaat aatcattaca catgagaac	720
tcaatctcag aaatcagaga actatcattg catatacact aaattagaga aatattaaaa	780

ggctaagtaa catctgtggc 800

<210> 1193
 <211> 407
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1193
 aattatctct aaggcatgtg aactggctgt cttggttttc atctgtactt catctgctac 60
 ctctgtgacc tgaaacatat ttataattcc attagctgt gcatatgata gatttatcat 120
 atgtattttc cttaaaggat ttttgtaaga actaattgaa ttgataacctg taaagtcttt 180
 atcacactac ccaataaata ataaatctct ttgttcagct ctctgtttct ataaatatgt 240
 accagtttta ttgttttttag tggtagtgat tttattctct ttctatatat atacacacac 300
 atgtgtgcat tcataaatat atacaatttt tatgaataaa aaattattag caatcaatat 360
 tgaaaaccac tgatttttgt ttatgtgagc aaacagcaga ttaaaag 407

<210> 1194
 <211> 186
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1194
 catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa 60
 aagcttattc atctgttttt ctttttcggt ggtgtaaagc caacaccctg tctaaaaaac 120
 ataaatttct ttaatcattt tgcctctttt ctctgtgctt caattaataa aaaatggaaa 180
 gaatct 186

<210> 1195
 <211> 395
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1195

taaaatacag catagcaaaa ctttaacctc caaatcaagc ctctacttga atccttttct	60
gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag	120
cctcaccttc tttcatggag ttttaagatat agtgtatttt cccaagggtt gaactagctc	180
ttcattttctt tatgttttaa atgcactgac ctcccacatt cccttttttag taaaatattc	240
agaaataatt taaatacatc attgcaatga aaataaatgt tttttattag gcagaatcca	300
gatgctcaag gcccttcata atatcccca gtttagtagt tggacttagg gaacaaagga	360
acctttaata gaaattggac agcaagaaag ccagc	395

<210> 1196

<211> 580

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1196

gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat	60
ttaaatgtta ataaaacaaa atggtggggc aatcatttac atttttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattctt	240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctggtt gctgtctctt	360
ttagaggagt tgtggcccggt tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaacccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtgggtgttg	580

<210> 1197

<211> 64

<212> DNA

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1197
 cctcgccccg gacctgccct cccgccaggt gcacccacct gcaataaatg cagcgaagcc 60
 ggga 64

<210> 1198
 <211> 247
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1198
 gataatcaac ctctggatta caaaatttgt gaaagattga ctggtattct taactatggt 60
 gctcctttta cgctatgtgg atacgctgct ttaatgcctt tgtatcatgc tattgcttcc 120
 cgtatggctt tcattttctc ctcttgtat aaatcctggt tagttcttgc cacggcggaa 180
 ctcatcgccg cctgccttgc ccgctgctgg acaggggctc ggctgttggg cactgacaat 240
 tccgtgg 247

<210> 1199
 <211> 144
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 polynucleotide

<400> 1199
 aaatacatca ttgcaatgaa aataaatggt ttttattagg cagaatccag atgctcaagg 60
 cccttcataa tatccccag tttagtagtt ggacttaggg aacaaaggaa cttttaatag 120
 aaattggaca gcaagaaagc gagc 144

<210> 1200
 <211> 62
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1200
 gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat 60
 tt 62

<210> 1201
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1201
 aataaaagat ctttatcttc attagatctg tgtgttggtt ttttgtgtg 49

<210> 1202
 <211> 54
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1202
 gcggccgcaa taaaagatca gagctctaga gatctgtgtg ttggtttttt gtgt 54

<210> 1203
 <211> 74
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 1203
 ggatccaata aaatatcttt attttcatta catctgtgtg ttggtttttt gtgtgttttc 60
 ctgtaacgat cggg 74

<210> 1204
 <211> 143
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1204

ctcgatgctt tatttgtgaa atttgtgatg ctattgcttt atttctaacc attataagct 60

gcaataaaca agttaacaac aacaattgca ttcattttat gtttcagggt cagggggagg 120

tgtgggagggt tttttaaaact agt 143

<210> 1205

<211> 228

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1205

ctactgtgcc ttctagtgc cagccatctg ttgtttgccc ctcccccttg ccttccttga 60

ccctggaagg tgccactccc actgtccttt cctaataaaa tgaggaaatt gcatcacatt 120

gtctgagtag gtgtcattct attctggggg gtgggggtggg gcaggacagc aagggggagg 180

attgggaaga caatagcagg catgctgggg atgcagtggg ctctatgg 228

<210> 1206

<211> 222

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1206

cagacatgat aagatacatt gatgagtttg gacaaaccac aactagaatg cagtgaaaaa 60

aatgctttat ttgtgaaatt tgtgatgcta ttgctttatt tgtaaccatt ataagctgca 120

ataaacaagt taacaacaac aattgcattc attttatgtt tcaggttcag ggggagatgt 180

gggagggtttt ttaaagcaag taaaacctct acaaattgtg ta 222

<210> 1207

<211> 226

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1207

ccagacatga taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa	60
aaatgcttta tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc	120
aataaacaag ttaacaacaa caattgcatt ctttttatgt ttcaggttca gggggaggtg	180
tgggaggttt tttaaagcaa gtaaaacctc tacaaatgtg gatatg	226

<210> 1208

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1208

gttaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	60
aaaaaaaaaa tgcattcccc cccccccccc cccccccccc ccccccaaag gctcttttca	120
gagccacca	129

<210> 1209

<211> 232

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1209

gcggccgcgg ggatccagac atgataagat acattgatga gtttggacaa accacaacta	60
gaatgcagtg aaaaaaatgc tttattttgtg aaatttgtga tgctattgct ttatttgtaa	120
ccattataag ctgcaataaa caagttaaca acaacaattg cattcatttt atgtttcagg	180
ttcaggggga ggtgtgggag gtttttttagt cgacctgct ggggagagat ct	232

<210> 1210

<211> 135
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1210
 gatccagaca tgataagata cattgatgag tttggacaaa ccacaactag aatgcagtga 60
 aaaaaatgct ttatttgtga aatttgtgat gctattgctt tatttgtaac cattataagc 120
 tgcaataaac aagtt 135

 <210> 1211
 <211> 49
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

 <400> 1211
 cggcaataaa aagacagaat aaaacgcacg ggtgttgggt cgtttgttc 49

 <210> 1212
 <211> 226
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

 <400> 1212
 ccataccaca tttgtagagg ttttacttgc tttaaaaaac ctcccacacc tccccctgaa 60
 cctgaaacat aaaatgaatg caattgttgt tgттаacttg tttattgcag cttataatgg 120
 ttacaaataa agcaatagca tcacaaattt cacaataaaa gcattttttt cactgcattc 180
 tagttgtggt ttgtccaaac tcatcaatgt atcttatcat gtctgg 226

 <210> 1213
 <211> 416
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1213

catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa	60
aagcttattc atctgttttt ctttttcgtt ggtgtaaagc caacaccctg tctaaaaaac	120
ataaatttct ttaatcattt tgcctctttt ctctgtgctt caattaataa aaaatggaaa	180
gaatctaata gagtgggtaca gcactgttat ttttcaaaga tgtgttgcta tcctgaaaat	240
tctgtaggtt ctgtggaagt tccagtgttc tctcttattc cacttcggta gaggatttct	300
agtttcttgt gggctaatta aataaatcat taatactctt ctaagttatg gattataaac	360
attcaaaata atattttgac attatgataa ttctgaataa agaacaaaaa accatg	416

<210> 1214

<211> 415

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1214

atcacattta aaagcatctc agcctaccat gagaataaga gaaagaaaat gaagatcaaa	60
agcttattca tctgtttttt tttttcgttg gtgtaaagcc aacaccctgt ctaaaaaaca	120
taaatttctt taatcatttt gcctcttttc tctgtgcttc aattaataaa aaatggaaag	180
aatctaatag agtgggtacag cactgttatt tttcaaagat gtgttgctat cctgaaaatt	240
ctgtaggttc tgtggaagtt ccagtgttct ctcttattcc acttcggtag aggatttcta	300
gtttcttgtg ggctaattaa ataaatcatt aatactcttc taagttatgg attataaaca	360
ttcaaaataa tattttgaca ttatgataat tctgaataaa agaacaaaaa ccatg	415

<210> 1215

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1215

taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta	60
tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag	120
tt	122

<210> 1216
 <211> 133
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1216	
tgctttatatt gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat	60
aaacaagtta acaacaacaa ttgcattcat tttatgtttc aggttcaggg ggaggtgtgg	120
gaggtttttt aaa	133

<210> 1217
 <211> 64
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 1217	
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	60
aaaaa	64

<210> 1218
 <211> 4
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