

SEQUENCE LISTING

<110> GENERATION BIO CO.

<120> NON-ACTIVE LIPID NANOPARTICLES WITH NON-VIRAL, CAPSID FREE DNA

<130> 131698-05020

<140>

<141>

<150> 62/857,557

<151> 2019-06-05

<150> 62/814,460

<151> 2019-03-06

<160> 601

<170> PatentIn version 3.5

<210> 1

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 1

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ccgggcgacc aaaggtcgcc cgacgcccg gctttgccg ggccggcctca gtgagcgagc 120

gagcgcgcag ctgcctgcag g 141

<210> 2

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 2

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgctc 60

gggcgacctt tggtcgcccgc gcctcagtga gcgagcgagc ggcgagagag ggagtggcca 120
actccatcac taggggttcc t 141

<210> 3
<211> 130
<212> DNA
<213> Artificial Sequence

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

<400> 3
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccgc gggcctcag tgagcgagcg agcgcgagc 120
tgcctgcagg 130

<210> 4
<211> 130
<212> DNA
<213> Artificial Sequence

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

<400> 4
cctgcaggca gctgcgcgt cgctcgctca ctgaggccgc ccgggcgctg ggcgaccttt 60
ggtcgcccgc cctcagttag cgagcgagcg cgagagagg gaggggccaa ctccatcact 120
aggggttcct 130

<210> 5
<211> 143
<212> DNA
<213> Artificial Sequence

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

<400> 5
ttgcccactc cctctctgcg cgctcgctcg ctgggtgggg cctgcggacc aaaggtccgc 60

agacggcaga ggtctcctct gccggcccca ccgagcgagc gacgcgcgca gagagggagt	120
gggcaactcc atcactaggg taa	143

<210> 6
 <211> 144
 <212> DNA
 <213> Artificial Sequence

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

<400> 6	
ttggccactc cctctatgcg cactcgctcg ctcggtgggg cctggcgacc aaaggtcgcc	60
agacggacgt gggtttcac gtccggcccc accgagcgag cgagtgcgca tagagggagt	120
ggccaactcc atcactagag gtat	144

<210> 7
 <211> 127
 <212> DNA
 <213> Artificial Sequence

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

<400> 7	
ttggccactc cctctatgcg cgctcgctca ctactcggc cctggagacc aaaggtctcc	60
agactgccgg cctctggccg gcagggccga gtgagtgagc gagcgcgcat agagggagtg	120
gccaact	127

<210> 8
 <211> 166
 <212> DNA
 <213> Artificial Sequence

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

<400> 8

tccccctgt cgcgttcgct cgctcgctgg ctcgtttggg ggggcgacgg ccagagggcc	60
gtcgtctggc agctctttga gctgccaccc ccccaaacga gccagcgagc gagcgaacgc	120
gacagggggg agagtgcac actctcaagc aaggggggtt tgtaag	166

<210> 9
 <211> 144
 <212> DNA
 <213> Artificial Sequence

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

<400> 9	
ttgcccactc cctctaattgc gcgctcgctc gctcggtggg gcctgcggac caaaggtccg	60
cagacggcag aggtctcctc tgccggcccc accgagcgag cgagcgcgca tagagggagt	120
gggcaactcc atcactaggg gtat	144

<210> 10
 <211> 143
 <212> DNA
 <213> Artificial Sequence

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

<400> 10	
ttaccctagt gatggagttg cccactccct ctctgcgcgc gtcgctcgct cggtggggcc	60
ggcagaggag acctctgccg tctgcggacc tttggtccgc aggccccacc gagcgagcga	120
gcgcgcagag agggagtggg caa	143

<210> 11
 <211> 144
 <212> DNA
 <213> Artificial Sequence

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

<400> 11
 atacctctag tgatggagtt ggccactccc tctatgcgca ctgctcgct cggtaggggcc 60
 ggacgtggaa acccacgtcc gtctggcgac ctttggtcgc caggccccac cgagcgagcg 120
 agtgcgcata gagggagtgg ccaa 144

<210> 12
 <211> 127
 <212> DNA
 <213> Artificial Sequence

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

<400> 12
 agttggccac attagctatg cgcgctcgct cactcactcg gccctggaga ccaaaggtct 60
 ccagactgcc ggcctctggc cggcagggcc gagtgagtga gcgagcgcg atagagggag 120
 tggccaa 127

<210> 13
 <211> 166
 <212> DNA
 <213> Artificial Sequence

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

<400> 13
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 gctggctcgt ttgggggggt ggcagctcaa agagctgcca gacgacggcc ctctggccgt 120
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<210> 14
 <211> 144
 <212> DNA
 <213> Artificial Sequence

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

<400> 14
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 ggagaggag acctctgccg tctgcggacc ttggtccgc agggcccacc gagcgagcga 120
 gcgcgcatta gagggagtgg gcaa 144

<210> 15
 <211> 120
 <212> DNA
 <213> Artificial Sequence

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

<400> 15
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 cgcagcccc gggtttcccg gcggcctcag tgagcgagcg agcgcgagc tgcctgcagg 120

<210> 16
 <211> 122
 <212> DNA
 <213> Artificial Sequence

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

<400> 16
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 ccgagcccc ggctttgccc gggcggcctc agtgagcgag cgagcgcgca gctgcctgca 120
 gg 122

<210> 17
 <211> 129
 <212> DNA
 <213> Artificial Sequence

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

<400> 17
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacgcccg ggcctcagt gagcgagcga gcgcgcagct 120
 gcctgcagg 129

<210> 18
 <211> 101
 <212> DNA
 <213> Artificial Sequence

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

<400> 18
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ctttgccctca gtgagcgagc gagcgcgag ctgcctgcag g 101

<210> 19
 <211> 139
 <212> DNA
 <213> Artificial Sequence

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

<400> 19
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgaca aagtcgccc acgcccgggc ttgcccggg cggcctcagt gagcgagcga 120
 gcgcgcagct gcctgcagg 139

<210> 20
 <211> 137
 <212> DNA
 <213> Artificial Sequence

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

<400> 20

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ccgggcgaaa atcgcccgac gcccgggcctt tgcccgggcg gcctcagtga gcgagcgagc	120
gcgcagctgc ctgcagg	137

<210> 21
 <211> 135
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<400> 21	
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ccgggcgaaa cgcccgacgc ccgggctttg cccgggcggc ctactgagc gagcgagcgc	120
gcagctgcct gcagg	135

<210> 22
 <211> 133
 <212> DNA
 <213> Artificial Sequence

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

<400> 22	
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ccgggcaaag cccgacgccc gggctttgcc cgggcggcct cagtgagcga gcgagcgcg	120
agctgcctgc agg	133

<210> 23
 <211> 139
 <212> DNA
 <213> Artificial Sequence

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

<400> 23
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacgcccg gtttcccggg cggcctcagt gagcgagcga 120
 gcgcgcagct gcctgcagg 139

<210> 24
 <211> 137
 <212> DNA
 <213> Artificial Sequence

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

<400> 24
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 ccgggcgacc aaaggtcgcc cgacgcccg tttccgggcg gcctcagtga gcgagcgagc 120
 gcgcagctgc ctgcagg 137

<210> 25
 <211> 135
 <212> DNA
 <213> Artificial Sequence

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

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 ccgggcgacc aaaggtcgcc cgacgcccg ttcgggcggc ctactgagc gagcgagcgc 120
 gcagctgcct gcagg 135

<210> 26
 <211> 133
 <212> DNA
 <213> Artificial Sequence

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

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 ccgggcgacc aaaggtcgcc cgacgccctt tgggcggcct cagtgagcga gcgagcgcg 120
 agctgcctgc agg 133

<210> 27
 <211> 131
 <212> DNA
 <213> Artificial Sequence

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

<400> 27
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 ccgggcgacc aaaggtcgcc cgacgccctt ggcgccctca gtgagcgagc gagcgcgag 120
 ctgcctgcag g 131

<210> 28
 <211> 129
 <212> DNA
 <213> Artificial Sequence

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

<400> 28
 aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
 ccgggcgacc aaaggtcgcc cgacgctttg cggcctcagt gagcgagcga gcgcgagct 120
 gcctgcagg 129

<210> 29
 <211> 127
 <212> DNA
 <213> Artificial Sequence

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

polynucleotide

<400> 29

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcaactgagg 60

ccgggcgacc aaaggtcgcc cgacgtttcg gcctcagtga gcgagcgagc gcgcagctgc 120

ctgcagg 127

<210> 30

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 30

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcaactgagg 60

ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120

gg 122

<210> 31

<211> 130

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 31

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcaactgagg 60

ccgggcgacc aaaggtcgcc cgacgcccgg gcggcctcag tgagcgagcg agcgcgcagc 120

tgccctgcagg 130

<210> 32

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 32

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtgcg 60

cctcagttag cgagcgagcg cgagagagg gaggggccaa ctccatcact aggggttcct 120

<210> 33

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 33

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgt cgggcgacct ttggtcgccc 60

ggcctcagtg agcgagcgag cgcgagaga gggagtggcc aactccatca ctaggggttc 120

ct 122

<210> 34

<211> 122

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 34

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60

ggcctcagtg agcgagcgag cgcgagaga gggagtggcc aactccatca ctaggggttc 120

ct 122

<210> 35

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 35

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gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120

ggggttcct 129

<210> 36

<211> 101

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 36

cctgcaggca gctgcgcgct cgctcgctca ctgaggcaaa gcctcagtga gcgagcgagc 60

gcgcagagag ggagtggcca actccatcac taggggttcc t 101

<210> 37

<211> 139

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 37

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60

gggcgacttt gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac 120

tccatcacta ggggttcct 139

<210> 38

<211> 137

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 38
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gggcgatttt cgcccggcct cagtgagcga gcgagcgcg agagagggag tggccaactc 120
catcactagg ggttcct 137

<210> 39
<211> 135
<212> DNA
<213> Artificial Sequence

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

<400> 39
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcgttttcg cccggcctca gtgagcgagc gagcgcgag agagggagtg gccaaactcca 120
tcactagggg ttcct 135

<210> 40
<211> 133
<212> DNA
<213> Artificial Sequence

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

<400> 40
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcttttgcc cggcctcagt gagcgagcga gcgcgagag agggagtggc caactccatc 120
actaggggtt cct 133

<210> 41
<211> 139
<212> DNA
<213> Artificial Sequence

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

polynucleotide

<400> 41

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtcgg 60

gcgacctttg gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac 120

tccatcacta ggggttcct 139

<210> 42

<211> 137

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 42

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccggaaaccg ggcgtcgggc 60

gacctttggt cgcccgccct cagtgagcga gcgagcgcgc agagagggag tggccaactc 120

catcactagg gggttcct 137

<210> 43

<211> 135

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 43

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgaaacggg cgtcgggcga 60

cctttggtcg cccggcctca gtgagcgagc gagcgcgcag agagggagtg gccaaactcca 120

tcactagggg ttcct 135

<210> 44

<211> 133

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 44

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccaaagggcg tcgggcgacc 60

tttggtcgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120

actaggggtt cct 133

<210> 45

<211> 131

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 45

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc caaaggcgtc gggcgacctt 60

tggtcgcccc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca actccatcac 120

taggggttcc t 131

<210> 46

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 46

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc aaagcgtcgg gcgacctttg 60

gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120

ggggttcct 129

<210> 47

<211> 127

<212> DNA

<213> Artificial Sequence

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

<400> 47
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 cgccccggcct cagtgcgcga gcgagcgcgc agagagggag tggccaactc catcactagg 120
 ggttcct 127

<210> 48
 <211> 122
 <212> DNA
 <213> Artificial Sequence

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

<400> 48
 aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
 ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
 gg 122

<210> 49
 <211> 12
 <212> DNA
 <213> Artificial Sequence

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

<400> 49
 cgatcgttcg at 12

<210> 50
 <211> 12
 <212> DNA
 <213> Artificial Sequence

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

<400> 50
atcgaaccat cg 12

<210> 51
<211> 12
<212> DNA
<213> Artificial Sequence

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

<400> 51
atcgaacgat cg 12

<210> 52
<211> 165
<212> DNA
<213> Artificial Sequence

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

<400> 52
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgcccgggc aaagcccggg cgtcgggcga cctttggtcg cccggcctca gtgagcgagc 120
gagcgcgcag agaggggagtg gccaaactcca tcactagggg ttcct 165

<210> 53
<211> 140
<212> DNA
<213> Artificial Sequence

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

<400> 53
cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgctcac tgaggccgcc 60
cgggcaaagc ccgggcgtcg ggcgaccttt ggctgcccgg cctcagtgag cgagcgagcg 120
cgcagagaga tcactagggg 140

<210> 54
<211> 91
<212> DNA
<213> Artificial Sequence

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

<400> 54
gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg cgacctttgg 60
tcgcccggcc tcagtgagcg agcgagcgcg c 91

<210> 55
<211> 91
<212> DNA
<213> Artificial Sequence

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

<400> 55
gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgcc cgggctttgc 60
ccgggaggcc tcagtgagcg agcgagcgcg c 91

<210> 56
<211> 1662
<212> DNA
<213> Artificial Sequence

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

<400> 56
gccgccacca tggaagacgc caaaaacata aagaaaggcc cggcgccatt ctatccgctg 60
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atgggcattt cgcagcctac cgtgggtgttc gtttccaaaa aggggttgca aaaaattttg	420
aacgtgcaaa aaaagctccc aatcatccaa aaaattatta tcatggattc taaaacggat	480
taccagggat ttcagtcgat gtacacgttc gtcacatctc atctacctcc cggttttaat	540
gaatacagatt ttgtgccaga gtccttcgat agggacaaga caattgcact gatcatgaac	600
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ttaagtgttg ttccattcca tcacggTTTT ggaatgttta ctacactcgg atatttgata	780
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ctacattctg gagacatagc ttactgggac gaagacgaac acttcttcat cgttgaccgc	1320
ctgaagtctc tgattaagta caaaggctat cagggtggctc ccgctgaatt ggaatccatc	1380
ttgctccaac accccaacat cttcgacgca ggtgtcgcag gtcttcccga cgatgacgcc	1440
ggtgaacttc ccgccgccgt tgttgttttg gagcacggaa agacgatgac ggaaaaagag	1500
atcgtggatt acgtgccag tcaagtaaca accgcgaaaa agttgcgcgg aggagttgtg	1560
tttgtggacg aagtaccgaa aggtcttacc ggaaaactcg acgcaagaaa aatcagagag	1620
atcctcataa aggccaagaa gggcggaag atcgccgtgt aa	1662

<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> 57
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

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> 59

<211> 1310

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 59

ggagccgaga gtaattcata caaaaggagg gatcgcttc gcaaggggag agcccaggga	60
ccgtccctaa attctcacag acccaaatcc ctgtagccgc cccacgacag cgcgaggagc	120
atgcgctcag ggctgagcgc ggggagagca gagcacacaa gctcatagac cctggtcgtg	180
ggggggagga ccggggagct ggcgcggggc aaactgggaa agcgggtgtcg tgtgctggct	240
ccgccctctt cccgaggggtg ggggagaacg gtatataagt gcggcagtcg ccttggacgt	300
tctttttcgc aacgggtttg ccgtcagaac gcaggtgagg ggcggggtgtg gcttccgcgg	360
gccgccgagc tggaggctct gctccgagcg ggccggggccc cgctgtcgtc ggcggggatt	420
agctgcgagc attcccgctt cgagttgcgg gcggcgcggg aggcagagtg cgaggcctag	480
cggcaacccc gtagcctcgc ctctgtgtccg gcttgaggcc tagcgtgggtg tccgcgccgc	540
cgccgcgtgc tactccggcc gcactctggt cttttttttt tttgtttgtt ttgccctgct	600
gccttcgatt gccgttcagc aataggggct aacaaaggga ggggtgcgggg cttgctcgcc	660
cggagcccgg agaggtcatg gttggggagg aatggaggga caggagtggc ggctggggcc	720
cgcccgctt cggagcacat gtccgacgcc acctggatgg ggcgaggcct ggggtttttc	780
ccgaagcaac caggctgggg ttagcgtgcc gaggccatgt ggccccagca cccggcacga	840
tctggcttgg cggcgccgcg ttgccctgcc tccctaacta ggggtgaggcc atcccgtccg	900
gcaccagttg cgtgcgtgga aagatggccg ctcccgggcc ctgttgcaag gagctcaaaa	960
tggaggacgc ggcagcccgg tggagcgggc gggtgagtca cccacacaaa ggaagagggc	1020
ctggtccctc accggctgct gcttcctgtg acccgtgggt cctatcggcc gcaatagtca	1080
cctcgggctt ttgagcacgg ctagtcgcgg cggggggagg ggatgtaatg gcgttggagt	1140
ttgttcacat ttggtgggtg gagactagtc aggccagcct ggcgctggaa gtcatttttg	1200
gaatttgtcc ccttgagttt tgagcggagc taattctcgg gcttcttagc ggttcaaagg	1260
tatcttttaa accctttttt aggtgtttgtg aaaaccaccg ctaattcaaa	1310

<210> 60
<211> 16
<212> DNA
<213> Artificial Sequence

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

<400> 60
gcgcgctcgc tcgctc

16

<210> 61
<211> 6
<212> DNA
<213> Artificial Sequence

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

<400> 61
ggttga

6

<210> 62
<211> 4
<212> DNA
<213> Artificial Sequence

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

<400> 62
agtt

4

<210> 63
<211> 6
<212> DNA
<213> Artificial Sequence

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

<400> 63
ggttgg 6

<210> 64
<211> 6
<212> DNA
<213> Artificial Sequence

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

<400> 64
agttgg 6

<210> 65
<211> 6
<212> DNA
<213> Artificial Sequence

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

<400> 65
agttga 6

<210> 66
<211> 6
<212> DNA
<213> Artificial Sequence

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

<400> 66
rrttrr 6

<210> 67
<211> 581
<212> DNA
<213> Artificial Sequence

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

polynucleotide

<400> 67

gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatacat	60
ttaaatgtta 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 aatcctgggt gctgtctctt	360
ttagaggagt tgtggcccg tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaaccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatgccac ggcagaactc atgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt c	581

<210> 68

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 68

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> 69

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 69 actgaggc	8
<210> 70 <211> 8 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 70 gcctcagt	8
<210> 71 <211> 16 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 71 gagcgagcga gcgcgc	16
<210> 72 <211> 1923 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic polynucleotide	
<400> 72 tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
ttggccattg catagttgt 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 atagggaactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttggca gtacatcaag tgtatcatat gccaaagtccg cccctattg acgtcaatga	420
cggtaaattgg ccgcctggc attatgcca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatgggtc gaggtgagcc ccacgttctg	540
cttcactctc cccatctccc cccctcccc accccaatt ttgtatttat ttatTTTTTA	600
attatTTTgt gcagcgatgg gggcgggggg gggggggggg cgcgcgccag gcggggcggg	660
gcggggcgag gggcggggcg gggcgaggcg gagagggtcg gcggcagcca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcgggcg cggcggccct ataaaaagcg	780
aagcgcgcgg cgggcgggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccg	840
ccgcctcgcg ccgcccggc cggctctgac tgaccgcgtt actccacag gtgagcgggc	900
gggacggccc ttctcctcg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
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ccggcggctg tgagcgctgc gggcgcgggc cggggctttg tgcgctccgc agtgtgcgcg	1140
aggggagcgc ggccgggggc ggtgccccgc ggtgcggggg gggctgcgag gggaacaaag	1200
gctgcgtgcg ggggtgtgtc gtgggggggt gagcaggggg tgtgggcgcg gcggtcgggc	1260
tgtaaccccc ccctgcaccc ccctccccga gttgtgagc acggcccggc ttcgggtgcg	1320
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taatcgtgcg agagggcgca gggacttcct ttgtcccaa tctgtgcgga gccgaaatct	1560
gggaggcgcc gccgcacccc ctctagcggg cgcggggcga agcgggtgcg gcccggcagg	1620
aaggaaatgg 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> 73

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 73

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc ctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggctcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccata 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 tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaattTTTT	720
ctatTTTTga cagggaacggg gtttcacat gttggtcagg ctggtctaga ggtaccggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagaggg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccaccccctc caccttggac acaggacgct	900
gtggtttctg agccaggtag aatgactcct ttcggtaagt gcagtggaag ctgtacactg	960

cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaa at acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt gaatccggac tctaaggtaa atataaaatt	1200
tttaagtgtg taatgtgtta aactactgat tctaattggt tctctctttt agattccaac	1260
ctttggaact ga	1272

<210> 74

<211> 1177

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 74

ggctcagagg ctacagaggca cacaggagtt tctgggctca ccctgcccc ttccaacccc	60
tcagttccca tcctccagca gctgtttgtg tgctgcctct gaagtccaca ctgaacaaac	120
ttcagcctac tcatgtccct aaaatgggca aacattgcaa gcagcaaaca gcaaacacac	180
agccctccct gcctgctgac cttggagctg gggcagagggt cagagacctc tctgggcccc	240
tgccacctcc aacatccact cgacccttg gaatttcggt ggagaggagc agaggttgtc	300
ctggcgtggt ttaggtagtg tgagagggtc cgggttcaaa accacttgct ggggtggggag	360
tcgtcagtaa gtggctatgc ccgaccccg aagcctgttt cccatctgt acaatggaaa	420
tgataaagac gcccatctga tagggttttt gtggcaaata aacatttggt ttttttggtt	480
tgtttttggt 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 tttttgacag ggacgggggt tcacatggt ggtcaggctg gtctagagggt	780

accggatcctt 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> 75

<211> 547

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 75

ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctctttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcatatccc agccagtgga cttagcccct	300
gtttgtcct ccgataactg gggtgacctt ggttaatat caccagcagc ctccccggt	360
gcccctctgg atccactgct taaatacggc cgaggacagg gccctgtctc ctcatcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaataata aaatttttaa	480
gtgtataatg tgttaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540
gaactga	547

<210> 76

<211> 556

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 76

ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt cggcggagag gagcagaggt tgtcctggcg tggtttaggt	180
agtgtgagag gggaatgact cttttcggta agtgcagtgg aagctgtaca ctgcccaggc	240
aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact tagcccctgt	300
ttgctcctcc gataactggg gtgaccttgg ttaatatcca ccagcagcct cccccgttgc	360
ccctctggat ccactgctta aatacggacg aggacactcg agggccctgt ctctcagct	420
tcaggcacca ccactgacct gggacagtga atccggacat cgattctaag gtaaataata	480
aatttttaag tgtataattt gttaaactac tgattctaat tgtttctctc ttttagattc	540
caaccttttg aactga	556

<210> 77

<211> 1179

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 77

ggctccggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggagggggtcg gcaattgaac cggcgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cttttttccc gaggggtgggg gagaaccgta tataagtgca	180
gtagtcgccg tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtgggt cccgcgggcc tggcctcttt acgggttatg gcccttgcgt gccttgaatt	300
acttcacact ggctgcagta cgtgattctt gatcccgagc ttcgggttgg aagtgggtgg	360
gagagttcga ggccttgccg ttaaggagcc ctttcgcctc gtgcttgagt tgaggcctgg	420

cctgggcgct ggggccgccc cgtgcgaatc tggcggcacc ttcgcgcctg tctcgctgct	480
ttcgataagt ctctagccat ttaaaatctt tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggt ttttggggcc	600
gcgggaggcg acggggcccc tgcgtcccag cgcacatggt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggtctcgcgc cgccgtgtat cgccccgccc tgggcggcaa ggctggcccg gtcggcacca	780
gttcgctgag cggaaagatg gccgcttccc ggccctgctg caggagagctc aaaatggagg	840
acgcggcgct cgggagagcg ggcgggtgag tcacccacac aaaggaaaag ggcctttccg	900
tcctcagccg tcgcttcatt tgactccacg gactaccggg cgccgtccag gcacctgat	960
tagttctcga gcttttggag tacgtcgtct ttaggttggg gggagggggtt ttatgcgatg	1020
gagtttcccc aactgagtg ggtggagact gaagttaggc cagcttggca cttgatgtaa	1080
ttctccttgg aatttgcctt ttttgagttt ggatcttggg tcatttctaa gcctcagaca	1140
gtggttcaaa gtttttttct tccatttcag gtgtcgtga	1179

<210> 78

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 78

aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttggt	60
cgccatccgg ttggtataaa tagacgttca tggttggttt tgtttcagtt gcaagttggc	120
tgcggcgcgc gcagcacctt t	141

<210> 79

<211> 317

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 79

ggtgtggaaa gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt	60
agtcagcaac cagggtgtgga aagtccccag gctccccagc aggcagaagt atgcaaagca	120
tgcattctaa ttagtcagca accatagtcc cgcccctaac tccgcccata ccgcccctaa	180
ctccgcccag ttccgcccata tctccgcccc atggctgact aatTTTTTTT atttatgcag	240
aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc ttttttggag	300
gcctaggctt ttgcaaa	317

<210> 80

<211> 241

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 80

gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgttagagag	60
ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga	120
aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat	180
atgcttaccg taacttgaaa gtatttcgat ttcttggctt tatatatctt gtggaaagga	240
c	241

<210> 81

<211> 215

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 81

gaacgctgac gtcattcaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa	60
--	----

caccagcgc gcgtgcgcc tggcaggaag atggctgtga gggacagggg agtggcgccc	120
tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg	180
gatttgggaa tcgtataaga actgtatgag accac	215

<210> 82

<211> 546

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 82

ccctaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttggg gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcttttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcagatccc agccagtgga ctagcccct	300
gtttgctcct ccgataactg gggtgacctt ggtaaatatt caccagcagc ctccccggtt	360
gcccctctgg atccactgct taaatacgga cgaggacagg gccctgtctc ctgagcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaatata aaatTTTTaa	480
gtgtataatg tgttaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540
gaactg	546

<210> 83

<211> 576

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 83

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 ctacttggca 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> 84
 <211> 150
 <212> DNA
 <213> Artificial Sequence

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

<400> 84	
ataaacgata acgccgttgg tggcgtgagg catgtaaaag gttacatcat tatcttgttc	60
gccatccggg tggatataat agacgttcat gttggttttt gtttcagttg caagttggct	120
gcggcgcgcg cagcaccttt gcggccatct	150

<210> 85
 <211> 1313
 <212> DNA
 <213> Artificial Sequence

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

<400> 85	
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 gggtagggga gaacggtata taagtgcggt	300
agtcgccttg gacgttcttt ttgcaacgg gtttgccgtc agaacgcagg tgagtggcgg	360
gtgtggcttc cgcgggcccc ggagctggag ccctgctctg agcgggccgg gctgatatgc	420
gagtgtcgtc cgcagggttt agctgtgagc attcccactt cgagtggcgg gcggtgcggg	480
ggtgagagtg cgaggcctag cggcaacccc gtagcctcgc ctctgttccg gcttgaggcc	540
tagcgtggtg tccgccgccg cgtgccactc cggccgcact atgcgttttt tgccttgct	600
gccctcgatt gccttcagc agcatgggct aacaaaggga ggggtgtgggg ctactctta	660
aggagcccat gaagcttacg ttggatagga atggaagggc aggaggggcg actggggccc	720
gcccgccttc ggagcacatg tccgaccca cctggatggg gcgaggcctg tggctttccg	780
aagcaatcgg gcgtgagttt agcctacctg ggccatgtgg ccctagcact gggcacggtc	840
tggcctggcg gtgccgcgtt cccttgccctc ccaacaaggg tgaggccgtc ccgccggca	900
ccagttgctt gcgcggaaag atggccgctc ccggggccct gttgcaagga gctcaaaatg	960
gaggacgcgg cagcccggtg gagcgggcgg gtgagtcacc cacacaaagg aagagggcct	1020
tgcccctcgc cggccgctgc ttctgtgac ccggtggtct atcggccgca tagtcacctc	1080
gggcttctct tgagcaccgc tcgtcgcggc ggggggaggg gatctaattg cgttggagtt	1140
tgttcacatt tggtaggtgg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttagatttg gagcgaggct aattctcaag cctcttagcg gttcaaaggt	1260
atcttctaaa cccgtttcca ggtgttgtga aagccaccgc taattcaaag caa	1313

<210> 86

<211> 213

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 86
 taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta 60
 tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag 120
 ttaacaacaa caattgcatt ctttttatgt ttcaggttca gggggaggtg tgggaggttt 180
 tttaaagcaa gtaaacctc tacaaatgtg gta 213

<210> 87
 <211> 7
 <212> PRT
 <213> Artificial Sequence

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

<400> 87
 Pro Lys Lys Lys Arg Lys Val
 1 5

<210> 88
 <211> 19
 <212> PRT
 <213> Artificial Sequence

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

<400> 88
 Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
 1 5 10 15

Ala His Ser

<210> 89
 <211> 19
 <212> PRT
 <213> Artificial Sequence

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

peptide

<400> 89

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

Ser Arg Gly

<210> 90

<211> 7

<212> PRT

<213> Simian virus 40

<400> 90

Pro Lys Lys Lys Arg Lys Val
1 5

<210> 91

<211> 21

<212> DNA

<213> Simian virus 40

<400> 91

cccaagaaga agaggaaggt g

21

<210> 92

<211> 16

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown:
Nucleoplasmin bipartite NLS sequence

<400> 92

Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys Lys Lys
1 5 10 15

<210> 93

<211> 9

<212> PRT

<213> Unknown

<220>

<223> Description of Unknown:
C-myc NLS sequence

<400> 93
Pro Ala Ala Lys Arg Val Lys Leu Asp
1 5

<210> 94
<211> 11
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
C-myc NLS sequence

<400> 94
Arg Gln Arg Arg Asn Glu Leu Lys Arg Ser Pro
1 5 10

<210> 95
<211> 38
<212> PRT
<213> Homo sapiens

<400> 95
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> 96
<211> 42
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
IBB domain from importin-alpha sequence

<400> 96

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> 97
<211> 8
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
Myoma T protein sequence

<400> 97
Val Ser Arg Lys Arg Pro Arg Pro
1 5

<210> 98
<211> 8
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown:
Myoma T protein sequence

<400> 98
Pro Pro Lys Lys Ala Arg Glu Asp
1 5

<210> 99
<211> 8
<212> PRT
<213> Homo sapiens

<400> 99
Pro Gln Pro Lys Lys Lys Pro Leu
1 5

<210> 100
<211> 12
<212> PRT
<213> Mus musculus

<400> 100
Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
1 5 10

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

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

<400> 101
gcgcgctcgc tcgctcactg aggcgcgccg ggaaacccgg gcgtgcgctt cagtgcgcga 60
gcgagcgcgc 70

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

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

<400> 102
gcgcgctcgc tcgctcactg aggcgcacgc ccgggtttcc cgggcggcct cagtgcgcga 60
gcgagcgcgc 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 ctcagtgagc 60

gagcgagcgc gc 72

<210> 104

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 104

gcgcgctcgc tcgctcactg aggccggggcg accaaaggtc gcccgcggc ctcagtgagc 60

gagcgagcgc gc 72

<210> 105

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 105

gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggc ctcagtgagc 60

gagcgagcgc gc 72

<210> 106

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 106

gcgcgctcgc tcgctcactg aggccgacgc ccgggctttg cccgggcggc ctcagtgagc 60

gagcgagcgc gc 72

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

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

 <400> 107
 gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg ctttgcccgg 60

 cctcagtgag 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

 cctcagtgag 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 gtcgggacac ctttggtcgc ccggcctcag 60

 tgagcgagcg agcgcgc 77

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

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

<400> 110
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggct 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 tcagtgcgc agcgagcgcg c 51

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

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

<400> 112
 gcgcgctcgc tcgctcactg aggccttgcc tcagtgcgc agcgagcgcg c 51

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

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

<400> 113
 gcgcgctcgc tcgctcactg aggccgccc ggcgtcgggc gaccttggt cgcccggcct 60
 cagtgcgcga gcgagcgcg 80

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

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

<400> 114
gcgcgctcgc tcgctcactg aggcgggcg accaaaggct gcccgacgcc cgggcggcct 60
cagtgcgcga gcgagcgcgc 80

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

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

<400> 115
gcgcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggct gcccggcctc 60
agtgagcgag cgagcgcgc 79

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

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

<400> 116
gcgcgctcgc tcgctcactg aggcgggcg accaaaggct gcccgacgcc cgggcgcctc 60
agtgagcgag cgagcgcgc 79

<210> 117
<211> 5
<212> PRT
<213> Influenza virus

<400> 117
Asp Arg Leu Arg Arg
1 5

<210> 118
<211> 7
<212> PRT
<213> Influenza virus

<400> 118
Pro Lys Gln Lys Lys Arg Lys
1 5

<210> 119
<211> 10
<212> PRT
<213> Hepatitis delta virus

<400> 119
Arg Lys Leu Lys Lys Lys Ile Lys Lys Leu
1 5 10

<210> 120
<211> 10
<212> PRT
<213> Mus musculus

<400> 120
Arg Glu Lys Lys Lys Phe Leu Lys Arg Arg
1 5 10

<210> 121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 121
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> 122
<211> 17
<212> PRT
<213> Homo sapiens

<400> 122
Arg Lys Cys Leu Gln Ala Gly Met Asn Leu Glu Ala Arg Lys Thr Lys
1 5 10 15

Lys

<210> 123
<211> 8
<212> DNA
<213> Artificial Sequence

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

<400> 123
gtttaaac 8

<210> 124
<211> 8
<212> DNA
<213> Artificial Sequence

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

<400> 124
ttaattaa 8

<210> 125
<211> 141
<212> DNA
<213> Artificial Sequence

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

<400> 125

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

<210> 126
 <211> 317
 <212> DNA
 <213> Artificial Sequence

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

<400> 126	
ggtgtggaag gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt	60
agtcagcaac caggtgtgga aagtccccag gctccccagc aggcagaagt atgcaaagca	120
tgcattctaa ttagtcagca accatagtcc cgcccctaac tccgcccata ccgcccctaa	180
ctccgcccag ttccgcccata tctccgcccc atggctgact aaaaaaaaa atttatgcag	240
aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc ttttttgag	300
gcctaggctt ttgcaaa	317

<210> 127
 <211> 72
 <212> DNA
 <213> Artificial Sequence

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

<400> 127	
gcgcgctcgc tcgctcactg aggccgggag accaaaggta gcccagcggc ctcaagtgc	60
gagcgagcgc gc	72

<210> 128
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 128

gagacagaca cactcctgct atgggtactg ctgctctggg ttccagggtc cactggtgac 60

<210> 129

<211> 1260

<212> DNA

<213> Adeno-associated virus - 2

<400> 129

atggagctgg tcgggtggct cgtggacaag gggattacct cggagaagca gtggatccag 60

gaggaccagg cctcatacat ctccttcaat gcggcctcca actcgcggtc ccaaatacaag 120

gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg 180

gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaaat ttggaacta 240

aacgggtacg atccccaata tgcggcttcc gtctttctgg gatgggccac gaaaaagtgc 300

ggcaagagga acaccatctg gctgtttggg cctgcaacta ccgggaagac caacatcgcg 360

gaggccatag cccacactgt gcccttctac ggggtgcgtaa actggaccaa tgagaacttt 420

cccttcaacg actgtgtcga caagatgggtg atctgggtggg aggaggggaa gatgaccgcc 480

aaggctcgtg agtcggccaa agccattctc ggaggaagca aggtgcgcgt ggaccagaaa 540

tgcaagtcct cggcccagat agaccgcact cccgtgatcg tcacctcaa caccaacatg 600

tgcgccgtga ttgacgggaa ctcaacgacc ttccaacacc agcagccgtt gcaagaccgg 660

atgttcaaat ttgaactcac ccgccgtctg gatcatgact ttgggaagggt caccaagcag 720

gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc 780

tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagttag 840

cccaaacggg tgcgcgagtc agttgcgcag ccatcgacgt cagacgcgga agcttcgatc 900

aactacgcag acaggtacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg 960

tttccttgca gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga 1020

cagaaagact gtttagagtg ctttcccggtg tcagaatctc aaccggtttc tgctgtcaaa 1080

aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
actgcctgcg atctgggtcaa tgtggatttg gatgactgca tctttgaaca ataatgatt	1200
taaatcaggt atggctgccg atggttatct tccagattgg ctcgaggaca ctctctctga	1260

<210> 130

<211> 1932

<212> DNA

<213> Adeno-associated virus - 2

<400> 130

atgccgggggt tttacgagat tgtgattaag gtccccagcg accttgacga gcatctgccc	60
ggcattttctg 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 caccgggggtg	300
aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat tcagagaatt	360
taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac cagaaatggc	420
gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt gctccccaaa	480
accagcctg agctccagtg ggcgtggact aatatggaac agtattttaag cgcctgtttg	540
aatctcacgg agcgtaaacg gttgggtggcg cagcatctga cgcacgtgtc gcagacgcag	600
gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag atcaaaaact	660
tcagccaggt acatggagct ggtcgggtgg ctcgtggaca aggggattac ctcggagaag	720
cagtggatcc aggaggacca ggcctcatac atctccttca atgcggcctc caactcgcg	780
tcccaaatca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac taaaaccgcc	840
cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg gatttataaa	900
attttgaac taaacgggta cgatcccaa 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 ctcgcccag atagaccga ctcccgtgat cgtcacctcc	1260
aacaccaaca tgtgcgccgt gattgacggg aactcaacga ctttcgaaca ccagcagccg	1320
ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga ctttgggaag	1380
gtcaccaagc aggaagtcaa agactttttc cggtagggcaa aggatcacgt ggttgaggtg	1440
gagcatgaat tctacgtcaa aaaggggtgga gccaaagaaa gaccgcgcc cagtgcgcga	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 gggaaaggtg	1800
ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg catctttgaa	1860
caataaatga tttaaatacag gtatggctgc cgatggttat cttccagatt ggctcgagga	1920
cactctctct ga	1932

<210> 131

<211> 1876

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 131

cgcagccacc atggcggggt 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
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caccggggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac tttgccaac tggttcgcg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt	480
gctcccaaaa acccagcctg agctccagt ggcgtggact aatatggaac agtatttaag	540
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tcaaccggtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800

gggaaagggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 132

<211> 1194

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 132

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gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg	180
gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaaat ttggaacta	240
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cagaaagact gtttagagtg ctttcccggtg tcagaatctc aaccgtttc tgctgtcaaa	1080

aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
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<210> 133
 <211> 1876
 <212> DNA
 <213> Artificial Sequence

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

<400> 133	
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gccgccagat tctgacatgg atctgaatct gattgagcag gcacccctga ccgtggccga	180
gaagctgcag cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct	240
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caccgggggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac ttgccaaac tggttcgcgg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt	480
gctccccaaa acccagcctg agctccagtg ggcgtggact aatatggaac agtatttaag	540
cgcctgtttg aatctcacgg agcgtaaacg gttggtggcg cagcatctga cgcacgtgtc	600
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atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctctgggaca aggggattac	720
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tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaagggtg ccagacgctt gcactgcctg cgatctgggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 134

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 134

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---	----

<210> 135

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 135

ctaggactga ggccgcccgg gcaaagcccg ggcgtcgggc gacctttggt cgcccggcct 60

cagtc 65

<210> 136

<211> 67

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 136

ggactgaggc cgcccgggca aagcccgggc gtcgggcgac ctttggtcgc ccggcctcag 60

tcctgca 67

<210> 137

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 137

gtgcgggcga ccaaaggctg cccgacgccc gggcgcactc a 41

<210> 138

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 138

ggactgaggc cgggcgacca aaggctgccc gacgcccggg cggcctcagt cctgca 56

<210> 139
 <211> 54
 <212> DNA
 <213> Artificial Sequence

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

 <400> 139
 ctaggactga ggccgcccgg gcgtcgggcg acctttggtc gcccggcctc agtc 54

 <210> 140
 <211> 48
 <212> DNA
 <213> Artificial Sequence

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

 <400> 140
 ggactgaggc cgggcgacca aaggtcgccc gacggcctca gtcctgca 48

 <210> 141
 <211> 46
 <212> DNA
 <213> Artificial Sequence

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

 <400> 141
 ctaggactga ggccgtcggg cgacctttgg tcgcccggcc tcagtc 46

 <210> 142
 <211> 67
 <212> DNA
 <213> Artificial Sequence

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

 <400> 142
 ggactgaggc ccgggcgacc aaaggtcgcc cgacgcccgg gctttgcccg ggcgcctcag 60

tcctgca 67

<210> 143

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 143

atacctaggc acgcgtgtta ctagttatta atagtaatca attacgg 47

<210> 144

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 144

atacctaggg gccgcacgcg tgttactag 29

<210> 145

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 145

atacactcag tgcctgcagg cacgtggtcc ggagatccag ac 42

<210> 146

<211> 3754

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 146

cctaggtgag cgagcgagcg cgagagagg gaggggccaa ctccatcact aggggttcct	60
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catattattc attggttata tagcataaat caatattggc tattggccat tgcatacggt	180
gtatctatat cataatatgt acatttatat tggctcatgt ccaatatgac cgccatgttg	240
gcattgatta ttgactagtt attaatagta atcaattacg gggtcattag ttcatagccc	300
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cgacccccgc ccattgacgt caataatgac gtatgttccc atagtaacgc caatagggac	420
tttccattga cgtcaatggg tggagtattt acggtaaact gccacttgg cagtacatca	480
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gcattatgcc cagtacatga cttacggga ctttctact tggcagtaca tctacgtatt	600
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<210> 147

<211> 8418

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 147

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<220>

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polynucleotide

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gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg	180
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<210> 149

<211> 1177

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

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<211> 1326

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

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<211> 573
<212> DNA
<213> Mus musculus

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<210> 153
<211> 1350
<212> DNA
<213> Homo sapiens

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<210> 154
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 <212> DNA
 <213> Homo sapiens

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accagtcag agttgtgcac atggcttagt tttcatacac agcctgggct ggggggtgggg	300
tgggagaggt cttttttaaa aggaagttac tgttatagag ggtctaagat tcatccattt	360
atttggcatc tgtttaaagt agattagatc ttttaagccc atcaattata gaaagccaaa	420
tcaaaatatg ttgatgaaaa atagcaacct ttttatctcc cttcacatg catcaagtta	480
ttgacaaact ctcccttcac tccgaaagtt ctttatgtat atttaaaaga aagcctcaga	540
gaattgctga ttcttgagtt tagtgatctg aacagaaata ccaaaattat ttcagaaatg	600
tacaactttt tacctagtac aaggcaacat ataggttgta aatgtgttta aaacaggtct	660
ttgtcttgct atggggagaa aagacatgaa tatgattagt aaagaaatga cacttttcat	720
gtgtgatttc ccctccaagg tatggttaat aagtttact gacttagaac caggcgagag	780
acttgtggcc tgggagagct ggggaagctt cttaaagag aaggaatttg agttggatca	840
tctattgctg gcaaagacag aagcctcact gcaagcactg catgggcaag cttggctgta	900
gaaggagaca gagctggttg ggaagacatg gggaggaagg acaaggctag atcatgaaga	960
accttgacgg cattgctccg tctaagtcac gagctgagca gggagatcct ggttgggtgtt	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> 155

<211> 215

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 155

gaacgctgac gtcatcaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa 60

caccacgagc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc 120

tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg 180

gatttgggaa tcttataagt tctgtatgag accac 215

<210> 156

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 156

cctgcaggca gctgcgcgct cgctcgctca cctaggccgc ccgggcaaag cccgggcgtc 60

gggcgacctt tggtcgcccg gcctaggtga gcgagcgagc gcgcagagag ggagtggcca 120

actccatcac taggggttcc t 141

<210> 157

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 157

gcgcgctcgc tcgctcacc 19

<210> 158

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 158

ctaggtgagc gagcgagcgc gc 22

<210> 159

<211> 75

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 159

cctgcaggac tgaggccgcc cgggcaaagc ccgggcgctc ggcgacctt ggtcgcccgg 60

cctcagtcct gcagg 75

<210> 160

<211> 130

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 160

aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagt 60

gcgggcgacc aaaggtcgcc cgacgcccg gcgcactcag tgagcgagcg agcgcgagc 120

tgccctgcagg 130

<210> 161

<211> 142

<212> DNA
<213> Artificial Sequence

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

<400> 161
cctgcaggca gctgcgcgct cgctcgctcc ctaggactga ggccgcccgg gcgtcgggcg 60
acctttggtc gcccggcctc agtcctaggg agcgagcgag cgcgagaga gggagtggcc 120
aactccatca ctaggggttc ct 142

<210> 162
<211> 80
<212> DNA
<213> Artificial Sequence

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

<400> 162
gcgcgctcgc tcgctcactg agtgcgggcg accaaaggct gcccgacgcc cgggcgcact 60
cagtgagcga gcgagcgcgc 80

<210> 163
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 163
gcgcgctcgc tcgctcactg a 21

<210> 164
<211> 18
<212> DNA
<213> Artificial Sequence

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

oligonucleotide

<400> 164
gtgagcgagc gagcgcgc 18

<210> 165
<211> 89
<212> DNA
<213> Artificial Sequence

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

<400> 165
gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg cgactttgtc 60
gcccggcctc agtgagcgag cgagcgcgc 89

<210> 166
<211> 89
<212> DNA
<213> Artificial Sequence

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

<400> 166
gcgcgctcgc tcgctcactg aggccgggcg acaaagtcgc ccgacgcccg ggctttgccc 60
gggcggcctc agtgagcgag cgagcgcgc 89

<210> 167
<211> 87
<212> DNA
<213> Artificial Sequence

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

<400> 167
gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg cgattttcgc 60
ccggcctcag tgagcgagcg agcgcgc 87

<210> 168
 <211> 87
 <212> DNA
 <213> Artificial Sequence

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

 <400> 168
 gcgcgctcgc tcgctcactg aggccgggcg aaaatcgccc gacgcccggg ctttgcccg 60
 gcggcctcag tgagcgagcg agcgcgc 87

 <210> 169
 <211> 85
 <212> DNA
 <213> Artificial Sequence

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

 <400> 169
 gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg cgtttcgccc 60
 ggcctcagtg agcgagcgag cgcgc 85

 <210> 170
 <211> 85
 <212> DNA
 <213> Artificial Sequence

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

 <400> 170
 gcgcgctcgc tcgctcactg aggccgggcg aaacgcccga cgcccgggct ttgcccgggc 60
 ggcctcagtg agcgagcgag cgcgc 85

 <210> 171
 <211> 89
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 171

gcgcgctcgc tcgctcactg aggccgcccg ggaaacccgg gcgtcgggcg acctttggtc 60

gcccggcctc agtgagcgag cgagcgcg 89

<210> 172

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 172

gcgcgctcgc tcgctcactg aggccgggcg accaaagggtc gcccgcgccc cgggtttccc 60

gggcggcctc agtgagcgag cgagcgcg 89

<210> 173

<211> 87

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 173

gcgcgctcgc tcgctcactg aggccgcccg gaaaccgggc gtcgggacgac ctttggtcgc 60

ccggcctcag tgagcgagcg agcgcg 87

<210> 174

<211> 87

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 174
 gcgcgctcgc tcgctcactg aggccgggcg accaaagggtc gcccgcgccc cggtttcggg 60
 gcggcctcag tgagcgagcg agcgcg 87

<210> 175
 <211> 85
 <212> DNA
 <213> Artificial Sequence

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

<400> 175
 gcgcgctcgc tcgctcactg aggccgcccg aaacgggctg cggcgacct ttggtcgccc 60
 ggccctcagt agcgagcgag cgcg 85

<210> 176
 <211> 85
 <212> DNA
 <213> Artificial Sequence

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

<400> 176
 gcgcgctcgc tcgctcactg aggccgggcg accaaagggtc gcccgcgccc cgtttcgggc 60
 ggccctcagt agcgagcgag cgcg 85

<210> 177
 <211> 83
 <212> DNA
 <213> Artificial Sequence

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

<400> 177
 gcgcgctcgc tcgctcactg aggccgccc aaggcgctcg ggcgacctt ggtcgcccgg 60
 cctcagttag cgagcgagcg cg 83

<210> 178
 <211> 83
 <212> DNA
 <213> Artificial Sequence

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

 <400> 178
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgcc ctttgggcgg 60
 cctcagtgag cgagcgagcg cgc 83

 <210> 179
 <211> 81
 <212> DNA
 <213> Artificial Sequence

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

 <400> 179
 gcgcgctcgc tcgctcactg aggccgccaaggcgctcggg cgacctttgg tcgcccggcc 60
 tcagtgagcg agcgagcgcg c 81

 <210> 180
 <211> 81
 <212> DNA
 <213> Artificial Sequence

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

 <400> 180
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgcc tttggcggcc 60
 tcagtgagcg agcgagcgcg c 81

 <210> 181
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 181

gcgcgctcgc tcgctcactg aggccgcaaa gcgtcgggcg acctttggtc gcccggcctc 60

agtgagcgag cgagcgcgc 79

<210> 182

<211> 79

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 182

gcgcgctcgc tcgctcactg aggccgggcg accaaaggct gcccgacgct ttgcggcctc 60

agtgagcgag cgagcgcgc 79

<210> 183

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 183

ctgcgcgctc gctcgctcac tgaggccgaa acgtcgggcg acctttggtc gcccggcctc 60

agtgagcgag cgagcgcgca g 81

<210> 184

<211> 81

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 184
 ctgcgctc gctcgctcac tgaggccggg cgaccaaagg tcgcccgcg tttcggcctc 60
 agtgagcgag cgagcgcgca g 81

<210> 185
 <211> 72
 <212> DNA
 <213> Artificial Sequence

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

<400> 185
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggc gcccgacggc ctgagtgagc 60
 gagcgagcgc gc 72

<210> 186
 <211> 80
 <212> DNA
 <213> Artificial Sequence

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

<400> 186
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggc gcccgacgcc cgggcggcct 60
 cagtgagcga gcgagcgcg 80

<210> 187
 <211> 79
 <212> DNA
 <213> Artificial Sequence

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

<400> 187
 gcgcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggc gcccggcctc 60
 agtgagcgag cgagcgcg 79

<210> 188
 <211> 48
 <212> DNA
 <213> Artificial Sequence

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

 <400> 188
 ggagtcaaag ttctgtttgc cctgatctgc atcgctgtgg ccgaggcc 48

 <210> 189
 <211> 99
 <212> DNA
 <213> Artificial Sequence

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

 <400> 189
 attcatacca acttgaagaa aaagttcagc ctcttcatcc tggcttttct cctgttcgca 60
 gtcattctgtg tttggaagaa agggagcgac tatgaggcc 99

 <210> 190
 <211> 588
 <212> DNA
 <213> Artificial Sequence

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

 <400> 190
 gcccctctcc ctcccccccc cctaacgtta ctggccgaag ccgcttggaa taaggccggt 60
 gtgcgtttgt ctatatgtta ttttccacca tattgccgtc ttttggcaat gtgagggccc 120
 ggaaacctgg ccctgtcttc ttgacgagca ttctagggg tctttcccct ctgcctaaag 180
 gaatgcaagg tctgttgaat gtcgtgaagg aagcagttcc tctggaagct tcttgaagac 240
 aaacaacgtc tgtagcgacc ctttgcaggc agcggaaacc ccacactggc gacaggtgcc 300
 tctgcggcca aaagccacgt gtataagata cacctgcaaa ggcggcacia cccagtgcc 360

acgttgtgag ttggatagtt gtggaaagag tcaaattggct ctctcaagc gtattcaaca	420
aggggctgaa ggatgcccag aaggtaaccc attgtatggg atctgatctg gggcctcggt	480
gcacatgctt tacatgtgtt tagtcgaggt taacaaaaacg tctaggcccc ccgaaccacg	540
gggacgtggg tttcctttga aaaacacgat gataatatgg ccacaacc	588

<210> 191

<400> 191
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<210> 192

<400> 192
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<210> 193

<400> 193
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<210> 194

<400> 194
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<210> 195

<400> 195
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<210> 196

<400> 196
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<210> 197

<400> 197
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<210> 198

<400> 198
000

<210> 199

<400> 199
000

<210> 200
<211> 278
<212> DNA
<213> Artificial Sequence

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

<400> 200
tcgaggtgag cccacgttc tgcttcactc tccccatctc cccccctcc ccacccccaa 60
ttttgtatattt atttattttt taattatttt gtgcagcgat gggggcgggg gggggggggg 120
ggcgcgcgcc aggcggggcg gggcggggcg agggggcgggg cggggcgagg cggagaggtg 180
cggcggcgagc caatcagagc ggcgcgctcc gaaagtttcc ttttatggcg aggcggcggc 240
ggcggcggcc ctataaaaag cgaagcgcgc ggcgggcg 278

<210> 201
<211> 348
<212> DNA
<213> Artificial Sequence

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

<400> 201
gatcttgcta ccagtgaac agccactaag gattctgcag tgagagcaga gggccagcta 60
agtgggtactc tcccagagac tgtctgactc acgccacccc ctccaccttg gacacaggac 120
gctgtggttt ctgagccagg tacaatgact ctttctggta agtgagctgg aagctgtaca 180

ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact	240
tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatattca ccagcagcct	300
cccccgttgc ccctctggat ccactgctta aatacggacg aggacagg	348

<210> 202
 <211> 226
 <212> DNA
 <213> Artificial Sequence

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

<400> 202	
gtggagaaga gcatgcttga gggctgagtg cccctcagtg ggcagagagc acatggccca	60
cagtccttga gaagttgggg ggaggggttg gcaattgaac tggcgcctag agaaggtggg	120
gcttgggtaa actgggaaag tgatgtggtg tactggctcc acctttttcc ccagggtggg	180
ggagaacat atataagtc agtagtctct gtgaacattc aagctt	226

<210> 203
 <211> 225
 <212> DNA
 <213> Artificial Sequence

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

<400> 203	
ccgtctgtct gcacatttcg tagagcgagt gttccgatac tctaattctc ctaggcaagg	60
ttcatatttg ttaggttac ttattctcct ttgttgact aagtcaataa tcagaatcag	120
caggtttggg gtcagcttgg cagggatcag cagcctgggt tggaaggagg gggataaaaa	180
gccccttcac caggagaagc cgtcacacag atccacaagc tcctg	225

<210> 204
 <211> 143
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 204

ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactgggggtg 60

accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat 120

acggacgagg acagggccct gtc 143

<210> 205

<211> 222

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 205

gtctgtctgc acatttcgta gagcgagtgt tccgatactc taatctccct aggcaaggtt 60

catattgact taggttactt attctccttt tgttgactaa gtcaataatc agaatcagca 120

ggtttggagt cagcttggca gggatcagca gcctggggtg gaaggagggg gtataaaagc 180

cccttcacca ggagaagccg tcacacagat ccacaagctc ct 222

<210> 206

<211> 223

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 206

gtctgtctgc acatttcgta gagcgagtgt tccgatactc taatctccct aggcaaggtt 60

catatttgtg taggttactt attctccttt tgttgactaa gtcaataatc agaatcagca 120

ggtttggagt cagcttggca gggatcagca gcctggggtg gaaggagggg gtataaaagc 180

cccttcacca ggagaagccg tcacacagat ccacaagctc ctg 223

<210> 207
<211> 3000
<212> DNA
<213> Artificial Sequence

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

<400> 207
gttcaagcga ttctcctgcc tcagcctccc aagtagctgg gactacaggc acgtgccacc 60
atgcccggct aatTTTTTgt atTTTTtagta gaggaggagt ttcattcttgt tagctaggat 120
ggcttagatc tcctgacctc gtgatctgcc cgcctcagcc tcccaaagtg ctgggattac 180
aggtgtgagc caccgtgccc ggccatattt tgattttaaaa tttagcaata atagataaaa 240
ttttcaatca actaagccct tgggccaggg aatgctattc cttaaaaagt gcttctatca 300
atatagcctc tgactcatta ctttgTTaat ttttaaattg tatttcattc ctgattaaca 360
ttcccacca gattattaat tatacaatct gttaactgta gaacctcaaa catgttggat 420
tgtactgtat ttgtctggaa gacacatttt taaaacattg taatcgctat aagagaagca 480
ctgggaaaga aaggagcttc tatgcctgca gtgcctgagg agccctttaa cagtgtgccc 540
cgcccctaag ctactcatgc agtcatcccc atcccagtta gtcaacttta ttccaaaaaa 600
cttgggtgttc caaatttttc cttctcaaag cccacagatc caaaattcat cagcagttcc 660
cacaaacgtt accctcacia tgaatccagc catttttcac cctctccagt ggtaccatca 720
tagcccaagc cgccaccatt tctcaccccc ggTTaacagg ccaccctcct tctaccctta 780
tcctgctaga gtttgtttta tctacagtga tcagaaagat cagcctaaaa gataattctg 840
atcaccaccc tcctctactc acaacccggc cgtgtctccc cattgccctc agtgtagaag 900
tcaatgtccc tttgctgaaa tgcaacctta gtgaaacttt ccatgactaa cctcctttaa 960
aattgcaacc tgggtccacc ttactcccc ttacccact tctctttttt gcacagcact 1020
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cctctttcag ttgcttatat ttttcatcaa tgtgtacca gtgcctagga caatatctgt 1140
ctaggacaaa tgggtagtta tgtggctgta ggcaagccat ttaacctctc tgtacctcag 1200

ttactttatc tgtatccact ttgcggtggt gtcagtagga ttaaatacaga tagcctatgt	1260
gtagcacctg gcagtgaatt tatcaccttg tactgttaact gtctactttt ctgtctcctc	1320
cattggactg tcattcccag ggggttgga actgggattt cttcatttct gaggcataga	1380
agtatagcat agtggtagg agcatgactt ctggagccag agtacatggg tttgaatgct	1440
accactcaca agctgtgtgg ccatggagaa gttgcctaac ctctccgtgc ttcagtttca	1500
tcaccataa aatgaaggta agaatagtac ctgtatttaa aagcacctag aacagttcct	1560
ggcatatagt gtcagctgtc atctctgcat cttgtacct gtcagagagg agtgtttatc	1620
aaaggggctt cttgctgcct gtttccaaac cagtcgacaa tataccaatt gctccctaac	1680
acattcttgt ttgtgcagaa ctgagctcaa tgataacatt tttatagcaa ccctgatcaa	1740
gtttcttctc ataatctctt acactttgag gccctgcag gggccctcac tctcccta	1800
aaacattaac ctgagtaggg tgtttgagct caccatggct acattctgat gtaaagagat	1860
atatactata cctgggcca atgtaaacag cctggaaaag tgtaggtta aaaacaaac	1920
aaaataaata aatgaataaa tgccaggtgg ttatgagtgct tattgagaaa aatgaagcca	1980
agagggatat cagtgatgca ggtgggggta aagagcttac aacataaatg tgggtttcca	2040
tatttaaacc tcattcaaca gggaagattg gagctgaaat gtgaaggagt tgtgggagt	2100
gaactacgtg gaaatctggg ggaaagggtgt ttgggtaaa agaaatagca agtgttgagg	2160
tccaggggca tgagtgtgct tgatatttta gggaagagta aggagaccag tataaccaga	2220
gtgagatgag actacagagg tcaggagaaa gggcatgcag accatgtggg atgctctagg	2280
acctaggcca tggtaaagat gtagggtttt accctgatgg aggtcagaag ccattggagg	2340
attctgagaa gaggagtgc aggactcgct ttatagtttt aaattataac tataaattat	2400
agtttttaaa acaatagttg cctaacctca tgttatatgt aaaactacag ttttaaaac	2460
tataaattcc tcatactggc agcagtgtga ggggcaaggg caaaagcaga gagactaaca	2520
ggttgctggt tactcttgct agtgcaagtg aattctagaa tcttcgacaa catccagaac	2580
ttctcttgct gctgccactc aggaagaggg ttggagtagg ctaggaatag gagcacaat	2640
taaagctcct gttcactttg acttctccat ccctctcctc ctttccttaa aggttctgat	2700

taaagcagac ttatgcccct actgctctca gaagtgaatg ggttaagttt agcagcctcc	2760
cttttgctac ttcagttctt cctgtggctg cttccactg ataaaaagga agcaatccta	2820
tcggttactg cttagtgtg agcacatcca gtgggtaaag ttccttaaaa tgctctgcaa	2880
agaaattggg acttttcatt aaatcagaaa ttttactttt ttcccctcct gggagctaaa	2940
gatattttag agaagaatta accttttgct tctccagttg aacatttgta gcaataagtc	3000

<210> 208

<211> 205

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 208

aatgactcct ttcggtaagt gcagtggaag ctgtacactg cccaggcaaa gcgtccgggc	60
agcgtaggcg ggcgactcag atcccagcca gtggacttag cccctgtttg ctcctccgat	120
aactgggggtg accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca	180
ctgcttaaata acggacgagg acagg	205

<210> 209

<211> 397

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 209

gatcttgcta ccagtggaac agccactaag gattctgcag tgagagcaga gggccagcta	60
agtgggtactc tcccagagac tgtctgactc acgccacccc ctccaccttg gacacaggac	120
gctgtgggttt ctgagccagg tacaatgact cttttcggtta agtgcagtgg aagctgtaca	180
ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact	240
tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatatcca ccagcagcct	300

ccccgttgc ccctctggat ccactgctta aatacggacg aggacagggc cctgtctcct	360
cagcttcagg caccaccact gacctgggac agtgaat	397

<210> 210
 <211> 2864
 <212> DNA
 <213> Artificial Sequence

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

<400> 210	
cctttgagaa tccacggtgt ctgatgcag tcagctttct aacaagctgg ggcctcacct	60
gttttccac ggataaaaac gtgctggagg aagcagaaag gggctggcag gtggaaagat	120
gaggaccagc tcatcgtctc atgactatga ggttgctctg atccagaggg tccccctgcc	180
tggtggccca ccgccaggaa gactcccact gtccctggat gcccagagtg ggatgtcaac	240
tccatcactt atcaactcct tatccatagg ggtattcttc ctgaggcgtc tcagaaaaca	300
gggccctccc catatgctga ccacataata gaaccctcc caactcagag accctggctg	360
ctagctgccc tggcatgacc cagacagtgg cctttgtata tgtttttaga ctcaccttga	420
ctcacctctg accatagaaa ctctcatccc agaggtcact gcaatagtta ctccacaaca	480
gaggcttata tgggtagagg gaggctccct acctatggcc cagcagccct gacagtgcag	540
atcacatata cccacgccc cagcactgcc tgccacgcat gggcttactt tacaccacc	600
cacagtcacc aacacattac ctgctctcca aggttaggcg tggcaggaga agtttgcttg	660
gaccagcaga aacctgcag tcaaggacaa ctggagtcag catgggctgg gtgcgagccc	720
ttggtgggggt ggggaggaga ctccaggtca tacctcctgg aggatgtttt aatcatttcc	780
agcatggaat gctgtcaact ttgcccacag attcattagc tctgagtttc tttttctgt	840
ccccagctac cccttacatg tcaatatgga cttaatgatg ggaaattcag gcaagttttt	900
aaacatttta ttccccctgg ctcttatcct caaaaaatgc atgaatttgg aggcagtggc	960
tcatgcctgt aatcccaatg ctttgctagg ttgaggcggg aggatcactt gaagccagga	1020

at ttgagacc agcctgggcc gcatagtgag accccgtttc tacaaaaata aataaataaa	1080
taataaataa tagtgatatg aagcatgatt aaatagccct attttttaaa atgcatgagt	1140
tcgttacctg attcattccc tggttccttt cacagtcctc cgtgacccaa gtgttagggt	1200
tttggctctt ctactatttg taggctgata tatagtatac acacacacac acacacacat	1260
atacacacac acagtgtatc ttgagctttc ttttgtatat ctacacacat atgtataaga	1320
aagctcaaga tatagaagcc ctttttcaaa aataactgaa agtttcaaac tctttaagtc	1380
tccagttacc attttgctgg tattcttatt tggaaccata cattcatcat attgttgcac	1440
agtaagacta tacattcatt attttgctta aacgtatgag ttaaaacact tggccaggca	1500
tgggtggttca cacctgtaat ccagagctt tgggaagcca agactggcag atctcttgag	1560
ctcaggaatt caagaccagc ctgggcaaca tggaaaaacc ccatctctac aaaagataga	1620
aaaattagcc aggcattggtg gcgtgtgcct gtgggtcccag ctactcagga ggctgagggtg	1680
ggaggatcac attagcccag gaggttgagg ctgcagtgag ccgtgattat gccactgcac	1740
tccagcctgg gagacagagt gagaccctgt ttcaaaaaaa agagagagaa aatttaaaaa	1800
agaaaacaac accaagggtc gtaactttaa ggtcattaaa tgaattaatc actgcattca	1860
aaaacgatta ctttctggcc ctaagagaca tgaggccaat accaggaagg gggttgatct	1920
cccaaaccag aggcagaccc tagactctaa tacagttaag gaaagaccag caagatgata	1980
gtccccaata caatagaagt tactatatat tatttgttgt ttttcttttg ttttgttttg	2040
ttttgttttg ttttgtttta gagactgggg tcttgctcga ttgcccaggc tgtagtgcag	2100
cgggtgggaca atagctcact gcagactcca actcctgggc tcaagcaatc ctctgcctc	2160
agcctcctga atagctggga ctacaagggt acaccatcac acacacaaa acaatttttt	2220
aaatttttgt gtagaaacga gggctcttgct ttgttgccca ggctgggtct caactcctgg	2280
cttcaaggga tcctcccacc tcagcctccc aaattgctgg gattacaggt gtgagccacc	2340
acaaccagcc agaactttac taatttttaa attaagaact taaaacttga atagctagag	2400
caccaagatt tttctttgtc cccaataag tgcagttgca ggcatagaaa atctgacatc	2460
tttgcaagaa tcatcgtgga tgtagactct gtcctgtgtc tctggcctgg tttcggggac	2520

caggagggca gacccttgca ctgccaagaa gcatgccaaa gttaatcatt ggccctgctg	2580
agtacatggc cgatcaggct gtttttgtgt gcctgttttt ctatttttacg taaatcaccc	2640
tgaacatgtt tgcataacc tactggtgat gcaccttga tcaatacatt ttagacaaac	2700
gtggtttttg agtccaaaga tcagggtgg gttgacctga atactggata caggcatat	2760
aaaacagggg caaggcacag actcatagca gagcaatcac caccaagcct ggaataactg	2820
caagggtctt gctgacatct tcctgaggtg ccaaggaaat gagg	2864

<210> 211
 <211> 295
 <212> DNA
 <213> Artificial Sequence

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

<400> 211	
gggccccaga agcctggtgg ttgtttgtcc ttctcagggg aaaagtgagg cggccccttg	60
gaggaagggg ccgggcagaa tgatctaatac ggattccaag cagctcaggg gattgtcttt	120
ttctagcacc ttcttgccac tcctaagcgt cctccgtgac cccggctggg atttagcctg	180
gtgctgtgtc agccccgggc tcccaggggc ttcccagtgg tcccaggga accctcgaca	240
gggcccagggc gtctctctcg tccagcaagg gcagggacgg gccacaggca agggc	295

<210> 212
 <211> 206
 <212> DNA
 <213> Artificial Sequence

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

<400> 212	
gaatgactcc ttctggtaag tgcagtggaa gctgtacact gcccaggcaa agcgtccggg	60
cagcgtaggc gggcgactca gatcccagcc agtggactta gcccctgttt gtcctccga	120
taactgggggt gaccttggtt aatattcacc agcagcctcc cccgttgccc ctctggatcc	180

actgcttaaa tacggacgag gacagg

206

<210> 213

<211> 1179

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 213

ggctccggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggagggggtcg gcaattgaac cggcgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cctttttccc gaggggtgggg gagaaccgta tataagtga	180
gtagtcgccg tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtggtt cccgcgggcc tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttccacct ggctgcagta cgtgattctt gatcccgagc ttcgggttgg aagtgggtgg	360
gagagttcga ggccttgccg ttaaggagcc ccttcgcctc gtgcttgagt tgaggcctgg	420
cctgggcgct ggggccgccg cgtgcgaatc tggcggcacc ttcgcgcctg tctcgtgct	480
ttcgataagt ctctagccat ttaaaatctt tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggg ttttggggcc	600
gcgggcggcg acggggcccg tgcgtcccag cgcacatgtt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggctctcgcg cgccgtgtat cggccgccc tgggcggcaa ggctggccc gtcggcacca	780
gttgctgtag cggaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840
acgcggcgct cgggagagcg ggcgggtgag tcacccacac aaaggaaaag ggcctttccg	900
tcctcagccg tcgcttcatt tgactccacg gaggaccggg cgccgtccag gcacctgat	960
tagttctcga gcttttggag tacgtcgtct ttaggttggg gggaggggtt ttatgcgatg	1020
gagtttcccc aactgagtg ggtggagact gaagttaggc cagcttggca cttgatgtaa	1080
ttctccttgg aatttgcctt ttttgagttt ggatcttggg tcattctcaa gcctcagaca	1140

gtggttcaaa gtttttttct tccatttcag gtgtcgtga 1179

<210> 214

<211> 292

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 214

gggccccaga agcctggtgg ttgtttgtcc ttctcagggg aaaagtgagg cggccccttg	60
gaggaagggg ccgggcagaa tgatctaatac ggattccaag cagctcaggg gattgtcttt	120
ttctagcacc ttcttgccac tcctaagcgt cctccgtgac cccggctggg atttagcctg	180
gtgctgtgtc agccccggtc tcccaggggc ttcccagtgg tccccaggaa ccctcgacag	240
ggccccggtct ctctcgtcca gcaagggcag ggacgggcca caggccaagg gc	292

<210> 215

<211> 1325

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 215

gctgcctact gaggcacaca ggggcgcctg cctgctgccc gctcagccaa ggcggtgttg	60
ctggagccag cttgggacag ctctcccaac gctctgccct ggccttgcca cccactctct	120
gggccgtagt tgtctgtctg ttaagtgagg aaagtgccca tctccagagg cattcagcgg	180
caaagcaggg cttccagggt cgcaccccat agcaggactt cttggatttc tacagccagt	240
cagttgcaag cagcacccaa attatttcta taagaagtgg caggagctgg atctgaagag	300
tcagcagtct acctttccct gtttcttgtg ctttatgcag tcaggaggaa tgatctggat	360
tccatgtgaa gcctgggacc acggagaccc aagacttcct gcttgattct ccctgcgaac	420
tgcaggctgt gggctgagcc ttcaagaagc aggagtcccc tctagccatt aactctcaga	480

gctaacctca tttgaatggg aacactagtc ctgtgatgtc tggaagggtgg gggcctctac	540
actccacacc ctacatggtg gtccagacac atcattccca gcattagaaa gctctagggg	600
gacccgttct gttccctgag gcattaaagg gacatagaaa taaatctcaa gctctgaggc	660
tgatgccagc ctcagactca gcctctgcac tgtatgggcc aattgtagcc ccaaggactt	720
cttcttgctg cacccttat ctgtccacac ctaaacgat gggcttctat tagttacaga	780
actctctggc ctgttttggt ttgctttgct ttgttttggt ttgttttttt gtttttttgt	840
tttttagcta tgaaacagag gtaatatcta atacagataa cttaccagta atgagtgtt	900
cctacttact ggggtactggg aagaagtgtt ttacacatat tttctcattt aatctacaca	960
ataagtaatt aagacatttc cctgaggcca cgggagagac agtggcagaa cagttctcca	1020
aggaggactt gcaagttaat aactggactt tgcaaggctc tgggtggaac tgtcagcttg	1080
taaaggatgg agcacagtgt ctggcatgta gcaggaacta aaataatggc agtgattaat	1140
gttatgatat gcagacacaa cacagcaaga taagatgcaa tgtaccttct ggggtcaaacc	1200
accctggcca ctctctcccg ataccaggg ttgatgtgct tgaattagac aggattaaag	1260
gcttactgga gctggaagcc ttgccccaac tcaggagttt agccccagac cttctgtcca	1320
ccagc	1325

<210> 216

<211> 883

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 216

gagtcaatgg gaaaaaccca 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

ccaatggggtt ttgcccagta cataagggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt acactgagtc aatagggtact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtggggcctg aaataacctc tgaaagagga acttggttag gtaccttctg aggctgaaag	480
aaccagctgt ggaatgtgtg tcagttaggg tgtggaaagt cccaggctc cccagcaggc	540
agaagtatgc aaagcatgca tctcaattag tcagcaacca ggtgtggaaa gtccccaggc	600
tccccagcag gcagaagtat gcaaagcatg catctcaatt agtcagcaac catagtccca	660
ctagtggaga agagcatgct tgagggtga gtgcccctca gtgggcagag agcacatggc	720
ccacagtccc tgagaagttg gggggagggg tgggcaattg aactggtgcc tagagaaggt	780
ggggcttggg taaactggga aagtgatgtg gtgtactggc tccacctttt tccccagggt	840
gggggagaac catatataag tgcagtagtc tctgtgaaca ttc	883

<210> 217

<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 217

gggcctgaaa taacctctga aagaggaact tggtaggta cttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttagggtgt ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccagggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240
gtggagaaga gcatgcttga gggctgagtg cccctcagtg ggcagagagc acatggccca	300
cagtccctga gaagttgggg ggaggggtgg gcaattgaac tggcgcctag agaaggtggg	360
gcttgggtaa actgggaaag tgatgtggtg tactggctcc acctttttcc ccagggtggg	420
ggagaaccat atataagtgc agtagtctct gtgaacattc aagcttctgc cttctccctc	480
ctgtgagttt ggtaagtcac tgactgtcta tgcctgggaa aggggtgggca ggagatgggg	540

cagtgcagga aaagtggcac tatgaaccct gcagccctag acaattgtac taaccttctt	600
ctcttttctc tcctgacagg ttggtgtaca gtagcttcc	639

<210> 218
 <211> 1272
 <212> DNA
 <213> Artificial Sequence

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

<400> 218	
aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgtgcc tctgaagtcc aactgaaca 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 tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt 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 ggtactggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagaggg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccaccccctc caccttggac acaggacgct	900
gtggtttctg agccaggtac aatgactcct ttcggttaagt gcagtggaag ctgtacactg	960
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020

cccctgtttg ctctccgat aactggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaaata acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt gaataattac tctaaggtaa atataaaatt	1200
tttaagtgtg taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac	1260
ctttggaact ga	1272

<210> 219
 <211> 547
 <212> DNA
 <213> Artificial Sequence

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

<400> 219	
ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcttttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcagatccc agccagtgga cttagcccct	300
gtttgtcctt ccgataactg ggggtgacctt gggttaatat caccagcagc ctccccggtt	360
gcccctctgg atccactgct taaatacgga cgaggacagg gccctgtctc ctgagcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaataata aaatttttaa	480
gtgtataatg tggttaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540
gaactga	547

<210> 220
 <211> 709
 <212> DNA
 <213> Artificial Sequence

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

<400> 220
 cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
 gggctaagtc cacatacggg ggaggctgct ggtgaatatt aaccaaggtc accccagtta 120
 tcggaggagc aaacaggggc taagtccaca tagggctgga agctaccttt gacatcattt 180
 cctctgcgaa tgcatgtata atttctacag aacctattag aaaggatcac ccagcctctg 240
 cttttgtaca actttccctt aaaaaactgc caattccact gctgtttggc ccaatagtga 300
 gaactttttc ctgctgcctc ttggtgcttt tgcctatggc ccctattctg cctgctgaag 360
 acactcttgc cagcatggac ttaaaccctt ccagctctga caatcctctt tctcttttgt 420
 tttacatgaa gggctctggca gccaaagcaa tcaactcaaag ttcaaaccct atcatttttt 480
 gctttgttcc tcttggcctt ggttttgtac atcagctttg aaaataccat cccagggtta 540
 atgctggggg taatttataa ctaagagtgc tctagttttg caatacagga catgctataa 600
 aaatggaaag atctcctgaa gaggtaaggg ttttaagggat ggttggttgg tgggggtatta 660
 atgtttaatt acctggagca cctgcctgaa atcacttttt ttcaggttg 709

<210> 221
 <211> 460
 <212> DNA
 <213> Artificial Sequence

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

<400> 221
 gggctggaag ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa 60
 cctattagaa aggatcaccc agcctctgct tttgtacaac tttcccttaa aaaactgcca 120
 attccactgc tgtttggccc aatagtgaga actttttcct gctgcctctt ggtgcttttg 180
 cctatggccc ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc 240
 agctctgaca atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc 300
 actcaaagtt caaaccttat cattttttgc tttgttcctc ttggccttgg ttttgtacat 360
 cagctttgaa aataccatcc cagggttaat gctgggggta atttataact aagagtgtctc 420

tagtttttgca atacaggaca tgctataaaa atggaaagat 460

<210> 222

<211> 699

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 222

cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cacatacggg ggaggctgct ggtgaatatt aaccaaggtc accccagtta 120
tcggaggagc aaacaggggc taagtccaca taccctaaaa tgggcaaaca ttgcaagcag 180
caaacagcaa acacacagcc ctccctgcct gctgaccttg gagctggggc agaggtcaga 240
gacctctctg ggcccatgcc acctccaaca tccactcgac cccttggaat ttttcggtgg 300
agaggagcag aggttgctct ggcgtaggtt aggtagtgtg agaggggaat gactcctttc 360
ggtaagtgca gtggaagctg tacactgccc aggcaaagcg tccgggcagc gtaggcgggc 420
gactcagatc ccagccagtg gacttagccc ctgtttgctc ctccgataac tggggtgacc 480
ttggttaata ttcaccagca gcctcccccg ttgcccctct ggatccactg cttaaatacg 540
gacgaggaca gggccctgtc tcctcagctt caggcaccac cactgacctg ggacagtga 600
tccggactct aaggtaaata taaaattttt aagtgtataa tgtgttaaac tactgattct 660
aattgtttct ctcttttaga ttccaacctt tggaactga 699

<210> 223

<211> 681

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 223

aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60

tgtttgctct ggtaataat ctcaggagca caaacattcc agatccaggt taattttta	120
aaagcagtca aaagtccaag tggcccttgg cagcatttac tctctctgtt tgctctgggt	180
aataatctca ggagcacaaa cattccagat cctgctctcc agggctggaa gctaccttg	240
acatcatttc ctctgcgaat gcatgtataa tttctacaga acctattaga aaggatcacc	300
cagcctctgc ttttgtacaa ctttccctta aaaaactgcc aattccactg ctgtttggcc	360
caatagttag aactttttcc tgctgcctct tgggtgcttt gcctatggcc cctattctgc	420
ctgctgaaga cactcttgcc agcatggact taaaccctc cagctctgac aatcctcttt	480
ctcttttggt ttacatgaag ggtctggcag ccaaagcaat cactcaaagt tcaaacctta	540
tcattttttg ctttgttcct cttggccttg gttttgtaca tcagctttga aaataccatc	600
ccagggttaa tgctgggggt aatttataac taagagtgtc ctagttttgc aatacaggac	660
atgctataaa aatggaaaga t	681

<210> 224

<211> 532

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 224

gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgccaatg	60
atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat	120
gggtggagta tttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag	180
tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg ccagttacat	240
gaccttatgg gactttccta cttggcagta catctatgta ttagtcattg ctattacat	300
gggaattcac tagtggagaa gagcatgctt gagggctgag tgcccctcag tgggcagaga	360
gcacatggcc cacagtccct gagaagttgg ggggaggggt gggcaattga actggtgcct	420
agagaaggtg gggcttgggt aaactgggaa agtgaatgtg tgtactggct ccaccttttt	480

ccccaggggtg ggggagaacc atatataagt gcagtagtct ctgtgaacat tc 532

<210> 225

<211> 955

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 225

gagtcaatgg gaaaaaccca ttggagccaa gtacactgac tcaataggga ctttccattg	60
ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc	120
caagtacatt gagtcaatag ggactttcca atgggttttg ccagtacat aagggtcaatg	180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgcccagta cataagggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggtact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtggttacat aacttatggt aaatggcctg cctggctgac tgcccaatga cccctgcca	480
atgatgtcaa taatgatgta tgttcccatg taatgccaat agggactttc cattgatgtc	540
aatgggtgga gtatttatgg taactgcca cttggcagta catcaagtgt atcatatgcc	600
aagtatgccc cctattgatg tcaatgatgg taaatggcct gcctggcatt atgcccagta	660
catgacctta tgggactttc ctacttggca gtacatctat gtattagtca ttgctattac	720
catgggaatt cactagtgga gaagagcatg cttgagggtc gagtggccct cagtgggcag	780
agagcacatg gcccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactgggtg	840
cctagagaag gtggggcttg ggtaaactgg gaaagtgatg tgggtgtactg gctccacctt	900
tttccccagg gtgggggaga accatatata agtgcagtag tctctgtgaa cattc	955

<210> 226

<211> 955

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 226

gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgcccgaatg	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 ctattacat	300
gggagtcaat gggaaaaacc cattggagcc aagtacactg actcaatagg gactttccat	360
tgggttttgc ccagtacata aggtcaatag ggggtgagtc aacaggaaag tcccattgga	420
gccaagtaca ttgagtcaat agggactttc caatgggttt tgcccagtac ataagggtcaa	480
tgggaggtaa gccaatgggt ttttcccatt actgacatgt atactgagtc attagggact	540
ttccaatggg ttttgcccag tacataaggt caataggggt gaatcaacag gaaagtccca	600
ttggagccaa gtacactgag tcaataggga ctttcattg ggttttgccc agtacaaaag	660
gtcaataggg ggtgagtcaa tgggtttttc ccattattgg cacatacata aggtcaatag	720
gggtggaatt cactagtgga gaagagcatg cttgagggt gagtgcccct cagtgggcag	780
agagcacatg gccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactgggtg	840
cctagagaag gtggggcttg ggtaaactgg gaaagtgatg tgggtgtactg gctccacctt	900
tttccccagg gtggggggaga accatatata agtgcagtag tctctgtgaa cattc	955

<210> 227

<211> 1923

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 227

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
cggtaaattg cccgcctggc attatgcca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatggtc gaggtgagcc ccacgttctg	540
cttcactctc cccatctccc cccctcccc acccccaatt ttgtatttat ttatTTTTTA	600
attatTTTgt gcagcgatgg gggcgggggg gggggggggg cgcgcgccag gcggggcggg	660
gcggggcgag gggcggggcg gggcgaggcg gagagggtgc gcggcagcca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcgggcg cggcgggcct ataaaaagcg	780
aagcgcgcg gcggcgggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccc	840
ccgcctcgcg ccggccgccc cggctctgac tgaccgcgtt actcccacag gtgagcgggc	900
gggacggccc ttctcctccg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
ggctcggggg gtgcgtgcgt gtgtgtgtgc gtggggagcg ccgcgtgcgg ccgcgtgc	1080
ccggcggctg 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 gcgccggcgg ctgtcgaggc gcggcgagcc gcagccattg ctttttatgg	1500
taatcgtgcg agagggcgca gggacttcct ttgtcccaa tctgtgcgga gccgaaatct	1560

gggaggcgcc gccgcacccc ctctagcggg cgcggggcga agcgggtgcgg cgccggcagg	1620
aaggaaatgg gcggggaggg ccttcgtgcg tcgccgcgcc gccgtcccct tctccctctc	1680
cagcctcggg gctgtccgcg 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> 228

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 228

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
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 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 tcgccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggctag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc ccaacccgg ctaattTTTT	720

ctatTTTTga cagggacggg gtttcaccat gttggtcagg ctggtctaga ggtaccggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagaggg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccaccccctc caccttggac acaggacgct	900
gtggTTTTctg agccaggtag aatgactcct ttcggtaagt gcagtgggaag ctgtacactg	960
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactgggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaaata acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt gaatccggac tctaaggtaa atataaaatt	1200
tttaagtgtg taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac	1260
ctttggaact ga	1272

<210> 229

<211> 826

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 229

gagtcaatgg gaaaaaccca ttggagccaa gtacactgac tcaataggga ctttccattg	60
ggTTTTgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc	120
caagtacatt gagtcaatag ggactttcca atgggTTTTg ccagttacat aagggtcaatg	180
ggaggtaagc caatggggtt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatggggtt ttgcccagta cataagggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt acactgagtc aatagggact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggTTTTtccc attattggca catacataag gtcaataggg	420
gtgactagtg gagaagagca tgcttgaggg ctgagtggcc ctgagtgggc agagagcaca	480
tggcccacag tccctgagaa gttggggggg ggggtgggca attgaactgg tgcctagaga	540
aggtgggggt tgggtaaact gggaaagtga tgtggtgtac tggctccacc tttttcccca	600

gggtggggga gaaccatata taagtgcagt agtctctgtg aacattcaag cttctgcctt	660
ctccctcctg tgagtttggg aagtcactga ctgtctatgc ctgggaaagg gtgggcagga	720
gatggggcag tgcaggaaaa gtggcactat gaaccctgca gccctagaca attgtactaa	780
ccttcttctc tttcctctcc tgacaggttg gtgtacagta gcttcc	826

<210> 230
 <211> 399
 <212> DNA
 <213> Artificial Sequence

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

<400> 230	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacacgcgtg gtaccgtctg tctgcacatt tcgtagagcg agtgttccga	120
tactctaadc tccctaggca aggttcatat ttgtgtaggt tacttattct cttttgttg	180
actaagtcaa taatcagaat cagcaggttt ggagtcagct tggcagggat cagcagcctg	240
ggttggaagg aggggggtata aaagcccctt caccaggaga agccgtcaca cagatccaca	300
agctcctgaa gaggtaaggg tttaagggat ggttggttgg tgggggtatta atgtttaatt	360
acctggagca cctgcctgaa atcacttttt ttcaggttg	399

<210> 231
 <211> 654
 <212> DNA
 <213> Artificial Sequence

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

<400> 231	
gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc	60
catatatgga gttccgcgtt acataactta cggtaaatgg cccgcctggc tgaccgccca	120
acgacccccg cccattgacg tcaataatga cgtatgttcc catagtaacg ccaataggga	180

ctttccattg acgtcaatgg gtggactatt tacggtaaac tgcccacttg gcagtacatc	240
aagtgtatca tatgccaaagt acgcccccta ttgacgtcaa tgacggtaaa tggcccgct	300
ggcattatgc ccagtacatg accttatggg actttcctac ttggcagtac atctacgtat	360
tagtcatcgc tattaccatg gtgatgcggt tttggcagta catcaatggg cgtggatagc	420
ggtttgactc acggggattt ccaagtctcc accccattga cgtcaatggg agtttgtttt	480
ggcaccaaaa tcaacgggac tttccaaaat gtcgtaacaa ctccgccccca ttgacgcaaa	540
tgggcggtag gcgtgtacgg tgggaggtct atataagcag agctctcttg ctaactagag	600
aaccactgc ttactggctt atcgaaatta atacgactca ctataggag accc	654

<210> 232

<211> 500

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 232

gggtagggga ggcgcttttc ccaaggcagt ctggagcatg cgcttttagca gccccgctgg	60
gcacttggcg ctacacaagt ggcctctggc ctgcacaca ttccacatcc accggtaggc	120
gccaaccggc tccgttcttt ggtggcccct tcgcgccacc ttctactcct cccctagtca	180
ggaagttccc ccccgccccg cagctcgcgt cgtgcaggac gtgacaaatg gaagtagcac	240
gtctcactag tctcgtgcag atggacagca ccgctgagca atggaagcgg gtaggccttt	300
ggggcagcgg ccaatagcag ctttgctcct tcgctttctg ggctcagagg ctgggaaggg	360
gtgggtccgg gggcgggctc aggggcgggc tcaggggcgg ggcgggcgcc cgaaggtcct	420
ccggaggccc ggcattctgc acgcttcaaa agcgcacgtc tgccgcgctg ttctcctctt	480
cctcatctcc gggcctttcg	500

<210> 233

<211> 450

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 233

gggcctgaaa taacctctga aagaggaact tggtaggta cttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttagggtgt ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240
gttcagatg gtaaataatac acaagggtatt tagtcaaaca attttttggc aagaatatta	300
tgaattttgt aatcggttgg cagccaatga aatacaaaga tgagtctagt taataatcta	360
caattattgg ttaaagaagt atattagtgc taatttcctt ccgtttgtcc tagcttttct	420
cttctgtcaa cccacacgc ctttggcacc	450

<210> 234

<211> 594

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 234

gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc	60
catatatgga gttccgcgtt acataactta cggtaaattgg cccgcctggc tgaccgcca	120
acgacccccg ccattgacg tcaataatga cgtatgttcc catagtaacg ccaataggga	180
ctttccattg acgtcaatgg gtggactatt tacggtaaac tgcccacttg gcagtacatc	240
aagtgtatca tatgccaagt acgcccccta ttgacgtcaa tgacggtaaa tggccgcct	300
ggcattatgc ccagtacatg accttatggg actttcctac ttggcagtac atctacgtat	360
tagtcatcgc tattaccatg actagttcca gatggtaaata atacacaagg gatttagtca	420
aacaattttt tggcaagaat attatgaatt ttgtaatcgg ttggcagcca atgaaataca	480

aagatgagtc tagttaataa tctacaatta ttggttaaag aagtatatta gtgctaattt 540

ccctccgttt gtcctagctt ttctcttctg tcaacccac acgcctttgg cacc 594

<210> 235

<211> 1210

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 235

ggcctccgcg ccgggttttg ggcctcccg cgggcgcccc ctcctcacg gcgagcgctg 60

ccacgtcaga cgaagggcgc aggagcgctc tgatccttc gcccgacgc tcaggacagc 120

ggcccgctgc tcataagact cggccttaga accccagtat cagcagaagg acattttagg 180

acgggacttg ggtgactcta gggcactggt tttctttcca gagagcgga caggcgagga 240

aaagtagtcc cttctcggcg attctgcgga gggatctccg tggggcggtg aacgccgatg 300

attatataag gacgcgccgg gtgtggcaca gctagttccg tcgcagccgg gatttgggtc 360

gcggttcttg tttgtggatc gctgtgatcg tcacttggtg agtagcgggc tgctgggctg 420

gccggggctt tcgtggccgc cgggccgctc ggtgggacgg aagcgtgtgg agagaccgcc 480

aagggtgta gtctgggtcc gcgagcaagg ttgccctgaa ctgggggttg gggggagcgc 540

agcaaatgg cggctgttcc cgagtcttga atggaagacg cttgtgaggc gggctgtgag 600

gtcgttgaaa caaggtgggg ggcatggtgg gcggcaagaa cccaaggtct tgaggccttc 660

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acgtgaagtt tgtcactgac tggagaactc ggtttgtcgt ctgttgcggg ggcggcagtt 780

atgcggtgcc gttgggcagt gcacccgtac ctttgggagc gcgcgccctc gtcgtgtcgt 840

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acaggcgccg gacctctggt gaggggaggg ataagtgagg cgtcagtttc tttggtcgg 1020

tttatgtacc tatcttctta agtagctgaa gctccggttt tgaactatgc gctcgggggt 1080

ggcgagtgtg ttttgtgaag ttttttaggc accttttgaa atgtaatcat ttgggtcaat	1140
atgtaatttt cagtgttaga ctagtaaatt gtccgctaaa ttctggccgt ttttggcttt	1200
tttgtagac	1210

<210> 236

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 236

ttaagggttg agtgtgagga aaggtctgag ggttgagaag ggggtggagga tgcacctggg	60
cctatgacag ggggccacgg aggtggctga tggcaaaagc tgggggactc caactgctga	120
tgctgaaaca agcttgtgtc tcacatacac agggacagtt cactgagctt caatgacagg	180
cacctcctgc tcatcacatc ttttctctct aggacagctt tgcccttatt ttaactagac	240
ttcccttgaa caaaaggga aggctacatg ctgtgacttg ctgggcagcc tggaaaggcg	300
ggccactcct agccacagag atgagacaga gttcagacaa gagcttatcc ccagtcttcc	360
ttttctattt tgtttatttt attttatttt tttatttatt gagacagagt ctctgtcacc	420
caggctgggg tgcagtgatg cgacattggc ttactgcagt ctccacctcc tgggctcagg	480
tgatcctccc acctcagcct cccgaatagc tgggatcaca gtagtgcacc accatacctg	540
gctaattttt ttgtatttt tgtacagaca aaatttcacc acattgcca ggctgggtctc	600
gaactcctgg actcaagcga tccgcccacc tcagcctccc aaagtgctcg gattacaggc	660
atgagccact atgcccagcc ttgctcttcc tttaaagcct cctgtccttc cccaggctcc	720
cagttcatag caggatcaaa ggtcactggg cgctcacccc gtcttcaaga tgctctttcc	780
tatgtcactg cttacgcca ggtcagatgt gactagagcc taaggagctc ccacctcct	840
ctctgtgctg ggactcacag agggagacct caggaggcag tctgtccatc acatgtccaa	900
atgcagagca taccctgggc tgggcgcagt ggcgcacaac tgtaattcca gcactttggg	960

aggctgatgt ggaaggatca cttgagccca gaagttctag accagcctgg gcaacatggc	1020
aagaccctat ctctacaaaa aaagttaaaa aatcagccac gtgtgggtgac acacacctgt	1080
agtcccagct attcaggagg ctgaggtgag gggatcactt aaggctggga ggttgaggct	1140
gcagtgagtc gtggttgctc cactgcactc cagcctgggc aacagtgaga ccctgtctca	1200
aaagacaaaa aaaaaaaaaa aaaaaaaaaag aacatatacct ggtgtggagt aggggacgct	1260
gctctgacag aggctcgggg gcctgagctg gctctgtgag ctggggagga ggcagacagc	1320
caggccttgt ctgcaagcag acctggcagc attgggctgg ccgccccca gggcctcctc	1380
ttcatgcca gtgaatgact caccttgga cagacacaat gttcggggtg ggcacagtgc	1440
ctgcttcccg ccgcaccca gccccctca aatgccttc gagaaagcca ttgagcaggg	1500
ggcttgcat gaccccagc ctgacagcct ggcatcttg gataaaagca gcacagcccc	1560
ctaggggctg cccttgctgt gtggcgccac cggcgggtga gaacaaggct ctattcagcc	1620
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acagggccca ggtctcaggc tcctagttag gccagtggc tccagcgttt ccaaaccat	1860
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ccagcacagc cagctcatgt gtaacggctt tgtggagctg tcaaggcctg gtctctggga	2040
gagaggcaca gggaggccag acaaggaagg ggtgacctgg agggacagat ccaggggcta	2100
aagtcctgat aaggcaagag agtgccggcc ccctcttgcc ctatcaggac ctccactgcc	2160
acatagaggc catgattgac ccttagacaa agggctggtg tccaatcca gccccagcc	2220
ccagaactcc agggaatgaa tgggcagaga gcaggaatgt gggacatctg tgttcaaggg	2280
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gagataatgc ctgggttatg aaatcaaaaa gttggaaagc aggtcagagg tcatctggta	2460

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catgggtctgg ctccaggtac cacctgcctc atgcaggagt tggcgtgccc aggaagctct	2820
gcctctgggc acagtgacct cagtgggggtg aggggagctc tccccatagc tgggctgcgg	2880
cccaaccca cccctcagg ctatgccagg ggggtgttgcc aggggcaccc gggcatcgcc	2940
agtctagccc actccttcat aaagccctcg catcccagga gcgagcagag ccagagcagg	3000

<210> 237

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 237

acgatttccc ttcacctctt attaccctgg tgggtgggtggg gggggggggg ggggtgctctc	60
tcagcaaccc caccctggga tcttgaggag aaagagggca gagaaaagag ggaatgggac	120
tggcccagat ccagcccca cagccgggct tccacatggc cgagcaggaa ctccagagca	180
ggagcacaca aaggaggggt ttgatgcgcc tccagccagg ccagggcctc tcccctctcc	240
cctttctctc tgggtcttcc ttgccccac tgagggcctc ctgtgagccc gatttaacgg	300
aaactgtggg cggtgagaag ttccttatga cacactaatc ccaacctgct gaccggacca	360
cgcctccagc ggagggaacc tctagagctc caggacattc aggtaccagg tagccccaag	420
gaggagctgc cgacctggca ggtaagtcaa tacctggggc ttgcctgggc caggagagccc	480
aggactgggg tgaggactca ggggagcagg gagaccacgt cccaagatgc ctgtaaaact	540
gaaaccacct ggccattctc caggttgagc cagaccaatt tgatggcaga tttagcaaat	600
aaaaatacag gacaccagc taaatgtgaa tttcagatga acagcaaata cttttttagt	660

attaaaaaag ttcacattta ggctcacgcc tgtaatccca gcactttggg aggccgaggc	720
aggcagatca cctgaggtca ggagttcgag accagcctgg ccaacatggt gaaaccccat	780
ctccactaaa aataccaaaa attagccagg cgtgctggtg ggcacctgta gttccagcta	840
ctcaggaggc taaggcagga gaattgcttg aacctgggag gcagaggttg cagtgaagctg	900
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aatcagtatt tttaaaactc aaagttaatg gcttgggcat atttagaaaa gagttgccgc	1140
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ccatcctact ttacaggga caaccaagac tgggggttaa tctcacagcc tgcaagtgga	2160

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catttcagt ctctgtatta tgtacttatg taactgggtca tcacccatct tgagaatgaa	2460
tgcatgggg aaagggccat ccactaggct gcgaagtttc tgagggactc cttcgggctg	2520
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agaacagagc cagattcttt ttttcctggc agggccaact tgttttaaca tctaaggact	2640
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catctccctc agagccacca ggaagtgtt taaattgcag gttcctaggc cacagcctgc	2760
acctgcagag tcagaatcat ggaggttggg acccaggcac ctgcgtttct aacaaatgcc	2820
tcgggtgatt ctgatgcaat tgaaagtttg agatccacag ttctgagaca ataacagaat	2880
ggtttttcta acccctgcag ccctgacttc ctatcctagg gaaggggccg gctggagagg	2940
ccaggacaga gaaagcagat cccttctttt tccaaggact ctgtgtcttc cataggcaac	3000

<210> 238

<211> 718

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 238

gaacaaaagc aatggtgaag acagtgatgg acaacaggca agcagtgggtg ataagcaaaa	60
acatgtagtg tttcctcttt aataagttct cagctaaagt tctcagcctt gttgaaagga	120
cctggatact gaactgtgcc gaagaaggat agcaggggta aaacatgcaa agacagcacc	180
tcatatacct ctaatgttgt taacaatagc taacttttat caaacagtgt cctgtcacca	240
tgacagttac aacataatga taatgactgt actttctcta accaggtcta gatcacttat	300

aataaatata tcttttagta attgagtaaa tgaattacag tgaggataac agcaaagaaa	360
tggtggacag atgtttacac caagaaagta tgatgactga ggtcagctca ggactgcatg	420
gcaggcccac atggctcttt tttatccaac tcactactcc ctctcccttg aaaggatcca	480
agtctggaaa atagccaaaa cactgttatg taaacaccaa gtccaaataa tgtgcaagca	540
tctaaagtat tgaaagccac ttttgttacc ttccatcagc tgaggggtgg agagggttcc	600
cagagccgca ggctcctcca ataaggatta gattgcatac aaaaaagccc tggctaagaa	660
cttgcttcct catcctacag ctggtaccag aactctctct aatcttcact ggaagaaa	718

<210> 239

<211> 1313

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 239

ggagccgaga gtaattcata caaaaggagg gatcgcttc 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 cgcgggcccc ggagctggag ccctgctctg agcgggcccgg gctgatatgc	420
gagtgtcgtc cgcagggttt agctgtgagc attcccactt cgagtggcgg gcggtgcggg	480
ggtgagagtg cgaggcctag cggcaacccc gtagcctcgc ctctgtgtccg gcttgaggcc	540
tagcgtggtg tccgccgccg cgtgccactc cggccgcact atgcgttttt tgtccttgct	600
gccctcgatt gccttccagc agcatgggct aacaaaggga ggggtgtgggg ctactctta	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 ccgcccggca	900
ccagttgctt gcgcggaaag atggccgtc ccggggccct gttgcaagga gctcaaaatg	960
gaggacgcgg cagcccgggtg gagcggggcgg gtgagtcacc cacacaaagg aagagggcct	1020
tgccccctgc cggccgtgc ttcctgtgac cccgtggtct atcgcccgca tagtcacctc	1080
gggcttctct tgagcaccgc tcgtcgcggc ggggggaggg gatctaattg cgttggagtt	1140
tgttcacatt tggtaggttg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttagatttg gagcgaggct aattctcaag cctcttagcg gttcaaaggt	1260
atcttctaaa cccgtttcca ggtgttgtga aagccaccgc taattcaaag caa	1313

<210> 240

<211> 1420

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 240

ggcctgaaat aacctctgaa agaggaactt ggtaggtac cttctgaggc ggaaagaacc	60
agctgtggaa tgtgtgtcag ttaggggtgtg gaaagtcccc aggctcccca gcaggcagaa	120
gtatgcaaag catgcatctc aattagtcag caaccagggtg tggaaagtcc ccaggctccc	180
cagcaggcag aagtatgcaa agcatgcatc tcaattagtc agcaaccata gtcccactag	240
tggctccggt gcccgtcagt gggcagagcg cacatcgccc acagtccccg agaagttggg	300
gggaggggtc ggcaattgaa ccggtgccta gagaaggttg cgcggggtaa actgggaaag	360
tgatgtcgtg tactggctcc gcctttttcc cgagggtggg ggagaaccgt atataagtgc	420
agtagtcgcc gtgaacgttc tttttcgcaa cgggtttgcc gccagaacac aggtaagtgc	480
cgtgtgtggt tcccgcgggc ctggcctctt tacgggttat ggcccttgcg tgccttgaat	540
tacttccacc tggctgcagt acgtgattct tgatcccag cttcgggttg gaagtgggtg	600

ggagagttcg aggccttgcg cttaaggagc cccttcgcct cgtgcttgag ttgaggcctg	660
gcctggggcgc tggggccgcc gcgtgcgaat ctgggtggcac cttcgcgcct gtctcgctgc	720
tttcgataag tctctagcca tttaaaattt ttgatgacct gctgcgacgc tttttttctg	780
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agttgcgtga gcggaaagat ggccgcttcc cggccctgct gcaggaggct caaaatggag	1080
gacgcggcgc tcgggagagc gggcgggtga gtcaccaca caaaggaaaa gggcctttcc	1140
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ttagttctcg agcttttgga gtacgtcgtc tttaggttgg ggggaggggt tttatgcgat	1260
ggagtttccc cacactgagt ggggtggagac tgaagttagg ccagcttggc acttgatgta	1320
attctccttg gaatttgccc tttttgagtt tggatcttgg ttcatttca agcctcagac	1380
agtggttcaa agtttttttc ttccatttca ggtgtcgtga	1420

<210> 241

<211> 1831

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 241

tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
ttggccattg catagtttgt atctatatca taatatgtac atttatattg gctcatgtcc	120
aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgcccaacg acccccgcgc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360

ccacttggca gtacatcaag tgtatcatat gccaagtccg cccctattg acgtcaatga	420
cggtaaattgg ccgcctggc attatgccca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatgggg agccgagagt aattcataca	540
aaaggaggga tcgccttcgc aaggggagag cccagggacc gtccctaaat tctcacagac	600
ccaaatccct gtagccgcc cacgacagcg cgaggagcat gcgccagggg ctgagcgcg	660
gtagatcaga gcacacaagc tcacagtccc cggcgggtggg gggaggggcg cgctgagcg	720
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cttcccaggg gtgggggaga acggtatata agtgcggtag tcgccttgga cgttcttttt	840
cgcaacgggt ttgccgtcag aacgcagggtg agtggcgggt gtggcttcg cgggccccgg	900
agctggagcc ctgctctgag cgggccgggc tgatatgcga gtgtcgtccg cagggtttag	960
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cttgccctcc aacaagggtg aggccgtccc gcccggcacc agttgcttgc gcggaaagat	1440
ggccgctccc ggggccctgt tgcaaggagc tcaaatgga ggacgcggca gcccggtgga	1500
gcgggcgggt gagtcaccca cacaaggaa gagggccttg cccctcgccg gccgctgctt	1560
cctgtgacct cgtgggtctat cggccgcata gtcacctcg gcttctcttg agcaccgctc	1620
gtcgcggcgg ggggagggga tctaattggcg ttggagtttg ttcacatttg gtgggtggag	1680
actagtcagg ccagcctggc gctggaagtc attcttggaa ttgtcccctt tgagtttgga	1740
gcgaggctaa ttctcaagcc tcttagcggg tcaaaggat tttctaaacc cgtttccagg	1800
tgttgtgaaa gccaccgcta attcaaagca a	1831

<210> 242
<211> 3000
<212> DNA
<213> Artificial Sequence

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

<400> 242
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acatgaaccc aagagggtgga ggttgcagtg agccaagatt gagccactgt actccagcct 120
gggcaacaga gcaagacttg gtctcagaaa aaaaaaaaaa gtgtatgtct tgactttaaa 180
aaattcaata aactgacctg tcttttttta aaaaacagcc ttttgagggt ataatttaca 240
tatcacagag ttcacctatg taaagtattc aatggttttc aatatattaa cagagttgtg 300
cgaccatcac cataatctaa ctttagaaca ttttcttcat ccccaaaaga aaccttatat 360
ctgttaccag tcaactccta ttcccctccc acccctaccc ctaccccagc attaggcaac 420
cacttattta ttttctgtcc ctatagattt gcctatcttg gacatttcat gtaaattggaa 480
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tggactatth tcaataatat tcatttatgt tttctgtttg ttatgctttt tttagtttct 660
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tttgcttatt tagaaactat agattttact ggtacttttt cattgctttt tcttaaaatt 780
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tacctggatt ttggtatatg caaatTTTgg tatacatggg agtgctagaa ccaatctcct	1680
gcatatactg agggacattt ctatataatg tatctaagtt ttgactgata tctattccaa	1740
tcaattcttg gtgtctactg ttaatttgaa gaatcaggta attgcttctg gaaaattctt	1800
agcaattatc tctttaatta ttacacttct gtcattctcc actctctgct tctgggattc	1860
caattaggtg aatttagaag attttcataa ctccccctt ctctctttta tttgtacatg	1920
tgtgtatata tgtatgtaat acatatcacg gtctcctcct gtgacctcca tgggtctgca	1980
tttcatcata aggaatagat gcttcaatgg tggccagcag tttcctcagg gtcttctcag	2040
cagtgcattg ggcccacatt agctcctctg gctccaagcg aagagatggg ctctagcccc	2100
ctgtttgatt tggggcactt acagtcctct cgccagctaa actctcacac tcgtcagcat	2160
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aaataaataa agcacagata agcagaaaga ataaccatcc atccaacaac tagaggaaaa	2700
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tttcagggag ttattaaccg attttaaaac ttttgtctga gattgattag taaagattat	2880
ttcttgaacc aaattgttct ttcgtttggc tactttgatt aaagaagaaa gaagagataa	2940
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<210> 243

<211> 3095

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 243

tatggcacaa gcaatctctt atttttatct tagtgcataa ataaatTTTT cttttttgcc	60
agaataatTT tttttaaaga agcgattagt ttttcttctc tcagatagca atgatgtgct	120
ttcctctcaa cctagattta gggcattttt atgtgagata ggattaaaaa ttccattttt	180
gtacaaccac tatggagaac agtttggcag ttccccaaaa aactaaaaat agagctacta	240
tatgatctag tgatcccact gctgggtata tacctataag aaaggaaatc agtatatcaa	300
agagatgtct gttcttttat gtttgttgca gcactgttca caatagccaa gatctggaag	360
caacccaagt ctccatcaac atgggtttta aaaaaatgtg gtactttaat acacaatgga	420
gtactattca gcaataaaaa agaattgagat cctgttattt gcaataacat ggacagaact	480
ggaggtcatt atgtcaaag aaataagcca ggcacagaaa gccaaacatc acatattctc	540
actcatatgt ggggtctaaa aatcaaaaca atctgattca tggagctaga gagtagagag	600
ctaattacca gaggtgggga agggtagtag gggcctggag gggagggtgga gatggttaat	660
aggtacaaaa aaatatagaa agaattgaata agacctagta tttgatagta caacagggcg	720
aatatagtca aaataattta attatacatt taaaaatacc tgaaagagta taattggctt	780
gtttgcaaca caaaagataa atgcttgagg ggatggatgc cccattttca atgatgtgat	840

tattacacat tgcattgcctg tatcaaaaata ttgcacatac tccatgaatg catacatcta	900
ctatgttccc acaaaaatta aacattagaa aaaagagttg cattttcagc tgttatgggg	960
agaagaaaga aaagctatca ttttgttgtc ctaaaaatta tgttgtcctc atttcaaaca	1020
ggaaagcaaa agtatttgag agccagtgcg gtgccttggg gttgggtgaa acatagattg	1080
aatttggggc atttgtttta acttcctagg cctcagtttc ttgcctatta aaagggagtg	1140
catagttcat gggattgtta agaggaagaa gtgaaacat gcacgtggag agcgtggcac	1200
agtgtctaag acagagtgtg catgcaaata agtagataat attctttgct tttctttatt	1260
gcatgcctgt aatatttttg gagttgtcac attcattgcc ctcaagtagc atcaagggat	1320
gaaattatgt ttgtaagaaa atcctgaggc tgaggaatac aacatgtttt atgtctacta	1380
cactgaaaaa tgccggagtc agataaagaa tacagattct cctgaggatg gaaatcaaga	1440
tcttcgcctt caatatttta caacattgag cttccaactt actatgggaa atattcatca	1500
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gaccaaata gtggtagaac caagagttaa accacttggt ttgaatccta aacctgagtt	1740
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agtgggagga gagggatggg cttccagcaa cttttattat tggcttattt tcttacagcc	1860
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cacatccttt ctgaacctct gaacctgctt tccagcattc ttttatactt tgttttacct	1980
cctggtcagt aatgcctcac cctcagtcct ctctaaaagt gtgggttaat gcatcttcct	2040
gactatttga agaccactgg ccaaattcca ccagctcact catagaccat ccccctactt	2100
tactttcttc aaaagactta gccctaccta aacttattta tatgtttatt ttctgcccac	2160
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gcggattatt catataattg ttataaccaga cggtcgcagg cttagtccaa ttgcagagaa	2700
ctcgcttccc aggcttctga gagtcccga agtgcctaaa cctgtctaata cgacggggct	2760
tgggtggccc gtcgctccct ggcttcttcc ctttaccag ggcgggcagc gaagtgggtgc	2820
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cctggagcat ccggcaggct gccctggcct cctgcgtcag gacaacgccc acgaggggcg	2940
ttactgtgcg gagatgcacc acgcaagaga caccctttgt aactctcttc tcctccctag	3000
tgcgaggtta aaaccttcag cccacgtgc tgtttgcaaa cctgcctgta cctgaggccc	3060
taaaaagcca gagacctcac tcccggggag ccagc	3095

<210> 244

<211> 1807

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 244

agcttgtaga tactcggaac aaatgcaatt cttacgaata cttttagtct atacacagaa	60
aaagctggct gaaaaataaa atgattatth ttaatattht aacagttatt aattgtgtgt	120
atgtggcagg cctgtgacag gtagaggaca acttgccata ggcaccatgt gggttccgaa	180
ggatctaact tgtcccatgc ttggcagcaa gcacttatca ctggccatct tcccagtcct	240
agctgtagtt tgcagtatat ttatactgc agcagccact ggcttgtgtg ggagctagtg	300
cctagaccaa accaggattg cttctcttga aaccctctgg cactcattac gtgcttgatg	360

aataaatgga tggacaggtg gctgtgtaca tttctctcac ttctcagttt ctttcagtaa	420
atcccaaat atcattttcc ttcagaaatt ctggcatgat tcattccggg tcctgccctg	480
gcatgcctt ctgtgtttct cattcagtaa gaagtccact cagatttagt tcacattaaa	540
aaataaacag agctttgata tccaaatgtc aacttgcagg gtattagaga agatagggaa	600
ttgcaatfff acatacgatt ttccccgatt ttcagccttg agatttcgtc cttgaaagca	660
tatggcaaatt gtgcatccct ctttgaaatg tactaagatg taaaggggaa tttgaatgta	720
ttaaagtttg cagcaaagag aatataaatg taaacaagaa agaacagtta aatgtgtgag	780
tggatatggg gatgggtaga atgagagacg ggaaccatgt atgtgcgtcg ggatggatag	840
gaaatatgat gaacagatat agctgaggag ggggtgtgaaa aggattgaaa agttgtgcag	900
gtgggcgaat acaagaattg gtgggcaggt gtagtatggc tagattagtg catttgcaga	960
aggaagatgg gtggacagag gaatggatgg gtggattgtg agtcgagaag gatttaagaa	1020
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atcaaagatc agatgagcgg tttggacttc tctcagaggg aaagaggaaa gaacactccc	1140
acaagttccc cacttttcag tccccaccct ggccaggaaa gcactctcca ctaggatgga	1200
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ttctccttgt ccaggcagc gcttctcata ggctggtagg ctgggccagg gtaggaagcc	1440
tgtggagtgg ccctggagaa cgtggggcgg cacgggggct ggggggggag gggggcggcc	1500
attctcttct gtccaagaga gcagggcagg agtgcagggg cagtagcgaa agcaggctgg	1560
tgtgtcttta aacttccgtt ggctgcttag tcacagcccc ctgcctttgg gtgtgtcctt	1620
cgcgcgctcc ctccctctta ggtcactcac tctttcaaag cctggaataa aaaccacagc	1680
caacttccga agcgggtctca ttgcccagca gccccagcc agtgacaggt tccattcacc	1740
ctcgttgccc ttctccccac gacccttttc cagaggcgac tagatccctc cgtttcatcc	1800
agcacgc	1807

<210> 245
<211> 3000
<212> DNA
<213> Artificial Sequence

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

<400> 245
gaaaatttgt cacaaactaa agaaaacaag aaagagacag tagatgaaag agtgctcatt 60
aggtgaaagg aaaatgatcc aagagggtag ctttgagatg taggaagaaa caaaaagcaa 120
gaaaatgata aatgttttga taaagctaaa taagtatcaa ctcataaaga aataatattc 180
ccagaagagt catgaatata cagagaaaat taaagtacat gacaatggca atgtaaaagt 240
taggggtgaa taaaaaagag acttaagagt tctaaaatca ttgcattgtc ctggaagagg 300
aaaaagtaca atgattagtc aaagatacat gtcataatcc ctagaaagga gatcattatt 360
aatagaaaa taaaagaata catcttatag aaaggaaatc taaatgataa tattaacag 420
atctaaaata aggcaaaagt gaggataaaa aagaaagatg gaaccaatgg ggcaaataga 480
aaaagtaaga tagcgtggta gggcattaat tccagcctta catcaatgca taagtatctc 540
aatattctac tgtaaaggga aagtaaagat ttcttacagc ctgagtgtaa tggagaaatc 600
tagtttatca tagtgcttta aatattgtaa gtcttcaact tctagttgat gaataaatga 660
tggaattctc agtgatactg cactgttatc aaataaatat aaaaggagct cctggaattg 720
gatgtaatac aggtaaagaa gtaaacacag ccatataggc atggcttctt gcagggacaa 780
ctttgtgaat cggctcagac agacagacag gcaaatacac ctcatcgcct catacatgtt 840
at ttgcttta gtttttgttc tgaaccttcc tactccttca agtatctgca ttactttat 900
caaattctct tttattagag actgaagaaa ctgtcatctc cttatgtgct aatgagttta 960
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gggttgattt aagaagagaa tcctcatggt catggtagac tgatatggag agaaaacatt 1140
ttgaggaaaa atactcaact aaattcattt ctactccagc atgcagtttc aagtcaagtt 1200

ccaccttagc tccaggtggc aggcagagca ggatgcagag gcacagcaca agtaaggggt	1260
gagtgccgaa gctgctggct cctgttccag tctttcttcc ttggcctcgc ctgaactttt	1320
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tatccctaata cctaataaca cccttatttt atagatccaa tgactgagtc aagaattaca	1440
taacctggcc agacagctgg tacatgggaa aggtgagatt cacaccaggg tccaccagc	1500
atctctactt ataccatgct ctgctttaag gttctctgag aactcagaca agccttgggc	1560
taacaattgt gttaacagga catagcaggt gcaaggaccc actggtcac ctgctacctg	1620
atcagaagga aggaaagttg tatttgttgc tcacctacta tgtttttaggc atagtactag	1680
gtgcttttac ctagtactta attcccttat cctcaactca ttatttcctc gcaataacct	1740
gataagggag atgtttttat cctcatttta catataagga aacaggccta gagaaatgag	1800
cacagtgtcc aaagtcacat agttaataag atgtgaagct ctgagtttga aagtctccgg	1860
tttcaaagcc atgaaactta tggctccccg ttttagacac ttccttttgg gaagagtgtg	1920
gaggaattaa tcagaaagaa gaaagtcata ctcaaatagg tggtaggagc agagacaatt	1980
caatacagac agaagtctta gatgagagca gtgagccagg gcactggact gggactcagg	2040
aggcttcccc tagactctgg ttccaccgat gcagcctcag gcaggacttc acctctctgg	2100
gcatccgttt cttcatatgt taaacatacg gggttttaat tagatgatcg ctgaagaccc	2160
ctctagccct aaaactctgt gtctcttaag tgctaagagg gcaccaacag cgttcctcct	2220
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cctatgggtt taaaaacaaa actgagcgcc catgggggtgt gacagtcac tgcaggggct	2460
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cgtttcccgg gccggacgcg cgtggggggc gggggcgggg gcgggggcga ggccgcggcg	2760
agcaaagtcc aggcccctct gctgcagcgc ccgcgcgtcc agaggccctg ccagacacgc	2820
gcgaggttcg aggtgagaga ggtccgggcg cgtctggcct cgaagggaga cccgggacgt	2880
ggggcgcggg gcgggagtgg ccggacctcc acccagtgcc cccgggcccc gcgactcgtg	2940
cgccgggccc ccggagaggg tgtacttggg tctgaggctg tggtttctcc tcaggctgag	3000

<210> 246

<211> 757

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 246

tgaattgatg ctgtatactc tcagagtgcc aaacatatac caatggacaa gaaggtgagg	60
cagagagcag acaggcatta gtgacaagca aagatatgca gaatttcatt ctacagaaat	120
caaaagtcct caacctgggtt ggaagaatat tggcactgaa tggatatcaat aaggttgcta	180
gagagggtta gaggtgcaca atgtgcttcc ataacatttt atacttctcc aatcttagca	240
ctaatcaaac atggttgaat actttgttta ctataactct tacagagtta taagatctgt	300
gaagacaggg acagggacaa taccatctc tgtctggttc ataggtggta tgtaatagat	360
atttttaaaa ataagtgagt taatgaatga gggtgagaat gaaggcacag aggtattagg	420
gggaggtggg cccagagaa tggtgccaag gtccagtggg gtgactggga tcagctcagg	480
cctgacgctg gccactccca cctagctcct ttctttctaa tctgttctca ttctccttgg	540
gaaggattga ggtctctgga aaacagccaa acaactgtta tgggaacagc aagcccaaat	600
aaagccaagc atcaggggga tctgagagct gaaagcaact tctgttcccc ctccctcagc	660
tgaaggggtg gggaagggtt cccaaagcca taactccttt taagggattt agaaggcata	720
aaaaggcccc tggctgagaa cttccttctt cattctg	757

<210> 247

<211> 720
<212> DNA
<213> Artificial Sequence

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

<400> 247
ccactacggg tctaggctgc ccatgtaagg aggcaaggcc tggggacacc cgagatgcct 60
ggttataatt aacccaaca cctgctgccc ccccccccc aacacctgct gcctgagcct 120
gagcggttac cccaccccg tgcctgggtc ttaggctctg tacaccatgg aggagaagct 180
cgctctaaaa ataaccctgt ccctggtggg ccactacgg gtctaggctg cccatgtaag 240
gaggcaaggc ctggggacac ccgagatgcc tggttataat taacccaac acctgctgcc 300
ccccccccc caacacctgc tgcctgagcc tgagcggtta cccaccccg gtgcctgggt 360
cttaggctct gtacaccatg gaggagaagc tcgctctaaa aataaccctg tccctggtgg 420
gccactacgg gtctaggctg cccatgtaag gaggcaaggc ctggggacac ccgagatgcc 480
tggttataat taacccaac acctgctgcc ccccccccc caacacctgc tgcctgagcc 540
tgagcggtta cccaccccg gtgcctgggt cttaggctct gtacaccatg gaggagaagc 600
tcgctctaaa aataaccctg tccctggtgg gccctccct ggggacagcc cctcctggct 660
agtacacccc tgtaggctcc tctatataac ccaggggcac aggggctgcc cccgggtcac 720

<210> 248
<211> 772
<212> DNA
<213> Artificial Sequence

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

<400> 248
acccttcaga ttaaaaataa ctgaggtaag ggcctgggta ggggaggtgg tgtgagacgc 60
tcctgtctct cctctatctg cccatcggcc ctttggggag gaggaatgtg cccaaggact 120
aaaaaaaggc catggagcca gaggggcgag ggcaacagac ctttcatggg caaaccttgg 180

ggccctgctg tctagcatgc ccactacgg gtctaggctg cccatgtaag gaggcaaggc	240
ctggggacac ccgagatgcc tggttataat taaccagac atgtggctgc ccccccccc	300
ccaacacctg ctgcctctaa aaataaccct gtccctggtg gatcccctgc atgcgaagat	360
cttcgaacaa ggctgtgggg gactgagggc aggctgtaac aggcttgggg gccagggctt	420
atacgtgcct gggactccca aagtattact gttccatgtt cccggcgaag ggccagctgt	480
ccccgccag ctagactcag cacttagttt aggaaccagt gagcaagtca gcccttgggg	540
cagcccatac aaggccatgg ggctgggcaa gctgcacgcc tgggtccggg gtgggcacgg	600
tgcccgggca acgagctgaa agctcatctg ctctcagggg cccctccctg gggacagccc	660
ctcctggcta gtcacacct gtaggctcct ctatataacc caggggcaca ggggctgccc	720
tcattctacc accacctcca cagcacagac agacactcag gagccagcca gc	772

<210> 249

<211> 558

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 249

cagccactat gggcttaggc tgcccatgta aggaggcaag gcctggggac acccgagatg	60
cctgggttata attaaccag acatgtggct gtccccccc ccccaacacc tgctgcctga	120
gcctcacccc cccccggtg cctgggtcctt aggctctgta cccatggag gagaagctcg	180
ctctaaaaat aaccctgtcc ctgggtgggct gtgggggact gagggcaggc tgtaacaggc	240
ttggggggcca gggcttatac gtgcctggga ctcccaaagt attactgttc catgttcccg	300
gcgaagggcc agctgtcccc cgccagctag actcagcact tagtttagga accagtgagc	360
aagtcagccc ttggggcagc ccatacaagg ccatggggct gggcaagctg cacgcctggg	420
tccgggggtgg gcacgggtgcc cgggcaacga gctgaaagct catctgctct caggggcccc	480
tccctggggga cagcccctcc tggctagtca caccctgtag gctcctctat ataaccag	540
ggcacagggg ctgcccc	558

<210> 250
<211> 766
<212> DNA
<213> Artificial Sequence

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

<400> 250
cagccactat gggcttaggc tgcccatgta aggaggcaag gcctggggac acccgagatg 60
cctggttata attaaccag acatgtggct gctcccccc cccaacacc tgctgcctga 120
gcctcacccc caccggtg cctgggtctt aggctctgta cccatggag gagaagctcg 180
ctctaaaaat aaccctgtcc ctggtgggct gtgggggact gagggcaggc tgtaacaggc 240
ttgggggcca gggcttatac gtgcctggga ctcccaaagt attactgttc catgttcccg 300
gcgaagggcc agctgtcccc cgccagctag actcagcact tagtttagga accagtgagc 360
aagtcagccc ttggggcagc ccatacaagg ccatggggct gggcaagctg cacgcctggg 420
tccggggtgg gcacggtgcc cgggcaacga gctgaaagct catctgctct caggggcccc 480
tccctgggga cagcccctcc tggctagtca caccctgtag gctcctctat ataaccagg 540
ggcacagggg ctgcccccg gtcaccacca cctccacagc acagacagac actcaggagc 600
cagccagcca ggtaagttta gtctttttgt cttttatttc aggtcccga tccggtgggtg 660
gtgcaaatac aagaactgct cctcagtgga tggtgccttt acttctaggc ctgtacggaa 720
gtgttacttc tgctctaaaa gctgcggaat tgtaccgcg gccgcg 766

<210> 251
<211> 961
<212> DNA
<213> Artificial Sequence

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

<400> 251
gtttaaaca gcttgcatgt ctaagctaga cccttcagat taaaaataac tgaggtaagg 60

gcctgggtag gggagggtggt gtgagacgct cctgtctctc ctctatctgc ccatcggccc	120
tttggggagg aggaatgtgc ccaaggacta aaaaaaggcc atggagccag aggggcgagg	180
gcaacagacc tttcatgggc aaaccttggg gccctgctgt ctagcatgcc ccactacggg	240
tctaggctgc ccatgtaagg aggcaaggcc tggggacacc cgagatgcct ggttataatt	300
aaccagaca tgtggctgcc ccccccccc caacacctgc tgcctctaaa aataaccctg	360
tccctggtgg atcccctgca tgcgaagatc ttcgaacaag gctgtggggg actgagggca	420
ggctgtaaca ggcttggggg ccagggtta tacgtgcctg ggactcccaa agtattactg	480
ttccatgttc ccggcgaagg gccagctgtc cccgccagc tagactcagc acttagttta	540
ggaaccagtg agcaagtcag cccttggggc agcccataca aggccatggg gctgggcaag	600
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tctcaggggc ccctccctgg ggacagcccc tcctggctag tcacaccctg taggctcctc	720
tatataacc aggggcacag gggctgccct cattctacca ccacctccac agcacagaca	780
gacactcagg agccagccag cggcgcgccc aggtaagttt agtctttttg tcttttattt	840
cagggtcccgg atccggtggt ggtgcaaadc aaagaactgc tcctcagtgg atgttgccct	900
tacttctagg cctgtacgga agtgttactt ctgctctaaa agctgcggaa ttgtaccgc	960
g	961

<210> 252

<211> 1736

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 252

aaaagagtgc agtaacaaag ccccttttac aatttaccgc gcacattcac acccatcctg	60
aggccaaagc cacaggctgt gaggtctcac tgtctcagct tcctgagcta taaaatggga	120
atgatgctag tgtctacctc ctagggttgg agaattgggg gtcattgggtg tgaagtgctc	180

agcagcttgg cccacactag gtggtcagta catgtaaggt attattgttg ctacatacat	240
tagtagggcc tgggcctctt taaaccttta tagggtagca tggcaaggct aaccatcctc	300
actttatatc tgacaagctg gggctcagag aggacgtgcc tgagctgggg ctcagacaag	360
gacacaccta ctagtaaccc ctccagctgg tgatggcagg tctagggtag gaccagtgac	420
tggctcctaa tcgagcactc tattttcagg gtttgcattc caaaagggtc aggtccaaga	480
gggacctgga gtgccaagtg gaggtgtaga ggcacggcca gtacccatgg agaatggtgg	540
atgtccttag gggttagcaa gtgccgtgtg ctaaggaggg ggctttggag gttgggcagg	600
ccctctgtgg ggctccattt ttgtgggggt gggggctgga gcattatagg gggtaggaag	660
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cccctgcccc ccacagctcc tctcctgtgc cttgtttccc agccatgcgt tctcctctat	780
aaatacccg c tctggtattt ggggttggca gctgttgctg ccaggagat ggttgggttg	840
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gggggatgaa tcaggagagg ggcgggggac ccagggggca ggagccacac aaagtctgtg	960
cgggggtggg agcgcacata gcaattggaa actgaaagct tatcagacc tttctggaaa	1020
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ctgcactagt ccagagggaa actgaggctc agggctagct cgcccataga catacatggc	1140
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ctagagaccc ccaccctcaa gcctggctgg tctttgcctg agacccaaac ctcttcgact	1260
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gattggcagg cttgcccgtc acaggacccc cgctggctga ctcaggggag caggcctctt	1560
gcgggggagc tggcctcccc gccccacgg ccacgggccg ccctttcctg gcaggacagc	1620
gggatcttgc agctgtcagg ggaggggagg cgggggctga tgtcaggagg gatacaaata	1680

gtgccgacgg ctggggggccc tgtctcccct cgccgcatcc actctccggc cggccg 1736

<210> 253

<211> 807

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 253

gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc	60
catatatgga gttccgcgtt acataactta cggtaaattgg cccgcctggc tgaccgcca	120
acgacccccg ccattgacg tcaataatga cgtatgttcc catagtaacg ccaataggga	180
ctttccattg acgtcaatgg gtggagtatt tacggtaaac tgcccacttg gcagtacatc	240
aagtgtatca tatgccaagt acgcccccta ttgacgtcaa tgacggtaaa tggccgcct	300
ggcattatgc ccagtacatg accttatggg actttcctac ttggcagtac atctacgtat	360
tagtcatcgc tattaccatg gtgatgcggt tttggcagta catcaatggg cgtggatagc	420
ggtttgactc acggggattt ccaagtctcc accccattga cgtcaatggg agtttgtttt	480
ggcaccaaaa tcaacgggac tttccaaaat gtcgtaacaa ctccgcccc a ttgacgcaaa	540
tgggcggtag gcatgtacgg tgggaggtct atataagcag agctcgttta gtgaaccgtc	600
agatgcctg gagacgcat ccacgtgtt ttgacctca tagaagacac cgggaccgat	660
ccagcctccg cggccccaag cttcagctgc tcgagggcgc gcctctagag ctagcgttgc	720
ggccgcctgg ctcttaacgg cgtttatgtc ctttgctgtc tgaggggcct cagctctgac	780
caatctggtc ttcgtgtggt cattagc	807

<210> 254

<211> 973

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 254
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gcgaagtgcc agggaggcctt ctgtttgggg tgtcccttgg gatcacagat cccccacctg 180
gtgatgagtc aaccagcac caccctattg cagggtgga atgacagtaa tgggcccacc 240
tgctgcctct ctcataccc gcacccagc cagacattgc aagtcagtca cggctctgtc 300
ctgctgggcc tggagtgttc cagtgccttt tccatcacag caccaagcag ccactactag 360
tcgatcaatt tcagcacaag agataaacat cattaccctc tgctaagctc agagataacc 420
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agtgtcggcc tcctctcccc aactaagggc ttatgtgtaa ttaaaaggga ttatgctttg 840
aaggggaaaa gtagccttta atcaccagga gaaggacaca gcgtccggag ccagaggcgc 900
tcttaacggc gtttatgtcc ttgtgtgtc gaggggcctc agctctgacc aatctggtct 960
tcgtgtggtc att 973

<210> 255

<211> 450

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 255

ctagactagc atgctgcccc tgtaaggagg caaggcctgg ggacaccga gatgcctggt 60
tataattaac ccagacatgt ggctgcccc cccccccaa cacctgctgc ctctaaaaat 120

aaccctgcat gccatgttcc cggcgaaggg ccagctgtcc cccgccagct agactcagca	180
cttagtttag gaaccagtga gcaagtcagc ccttggggca gcccatacaa ggccatgggg	240
ctgggcaagc tgcacgcctg ggtccgggggt gggcacgggtg cccgggcaac gagctgaaag	300
ctcatctgct ctcaggggcc cctccctggg gacagcccct cctggctagt cacaccctgt	360
aggctcctct atataaccca ggggcacagg ggctgccctc attctaccac cacctccaca	420
gcacagacag acactcagga gccagccagc	450

<210> 256

<211> 455

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 256

ctgctcccag ctggccctcc caggcctggg ttgctggcct ctgctttatc aggatttca	60
agagggacag ctggtttatg ttgcatgact gttccctgca tatctgctct ggttttaaat	120
agcttatctg ctagcctgct cccagctggc cctcccaggc ctgggttgct ggcctctgct	180
ttatcaggat tctcaagagg gacagctggg ttatgttgca tgactgttcc ctgcatact	240
gctctgggtt taaatagctt atctgagcag ctggaggacc acatgggctt atatggggca	300
cctgcaaaa tagcagccaa ccccccccc tgctgcacat tcctccctgg ctcaccaggc	360
cccagccac atgcctgctt aaagccctct ccacccctg cctcaccag tccccgctga	420
gactgagcag acgcctccag gatctgtcgg cagct	455

<210> 257

<211> 3050

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 257

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aaactaaaga aaacaagaaa gagacagtag atgaaagagt gctcattagg tgaaaggaaa	120
atgatccaag agggtagctt tgagatgtag gaagaaacaa aaagcaagaa aatgataaat	180
gttttgataa agctaaataa gtatcaactc ataaagaaat aatattccca gaagagtcac	240
gaatatacag agaaaattaa agtacatgac aatggcaatg taaaagttag gggatgaataa	300
aaaagagact taagagttct aaaatcattg cattgtcctg gaagaggaaa aagtacaatg	360
attagtcaaa gatacatgtc ataatcccta gaaaggagat cattattaaa tagaaaataa	420
aagaatacat cttatagaaa ggaaatctaa atgataatat taaacagatc taaaataagg	480
caaaagtgag gataaaaaag aaagatggaa ccaatggggc aaatagaaaa agtaagatag	540
cgtggtaggg cattaattcc agccttacat caatgcataa gtatctcaat attctactgt	600
aaagggaaag taaagatttc ttacagcctg agtgtaatgg agaaatctag tttatcatag	660
tgctttaaat attgtaagtc ttcaacttct agttgatgaa taaatgatgg aattctcagt	720
gatactgcac tgttatcaaa taaatataaa aggagctcct ggaattggat gtaatacagg	780
taaagaagta aacacagcca tataggcatg gcttcttgca gggacaactt tgtgaatcgg	840
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gcgggagtgg ccggacctcc acccagtgcc cccgggcccc gcgactcgtg cgccgggccc	3000

ccggagaggg tgtacttggt tctgaggctg tggtttctcc tcaggctgag 3050

<210> 258

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 258

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ccccaacccg cagagcaggt tgtgggggca atgttgcatg gaccagcgtc agagaacaca	120
catcagaggc aagggtgggt gtgcaggagg gagaaggcgc agaaggcagg gctttagctc	180
agcactctcc ctctgccat gctctgcctg accgttcctt ctctgagtcc caaacagcca	240
ggtagaggag gaagaaatgg ggctgagacc ccagcacatc agtgattaag tcaggatcag	300
gtgcggtttc ctgctcaggt gctgagacag caggcgggtg cctgcaaaca acaggaggca	360
cctgaagcta gcctggggggg ccacgcccc ggtgcgggtgc attcagcagc acagccagag	420
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aggtgacccc agccaggctc aaggcttcca gggctggcct gcccagaagc atgacatggt	2940
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<210> 259

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 259

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aatgacaaag ataagttgaa gcactacagt aaaaaattag agttagacat ggacacgtag	180
aagggaacaa cagactctac agactctagg acctacttga ggctgaaggg tgggaggagg	240
tggaagattg aaaaactacc tatcaggtac tgtgcttatt acctggatga tgacataatc	300
tgtacatcta acccccatga cacacaattt acctatataa caaacctcca aatgtacccc	360
tgaacctaaa ataaaagttt agaaaaaatg agaattagtt cttggattca caagatataa	420
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agctttccct tgacgcccta cgtttttgat tcccagatac cagcagctac tcatgtcttc	2820
gccattgcta agaacgtcgt tgggtattacc ttactctgag aacgtgtctg cagtttccag	2880
aaaatggagt atcgcaacat cacttaaagt accctgcttc aaagtattgc tggcaagtgg	2940
cgtgggcctg attattttatt tagaaatgct ttatcaggag gagaatgctt ttttgtaaac	3000

<210> 260

<211> 1053

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 260

cgttacataa cttacggtaa atggcccgcc tggctgaccg cccaacgacc cccgccatt	60
gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca	120
atgggtggag tatttacggt aaactgcca cttggcagta catcaagtgt atcatatgcc	180
aagtacgcc cctattgacg tcaatgacgg taaatggccc gcctggcatt atgccagta	240
catgacctta tgggactttc ctacttggca gtacatctac gtattagtca tcgctattac	300
catggctgag gtgagcccca cgttctgctt cactctcccc atctcccccc cctccccacc	360
cccaattttg tatttattta ttttttaatt attttgtgca gcgatggggg cggggggggg	420

gggggggCGC gCGCCaggCG gggCGggggCG gggCGagggg CGgggCGggg CGaggCGgag	480
aggtgCGgCG gCagccaatC agagCGgCG gctccgaaag tttcctttta tggCGaggCG	540
gCGgCGgCG CGgCctata aaaagCGaag CGCGgCGg gCGggagtcg ctgCGcgctg	600
ccttcgcccc gtgccccgct cGccgCcgC ctgCGcgC cGccccgGc tctgactgac	660
CGcgttacta aaacaggtaa gtccGgcctC CGcGcgggT tttggCGcct cccCGgggCG	720
ccccctcct cagGCGagC gctgCcagT cagacgaagg gCGcagCGag cgtCctgac	780
cttcgCccg gacgctcagg acagCGgccc gctgctcata agactCGgC ttagaacccc	840
agtatcagca gaaggacatt ttaggacggg acttgGgtga ctctaggGca ctggttttct	900
ttccagagag CGgaacaggC gaggaaaagT agtcccttct CGgCgattct gCGgagggat	960
ctcGtgggg CGgtgaacG CGatgatGc tctactaacc atgttcatgt tttctttttt	1020
tttctacagg tcctgggtga CGaacaggct agc	1053

<210> 261

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 261

gcttgctact gaaaagctaa ggccagaggT aaagactatg gatttgggga atgaatatC	60
tgtgaagcca taagataatg gcctgaggTg ctgaggacca gtagtgctag gaactttgca	120
tccatgacta tagggctctt tagaactgtg ccacagtaca gcatcatgca gtagaatcta	180
agttgttctt tgtaataatg aatgccagca atattttaaa ataataataa taccattaaa	240
aagtgggcaa aggacatgaa tagacatttt tcaaaaggaa acatacaaat CGccaagaag	300
tatatgaaaa attaacagtt aatgttcatt gaatacttat tgcaggctag gtactgagtt	360
gagcattttg catgcatcat ctcacttaaa ataatgtatg tcccagcctg GCCaacatgg	420
tgaaaccca tctctactaa aaatacaaaa attagccaga catggtggta catgcctgta	480
atcccagcta ctcaggaggC tgaggcagga gaattgcttg aatctgggag gCagaggttg	540

cagtgagccg agattgcacc actgcactct agcctgggtg acagagcgat actctgtctc	600
aaaagataat aataataaaa taatgtatgt caattgttga aattttggaa aatgaacaag	660
tgtgtgtgtg aataactggg tgtattctat acatatggct ttataactta cctattaact	720
taaggtcatt aatgcaatgt catcaaatac tctttggatc atctagattg ttgcacatta	780
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caaattccag atacagagtg ggcagtggtg gttaggaaga tagaaaggct agggagtgtt	1800
cctgggaagt cagtaaaactt ggaagatcta aggttatatt aaaaatgttg tatcagaaca	1860
aaggctcagg acgttagtgt tagcagaaac cagatatctt agagcagtggt tttgtcaact	1920
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actttgggaa gccgaggcgg gtggatgact tgaggtcagg agttcgagac catcctggct	2040

aacacagtga aaccccgtct ctactaaaaa tacaaaaatt agccgggcgt ggtggtgtgt	2100
gcctgtaatc ccagctactt gggagggttga ggcaggagaa tcacttgaac acaggaggcg	2160
gaggtgacag tgagccgaga tcgtgccatt gcactccagc ctgggtgaca gagggagact	2220
ctatctcaaa aaaagaaaaa aaagaaattc aactccacta acaccacaa tgcaaataaa	2280
tgtgtgaatg tgtacaacta ttttatcaag cagtacttat tatatgtgct gtaatctgat	2340
attttatagc ctgtttcatt ttattttaat gttgattggt acccactaaa tttatttcat	2400
tgagaccccc taatttgaaa tattgccttg aatatatata tacatatata tacacatata	2460
tacatatata tacacacata tatacacata tatacacaca tatatacaca tatatatata	2520
tatatacaca tatatacata tatacacata tatacatata tacatatata tacacatata	2580
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ccatattttt taaaaaatc ttaccaagc atttaatcag tactgaatgg tttgttctt	2820
gtcttcatgt caagttgaat ttgggggtac tattccagaa tatttacatg ttagacaatg	2880
ttctgtaaaa ggggcattgt agcagcatgc aggcagtatt caacaaaaa ctgggcaaga	2940
gtcataattc actctggttt ctctttcctt ttaagcaggt agttccaatt tgccagcaga	3000

<210> 262

<211> 3102

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 262

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aatgggagac cggttcagag acattttatc tacttaaaaa ctgtgccttt tgtatcacgt	120
caaagtgaat gcaaaacaaa gaacaaaagg gttaaaggct caggtttaaa tcccaggtat	180

atgtacat	ttt	caattgaggt	at	ttttttttt	tcttttctaa	atgatcagta	cacttattct	240
ttctaaaga	aatacttttc	ttaactactc	tctat	ttttta	aacttctccc	acaaagatga		300
gaaaacat	ttt	aaaaatcatt	ggggctat	tt	tctgtttac	cgagtaaaga	gaatctctaa	360
accatatt	taactcttac	tctaaatatt	tgcatt	ttacc	ctcatgccag	agcccgttga		420
tgactgacta	aacagagttt	caaagtttga	agaacaggaa	atttagaaat	gactaacaat			480
tatgtaggtt	tatttctctc	agtatagaat	gttcatatag	aattaatgcc	agaggttttc			540
agagaaaaat	gcagaaat	ttactttgca	aatccagaag	atgcaattgt	tcaagtattt			600
gttaagaaac	attaatttta	agtatgcaga	tatcattgag	aattaaatat	tttaatttct			660
aaactattaa	tcttttagta	ggatgcacat	atgcaaaatg	cctcattagt	actgtaagaa			720
aagattcttg	gccgggcgcg	gtggctcatg	actgtaatcc	cagcacttag	ggaggccgag			780
gtgggcggat	gacgaggtca	ggagatcgag	accaccctgg	cacacggtca	aaccccgctc			840
ctactaaaga	tacaaaaaat	tagccgggcg	tgatggcggg	cgcctgtagt	cccagctact			900
cgggaggctg	aggcagaaga	atggcgtgaa	ctcgggaggc	ggagcttgca	agtgagccga			960
gatagtgcc	ctgcactcca	gtctgggcga	aagagcgaga	ctccatctca	aaaaaaaaaa			1020
aaaaaaaaaga	aaagattctt	ttaggtttca	tcaattttgt	tttaaagcta	gggctcttca			1080
ttagatatag	gaaaatcaat	tcaaagtttc	tattcagtca	tgatgaattt	gagatttttt			1140
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aatcttccta	tctatctatg	tatctatcat	ccatctagct	ttgatttttt	cctcttctgt			1680

gctttattag ttaattagta cccatttctg aagaagaaat aacataagat tatagaaaat	1740
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aaaaataata ctttgttagt ctctgtgcct ctatgtgcc a tgaggaaatt tgactactgg	1860
ttttgactga ctgagttata taattaagta aaataactgg cttagtacta attattgttc	1920
tgtagtatca gagaaagttg ttcttcctac tggttgagct cagtagttct tcatattctg	1980
agcaaaaggg cagaggtagg atagcttttc tgaggtagag ataagaacct tgggtaggga	2040
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gttaaattta ttttgaaatt taaagcaaca taaaagaaca tgtgattttt ctacttattg	2160
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tgcgtgagta cttgtgtgta aatttttcat tatctatagg taaaagcaca cttggaatta	2640
gcaatagatg caatttggga ctttaactctt tcagtatgtc ttatttctaa gcaaagtatt	2700
tagtttggth agtaattact aaacactgag aactaaattg caaacaccaa gaactaaaat	2760
gttcaagtgg gaaattacag ttaaatacca tggtaatgaa taaaaggta aaatcgthth	2820
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gcaagaatat tatgaattth gtaatcggtt ggcagccaat gaaatacaaa gatgagtcta	3000
gttaataatc tacaattatt ggttaaagaa gtatattagt gctaatttcc ctccgtttgt	3060
cctagctthth ctcttctgtc aacccacac gcctttggca ca	3102

<211> 2337

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 263

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tctgcttgct cattccactt ttccagctga ccctgcccc taccaacatt gctccacaag	180
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gctaaagagg tggcaaccca cacatcctta ggcatgagct tgattttttt tgatttagaa	300
ccttccccctc tctgttccta gactacacta cacattctgc aagcatagca cagagcaatg	360
ttctacttta attactttca ttttcttgta tcctcacagc ctagaaaata acctgcgtta	420
cagcatccac tcagtatccc ttgagcatga ggtgacacta cttaacatag ggacgagatg	480
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tgttcttaaa taccatcatt ccggacgtgt ttgccttggc cagttttcca tgtacatgca	600
gaaagaagtt tggactgatc aatacagtcc tctgccttta aagcaatagg aaaaggccaa	660
cttgtctacg tttagtatgt ggctgtagaa agggatataga tataaaaatt aaaactaatg	720
aaatggcagt cttacacatt tttggcagct tatttaaagt cttggtgtta agtacgctgg	780
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tgacattcgt ttcccattcc atttgaatac acacttttgt catggtattg cttgctgaaa	900
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tatactctat atactctaaa aaagaagaaa gaccatagac aatcatctat ttgatatgtg	1140
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ttacttgcaa aactaactgg aattctagga cttaaattatt ttaagtttta gctgggtgac	1260

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gttttaga	ag	tgatcata	aat	caaata	tattac	cctcta	aatga	aaatattcca	aagttgag	ct	1380		
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gcactttatt	aatacag	ttt		agatgtg	ttt	tgccat	cttt	taatttc	tta	agaaatacta	1920		
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tccagcttgg	gatcgac	ctg		caggcat	gct	tccatg	ccaa	ggcccac	act	gaaatg	ctca	2040	
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atggggtagg	aaccaat	gaa		atg	cagggt	agtat	gg	tta	atgat	ctaca	gttattg	gtt	2280
aaagaagtat	attagag	cga		gtcttt	ctg	acacag	atca	cctttc	ctat	caacccc		2337	

<210> 264

<211> 1330

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 264

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------------	------------	------------	------------	------------	------------	----

ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaatgg 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
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gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggctag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatttttt	720
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tctgacaatc ctctttctct tttgttttac atgaagggtc tggcagccaa agcaatcact	1080
caaagttcaa accttatcat tttttgcttt gttcctcttg gccttgggtt tgtacatcag	1140
ctttgaaaat accatcccag ggttaatgct ggggttaatt tataactaag agtgctctag	1200
ttttgcaata caggacatgc tataaaaatg gaaagatctc taaggtaaata ataaaatttt	1260
taagtgtata atgtgttaaa ctactgattc taattgtttc tctcttttag attccaacct	1320
ttggaactga	1330

<210> 265

<211> 937

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 265

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gagccaagta cactgcgtca atagggactt tccattgggt ttgtcccgtt acataaggct	120
aataggggat gagtcaatgg gaaaaacca ttggagccaa gtacactgac tcaataggga	180
ctttccattg ggTTTTgccc agtacataag gtcaatagggt ggtgagtcaa caggaaagtc	240
ccattggagc caagtacatt gagtcaatag ggactttcca atgggttttg cccagtacat	300
aagggtcaatg ggaggtaagc caatgggttt ttcccattac tggcacgtat actgagtc	360
tagggacttt ccaatgggtt ttgccagta cataagggtca ataggggtga atcaacagga	420
aagtcccatt ggagccaagt acactgagtc aatagggact ttccattggg ttttgcag	480
tacaaaaggt caataggggg tgagtcaatg ggTTTTccc attattggca cgtacataag	540
gtcaatagggt gtgactagtc agtgggcaga gcgcacatcg cccacagtcc ccgagaagtt	600
ggggggaggg gtcggcaatt gaaccggtgc ctagagaagg tggcgcgggg taaactggga	660
aagtgatgtc gtgtactggc tccgcctttt tcccagggtt gggggagaac cgtatataag	720
tgcagtagtt gccgtgaacg ttctttttcg caacgggttt gccgccagaa cacagctgaa	780
gcttctgcct tctccctcct gtgagtttgg taagtactg actgtctatg cctgggaaag	840
ggtgggcagg agatggggca gtgcaggaaa agtggcacta tgaaccctgc agccctagac	900
aattgtacta accttcttct ctttctctc ctgacag	937

<210> 266

<211> 367

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 266

gagcttgggc tgcaggctga gggcactggg aggatgttga gtaagatgga aaactactga	60
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tgacccttgc agagacagag tattaggaca tgtttgaaca ggggccgggc gatcagcagg	120
tagctctaga ggatccccgt ctgtctgcac atttcgtaga gcgagtgttc cgatactcta	180
atctccctag gcaaggttca tatttgtgta ggttacttat tctccttttg ttgactaagt	240
caataatcag aatcagcagg tttggagtca gcttggcagg gatcagcagc ctgggttgga	300
aggaggggggt ataaaagccc cttcaccagg agaagccgtc acacagacta ggcgcgccac	360
cgccacc	367

<210> 267
 <211> 468
 <212> DNA
 <213> Artificial Sequence

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

<400> 267	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacatacggg ggaggctgct ggtgaatatt aaccaaggtc accccagtta	120
tcggaggagc aaacaggggc taagtccaca taccgtctgt ctgcacattt cgtagagcga	180
gtgttccgat actctaattc ccctaggcaa ggttcatatt tgtgtaggtt acttattctc	240
cttttgttga ctaagtcaat aatcagaatc agcaggtttg gagtcagctt ggcagggatc	300
agcagcctgg gttggaagga ggggggtataa aagccccttc accaggagaa gccgtcacac	360
agatccacaa gtcctgaag aggtaagggt ttaagggatg gttggttggt ggggtattaa	420
tgtttaatta cctggagcac ctgcctgaaa tcactttttt tcaggttg	468

<210> 268
 <211> 426
 <212> DNA
 <213> Artificial Sequence

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

<400> 268

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgtc aatttcctc cgtttgcct agcttttctc atgcgtgtta ccgtctgtct	120
gcacatttcg tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcataattg	180
tgtaggttac ttattctcct ttgtttgact aagtcaataa tcagaatcag caggtttgga	240
gtcagcttgg cagggatcag cagcctgggt tggaaggagg ggggtataaaa gccccttcac	300
caggagaagc cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggt	360
tggttggtgg ggtattaatg ttttaattacc tggagcacct gcctgaaatc actttttttc	420
aggttg	426

<210> 269

<211> 396

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 269

gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60
aaacacatag atgcgtgtta ccgtctgtct gcacatttcg tagagcgagt gttccgatac	120
tctaattctc ctaggcaagg ttcataattg tgtaggttac ttattctcct ttgtttgact	180
aagtcaataa tcagaatcag caggtttgga gtcagcttgg cagggatcag cagcctgggt	240
tggaaggagg ggggtataaaa gccccttcac caggagaagc cgtcacacag atccacaagc	300
tcctgaagag gtaagggttt aagggatggt tggttggtgg ggtattaatg ttttaattacc	360
tggagcacct gcctgaaatc actttttttc aggttg	396

<210> 270

<211> 495

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 270
gatgctctaa tctctctaga caaggttcat atttgatgg gttacttatt ctctctttgt 60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc 120
tagctcagga gaagttagta taaaagcccc aggctgggag cagccatcaa tgcgtgttac 180
cgtctgtctg cacatttcgt agagcgagtg ttccgatact ctaatctccc taggcaaggt 240
tcatatttgt gtaggttact tattctcctt ttgttgacta agtcaataat cagaatcagc 300
aggtttggag tcagcttggc agggatcagc agcctgggtt ggaaggaggg ggtataaaag 360
ccccctcacc aggagaagcc gtcacacaga tccacaagct cctgaagagg taagggttta 420
agggatgggtt ggttgggtggg gtattaatgt ttaattacct ggagcacctg cctgaaatca 480
ctttttttca ggttg 495

<210> 271
<211> 640
<212> DNA
<213> Artificial Sequence

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

<400> 271
cgggggaggc tgctggtgaa tattaaccaa ggtcaccca gttatcgag gagcaaacag 60
gggctaagtc cacatgcgtg ttagggctgg aagctacctt tgacatcatt tcctctgcga 120
atgcatgtat aatttctaca gaacctatta gaaaggatca ccagcctct gcttttgtac 180
aactttccct taaaaaactg ccaattccac tgctgtttgg cccaatagtg agaacttttt 240
cctgctgcct cttggtgctt ttgcctatgg ccctattct gcctgctgaa gacactcttg 300
ccagcatgga cttaaacccc tccagctctg acaatcctct ttctcttttg ttttacatga 360
agggtctggc agccaaagca atcactcaa gttcaaacct tatcattttt tgctttgttc 420
ctcttggcct tggttttgta catcagcttt gaaaatacca tcccagggtt aatgctgggg 480
ttaatttata actaagagtg ctctagtttt gcaatacagg acatgctata aaaatggaaa 540
gatctcctga agaggtaagg gtttaaggga tggttggttg gtgggggtatt aatgtttaat 600

tacctggagc acctgcctga aatcactttt tttcaggttg 640

<210> 272

<211> 667

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 272

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60
tattagtgtc aatttccctc cgtttgtcct agcttttctc atgcgtgtta gggctggaag 120
ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa cctattagaa 180
aggatcacc agcctctgtc tttgtacaac tttcccttaa aaaactgcca attccactgc 240
tgtttggccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc 300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca 360
atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc actcaaagtt 420
caaaccttat cttttttgct tttgttcctc ttggccttgg ttttgtacat cagctttgaa 480
aataccatcc cagggttaat gctgggggta atttataact aagagtgtc tagttttgca 540
atacaggaca tgctataaaa atggaaagat ctctgaaga ggtaaggggt taagggatgg 600
ttggttggtg ggggtattaat gtttaattac ctggagcacc tgcctgaaat cacttttttt 660
caggttg 667

<210> 273

<211> 637

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 273

gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc 60

aaacacatag atgcgtgtta gggctggaag ctaccttga catcatttcc tctgcgaatg	120
catgtataat ttctacagaa cctattagaa aggatcaccc agcctctgct tttgtacaac	180
tttcccttaa aaaactgcca attccactgc tgtttggccc aatagtgaga actttttcct	240
gctgcctctt ggtgcttttg cctatggccc ctattctgcc tgctgaagac actcttgcca	300
gcatggactt aaaccctcc agctctgaca atcctctttc tcttttgttt tacatgaagg	360
gtctggcagc caaagcaatc actcaaagt caaaccttat cttttttgc tttgttcctc	420
ttggccttgg tttgtacat cagctttgaa aataccatcc cagggttaat gctggggtta	480
atttataact aagagtgctc tagttttgca atacaggaca tgctataaaa atggaaagat	540
ctcctgaaga ggtaaggggt taagggatgg ttggttggtg ggggtattaat gtttaattac	600
ctggagcacc tgcctgaaat cacttttttt caggttg	637

<210> 274

<211> 736

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 274

gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagtgahta taaaagcccc aggctgggag cagccatcaa tgcgtgttag	180
ggctggaagc tacctttgac atcatttcct ctgcgaatgc atgtataatt tctacagaac	240
ctattagaaa ggatcaccca gcctctgctt ttgtacaact ttcccttaaa aaactgccaa	300
ttccactgct gtttggccca atagtgagaa ctttttcctg ctgcctcttg gtgcttttgc	360
ctatggcccc tattctgcct gctgaagaca ctcttgccag catggactta aaccctcca	420
gctctgacaa tcctctttct cttttgtttt acatgaaggg tctggcagcc aaagcaatca	480
ctcaaagttc aaaccttatc attttttgct ttgttcctct tggccttggt tttgtacatc	540

agctttgaaa ataccatccc agggttaatg ctggggttaa tttataacta agagtgctct	600
agttttgcaa tacaggacat gctataaaaa tggaaagatc tcctgaagag gtaagggttt	660
aagggatggg tggttggtgg ggtattaatg ttttaattacc tggagcacct gcctgaaatc	720
actttttttc aggttg	736

<210> 275
 <211> 515
 <212> DNA
 <213> Artificial Sequence

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

<400> 275	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacatgcgtg ttaggcattgc ttccatgccca agggccacac tgaaatgctc	120
aaatgggaga caaagagatt aagctcttat gtaaaatttg ctgttttaca taactttaat	180
gaatggacaa agtcttgtgc atgggggttg ggggtggggtt agaggggaac agctccagat	240
ggcaaacata cgcaagggat ttagtcaaac aacttttttg caaagatggg atgattttgt	300
aatggggtag gaaccaatga aatgcgagggt aagtatgggt aatgatctac agttattggg	360
taaagaagta tattagagcg agtctttctg cacacagatc acctttccta tcaacccct	420
cctgaagagg taagggttta agggatgggt gggttggtggg gtattaatgt ttaattacct	480
ggagcacctg cctgaaatca ctttttttca ggttg	515

<210> 276
 <211> 542
 <212> DNA
 <213> Artificial Sequence

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

<400> 276	
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggg taaagaagta	60

tattagtgct aatttcctc cgtttgcct agcttttctc atgcgtgtta ggcatgcttc	120
catgccaagg cccacactga aatgctcaaa tgggagacaa agagattaag ctcttatgta	180
aaatttgctg ttttacataa ctttaatgaa tggacaaagt cttgtgcatg ggggtggggg	240
tggggttaga ggggaacagc tccagatggc aaacatacgc aagggattta gtcaaacaac	300
tttttggcaa agatggtatg attttgtaat ggggtaggaa ccaatgaaat gcgaggtaag	360
tatggttaat gatctacagt tattggttaa agaagtatat tagagcgagt ctttctgcac	420
acagatcacc tttcctatca accccctcct gaagaggtaa gggtttaagg gatggttggt	480
tggtggggta ttaatgttta attacctgga gcacctgcct gaaatcactt tttttcaggt	540
tg	542

<210> 277

<211> 512

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 277

gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60
aaacacatag atgcgtgtta ggcatgcttc catgccaagg cccacactga aatgctcaaa	120
tgggagacaa agagattaag ctcttatgta aaatttgctg ttttacataa ctttaatgaa	180
tggacaaagt cttgtgcatg ggggtggggg tggggttaga ggggaacagc tccagatggc	240
aaacatacgc aagggattta gtcaaacaac tttttggcaa agatggtatg attttgtaat	300
ggggtaggaa ccaatgaaat gcgaggtaag tatggttaat gatctacagt tattggttaa	360
agaagtatat tagagcgagt ctttctgcac acagatcacc tttcctatca accccctcct	420
gaagaggtaa gggtttaagg gatggttggt tggtggggta ttaatgttta attacctgga	480
gcacctgcct gaaatcactt tttttcaggt tg	512

<210> 278

<211> 611

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 278

gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagtgahta taaaagcccc aggctgggag cagccatcaa tgcgtgttag	180
gcatgcttcc atgccaaggc ccacactgaa atgctcaaat gggagacaaa gagattaagc	240
tcttatgtaa aatttgctgt ttacataac tttaatgaat ggacaaagtc ttgtgcatgg	300
gggtgggggt ggggttagag gggaacagct ccagatggca aacatacgca agggatttag	360
tcaaacaact ttttgcaaaa gatggtatga ttttgtaatg gggtaggaac caatgaaatg	420
cgaggtaagt atggttaatg atctacagtt attggttaaa gaagtatatt agagcgagtc	480
tttctgcaca cagatcacct ttcctatcaa cccctcctg aagaggtaag ggtttaaggg	540
atggttggtt ggtgggggtat taatgtttaa ttacctggag cacctgcctg aaatcacttt	600
ttttcaggtt g	611

<210> 279

<211> 355

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 279

cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacatgcgtg ttaaacagtt ccagatggta aatatacaca agggatttag	120
tcaaacaatt ttttgcaag aatattatga attttgtaat cggttggcag ccaatgaaat	180
aaaagatga gtctagttaa taatctacaa ttattggtta aagaagtata ttagtgctaa	240
tttcctccg tttgtcctct cctgaagagg taagggttta agggatggtt ggttggtggg	300

gtattaatgt ttaattacct ggagcacctg cctgaaatca ctttttttca ggttg 355

<210> 280

<211> 382

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 280

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60

tattagtgtc aatttcctc cgtttgtcct agcttttctc atgcgtgtta aacagttcca 120

gatggtaa atacacaagg gatttagtca aacaattttt tggcaagaat attatgaatt 180

ttgtaatcgg ttggcagcca atgaaatata aagatgagtc tagttaataa tctacaatta 240

ttggttaaag aagtatatta gtgctaattt ccctccgttt gtcctctcct gaagaggtaa 300

gggtttaagg gatggttggt tgggtgggta ttaatgttta attacctgga gcacctgcct 360

gaaatcactt tttttcaggt tg 382

<210> 281

<211> 352

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 281

gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc 60

aaacacatag atgcgtgtta aacagttcca gatggtaa atacacaagg gatttagtca 120

aacaattttt tggcaagaat attatgaatt ttgtaatcgg ttggcagcca atgaaatata 180

aagatgagtc tagttaataa tctacaatta ttggttaaag aagtatatta gtgctaattt 240

ccctccgttt gtcctctcct gaagaggtaa ggggtttaagg gatggttggt tgggtgggta 300

ttaatgttta attacctgga gcacctgcct gaaatcactt tttttcaggt tg 352

<210> 282
<211> 451
<212> DNA
<213> Artificial Sequence

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

<400> 282
gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt 60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc 120
tagctcagga gaagtgahta taaaagcccc aggctgggag cagccatcaa tgcgtgttaa 180
acagttccag atggtaaata tacacaaggg atttagtcaa acaatttttt ggcaagaata 240
ttatgaattt tgtaatcggg ttgcagccaa tgaaatacaa agatgagtct agttaataat 300
ctacaattat tggttaaaga agtatattag tgctaatttc cctccgtttg tcctctcctg 360
aagaggtaag ggtttaaggg atggttggtt ggtgggggtat taatgtttaa ttacctggag 420
cacctgcctg aaatcacttt ttttcaggtt g 451

<210> 283
<211> 430
<212> DNA
<213> Artificial Sequence

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

<400> 283
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cacatgcgtg ttaaataact ctttcggta agtgcagtgg aagctgtaca 120
ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact 180
tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatattca ccagcagcct 240
ccccgttgc ccctctggat ccactgctta aatacggacg aggacagggc cctgtctcct 300
cagcttcagg caccaccact gacctgggac agtctcctga agaggtaagg gttaagggga 360

tggttggttg gtgggggtatt aatgtttaat tacctggagc acctgcctga aatcactttt	420
tttcaggttg	430

<210> 284
 <211> 457
 <212> DNA
 <213> Artificial Sequence

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

<400> 284	
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgtc aatttcctc cgtttgcct agcttttctc atgcgtgtta aatgactcct	120
ttcggtaagt gcagtggaag ctgtacactg cccaggcaaa gcgtccgggc agcgtaggcg	180
ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactgggggtg	240
accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat	300
acggacgagg acagggccct gtctcctcag cttcaggcac caccactgac ctgggacagt	360
ctctgaaga ggtaagggtt taagggatgg ttggttggtg gggtattaat gttaattac	420
ctggagcacc tgcctgaaat cacttttttt caggttg	457

<210> 285
 <211> 427
 <212> DNA
 <213> Artificial Sequence

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

<400> 285	
gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60
aaacacatag atgcgtgtta aatgactcct ttcggtaagt gcagtggaag ctgtacactg	120
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	180
cccctgtttg ctctccgat aactgggggtg accttggtta atattcacca gcagcctccc	240

ccgttgcccc tctggatcca ctgcttaa	at acggacgagg acagggccct gtctcctcag	300
cttcaggcac caccactgac ctgggacagt	ctcctgaaga ggtaagggtt taagggatgg	360
ttggttggtg ggggtattaat gtttaattac	ctggagcacc tgcctgaaat cacttttttt	420
caggttg		427

<210> 286
 <211> 526
 <212> DNA
 <213> Artificial Sequence

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

<400> 286		
gatgctctaa tctctctaga caaggttcat	atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt	ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagtgagta taaaagcccc	aggctgggag cagccatcaa tgcgtgttaa	180
atgactcctt tcggtaagtg cagtgggaagc	tgtacactgc ccaggcaaag cgtccgggca	240
gcgtaggcgg gcgactcaga tcccagccag	tggacttagc ccctgtttgc tcctccgata	300
actgggggtga ccttggttaa tattcaccag	cagcctcccc cgttgcccct ctggatccac	360
tgcttaaata cggacgagga cagggccctg	tctcctcagc ttcaggcacc accactgacc	420
tgggacagtc tcctgaagag gtaagggttt	aagggatggg tggttggtgg ggtattaatg	480
tttaattacc tggagcacct gcctgaaatc	actttttttc aggttg	526

<210> 287
 <211> 435
 <212> DNA
 <213> Artificial Sequence

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

<400> 287		
cgggggaggc tgctggtgaa tattaaccaa	ggtcacccca gttatcggag gagcaaacag	60

gggctaagtc cacatgcgtg ttaaatagact cctttcggta agtgcagtgg aagctgtaca	120
ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact	180
tagccccctgt ttgctcctcc gataactggg gtgaccttgg ttaatattca ccagcagcct	240
ccccgttgc ccctctggat ccactgctta aatacggacg aggacagggc cctgtctcct	300
cagcttcagg caccaccact gacctgggac agtgaatccg gactctaagg taaatataaa	360
atttttaagt gtataatgtg ttaaactact gattctaatt gtttctctct tttagattcc	420
aacctttgga actga	435

<210> 288

<211> 462

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 288

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgtc aatttcctc cgtttgcct agcttttctc atgcgtgtta aatgactcct	120
ttcggttaagt gcagtgaag ctgtacactg cccaggcaaa gcgtccgggc agcgtaggcg	180
ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactgggggtg	240
accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat	300
acggacgagg acagggccct gtctctcag cttcaggcac caccactgac ctgggacagt	360
gaatccggac tctaaggtaa atataaaatt ttttaagtgt taatgtgtta aactactgat	420
tctaattgtt tctctctttt agattccaac ctttggaact ga	462

<210> 289

<211> 448

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 289

gcggccgcga atgaccttca gcctgttccc gtccctgata tgggcaaaca ttgcaagcag	60
caaacagcaa acacatagat gcgtgttaaa tgactccttt cggtaatgtc agtggaagct	120
gtacactgcc caggcaaagc gtccgggcag cgtaggcggg cgactcagat cccagccagt	180
ggacttagcc cctgtttgct cctccgataa ctgggggtgac cttgggttaat attcaccagc	240
agcctcccc gttgccctc tggatccact gcttaaatac ggacgaggac agggccctgt	300
ctcctcagct tcaggcacca ccactgacct gggacagtga atccggactc taaggtaa	360
ataaaatatt taagtgtata atgtgttaaa ctactgattc taattgtttc tctcttttag	420
attccaacct ttggaactga gtttaaac	448

<210> 290

<211> 531

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 290

gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagttagta taaaagcccc aggctgggag cagccatcaa tgcgtgttaa	180
atgactcctt tcggtaagtg cagtggaagc tgtacactgc ccaggcaaag cgtccgggca	240
gcgtaggcgg gcgactcaga tcccagccag tggacttagc ccctgtttgc tcctccgata	300
actgggggtga ctttggttaa tattcaccag cagcctcccc cgttgccct ctggatccac	360
tgcttaaata cggacgagga caggccctg tctcctcagc ttcaggcacc accactgacc	420
tgggacagtg aatccggact ctaaggtaaa tataaaattt ttaagtgtat aatgtgttaa	480
actactgatt ctaattgttt ctctctttta gattccaacc tttggaactg a	531

<210> 291

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

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

<400> 291
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cacatgcgtg ttagggctgg aagctacctt tgacatcatt tcctctgcga 120
atgcatgtat aatttctaca gaacctatta gaaaggatca cccagcctct gcttttgtac 180
aactttccct taaaaaactg ccaattccac tgctgtttgg cccaatagtg agaacttttt 240
cctgctgcct cttagtgctt ttgcctatgg cccctattct gcctgctgaa gacactcttg 300
ccagcatgga cttaaaccct tccagctctg acaatcctct ttctcttttg ttttacatga 360
agggctctggc agccaaagca atcactcaaa gttcaaacct tatcattttt tgctttgttc 420
ctcttggcct tggttttgta catcagcttt gaaaatacca tcccagggtt aatgctgggg 480
ttaatttata actaagagtg ctctagtttt gcaatacagg acatgctata aaaatggaaa 540
gatctctaag gtaaataata aatttttaag tgtataatgt gttaaactac tgattctaata 600
tgtttctctc ttttagattc caacctttgg aactga 636

<210> 292
<211> 663
<212> DNA
<213> Artificial Sequence

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

<400> 292
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60
tattagtgtc aatttccctc cgtttgcct agcttttctc atgcgtgtta gggctggaag 120
ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa cctattagaa 180
aggatcacc agcctctgtc tttgtacaac tttcccttaa aaaactgcc attccactgc 240

tgtttggccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc	300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca	360
atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc actcaaagtt	420
caaaccttat cttttttgc tttgttcctc ttggccttgg tttgtacat cagctttgaa	480
aataccatcc cagggttaat gctgggggta atttataact aagagtgtc tagttttgca	540
atacaggaca tgctataaaa atggaaagat ctctaaggta aatataaaat ttttaagtgt	600
ataatgtgtt aaactactga ttctaattgt ttctctcttt tagattccaa cctttggaac	660
tga	663

<210> 293

<211> 633

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 293

gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60
aaacacatag atgcgtgtta gggctggaag ctaccttga catcatttcc tctgcgaatg	120
catgtataat ttctacagaa cctattagaa aggatcacc agcctctgct tttgtacaac	180
tttcccttaa aaaactgcca attccactgc tgtttggccc aatagtgaga actttttcct	240
gctgcctctt ggtgcttttg cctatggccc ctattctgcc tgctgaagac actcttgcca	300
gcatggactt aaaccctcc agctctgaca atcctctttc tcttttgttt tacatgaagg	360
gtctggcagc caaagcaatc actcaaagtt caaaccttat cttttttgc tttgttcctc	420
ttggccttgg tttgtacat cagctttgaa aataccatcc cagggttaat gctgggggta	480
atttataact aagagtgtc tagttttgca atacaggaca tgctataaaa atggaaagat	540
ctctaaggta aatataaaat ttttaagtgt ataatgtgtt aaactactga ttctaattgt	600
ttctctcttt tagattccaa cctttggaac tga	633

<210> 294
<211> 732
<212> DNA
<213> Artificial Sequence

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

<400> 294
gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt 60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc 120
tagctcagga gaagtgaagta taaaagcccc aggctgggag cagccatcaa tgcgtgttag 180
ggctggaagc tacctttgac atcatttcct ctgcgaatgc atgtataatt tctacagaac 240
ctattagaaa ggatcaccca gcctctgctt ttgtacaact ttcccttaaa aaactgccaa 300
ttccactgct gtttggccca atagtgagaa ctttttcctg ctgcctcttg gtgcttttgc 360
ctatggcccc tattctgcct gctgaagaca ctcttgccag catggactta aaccctcca 420
gctctgacaa tcctctttct cttttgtttt acatgaaggg tctggcagcc aaagcaatca 480
ctcaaagttc aaaccttatac attttttgct ttgttcctct tggccttggt tttgtacatc 540
agctttgaaa ataccatccc agggttaatg ctggggttaa tttataacta agagtgtctt 600
agttttgcaa tacaggacat gctataaaaa tggaaagatc tctaaggtaa atataaaatt 660
tttaagtgtg taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac 720
ctttggaact ga 732

<210> 295
<211> 762
<212> DNA
<213> Artificial Sequence

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

<400> 295
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60
tgtttgctct ggtaataat ctcaggagca caaacattcc agatccaggt taatttttaa 120

aaagcagtca aaagtccaag tggcccttgg cagcatttac tctctctggt tgctctgggt	180
aataatctca ggagcacaaa cattccagat ccggcgcgcc agggctggaa gctaccttg	240
acatcatttc ctctgcgaat gcatgtataa tttctacaga acctattaga aaggatcacc	300
cagcctctgc ttttgtacaa ctttccctta aaaaactgcc aattccactg ctgtttggcc	360
caatagttag aactttttcc tgctgcctct tgggtgcttt gcctatggcc cctattctgc	420
ctgctgaaga cactcttgcc agcatggact taaaccctc cagctctgac aatcctcttt	480
ctcttttggt ttacatgaag ggtctggcag ccaaagcaat cactcaaagt tcaaacctta	540
tcattttttg ctttgttcct cttggccttg gttttgtaca tcagctttga aaataccatc	600
ccagggttaa tgctgggggt aatttataac taagagtgtc ctagttttgc aatacaggac	660
atgctataac tctaaggtaa atataaaatt ttttaagtga taatgtgtta aactactgat	720
tctaattggt tctctctttt agattccaac ctttggaaact ga	762

<210> 296

<211> 766

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 296

agggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc	60
tgtttgctct ggttaataat ctccaggagca caaacattcc agatccaggt taatttttaa	120
aaagcagtca aaagtccaag tggcccttgg cagcatttac tctctctggt tgctctgggt	180
aataatctca ggagcacaaa cattccagat ccggcgcgcc agggctggaa gctaccttg	240
acatcatttc ctctgcgaat gcatgtataa tttctacaga acctattaga aaggatcacc	300
cagcctctgc ttttgtacaa ctttccctta aaaaactgcc aattccactg ctgtttggcc	360
caatagttag aactttttcc tgctgcctct tgggtgcttt gcctatggcc cctattctgc	420
ctgctgaaga cactcttgcc agcatggact taaaccctc cagctctgac aatcctcttt	480

ctcttttggtt ttacatgaag ggtctggcag ccaaagcaat cactcaaagt tcaaacctta	540
tcatttttttg ctttgttcct cttaggccttg gttttgtaca tcagctttga aaataccatc	600
ccagggttaa tgctgggggtt aatttataac taagagtgtc ctagttttgc aatacaggac	660
atgctataac tcctgaagag gtaaggggtt aagggatggt tggttggtgg ggtattaatg	720
tttaattacc tggagcacct gcctgaaatc actttttttc aggttg	766

<210> 297

<400> 297
000

<210> 298

<400> 298
000

<210> 299

<400> 299
000

<210> 300

<211> 518

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 300

tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
ttggccattg catagtttgt atctatatca taatatgtac atttatattg gctcatgtcc	120
aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgcgc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360

ccacttggca gtacatcaag tgtatcatat gccaaagtccg ccccttattg acgtcaatga	420
cggtaaattgg ccgcctggc attatgccca gtacatgacc ttacgggact ttcttacttg	480
gcagtacatc tacgtattag tcatcgctat taccatgg	518

<210> 301

<211> 777

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 301

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc ctaaaatgg 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
gacgcccatac 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 tgtttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc ccaacccgg ctaatTTTTT	720
ctatTTTTga caggacggg gtttcacat gttggtcagg ctggtctaga ggtaccg	777

<210> 302

<211> 427

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 302

gagtcaatgg gaaaaaccca ttggagccaa gtacactgac tcaataggga ctttccattg	60
ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc	120
caagtacatt gagtcaatag ggactttcca atggggtttg cccagtacat aagggtcaatg	180
ggaggtaagc caatggggtt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgcccagta cataagggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt acactgagtc aatagggtact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtgacta	427

<210> 303

<211> 83

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 303

cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacacgcgtg gta	83

<210> 304

<211> 777

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 304

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
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 agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccatac tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgccaggc tggagtgcag tgacacaatc	540
tcattctacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc aacacccgg ctaatTTTT	720
ctatTTTTga caggacggg gtttcaccat gttggtcagg ctggtctaga ggtactg	777

<210> 305

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 305

gtttgctgct tgcaatgttt gccatttta gggtaggacac aggacgctgt ggtttctgag	60
---	----

ccaggg	66
--------	----

<210> 306

<211> 212

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 306

ggaggggtgg agtcgtgacc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca	60
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cacagccctc cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc	120
ccatgccacc tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt	180
gtcctggcgt ggtttaggta gtgtgagagg gg	212

<210> 307

<211> 330

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 307

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc ctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg ggtacccggg	330

<210> 308

<211> 194

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 308

ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggttttag	180
gtagtgtgag aggg	194

<210> 309
<211> 240
<212> DNA
<213> Artificial Sequence

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

<400> 309
gggcctgaaa taacctctga aagaggaact tggtaggta ctttctgagg ctgaaagaac 60
cagctgtgga atgtgtgtca gttaggggtgt ggaaagtccc caggctcccc agcaggcaga 120
agtatgcaaa gcatgcatct caattagtca gcaaccagggt gtggaaagtc cccaggctcc 180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta 240

<210> 310
<211> 73
<212> DNA
<213> Artificial Sequence

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

<400> 310
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cac 73

<210> 311
<211> 100
<212> DNA
<213> Artificial Sequence

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

<400> 311
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60
tgtttgctct ggtaataat ctgaggagca caaacattcc 100

<210> 312

<211> 296
<212> DNA
<213> Artificial Sequence

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

<400> 312
gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgcccgaatg 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> 313
<211> 235
<212> DNA
<213> Artificial Sequence

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

<400> 313
ggcctgaaat aacctctgaa agaggaactt ggtaggtac cttctgaggc ggaaagaacc 60
agctgtggaa tgtgtgtcag ttaggggtgtg gaaagtcccc aggctcccca gcaggcagaa 120
gtatgcaaag catgcatctc aattagtcag caaccaggtg tggaaagtcc ccaggctccc 180
cagcaggcag aagtatgcaa agcatgcatc tcaattagtc agcaaccata gtccc 235

<210> 314

<400> 314
000

<210> 315
<211> 1127
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 315

ggagtcgctg cgacgctgcc ttcgccccgt gccccgctcc gccgccgcct cgcgccgccc	60
gccccggctc tgactgaccg cgttactccc acaggtgagc gggcgggacg gcccttctcc	120
tccgggctgt aattagcgct tggtttaatg acggcttggt tcttttctgt ggctgcgtga	180
aagccttgag gggctccggg agggcccttt gtgcgggggg gagcggctcg gggggtgcgt	240
gcgtgtgtgt gtgcgtgggg agcgccgcgt gcggccgcg ctgccggcg gctgtgagcg	300
ctgcgggcgc ggcgcggggc tttgtgcgt 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 ggtggcgga ggtgggggtg ccgggcgggg	600
cggggccgcc tcgggcgggg gagggctcgg gggaggggcg cggcggcccc cggagcgccg	660
gcggctgtcg aggcgcggcg agccgcagcc attgcctttt atggtaatcg tgcgagaggg	720
cgcagggact tcctttgtcc caaatctgtg cggagccgaa atctgggagg gcccgccga	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 ttcctacagc	1020
tcctgggcaa cgtgctgggt attgtgctgt ctcacatctt gtcgacagaa ttcctcgaag	1080
atccgaaggg gttcaagctt ggcattccgg tactgttggt aaagcca	1127

<210> 316

<211> 93

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 316

ctctaaggta aatataaaat ttttaagtgt ataatgtggt aaactactga ttctaattgt 60

ttctctcttt tagattccaa cctttggaac tga 93

<210> 317

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 317

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cgga 54

<210> 318

<211> 173

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 318

ctgccttctc cctcctgtga gtttggtgaag tcactgactg tctatgcctg ggaaagggtg 60

ggcaggagat ggggcagtg caggaaaagtgc gcactatgaa ccctgcagcc ctagacaatt 120

gtactaacct tcttctcttt cctctcctga caggttgggtg tacagtagct tcc 173

<210> 319

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 319

aagaggtaag ggtttaaggg atggttggtt ggtgggggtat taatgtttaa ttacctggag 60

cacctgcctg aaatcacttt ttttcaggtt g 91

<210> 320

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 320

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaata atta 54

<210> 321

<211> 147

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 321

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60

ggtaaataata aaatTTTTTaa gtgtataatg tgTTAAacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactga 147

<210> 322

<211> 147

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 322

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaata attactctaa 60

ggtaaataata aaatTTTTTaa gtgtataatg tgTTAAacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactga 147

<210> 323
 <211> 48
 <212> DNA
 <213> Artificial Sequence

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

 <400> 323
 tcctcagctt caggcaccac cactgacctg ggacagtgaa tcgccacc 48

 <210> 324
 <211> 128
 <212> DNA
 <213> Artificial Sequence

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

 <400> 324
 gctagcaggt aagtgccgtg tgtggttccc gcgggcctgg cctctttacg ggttatggcc 60
 cttgcgtgcc ttgaattact gacactgaca tccacttttt ctttttctcc acaggtttaa 120
 acgccacc 128

 <210> 325
 <211> 98
 <212> DNA
 <213> Artificial Sequence

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

 <400> 325
 aagaggtaag ggtttaagtt atcgtagtt cgtgcaccat taatgtttaa ttacctggag 60
 cacctgcctg aaatcatttt tttttcaggt tggctagt 98

 <210> 326
 <211> 172
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 326

gcttagtgct gagcacatcc agtgggtaaa gttccttaaa atgctctgca aagaaattgg 60

gacttttcat taaatcagaa attttacttt tttccctcc tgggagctaa agatatttta 120

gagaagaatt aaccttttgc ttctccagtt gaacatttgt agcaataagt ca 172

<210> 327

<211> 160

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 327

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60

ggtaaataata aaatttttta gtgtataatg tggtaaacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactgaatt ctagaccacc 160

<210> 328

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 328

accactttca caatctgcta gcaaagggtt 29

<210> 329

<211> 133

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 329

gtaagtatca aggttacaag acaggttttaa ggagaccaat agaaactggg cttgtcgaga 60

cagagaagac tcttgcgttt ctgataggca cctattgggtc ttactgacat ccactttgcc 120

tttctctcca cag 133

<210> 330

<211> 341

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 330

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> 331

<211> 316

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 331

tctagagaag ctttattgcg gtagtttatc acagttaa at tgctaacgca gtcagtgcctt 60

ctgacacaac agtctcgaac ttaagctgca gtgactctct taaggtagcc ttgcagaagt 120

tggtcgtgag gcactgggca ggtaagtatc aaggttacaa gacaggttta aggagaccaa 180

tagaaactgg gcttgtcgag acagagaaga ctcttgcgtt tctgataggc acctattggt 240

cttactgaca tccactttgc ctttctctcc acaggtgtcc actcccagtt caattacagc	300
tcttaaggcc ctgcag	316

<210> 332
 <211> 76
 <212> DNA
 <213> Artificial Sequence

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

<400> 332	
caaagtccag gccctctgc tgcagcgccc gcgcgtccag aggccctgcc agacacgcgc	60
gaggttcgag gctgag	76

<210> 333
 <211> 127
 <212> DNA
 <213> Artificial Sequence

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

<400> 333	
agaatgatga aaaccgaggt tggaaaaggt tgtgaaacct tttaactctc cacagtggag	60
tccattatatt cctctggctt cctcaaattc atattcacag ggctcgttggc tgtggggtgc	120
aattacc	127

<210> 334
 <211> 80
 <212> DNA
 <213> Artificial Sequence

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

<400> 334	
atagcagagc aatcaccacc aagcctggaa taactgcaag ggctctgctg acatcttcct	60

gaggtgccaa ggaaatgagg 80

<210> 335

<211> 208

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 335

gggtcaccac cacctccaca gcacagacag acactcagga gccagccagc caggtaagtt 60

tagtcttttt gtcttttatt tcagggtccg gatccggtgg tggtgcaaata caaagaactg 120

ctcctcagtg gatgttgccct ttacttctag gcctgtacgg aagtgttact tctgctctaa 180

aagctgcgga attgtacccg cggccgcg 208

<210> 336

<211> 159

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 336

aagcttctgc cttctccctc ctgtgagttt ggtaagtcac tgactgtcta tgcctgggaa 60

aggggtgggca ggagatgggg cagtgacagga aaagtggcac tatgaaccct gcagccctag 120

acaattgtac taaccttctt ctctttcctc tcctgacag 159

<210> 337

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 337

cgcgcctagc agtgtcccag ccgggttcgt gtcgcc 36

<210> 338
<211> 141
<212> DNA
<213> Artificial Sequence

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

<400> 338
acgccgcctg ggtcccagtc ccggtcccat cccccggcgg cctaggcagc gtttccagcc 60
ccgagaactt tgttcttttt gtcccgcccc ctgcgccc aa ccgcctgcgc cgccttcgg 120
cccgagttct ggagactcaa c 141

<210> 339
<211> 110
<212> DNA
<213> Artificial Sequence

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

<400> 339
gttggatgaa accttcctcc tactgcacag cccgcccccc tacagccccg gtccccacgc 60
ctagaagaca gcggaactaa gaaaagaaga ggcctgtgga cagaacaatc 110

<210> 340
<211> 164
<212> DNA
<213> Artificial Sequence

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

<400> 340
ggtggggcgg ggttgagtcg gaaccacaat agccaggcga agaaactaca actcccaggg 60
cgtcccggag caggccaacg ggactacggg aagcagcggg cagcggcccg cgggaggcac 120
ctcggagatc tgggtgcaaa agcccagggt taggaaccgt aggc 164

<210> 341
<211> 127
<212> DNA
<213> Artificial Sequence

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

<400> 341
ggccaccgga attaacctt cagggctggg ggccgcgcta tgccccgccc cctccccagc 60
cccagacacg gaccccgag gagatgggtg ccccatccg cacactgtcc tttggccacc 120
ggacatc 127

<210> 342
<211> 341
<212> DNA
<213> Artificial Sequence

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

<400> 342
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> 343

<400> 343
000

<210> 344

<400> 344

000

<210> 345

<211> 581

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 345

gagcatctta cgcatttta ttccatatt tgttctgttt ttcttgattt gggatatacat	60
ttaaatgtta ataaaacaaa atggtggggc aatcatttac atttttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattcct	240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgtata aatcctgggt gctgtctctt	360
ttagaggagt tgtggcccg tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaacccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatgccac ggcagaactc atgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt c	581

<210> 346

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 346

tccataaagt aggaaacact acacgattcc ataaagtagg aaacactaca tcaactcata	60
aagtaggaaa cactaca	77

<210> 347

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

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

<400> 347
tgaaagatgg atttccaagg ttaattcatt ggaattgaaa attaacagag atctagagct 60
gaattcctgc agccaggggg atcagcct 88

<210> 348
<211> 395
<212> DNA
<213> Artificial Sequence

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

<400> 348
taaaatacag catagcaaaa cttaaaccctc caaatcaagc ctctacttga atccttttct 60
gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag 120
cctcaccttc tttcatggag tttaagatat agtgtatttt cccaaggttt gaactagctc 180
ttcattttctt tatgttttaa atgcactgac ctccacatt cccttttttag taaaatattc 240
agaaataatt taaatacatc attgcaatga aaataaatgt tttttattag gcagaatcca 300
gatgctcaag gcccttcata atatcccca gtttagtagt tggacttagg gaacaaagga 360
acctttaata gaaattggac agcaagaaag cgagc 395

<210> 349
<211> 800
<212> DNA
<213> Artificial Sequence

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

<400> 349
agtcaatatg ttcaccccaa aaaagctggtt tggttaacttg ccaacctcat tctaaaatgt 60

atatagaagc ccaaaagaca ataacaaaaa tattcttgta gaacaaaatg ggaaagaatg	120
ttccactaaa tatcaagatt tagagcaaag catgagatgt gtggggatag acagtgaggc	180
tgataaaata gagtagagct cagaaacaga ccatttgata tatgtaagtg acctatgaaa	240
aaaatatggc attttacaat gggaaaatga tggctctttt cttttttaga aaaacaggga	300
aatatattta tatgtaaaaa ataaaaggga acccatatgt cataccatac acacaaaaaa	360
attccagtga attataagtc taaatggaga aggcaaaact ttaaatcttt tagaaaataa	420
tatagaagca tgccatcaag acttcagtgt agagaaaaat ttcttatgac tcaaagtcct	480
aaccacaaag 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 catgagaaac	720
tcaatctcag aaatcagaga actatcattg catatacact aaattagaga aatattaataa	780
ggctaagtaa catctgtggc	800

<210> 350

<211> 407

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 350

aattatctct aaggcatgtg aactggctgt ctgggttttc atctgtactt catctgctac	60
ctctgtgacc tgaaacatat ttataattcc attaagctgt gcatatgata gatttatcat	120
atgtattttc cttaaaggat ttttgtaaga actaattgaa ttgataacctg taaagtcttt	180
atcacactac ccaataaata ataaatctct ttgttcagct ctctgtttct ataaatatgt	240
accagtttta ttgttttttag tggtagtgat ttattctct ttctatatat atacacacac	300
atgtgtgcat tcataaatat atacaatttt tatgaataaa aaattattag caatcaatat	360

tgaaaaccac tgatTTTTgt ttatgtgagc aaacagcaga ttaaaag 407

<210> 351

<211> 186

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 351

catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa 60

aagcttattc atctgttttt ctttttcgtt ggtgtaaagc caacaccctg tctaaaaaac 120

ataaatttct ttaatcattt tgcctctttt ctctgtgctt caattaataa aaaatggaaa 180

gaatct 186

<210> 352

<211> 395

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 352

taaaatacag catagcaaaa cttaaacctc caaatcaagc ctctacttga atccttttct 60

gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag 120

cctcaccttc tttcatggag ttttaagatat agtgtatttt cccaagggtt gaactagctc 180

ttcattttctt tatgttttaa atgcactgac ctccacatt cccttttttag taaaatattc 240

agaaataatt taaatacatc attgcaatga aaataaatgt tttttattag gcagaatcca 300

gatgctcaag gcccttcata atatcccca gtttagtagt tggacttagg gaacaaagga 360

acctttaata gaaattggac agcaagaaag ccagc 395

<210> 353

<211> 580

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 353

gagcatctta cgcatttta ttccatatt tgttctgttt ttcttgattt gggatatacat	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 aatcctgggt gctgtctctt	360
ttagaggagt tgtggccgt tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaaccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgt	480
ttccccctcc cgatgccac ggcagaactc atcgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt	580

<210> 354

<211> 64

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 354

cctcgccccg gacctgccct cccgccaggt gcacccacct gcaataaatg cagcgaagcc	60
ggga	64

<210> 355

<211> 247

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polynucleotide

<400> 355
gataatcaac ctctggatta caaaatttgt gaaagattga ctggtattct taactatgtt 60
gctcctttta cgctatgtgg atacgtgct ttaatgcctt tgtatcatgc tattgcttcc 120
cgtatggcctt tcattttctc ctcttgtat aaatcctggg tagttcttgc cacggcggaa 180
ctcatgcccg cctgccttgc ccgctgctgg acaggggctc ggctgttggg cactgacaat 240
tccgtgg 247

<210> 356
<211> 144
<212> DNA
<213> Artificial Sequence

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

<400> 356
aaatacatca ttgcaatgaa aataaatgtt ttttattagg cagaatccag atgctcaagg 60
cccttcataa tatccccag tttagtagtt ggacttaggg aacaaaggaa cctttaatag 120
aaattggaca gcaagaaagc gagc 144

<210> 357
<211> 62
<212> DNA
<213> Artificial Sequence

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

<400> 357
gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt gggatatacat 60
tt 62

<210> 358

<400> 358
000

<210> 359

<400> 359
000

<210> 360

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 360

tgtgccttct agttgccagc catctgttgt ttgccctcc cccgtgcctt ccttgaccct 60

ggaaggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120

gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg 180

ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc 225

<210> 361

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 361

aataaaagat ctttattttc attagatctg tgtgttggtt ttttgtgtg 49

<210> 362

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 362

gcggccgcaa taaaagatca gagctctaga gatctgtgtg ttggtttttt gtgt 54

<210> 363

<211> 74

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 363

ggatccaata aaatatcttt attttcatta catctgtgtg ttggtttttt gtgtgttttc 60

ctgtaacgat cggg 74

<210> 364

<211> 143

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 364

ctcgatgctt tatttgtgaa atttgtgatg ctattgcttt atttgtaacc attataagct 60

gcaataaaca agttaacaac aacaattgca ttcattttat gtttcagggt cagggggagg 120

tgtgggaggt tttttaact agt 143

<210> 365

<211> 228

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 365

ctactgtgcc ttctagttgc 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> 366

<211> 222

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 366

cagacatgat aagatacatt gatgagtttg gacaaaccac aactagaatg cagtgaaaaa 60

aatgctttat ttgtgaaatt tgtgatgcta ttgctttatt tgtaaccatt ataagctgca 120

ataaacaagt taacaacaac aattgcattc attttatgtt tcaggttcag ggggagatgt 180

gggaggtttt ttaaagcaag taaaacctct acaaatgtgg ta 222

<210> 367

<211> 226

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 367

ccagacatga taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa 60

aaatgcttta tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc 120

aataaacaag ttaacaacaa caattgcatt catTTTTatgt ttcaggttca gggggagggtg 180

tgggaggttt tttaaagcaa gtaaaacctc tacaaatgtg gtatgg 226

<210> 368

<211> 129

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 368
gttaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa tgcattcccc cccccccccc cccccccccc ccccccaaag gctcttttca 120
gagccacca 129

<210> 369
<211> 232
<212> DNA
<213> Artificial Sequence

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

<400> 369
gcggccgcgg ggatccagac atgataagat acattgatga gtttggacaa accacaacta 60
gaatgcagtg aaaaaaatgc tttatttgtg aaatttgtga tgctattgct ttatttgtaa 120
ccattataag ctgcaataaa caagttaaca acaacaattg cattcatttt atgtttcagg 180
ttcaggggga ggtgtgggag gttttttagt cgaccatgct ggggagagat ct 232

<210> 370
<211> 135
<212> DNA
<213> Artificial Sequence

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

<400> 370
gatccagaca tgataagata cattgatgag tttggacaaa ccacaactag aatgcagtga 60
aaaaaatgct ttatttgtga aatttgtgat gctattgctt tatttgtaac cattataagc 120
tgcaataaac aagtt 135

<210> 371
<211> 49
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 371

cggcaataaa aagacagaat aaaacgcacg ggtgttgggt cgtttggtc 49

<210> 372

<211> 226

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 372

ccataccaca ttgttagagg ttttacttgc tttaaaaaac ctcccacacc tccccctgaa 60

cctgaaacat aaaatgaatg caattgttgt tggttaacttg ttatttgcag cttataatgg 120

ttacaaataa agcaatagca tcacaaattt cacaataaaa gcattttttt cactgcattc 180

tagttgttgt ttgtccaaac tcatcaatgt atcttatcat gtctgg 226

<210> 373

<211> 416

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 373

catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa 60

aagcttattc atctgttttt ctttttcggt ggtgttaaagc caacaccctg tctaaaaaac 120

ataaatttct ttaatcattt tgcctctttt ctctgtgctt caattaataa aaaatggaaa 180

gaatctaata gagtgggtaca gcactgttat ttttcaaaga tgtgttgcta tcctgaaaat 240

tctgtagggt ctgtggaagt tccagtgttc tctcttattc cacttcggta gaggatttct 300

agtttcttgt gggctaatta aataaatcat taatactctt ctaagttatg gattataaac 360

attcaaaata atattttgac attatgataa ttctgaataa aagaacaaaa accatg 416

<210> 374
<211> 415
<212> DNA
<213> Artificial Sequence

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

<400> 374
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aatctaatag agtggtacag cactgttatt tttcaaagat gtgttgctat cctgaaaatt 240
ctgtaggttc tgtggaagtt ccagtgttct ctcttattcc acttcggtag aggatttcta 300
gtttcttgtg ggctaattaa ataaatcatt aatactcttc taagttatgg attataaaca 360
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<223> Description of Artificial Sequence: Synthetic polynucleotide

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peptide

<400> 530
Ala Ala Leu Glu Ala Leu Ala Glu Ala Leu Glu Ala Leu Ala Glu Ala
1 5 10 15

Leu Glu Ala Leu Ala Glu Ala Ala Ala Gly Gly Cys
20 25

<210> 531
<211> 30
<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 531

Ala	Ala	Leu	Ala	Glu	Ala	Leu	Ala	Glu	Ala	Leu	Ala	Glu	Ala	Leu	Ala
1				5				10						15	

Glu	Ala	Leu	Ala	Glu	Ala	Leu	Ala	Ala	Ala	Gly	Gly	Cys
			20					25				30

<210> 532

<211> 15

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 532

Ala	Leu	Glu	Ala	Leu	Ala	Glu	Ala	Leu	Glu	Ala	Leu	Ala	Glu	Ala
1				5				10					15	

<210> 533

<211> 22

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 533

Gly	Leu	Phe	Glu	Ala	Ile	Glu	Gly	Phe	Ile	Glu	Asn	Gly	Trp	Glu	Gly
1				5				10						15	

Met	Ile	Trp	Asp	Tyr	Gly
			20		

<210> 534

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 534

Gly	Leu	Phe	Gly	Ala	Ile	Ala	Gly	Phe	Ile	Glu	Asn	Gly	Trp	Glu	Gly
1				5					10					15	

Met	Ile	Asp	Gly	Trp	Tyr	Gly
			20			

<210> 535

<211> 24

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 535

Gly	Leu	Phe	Glu	Ala	Ile	Glu	Gly	Phe	Ile	Glu	Asn	Gly	Trp	Glu	Gly
1				5					10					15	

Met	Ile	Asp	Gly	Trp	Tyr	Gly	Cys
			20				

<210> 536

<211> 24

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 536

Gly	Leu	Phe	Glu	Ala	Ile	Glu	Gly	Phe	Ile	Glu	Asn	Gly	Trp	Glu	Gly
1				5					10					15	

Met	Ile	Asp	Gly	Trp	Tyr	Gly	Cys
			20				

<210> 537
<211> 22
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 537
Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
1 5 10 15

Met Ile Asp Gly Gly Cys
20

<210> 538
<211> 22
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 538
Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
1 5 10 15

Met Ile Asp Gly Gly Cys
20

<210> 539
<211> 24
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 539
Cys Gly Leu Phe Gly Glu Ile Glu Glu Leu Ile Glu Glu Gly Leu Glu
1 5 10 15

Asn Leu Ile Asp Trp Gly Asn Gly
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<210> 540

<211> 35

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 540

Gly Leu Phe Gly Ala Leu Ala Glu Ala Leu Ala Glu Ala Leu Ala Glu
1 5 10 15

His Leu Ala Glu Ala Leu Ala Glu Ala Leu Glu Ala Leu Ala Ala Gly
20 25 30

Gly Ser Cys
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<210> 541

<211> 34

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 541

Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
1 5 10 15

Leu Ala Glu Ala Leu Ala Glu Ala Leu Glu Ala Leu Ala Ala Gly Gly
20 25 30

Ser Cys

<210> 542

<211> 21
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<223> Norleucine

<400> 542
Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
1 5 10 15

Leu Ile Asp Gly Lys
20

<210> 543
<211> 20
<212> PRT
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<220>
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<222> (17)..(17)
<223> Norleucine

<400> 543
Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
1 5 10 15

Leu Ile Asp Gly
20

<210> 544
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<212> PRT

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<400> 544

Gly	Leu	Phe	Glu	Ala	Leu	Leu	Glu	Leu	Leu	Glu	Ser	Leu	Trp	Glu	Leu
1				5				10						15	

Leu Leu Glu Ala
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<210> 545

<211> 20

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 545

Gly	Leu	Phe	Lys	Ala	Leu	Leu	Lys	Leu	Leu	Lys	Ser	Leu	Trp	Lys	Leu
1				5				10						15	

Leu Leu Lys Ala
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<210> 546

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 546

Gly	Leu	Phe	Arg	Ala	Leu	Leu	Arg	Leu	Leu	Arg	Ser	Leu	Trp	Arg	Leu
1				5				10						15	

Leu Leu Arg Ala
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polypeptide

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Trp Glu Ala Lys Leu Ala Lys Ala Leu Ala Lys Ala Leu Ala Lys His
1 5 10 15

Leu Ala Lys Ala Leu Ala Lys Ala Leu Lys Ala Cys Glu Ala
20 25 30

<210> 548
<211> 22
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 548
Gly Leu Phe Phe Glu Ala Ile Ala Glu Phe Ile Glu Gly Gly Trp Glu
1 5 10 15

Gly Leu Ile Glu Gly Cys
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<210> 549
<211> 26
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 549
Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 550

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 550

His His His His His Trp Tyr Gly
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<210> 551

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 551

Cys His Lys Lys Lys Lys Lys Lys His Cys
1 5 10

<210> 552

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic
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<400> 552

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

<210> 553

<211> 14

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 553

Gly	Arg	Lys	Lys	Arg	Arg	Gln	Arg	Arg	Arg	Pro	Pro	Gln	Cys
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<210> 554

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 554

Gly	Ala	Leu	Phe	Leu	Gly	Trp	Leu	Gly	Ala	Ala	Gly	Ser	Thr	Met
1				5					10					15

<210> 555

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 555

Gly	Ala	Trp	Ser	Gln	Pro	Lys	Lys	Lys	Arg	Lys	Val
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<210> 556

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 556

Leu Leu Ile Ile Leu Arg Arg Arg Ile Arg Lys Gln Ala His Ala His

1 5 10 15

Ser Lys

<210> 557

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 557

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Lys Ile Asn Leu Lys
1 5 10 15

Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
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<210> 558

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 558

Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
1 5 10 15

Leu Ala

<210> 559

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

peptide

<400> 559

Arg Arg Arg Arg Arg Arg Arg Arg Arg

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<210> 560

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 560

Lys Phe Phe Lys Phe Phe Lys Phe Phe Lys

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<210> 561

<211> 37

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 561

Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly Lys Glu

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15

Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn Leu Val

20

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Pro Arg Thr Glu Ser

35

<210> 562

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

polypeptide

<400> 562

Ser Trp Leu Ser Lys Thr Ala Lys Lys Leu Glu Asn Ser Ala Lys Lys
1 5 10 15

Arg Ile Ser Glu Gly Ile Ala Ile Ala Ile Gln Gly Gly Pro Arg
20 25 30

<210> 563

<211> 30

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 563

Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr
1 5 10 15

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25 30

<210> 564

<211> 36

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 564

Asp His Tyr Asn Cys Val Ser Ser Gly Gly Gln Cys Leu Tyr Ser Ala
1 5 10 15

Cys Pro Ile Phe Thr Lys Ile Gln Gly Thr Cys Tyr Arg Gly Lys Ala
20 25 30

Lys Cys Cys Lys
35

<210> 565
<211> 54
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 565
Arg Lys Cys Arg Ile Val Val Ile Arg Val Cys Arg Arg Arg Arg Pro
1 5 10 15

Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro Phe Phe Pro Pro
20 25 30

Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro Arg Phe Pro Pro
35 40 45

Arg Phe Pro Gly Lys Arg
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<210> 566
<211> 13
<212> PRT
<213> Artificial Sequence

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

<400> 566
Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 567
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 567

Trp Glu Ala Ala Leu Ala Glu Ala Leu Ala Glu Ala Leu Ala Glu His
1 5 10 15

Leu Ala Glu Ala Leu Ala Glu Ala Leu Glu Ala Leu Ala Ala
20 25 30

<210> 568

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 568

Cys Ala Glu Ala Leu Ala Glu Ala Leu Ala Glu Ala Leu Ala Glu Ala
1 5 10 15

Leu Ala

<210> 569

<211> 26

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 569

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 570

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 570

Cys Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala
1 5 10 15

Leu Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 571

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 571

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

Tyr Val Lys Asn Leu
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<210> 572

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 572

Cys Ala Ala Phe Ile Ile Asp His Ala Phe Leu Leu Met Gly Gly Phe
1 5 10 15

Ile Val Tyr Val Lys Asn Leu
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<210> 573

<211> 17
<212> PRT
<213> Artificial Sequence

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

<400> 573
Cys Ala Arg Gly Trp Glu Val Leu Lys Tyr Trp Trp Asn Leu Leu Gln
1 5 10 15

Tyr

<210> 574
<211> 30
<212> PRT
<213> Artificial Sequence

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

<400> 574
Met Val Lys Ser Lys Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala
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Met Trp Ser Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro
20 25 30

<210> 575
<211> 18
<212> PRT
<213> Artificial Sequence

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

<400> 575
Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
1 5 10 15

Leu Ala

<210> 576
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 576
Tyr Ala Arg Ala Ala Ala Arg Gln Ala Arg Ala
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<210> 577
<211> 29
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 577
Gly Asp Cys Leu Pro His Leu Lys Leu Cys Lys Glu Asn Lys Asp Cys
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Cys Ser Lys Lys Cys Lys Arg Arg Gly Thr Asn Ile Glu
20 25

<210> 578
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 578
Arg Arg Leu Ser Tyr Ser Arg Arg Arg Phe
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<210> 579

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 579
Arg Gly Gly Arg Leu Ser Tyr Ser Arg Arg Arg Phe Ser Thr Ser Thr
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Gly Arg

<210> 580
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 580
Ile Ala Trp Val Lys Ala Phe Ile Arg Lys Leu Arg Lys Gly Pro Leu
1 5 10 15

Gly

<210> 581
<211> 16
<212> PRT
<213> Artificial Sequence

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

<400> 581
Tyr Thr Ala Ile Ala Trp Val Lys Ala Phe Ile Arg Lys Leu Arg Lys
1 5 10 15

<210> 582

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

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

<400> 582
Gly Leu Trp Arg Ala Leu Trp Arg Leu Leu Arg Ser Leu Trp Arg Leu
1 5 10 15

Leu Trp Arg Ala
20

<210> 583
<211> 15
<212> PRT
<213> Artificial Sequence

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

<400> 583
Lys Trp Phe Glu Thr Trp Phe Thr Glu Trp Pro Lys Lys Arg Lys
1 5 10 15

<210> 584
<211> 21
<212> PRT
<213> Artificial Sequence

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

<400> 584
Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
1 5 10 15

Lys Lys Arg Lys Val
20

<210> 585

<211> 21
<212> PRT
<213> Artificial Sequence

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

<220>
<221> MISC_FEATURE
<222> (7)..(8)
<223> PepFect peptide (amide linkage from epsilon group of Lys7)

<400> 585
Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu Lys Ala Leu Ala Ala Leu
1 5 10 15

Ala Lys Lys Ile Leu
20

<210> 586
<211> 21
<212> PRT
<213> Artificial Sequence

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

<400> 586
Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu Lys Ala Leu Ala Ala Leu
1 5 10 15

Ala Lys Lys Ile Leu
20

<210> 587
<211> 17
<212> PRT
<213> Artificial Sequence

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

<400> 587

Arg Gln Ile Lys Ile Val Val Phe Gln Asn Arg Arg Met Lys Trp Lys
1 5 10 15

Lys

<210> 588

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 588

Trp Glu Ala Lys Leu Ala Lys Ala Leu Ala Lys Ala Leu Ala Lys His
1 5 10 15

Leu Ala Lys Ala Leu Ala Lys Ala Leu Lys Ala Cys Glu Ala
20 25 30

<210> 589

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 589

Leu Leu Ile Ile Leu Arg Arg Arg Ile Arg Lys Gln Ala His Ala His
1 5 10 15

Ser Lys

<210> 590

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 590

Tyr Thr Ile Val Val Met Pro Glu Asn Pro Arg Pro Gly Thr Pro Cys
1 5 10 15

Asp Ile Phe Thr Asn Ser Arg Gly Lys Arg Ala Ser Asn Gly
20 25 30

<210> 591

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 591

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Lys
1 5 10 15

<210> 592

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 592

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
1 5 10 15

Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
20 25

<210> 593

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 593

Gly Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln
1 5 10

<210> 594

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 594

Lys Met Thr Arg Ala Gln Arg Arg Ala Ala Ala Arg Arg Asn Arg Arg
1 5 10 15

Trp Thr Ala Arg
20

<210> 595

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 595

Lys Lys Arg Lys Ala Pro Lys Lys Lys Arg Lys Phe Ala
1 5 10

<210> 596

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 596

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

Pro Pro Arg Val Arg Val
20

<210> 597

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 597

Leu Ile Arg Leu Trp Ser His Leu Ile His Ile Val Val Phe Gln Asn
1 5 10 15

Arg Arg Leu Lys Trp Lys Lys Lys
20

<210> 598

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 598

Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly
1 5 10 15

Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
20 25

<210> 599

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 599

Gly Ala Leu Phe Leu Ala Phe Leu Ala Ala Ala Leu Ser Leu Met Gly
1 5 10 15

Leu Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
20 25

<210> 600

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 600

Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro
1 5 10 15

<210> 601

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 601

Tyr Ile Gly Ser Arg
1 5