

SEQUENCE LISTING

<110> GENERATION BIO CO.
HAMM, Luke S.

<120> NON-VIRAL DNA VECTORS AND USES THEREOF FOR EXPRESSING
GAUCHER THERAPEUTICS

<130> 131698-06620

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<150> 62/993,866

<151> 2020-03-24

<160> 390

<170> PatentIn version 3.5

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<220>
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gcgcagctgc ctgcagg 137

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<210> 65
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<210> 66
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<400> 66
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<210> 67

<400> 67
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<210> 69
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<213> Artificial Sequence

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

<400> 69
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<210> 70
<211> 8
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<213> Artificial Sequence

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

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<210> 71
<211> 16
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<213> Artificial Sequence

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

<400> 71
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<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>
<221> source
<223> /note="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>
<221> source
<223> /note="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>
<221> source
<223> /note="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>
<221> source
<223> /note="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
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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>
<221> source
<223> /note="Description of Unknown:
Myoma T protein sequence"

<400> 97
Val Ser Arg Lys Arg Pro Arg Pro
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<210> 98
<211> 8
<212> PRT
<213> Unknown

<220>
<221> source
<223> /note="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
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<210> 100
<211> 12
<212> PRT
<213> Mus musculus

<400> 100
Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
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<210> 113

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="Description of Artificial Sequence: Synthetic
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<400> 113

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cagtgagcga gcgagcgcg 80

<210> 114

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 114

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cagtgagcga gcgagcgcg 80

<210> 115

<400> 115

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<210> 116

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

<400> 123
gttttaaac 8

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

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

<400> 124
ttaattaa 8

<210> 125

<400> 125
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<400> 199
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<210> 200
<211> 278
<212> DNA
<213> Artificial Sequence

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

<400> 200
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ggcgcgcgcc aggcggggcg gggcggggcg aggggcgggg cggggcgagg cggagaggtg 180
cggcggcagc caatcagagc ggcgcgctcc gaaagtttcc ttttatggcg aggcggcggc 240
ggcggcggcc ctataaaaag cgaagcgcgc ggcgggcg 278

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

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

<400> 201
gatcttgcta ccagtggaac agccactaag gattctgcag tgagagcaga gggccagcta 60
agtgggtactc tcccagagac tgtctgactc acgccacccc ctccaccttg gacacaggac 120
gctgtggttt ctgagccagg tacaatgact cttttcggtg agtgcagtgg 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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

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

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

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

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

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

<400> 204

ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactggggtg	60
accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaa	120
acggacgagg acagggccct gtc	143

<210> 205
 <211> 222
 <212> DNA
 <213> Artificial Sequence

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

<400> 205	
gtctgtctgc acatttcgta gagcgagtgt tccgatactc taatctcct aggcaaggtt	60
catattgact taggttactt attctcctt tggtgactaa gtcaataatc agaatcagca	120
ggtttggagt cagcttggca gggatcagca gcctgggttg gaaggagggg gtataaaagc	180
cccttcacca ggagaagccg tcacacagat ccacaagctc ct	222

<210> 206
 <211> 223
 <212> DNA
 <213> Artificial Sequence

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

<400> 206	
gtctgtctgc acatttcgta gagcgagtgt tccgatactc taatctcct aggcaaggtt	60
catatttgtg taggttactt attctcctt tggtgactaa gtcaataatc agaatcagca	120
ggtttggagt cagcttggca gggatcagca gcctgggttg gaaggagggg gtataaaagc	180
cccttcacca ggagaagccg tcacacagat ccacaagctc ctg	223

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

<220>
 <221> source

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

<400> 207

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atgcccggct aattttttgt attttttagta gaggaggagt ttcattcttgt tagctaggat	120
ggtctagatc tcctgacctc gtgatctgcc cgcctcagcc tcccaaagtg ctgggattac	180
aggtgtgagc caccgtgccc ggccatattt tgatttaaaa tttagcaata atagataaaa	240
ttttcaatca actaagccct tggggccaggg aatgctattc cttaaaaagt gcttctatca	300
atatagcctc tgactcatta ctttgttaat ttttaaattg tatttcattc ctgattaaca	360
ttcccaccca gattattaat tatacaatct gttaactgta gaacctcaaa catgtttggat	420
tgtactgtat ttgtctggaa gacacatttt taaaacattg taatcgctat aagagaagca	480
ctgggaaaga aaggagcttc tatgcctgca gtgcctgagg agccctttaa cagtgtgccc	540
cgcccctaag ctactcatgc agtcatcccc atcccagtta gtcaacttta ttccaaaaaa	600
cttggtgttc caaatttttc cttctcaaag cccacagatc caaaattcat cagcagttcc	660
cacaaacgtt accctcacia tgaatccagc catttttcac cctctccagt ggtaccatca	720
tagcccaagc cgccaccatt tctcaccccc ggtaaacagg ccaccctcct tctaccctta	780
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ttactttatc tgtatccact ttgcggtgtt gtcagtagga ttaaatacaga tagcctatgt	1260
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accactcaca agctgtgtgg ccatggagaa gttgcctaac ctctccgtgc ttcagtttca	1500

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gaactacgtg gaaatctggg ggaaagggtg tttgggtaaa agaaatagca agtgttgagg	2160
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agaaattggg acttttcatt aaatcagaaa ttttactttt tccccctcct gggagctaaa	2940
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<210> 208

<211> 205

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 208

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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>

<221> source

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

<400> 209

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agtgggtactc tcccagagac tgtctgactc acgccacccc ctccaccttg gacacaggac 120

gctgtggttt ctgagccagg tacaatgact cttttcggtta agtgcagtgg aagctgtaca 180

ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact 240

tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatattca ccagcagcct 300

cccccgttgc ccctctggat ccactgctta aatacggacg aggacagggc cctgtctcct 360

cagcttcagg caccaccact gacctgggac agtgaat 397

<210> 210

<211> 2864

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 210

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tgggtggcca ccgccaggaa gactcccact gtccctggat gccagagtg ggatgtcaac	240
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ctagctgccc tggcatgacc cagacagtgg cttttgtata tgtttttaga ctcaccttga	420
ctcacctctg accatagaaa ctctcatccc agaggtcact gcaatagtta ctccacaaca	480
gaggcttatc tgggtagagg gaggctccct acctatggcc cagcagccct gacagtgcag	540
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cacagtcacc aacacattac ctgctctcca aggttaggcg tggcaggaga agtttgcttg	660
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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 aggcattggg gcgtgtgcct gtgggtcccag ctactcagga ggctgaggtg	1680
ggaggatcac attagcccag gaggttgagg ctgcagttag ccgtgattat gccactgcac	1740
tccagcctgg gagacagagt gagaccctgt ttcaaaaaaa agagagagaa aattttaaaaa	1800
agaaaacaac accaagggtt gtaactttta ggtcattaaa tgaattaatc actgcattca	1860
aaaacgatta ctttctggcc ctaagagaca tgaggccaat accaggaagg gggttgatct	1920
cccaaaccag aggcagacct tagactctaa tacagttaag gaaagaccag caagatgata	1980
gtccccaata caatagaagt tactatattt tatttgttgt ttttcttttg ttttgttttg	2040
ttttgttttg ttttgtttta gagactgggg tcttgctcga ttgccaggc ttagtgtagc	2100
cggtgggaca 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 taattttaaa attagaact taaaacttga atagctagag	2400
caccaagatt tttctttgtc ccaaataag tgcagttgca ggcatagaaa atctgacatc	2460
tttgcaagaa tcatcgtgga ttagactct gtcctgtgtc tctggcctgg tttcggggac	2520
caggagggca gacccttgca ctgccaagaa gcatgcaaaa gttaatcatt ggccctgctg	2580
agtacatggc cgatcaggct gtttttgtgt gcctgttttt ctattttacg taaatcaccc	2640
tgaacatgtt tgcatcaacc tactggtgat gcaccttga tcaatacatt ttagacaaac	2700
gtgggttttt agtccaaaga tcagggtggt gttgacctga atactggata cagggcatat	2760
aaaacagggg caaggcacag actcatagca gagcaatcac caccaagcct ggaataactg	2820
caagggtctt gctgacatct tcctgaggtg ccaaggaaat gagg	2864

<210> 211

<211> 295

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 211

gggccccaga agcctggtgg ttgtttgtcc ttctcagggg aaaagtgagg cggccccttg	60
gaggaagggg ccgggcagaa tgatctaadc ggattccaag cagctcaggg gattgtcttt	120
ttctagcacc ttcttgccac tcctaagcgt cctccgtgac cccggctggg atttagcctg	180
gtgctgtgtc agccccgggc tcccaggggc ttcccagtgg tcccagggga accctcgaca	240
gggccagggc gtctctctcg tccagcaagg gcagggacgg gccacaggca agggc	295

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

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

gaatgactcc tttcggtgaa tgcagtggaa gctgtacact gcccaggcaa agcgtccggg	60
cagcgtaggc gggcgactca gatcccagcc agtggactta gcccctgttt gtcctccga	120
taactggggg gaccttggtt aatattcacc agcagcctcc cccgttgccc ctctggatcc	180
actgcttaaa tacggacgag gacagg	206

<210> 213
 <211> 1179
 <212> DNA
 <213> Artificial Sequence

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

ggctccggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggaggggtcg gcaattgaac cggtgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cttttttccc gaggggtggg gagaaccgta tataagtga	180
gtagtgcggc tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtgggt cccgcgggcc tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttcacact ggctgcagta cgtgattctt gatcccgagc ttcgggttgga aagtgggtgg	360

gagagttcga ggccttgccg ttaaggagcc ccttcgcctc gtgcttgagt tgaggcctgg	420
cctggggcgct gggggccgccg cgtgcgaatc tgggtggcacc ttcgcgcctg tctcgctgct	480
ttcgataagt ctctagccat ttaaaatttt tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggt ttttggggcc	600
gcggggcggcg acggggccccg tgcgtcccag cgcacatgtt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggtctcgcgc cgccgtgtat cgccccgccc tgggcggcaa ggctggcccg gtcggcacca	780
gttgctgag cggaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840
acgcggcgct cgggagagcg ggcgggtgag tcacccacac aaaggaaaag ggcctttccg	900
tcctcagccg tcgcttcag tgactccacg gaggaccggg cgccgtccag gcacctgat	960
tagttctcga gcttttgag tacgtcgtct ttaggttggg gggaggggtt ttatgcgatg	1020
gagtttcccc aactgagtg ggtggagact gaagttaggc cagcttgga cttgatgtaa	1080
ttctccttgg aatttgccct ttttgagttt ggatcttggc tcattctcaa gcctcagaca	1140
gtggttcaaa gtttttttct tccatttcag gtgtcgtga	1179

<210> 214

<211> 292

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 214

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

<210> 215

<211> 1325

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 cttccaggtt ccgaccccat agcaggactt cttggatttc tacagccagt	240
cagttgcaag cagcacccaa attatttcta taagaagtgg caggagctgg atctgaagag	300
tcagcagtct acctttccct gtttcttgctg ctttatgcag tcaggaggaa tgatctggat	360
tccatgtgaa gcctgggacc acggagaccc aagacttcct gcttgattct ccctgcgaac	420
tgaggctgt gggctgagcc ttcaagaagc aggagtcccc tctagccatt aactctcaga	480
gctaacctca tttgaatggg aacactagtc ctgtgatgtc tggaagggtgg gggcctctac	540
actccacacc ctacatggtg gtccagacac atcattccca gcattagaaa gctctagggg	600
gacctgttct gttccctgag gcattaaagg gacatagaaa taaatctcaa gctctgaggc	660
tgatgccagc ctgagactca gcctctgcac tgtatgggcc aattgtagcc ccaaggactt	720
cttcttgctg cacccttat ctgtccacac ctaaacgat gggcttctat tagttacaga	780
actctctggc ctgttttggt ttgctttgct ttgttttggt ttgttttttt gtttttttgt	840
tttttagcta tgaaacagag gtaatatcta atacagataa cttaccagta atgagtgcct	900
cctacttact ggggtactggg aagaagtgtt ttacacatat tttctcattt aatctacaca	960
ataagtaatt aagacatttc cctgaggcca cgggagagac agtggcagaa cagttctcca	1020
aggaggactt gcaagttaat aactggactt tgcaaggctc tggtggaaac tgtcagcttg	1080
taaaggatgg agcacagtgt ctggcatgta gcaggaacta aaataatggc agtgattaat	1140
gttatgatat gcagacacaa cacagcaaga taagatgcaa tgtaccttct ggggtcaaacc	1200
accctggcca ctctccccg ataccagggt ttgatgtgct tgaattagac aggattaaag	1260
gcttactgga gctggaagcc ttgccccaac tcaggagttt agccccagac cttctgtcca	1320
ccagc	1325

<210> 216
<211> 883
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="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 ccagtacat aagggtcaatg 180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt 240
ccaatgggtt ttgccagta cataagggtca ataggggtga atcaacagga aagtcccatt 300
ggagccaagt aactgagtc aatagggtact ttccattggg ttttgcccag taaaaaggt 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
ggggccttggg taaactggga aagtgatgtg gtgtactggc tccacctttt tccccagggt 840
gggggagaac catatataag tgcagtagtc tctgtgaaca ttc 883

<210> 217
<211> 639
<212> DNA
<213> Artificial Sequence

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

<400> 217

gggcctgaaa taacctctga aagaggaact tggttaggta ctttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttaggggtgt ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240
gtggagaaga gcatgcttga gggctgagtg cccctcagtg ggagagagc 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
ctctttcctc tcctgacagg ttggtgtaca gtagcttcc	639

<210> 218

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 218

aggctcagag gcacacagga gtttctgggc tcaccctgcc ccctccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc aactgaaca aacttcagcc	120
tactcatgtc cctaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttgag 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 tgataggggtt tttgtggcaa ataaacattt gggttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatttcacc acaaccttc cctgcctcag cctccaagt agctgggatt acaagcatgt	600

gccaccacac ctggctaatt ttctatTTTT agtagagacg ggTTTTctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc aacacaccgg ctaatTTTT	720
ctatTTTTga cagggacggg gtttcacat gttggtcagg ctggtctaga ggtactggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagagg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccaccccctc caccttgga acaggacgct	900
gtggTTTTctg agccaggtag aatgactcct ttcggtaagt gcagtggag ctgtactctg	960
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactggggtg accttggtta atattacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaa atacggacagg 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>

<221> source

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

<400> 219

ccctaaaatg ggcaaacatt gcaagcagca aacagcaa acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcgggtggag aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcttttcgg taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga ctcagatccc agccagtgga cttagcccct	300
gtttgctcct ccgataactg ggggtgacct gggttaatt caccagcagc ctccccggtt	360
gcccctctgg atccactgct taaatacggg cgaggacagg gccctgtctc ctgagcttca	420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaatata aaatTTTTaa	480
gtgtataatg tggtaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg	540

gaactga

547

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

<220>
<221> source
<223> /note="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 gggctctggc gccaaagcaa tcaactaaag ttcaaacctt atcatttttt 480
gctttgttcc tcttggcctt ggttttgtac atcagctttg aaaataccat cccagggtta 540
atgctggggg taatttataa ctaagagtgc tctagttttg caatacagga catgctataa 600
aaatggaaaag atctcctgaa gaggtaaggg tttaagggat ggttggttgg tggggtatta 660
atgtttaatt acctggagca cctgcctgaa atcacttttt ttcaggttg 709

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

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

<400> 221
gggctggaag ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa 60
cctattagaa aggatcacc agcctctgct tttgtacaac tttcccttaa aaaactgcc 120

attccactgc tgtttgcccc aatagtgaga actttttcct gctgcctctt ggtgcttttg	180
cctatggccc ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc	240
agctctgaca atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc	300
actcaaagtt caaaccttat cttttttgac tttgttcctc ttggccttgg ttttgtacat	360
cagctttgaa aataccatcc cagggttaat gctgggggta atttataact aagagtgctc	420
tagttttgca atacaggaca tgctataaaa atggaaagat	460

<210> 222
 <211> 699
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> source
 <223> /note="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 gctgacctg gagctggggc agaggtcaga	240
gacctctctg ggcccatgcc acctccaaca tccactcgac cccttggaat ttttcggtgg	300
agaggagcag aggttgtcct ggcgtggttt aggtagtgtg agagggaat 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 ggacagtgaa	600
tccggactct aaggtaaata taaaattttt aagtgtataa tgtgttaaac tactgattct	660
aattgtttct ctcttttaga ttccaacctt tggaactga	699

<210> 223
 <211> 681
 <212> DNA
 <213> Artificial Sequence

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

<400> 223
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60
tgtttgctct ggtaataat ctcaggagca caaacattcc agatccaggt taatTTTTaa 120
aaagcagtca aaagtccaag tggcccttgg cagcatttac tctctctgtt tgctctgggt 180
aataatctca ggagcacaaa cattccagat cctgctctcc agggctggaa gctacctttg 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 224
gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgcccaatg 60
atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat 120
gggtggagta tttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag 180
tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg cccagtacat 240
gaccttatgg gactttccta cttggcagta catctatgta ttagtcattg ctattaccat 300
gggaattcac tagtggagaa gagcatgctt gagggctgag tgcccctcag tgggcagaga 360

gcacatggcc cacagtcctt gagaagttgg ggggaggggt gggcaattga actggtgcct	420
agagaaggtg gggcttgggt aaactgggaa agtgatgtgg tgtactggct ccaccttttt	480
ccccaggggtg ggggagaacc atatataagt gcagtagtct ctgtgaacat tc	532

<210> 225
 <211> 955
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> source
 <223> /note="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 ccagttacat aaggtcaatg	180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcatt tagggacttt	240
ccaatgggtt ttgcccagta cataagggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggtact ttccattggg ttttgcccag taaaaaggt	360
caataggggg tgagtcaatg ggttttttccc attattggca catacataag gtcaataggg	420
gtggttacat aacttatggt aaatggcctg cctggctgac tgcccaatga cccctgccc	480
atgatgtcaa taatgatgta tgttcccatg taatgccaat agggactttc cattgatgtc	540
aatgggtgga gtatttatgg taactgccc cttggcagta catcaagtgt atcatatgcc	600
aagtatgccc cctattgatg tcaatgatgg taaatggcct gcctggcatt atgcccagta	660
catgacctta tgggactttc ctacttggca gtacatctat gtattagtca ttgctattac	720
catgggaatt cactagtgga gaagagcatg cttgagggtc gagggtcccct cagtgggcag	780
agagcacatg gcccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactggtg	840
cctagagaag gtggggcctg ggtaaaactgg gaaagtgatg tgggtgtactg gctccacctt	900
tttccccagg gtggggggaga accatatata agtgcagtag tctctgtgaa cattc	955

<210> 226
 <211> 955
 <212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 226

gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgccc	60
aatg 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 ataaggtcaa	480
tgggaggtaa gccaatgggt ttttccatt actgacatgt atactgagtc attagggact	540
ttccaatggg ttttgcccag tacataaggt caataggggt gaatcaacag gaaagtccca	600
ttggagccaa gtacactgag tcaatagga ctttccattg ggttttgccc agtacaaaag	660
gtcaataggg ggtgagtcaa tgggtttttc ccattattgg cacatacata aggtcaatag	720
gggtggaatt cactagtgga gaagagcatg cttgagggtc gagtgcccct cagtgggcag	780
agagcacatg gccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactgggtg	840
cctagagaag gtggggcttg ggtaactgg gaaagtgatg tgggtgtactg gctccacctt	900
tttccccagg gtgggggaga accatatata agtgcagtag tctctgtgaa cattc	955

<210> 227

<211> 1923

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 227

tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
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ttggccattg catacgttgt atctatatca taatatgtac atttatatattg 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 gccaaagtccg ccccctattg acgtcaatga	420
cggtaaattg cccgcctggc attatgccca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatggtc gaggtgagcc ccacgttctg	540
cttcactctc cccatctccc ccccctcccc acccccaatt ttgtatttat ttatTTTTTA	600
attatTTTTgt gcagcgatgg gggcgggggg gggggggggg cgcgcgccag gcggggcggg	660
gcggggcgag gggcggggcg gggcgaggcg gagaggtgcg gcggcagcca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcggcgg cggcggccct ataaaaagcg	780
aagcgcgcg gcggcgggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccg	840
ccgcctcgcg ccgcccggc cggctctgac tgaccgcgtt actcccacag gtgagcgggc	900
gggacggccc ttctcctccg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
ggctcggggg gtgcgtgcgt gtgtgtgtgc gtggggagcg ccgcgtgcgg cccgcgtgc	1080
ccggcggctg tgagcgctgc gggcgcggcg 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
gggctccgta cggggcgtgg cgcggggctc gccgtgccgg gcgggggggt gcggcaggtg	1380
ggggtgccgg gcggggcggg gccgcctcgg gccggggagg gctcggggga ggggcgcggc	1440
ggcccccgga gcgccggcgg ctgtcgaggc gcggcgagcc gcagccattg ctttttatgg	1500
taatcgtgcg agagggcgca gggacttcct ttgtcccaaa tctgtgcgga gccgaaatct	1560
gggaggcgcc gccgcacccc ctctagcggg cgcggggcga agcgggtgcg gcgccgcagg	1620
aaggaaatgg gcggggaggg ctttcgtgcg 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic
 polynucleotide"

<400> 228	
aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccac tcataggggt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttg tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggTTTTtcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaattTTTT	720
ctatTTTTga caggacggg gtttcacat gttggtcagg ctggtctaga ggtaccggat	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 aactgggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaa at 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>

<221> source

<223> /note="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 ccagtacat aaggtcaatg	180
ggaggtaaag caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgccagta cataaggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggact ttccattggg ttttgcccag taaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtgactagtg gagaagagca tgcttgaggg ctgagtggcc ctgagtgggc agagagcaca	480
tggcccacag tccctgagaa gttgggggga ggggtgggca attgaactgg tgcctagaga	540
aggtggggct 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

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

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

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

<400> 231
gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc 60
catatatgga gttccgcgtt acataactta cggtaaatgg cccgcctggc tgaccgcca 120
acgacccccg cccattgacg 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 gtgatgcggg tttggcagta catcaatggg cgtggatagc 420
ggtttgactc acggggattt ccaagtctcc accccattga cgtcaatggg agtttgtttt 480
ggcaccaaaa tcaacgggac tttccaaaat gtcgtaacaa ctccgcccc ttgacgcaaa 540

tgggcggtag gcgtgtacgg tgggaggtct atataagcag agctctctgg ctaactagag	600
aaccctactgc ttactggctt atcgaaatta atacgactca ctatagggag accc	654

<210> 232
 <211> 500
 <212> DNA
 <213> Artificial Sequence

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

<400> 232	
gggtagggga ggcgcttttc ccaaggcagt ctggagcatg cgcttttagca gccccgctgg	60
gcacttggcg ctacacaagt ggcctctggc ctcgcacaca ttccacatcc accggtaggc	120
gccaaccggc tccgttcttt ggtggcccct tcgcgccacc ttctactcct cccctagtca	180
ggaagtcccc 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 233	
gggcctgaaa taacctctga aagaggaact tggttaggta ctttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttaggggtg ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240

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

<400> 234	
gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc	60
catatatgga gttccgcgtt acataactta cggtaaatgg cccgcctggc tgaccgcca	120
acgacccccg cccattgacg 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 acgccttttg cacc	594

<210> 235
 <211> 1210
 <212> DNA
 <213> Artificial Sequence

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

<400> 235	
ggcctccgcg ccgggttttg ggcctcccg cgggcgcccc cctcctcac gcgagcgctg	60

ccacgtcaga cgaagggcgc aggagcgtcc tgatccttcc gcccggacgc tcaggacagc	120
ggccccgctgc tcataagact cggccttaga accccagtat cagcagaagg acatttttagg	180
acgggacttg ggtgactcta gggcactggg tttctttcca gagagcgga caggcgagga	240
aaagtagtcc cttctcggcg attctgcgga gggatctccg tggggcggtg aacgccgatg	300
attatataag gacgcgccgg gtgtggcaca gctagttccg tcgcagccgg gatttggttc	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
gtcgttga aa caaggtgggg ggcatgggtg gcggcaagaa cccaaggtct tgaggccttc	660
gctaatacgg gaaagctctt attcgggtga gatgggctgg ggcaccatct ggggaccctg	720
acgtgaagtt tgtcactgac tggagaactc ggtttgtcgt ctgttgccgg ggcggcagtt	780
atgcggtgcc gttgggcagt gcacccgtac ctttgggagc gcgcgccctc gtcgtgtcgt	840
gacgtcacc gttctgttgg cttataatgc aggggtggggc cacctgccgg taggtgtgcg	900
gtaggctttt ctccgtcgca ggacgcaggg ttcgggccta gggtaggctc tcctgaatcg	960
acaggcgccg gacctctggt gaggggaggg ataagtagg cgtcagtttc tttggtcgtt	1020
tttatgtacc tatcttctta agtagctgaa gctccggttt tgaactatgc gctcgggggtt	1080
ggcgagtgtg ttttgtgaag ttttttaggc accttttgaa atgtaatcat ttgggtcaat	1140
atgtaatttt cagtgttaga ctagtaaatt gtccgctaaa ttctggccgt ttttggcttt	1200
tttgttagac	1210

<210> 236

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 236

ttaagggttg agtgtgagga aaggtctgag gggtgagaag gggtggagga tgcacctggg	60
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cctatgacag ggggtccacgg aggtggctga tggcaaaagc tgggggactc caactgctga	120
tgctgaaaca agcttgtgtc tcacatacac agggacagtt cactgagctt caatgacagg	180
cacctcctgc tcatcacatc ttttctctct aggacagctt tgcccttatt ttaactagac	240
ttcccttgaa ccaaaaggga aggctacatg ctgtgacttg ctgggcagcc tggaaaggcg	300
ggccactcct agccacagag atgagacaga gttcagacaa gagcttatcc ccagtcttcc	360
ttttctattht tgthttatthtt atthttatthtt thttatthtt gagacagagt ctctgtcacc	420
caggctgggg tgtagtgatg cgacattggc ttactgcagt ctccacctcc tgggctcagg	480
tgatcctccc acctcagcct cccgaatagc tgggatcaca gtagtgcacc accatacctg	540
gctaaththtt ttgtaththtt tgtacagaca aaaththcacc acattgcccga ggctgggtctc	600
gaactcctgg actcaagcga tccgcccacc tcagcctccc aaagtgctcg gattacaggc	660
atgagccact atgcccagcc ttgctcttcc tttaaagcct cctgtccttc cccaggctccc	720
cagttcatag caggatcaaa ggtcactggg cgctcacccc gtcttcaaga tgctctttcc	780
tatgtcactg cttacgcccga ggtcagatgt gactagagcc taaggagctc ccacctcct	840
ctctgtgctg ggactcacag agggagacct caggaggcag tctgtccatc acatgtccaa	900
atgcagagca taccctgggc tgggcgcagt ggcgcacaae tgtaattcca gcactttggg	960
aggctgatgt ggaaggatca cttgagcccga gaagttctag accagcctgg gcaacatggc	1020
aagaccctat ctctacaaaa aaagttaaaa aatcagccac gtgtgggtgac acacacctgt	1080
agtcccagct attcaggagg ctgagggtgag gggatcactt aaggctggga ggttgaggct	1140
gcagtgagtc gtggttgctg cactgcactc cagcctgggc aacagtgaga ccctgtctca	1200
aaagacaaaa aaaaaaaaaa aaaaaaaaaag aacatatcct ggtgtggagt aggggacgct	1260
gctctgacag aggctcgggg gcctgagctg gctctgtgag ctggggagga ggcagacagc	1320
caggccttgt ctgcaagcag acctggcagc attgggctgg ccgccccca ggcctcctc	1380
ttcatgcccga gtgaatgact caccttggca cagacacaat gttcggggtg ggcacagtgc	1440
ctgcttcccgc ccgcaccccga gccccctca aatgccttcc gagaagcccga ttgagcaggg	1500
ggcttgcatth gcaccccagc ctgacagcct ggcactcttg gataaaaagca gcacagcccc	1560
ctaggggctg cccttgctgt gtggcgccac cggcggtgga gaacaaggct ctattcagcc	1620
tgtgcccagg aaaggggatc aggggatgcc caggcatgga cagtgggtgg caggggggga	1680

gaggagggct gtctgcttcc cagaagtcca aggacacaaa tgggtgaggg gactgggcag	1740
ggttctgacc ctgtgggacc agagtggagg gcgtagatgg acctgaagtc tccagggaca	1800
acagggccca ggtctcaggc tcctagttgg gcccagtggc tccagcgttt ccaaaccat	1860
ccatccccag aggttcttcc catctctcca ggctgatgtg tgggaactcg aggaaataaa	1920
tctccagtgg gagacggagg ggtggccagg gaaacggggc gctgcaggaa taaagacgag	1980
ccagcacagc cagctcatgt gtaacggctt tgtggagctg tcaaggcctg gtctctggga	2040
gagaggcaca gggaggccag acaaggaagg ggtgacctgg agggacagat ccaggggcta	2100
aagtcctgat aaggcaagag agtgccggcc ccctcttgcc ctatcaggac ctccactgcc	2160
acatagaggc catgattgac ccttagacaa agggctgggtg tccaatcca gccccagcc	2220
ccagaactcc agggaatgaa tgggcagaga gcaggaatgt gggacatctg tgttcaaggg	2280
aaggactcca ggagtctgct gggaatgagg cctagtagga aatgaggtgg cccttgaggg	2340
tacagaacag gttcattctt cgccaaattc ccagcacctt gcaggcactt acagctgagt	2400
gagataatgc ctgggttatg aaatcaaaaa gttggaaagc aggtcagagg tcatctggta	2460
cagcccttcc ttcccttttt tttttttttt tttgtgagac aaggtctctc tctgttgccc	2520
aggctggagt ggcgcaaaca cagctcactg cagcctcaac ctactgggct caagcaatcc	2580
tccagcctca gcctcccaaa gtgctgggat tacaagcatg agccaccca ctacgccctt	2640
tccttccttt ttaattgatg cataataatt gtaagtattc atcatgggtc aaccaaccct	2700
ttcttgaccc accttcctag agagagggtc ctcttgcttc agcggtcagg gcccagacc	2760
catggtctgg ctccaggtag cacctgcctc atgcaggagt tggcgtgccc aggaagctct	2820
gcctctgggc acagtgacct cagtggggtg aggggagctc tccccatagc tgggctgcgg	2880
cccaacccca cccctcagg ctatgccagg ggggtgttgcc aggggcaccc gggcatcgcc	2940
agtctagccc actccttcat aaagccctcg catcccagga gcgagcagag ccagagcagg	3000

<210> 237

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 237

acgatttccc ttcacctctt attaccctgg tgggtggtggt gggggggggg ggggtgctctc	60
tcagcaaccc caccgccgga tcttgaggag aaagagggca gagaaaagag ggaatgggac	120
tggcccagat cccagcccca cagccgggct tccacatggc cgagcaggaa ctccagagca	180
ggagcacaca aaggagggct ttgatgcgcc tccagccagg cccaggcctc tcccctctcc	240
cctttctctc tgggtcttcc tttgccccac tgagggcctc ctgtgagccc gatttaacgg	300
aaactgtggg cggtgagaag ttccttatga cacactaatc ccaacctgct gaccggacca	360
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aggactgggg tgaggactca ggggagcagg gagaccacgt cccaagatgc ctgtaaaact	540
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gagctatttg tgtctgtgcc ctttgtccaa gcagtgtttc ccaaagtgtg gcccaagaac	2700
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
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<210> 238

<211> 718

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 238

gaacaaaagc aatggtgaag acagtgatgg acaacaggca agcagtgggtg ataagcaaaa	60
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cctggatact gaactgtgcc gaagaaggat agcaggggta aaacatgcaa agacagcacc	180
tcatatacct ctaatgttgt taacaatagc taacttttat caaacagtgt cctgtcacca	240
tgacagttac aacataatga taatgactgt acttttctcta accaggtcta gatcacttat	300
aataaatata tcttttagta attgagtaaa tgaattacag tgaggataac agcaaagaaa	360
tggtggacag atgtttacac caagaaagta tgatgactga ggtcagctca ggactgcatg	420
gcaggcccac atggctcttt tttatccaac tcactactcc ctctcccttg aaaggatcca	480
agtctggaag 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>

<221> source

<223> /note="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 cccggcggtg	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 agcgggccgg gctgatatgc	420
gagtgtcgtc cgcagggttt agctgtgagc attcccactt cgagtggcgg gcggtgcggg	480
ggtgagagtg cgaggcctag cggcaacccc gtagcctcgc ctctgttccg gcttgaggcc	540
tagcgtggtg tccgccgccg cgtgccactc cggccgcact atgcgttttt tgtccttgct	600
gccctcgatt gccttcagc agcatgggct aacaaaggga ggggtgtggg ctcactctta	660
aggagcccat gaagcttacg ttggatagga atggaagggc aggaggggcg actggggccc	720
gcccccttc ggagcacatg tccgaccca cctggatggg gcgaggcctg tggctttccg	780
aagcaatcgg gcgtgagttt agcctacctg ggccatgtgg ccctagcact gggcacggtc	840
tggcctggcg gtgccggtt cccttgctc ccaacaaggg tgaggccgtc ccgcccggca	900
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tgttcacatt tgggtgggtgg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttgagtttg gagcgaggct aattctcaag cctcttagcg gttcaaaggt	1260
attttctaaa cccgtttcca ggtgttgtga aagccaccgc taattcaaag caa	1313

<210> 240

<211> 1420

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 gagaaggtgg 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 tgatcccagag cttcgggttg gaagtgggtg	600
ggagagttcg aggcccttgcg ctttaaggagc cccttcgcct cgtgcttgag ttgaggcctg	660
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gcaagatagt cttgtaaagt cgggccaaaga tctgcacact ggtatttcgg tttttggggc	840
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tggctctcg cccgctgta tcgccccgcc ctgggcggca aggctggccc ggtcggcacc	1020
agttgcgtga gcggaaagat ggccgcttcc cggccctgct gcaggagct caaaatggag	1080
gacgcggcgc tcgggagagc gggcgggtga gtcaccaca caaaggaaaa gggcctttcc	1140
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ttagttctcg agcttttgga gtacgtcgtc tttaggttg ggggaggggt tttatgcgat	1260
ggagtttccc cacttgagt ggggtggagac tgaagttagg ccagcttggc acttgatgta	1320
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<210> 241

<211> 1831

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 241

tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
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ttggccattg catacgttgt atctatatca taatatgtac atttatattg gctcatgtcc	120
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aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgccc attgacgtca ataatgacgt atgttcccat	300
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ccacttggca gtacatcaag tgtatcatat gccaaagtccg cccctattg acgtcaatga	420
cggtaaattgg cccgcctggc attatgcccga gtacatgacc ttacgggact ttcctacttg	480
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gtcgcggcgg ggggagggga tctaattggc ttggagtttg ttcacatttg gtgggtggag	1680
actagtcagg ccagcctggc gctggaagtc attcttgga tttgcccctt tgagtttgga	1740

gcgaggctaa ttctcaagcc tcttagcggg tcaaaggtat tttctaaacc cgtttccagg	1800
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<210> 242
 <211> 3000
 <212> DNA
 <213> Artificial Sequence

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

<400> 242	
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aaattcaata aactgacctg tcttttttta aaaaacagcc ttttgagggt ataatttaca	240
tatcacagag ttcacctatg taaagtattc aatggttttc aatatattaa cagagttgtg	300
cgaccatcac cataatctaa ctttagaaca ttttcttcat ccccaaaaga aaccttatat	360
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tgactcaaga atatcaccag ttggtttgcc tttctcatgg ttttaatgtt ttctcattaa	2640
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taacaactag agaaaacctt tatcaatgac tgtggcttat ctttcctgat aattaggctc	2820
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>

<221> source

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

<400> 243

tatggcaca gcaatctctt atttttatct tagtgcataa ataaatTTTT ctttttggc	60
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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 atggggtttta aaaaaatgtg gtactttaat acacaatgga	420
gtactattca gcaataaaaa agaatgagat cctgttattt gcaataacat ggacagaact	480
ggaggtcatt atgtcaaatg aaataagcca ggcacagaaa gccaaacatc acatattctc	540
actcatatgt ggggtctaaa aatcaaaaca atctgattca tggagctaga gagtagagag	600
ctaattacca gaggtgggga agggtagtag gggcctggag gggaggtgga gatggttaat	660
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agaagaaaga aaagctatca ttttgtgtgc ctaaaaatta tgttgcctc atttcaaaca	1020

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aatttggggc atttgtttta acttcctagg cctcagtttc ttgcctatta aaaggaggatg	1140
catagtcat gggattgtta agaggaagaa gtgaaacat gcacgtggag agcgtggcac	1200
agtgtctaag acagagtgtg catgcaaata agtagataat attctttgct tttctttatt	1260
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gaaattatgt ttgtaagaaa atcctgaggc tgaggaatac aacatgtttt atgtctacta	1380
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gaccaaata gtggtagaac caagagttaa accacttggt ttgaatccta aacctgagtt	1740
ttattttact tatttattta tttatttggt tatttatttt cagatgcttg gtcaaagaac	1800
agtgggagga gagggatggg cttccagcaa cttttattat tggcttattt tcttacagcc	1860
cattactttc tcttgggaaa atattaagca ggcactcaag gcttgaggcc cctgagtttt	1920
cacatccttt ctgaacctct gaacctgctt tccagcattc ttttatactt tgttttacct	1980
cctggtcagt aatgcctcac cctcagtctt ctctaaaagt gtggttaatg gcatcttcct	2040
gactatttga agaccactgg ccaaatccca ccagctcact catagaccat cccctactt	2100
tactttcttc aaaagactta gccctaccta aacttattta tatgtttatt ttctgccac	2160
cagaatggca gcatagctgg ggaggcagag tctgttttgt tcattgctgt attcccaaag	2220
actagaacac caccaagcac acggtacagg tctcagtaat tattgtcaaa tttatgtgga	2280
tttgctttta aacaatatct tccatttact gagtgtttat gtggaagaac tgtactaaat	2340
tttaatgcat ttctttattc ctattcttaa aaccttcag caaggtggct ctaccacct	2400
cttttccgag cttcaggagc agttgtgcga atagctggag aacaccaggc tggatttaaa	2460
cccagatcgc tcttacattt gctctttacc tgctgtgctc agcgttcacg tgccctctag	2520
ctgtagtttt ctgaagtcag cgcacagcaa ggcagtgtgc ttagaggtta acagaaggga	2580
aaacaacaac aacaaaaatc taaatgagaa tcctgactgt ttcagctggg ggtaaggggg	2640

gcggattatt catataattg ttataaccaga cggtcgcagg cttagtccaa ttgcagagaa	2700
ctcgcttccc aggcttctga ggtcccgga agtgcctaaa cctgtctaata cgacggggct	2760
tgggtggccc gtcgctccct ggcttcttcc ctttaccag ggcgggcagc gaagtgggtgc	2820
ctcctgcgtc cccacacccc tccctcagcc cctcccctcc ggcccgtcct gggcaggtga	2880
cctggagcat ccggcaggct gccctggcct cctgcgtcag gacaacgccc acgaggggag	2940
ttactgtgcg gagatgcacc acgcaagaga caccctttgt aactctcttc tcctccctag	3000
tgcgagggtta aaaccttcag cccacgtgc tgtttgcaaa cctgcctgta cctgaggccc	3060
taaaaagcca gagacctcac tcccggggag ccagc	3095

<210> 244

<211> 1807

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 244

agctttaga tactcggaac aaatgcaatt cttacgaata cttttagtct atacacagaa	60
aaagctggct gaaaaataaa atgattatct ttaatatctt aacagttatt aattgtgtgt	120
atgtggcagg cctgtgacag gtagaggaca acttgcctaa ggccaccatgt gggttccgaa	180
ggatctaact tgtcccatgc ttggcagcaa gcacttatca ctggccatct tcccagtcct	240
agctgtagtt tgcagtatat ttatatactgc agcagccact ggcttgtgtg ggagctagtg	300
cctagaccaa accaggattg cttctcttga aaccctctgg cactcattac gtgcttgatg	360
aataaatgga tggacagggtg gctgtgtaca tttctctcac ttctcagttt ctttcagtaa	420
atcccaaaat atcattttcc ttcagaaatt ctggcatgat tcattccggg tcctgccctg	480
gcatgcctt ctgtgtttct cattcagtaa gaagtcact cagatttagt tcacattaaa	540
aaataaacag agctttgata tccaaatgtc aacttgcagg gtattagaga agatagggaa	600
ttgcaatttt acatacgatt ttccccgatt ttcagccttg agatttcgtc cttgaaagca	660
tatggcaaat gtgcatccct ctttgaaatg tactaagatg taaaggggaa tttgaatgta	720
ttaaagtgtg cagcaaagag aatataaatg taaacaagaa agaacagtta aatgtgtgag	780

tggatatggg gatgggtaga atgagagacg ggaaccatgt atgtgcgtcg ggatggatag	840
gaaatatgat gaacagatat agctgaggag ggggtgtgaaa aggattgaaa agttgtgcag	900
gtgggcgaat acaagaattg gtgggcagggt gtagtatggc tagattagtg catttgcaga	960
aggaagatgg gtggacagag gaatggatgg gtggattgtg agtcgagaag gatttaagaa	1020
attggtagat attttgagag catgaatgaa atgtgttgag cacccttggg ttttccccgg	1080
atcaaagatc agatgagcgg tttggacttc tctcagaggg aaagaggaaa gaacactccc	1140
acaagttccc cacttttcag tccccaccct ggccaggaaa gcactctcca ctaggatgga	1200
tctctctagt ctctctctct cccttcagcc tctttctttc ttcagttcct ccctaagata	1260
agtccagctt cctcagcttc ctgggaaaac cagtctttcc ctagccagggt tcccaagttt	1320
agtgggaaag gagaaactgg aagatttaac tgagaggggc gaggtcttag aactcagtca	1380
ttctccttgt cccaggcagc gcttctcata ggctggtagg ctgggccagg gtaggaagcc	1440
tgtggagtgg ccctggagaa cgtggggcgg cacgggggct ggggggggag gggggcggcc	1500
attctcttct gtccaagaga gcagggcagg agtgcagggg cagtagcgaa agcaggctgg	1560
tgtgtcttta aacttccgtt ggctgcttag tcacagcccc ctcgctttgg gtgtgtcctt	1620
cgcgcgctcc ctccctctta ggtcactcac tctttcaaag cctggaataa aaaccacagc	1680
caacttccga agcgggtctca ttgcccagca gccccagcc agtgacagggt tccattcacc	1740
ctcgttgccc ttctccccac gacccttttc cagaggcgac tagatccctc cgtttcatcc	1800
agcacgc	1807

<210> 245

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 245

gaaaatttgt caciaactaa 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
aaatagaaaa 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 gttaaacacag ccatataggc atggcttctt gcagggacaa	780
ctttgtgaat cggctcagac agacagacag gcaaatacac ctcatcgcct catacatggt	840
atttgcttta gtttttgttc tgaaccttcc tactccttca agtatctgca ttactttat	900
caaattctct tttattagag actgaagaaa ctgtcatctc cttatgtgct aatgagttta	960
ataatgtcct ccagtcacca caagccttct ttcaaactac acaattccaa ctgcttccgt	1020
ctcagagtat cttgaaataa tgatctgacc gcctgttaga ccagtgaagg gaaggaattt	1080
gggttgattt aagaagagaa tcctcatggg catggtagac tgatatggag agaaaacatt	1140
ttgaggaaaa atactcaact aaattcattt ctactccagc atgcagtttc aagtcaagtt	1200
ccaccttagc tccagggtggc aggacagagca ggatgcagag gcacagcaca agtaaggggt	1260
gagtgccgaa gctgctggct cctgttccag tctttcttcc ttggcctcgc ctgaactttt	1320
actataataa tagtcacat ttattaggtg tctcctacgt gcaggacact ttacacacag	1380
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 actggtcatc ctgctacctg	1620
atcagaagga aggaaagttg tatttgttgc tcacctacta tgttttaggc atagtactag	1680
gtgcttttac ctagtactta attcccttat cctcaactca tttattcctc 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
ccccaaggag cataatgtga tggttcctgc cggccctggc tgactctcgc cgtccttgga	2280
gataattggg ttcagtgcc a cctggaccag aactggggat gcggaagcaa gaggcgagtc	2340
tattgctctc tctcggtcct gggccgccct gtgattgttg ggcgtccgga aactgtctcc	2400
cctatgggtt taaaaacaaa actgagcgcc catgggggtgt gacagtcatc tgcaggggct	2460
tgggtggccc atcaggcgag gctttctcgg caccgaggc tccagcctga tctcggtctt	2520
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gggcgggcgg cgggagctgc tctcgcgggc cgcggccctc gccctggctg caacggtagg	2700
cgtttcccgg gccggacgcg cgtggggggc gggggcgggg gcgggggcga ggccgcggcg	2760
agcaaagtcc aggcccctct gctgcagcgc ccgcgcgtcc agaggccctg ccagacacgc	2820
gcgaggttcg aggtgagaga ggtccgggcg cgtctggcct cgaagggaga cccgggacgt	2880
ggggcgcggg gcgggagtg ccggacctcc acccagtgcc cccgggcccc gcgactcgtg	2940
cgccgggccc ccggagaggg tgtacttggg tctgaggctg tggtttctcc tcaggctgag	3000

<210> 246

<211> 757

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 246

tgaattgatg ctgtatactc tcagagtgcc aaacatatac caatggacaa gaaggtgagg	60
---	----

cagagagcag acaggcatta gtgacaagca aagatatgca gaatttcatt ctcagcaa	120
caaaagtcct caacctgggt ggaagaatat tggcactgaa tggatatcaat aaggttgcta	180
gagaggggta gaggtgcaca atgtgcttcc ataacatttt atacttctcc aatcttagca	240
ctaatcaaac atggttgaat actttgttta ctataactct tacagagtta taagatctgt	300
gaagacaggg acagggacaa taccatctc tgtctgggtc ataggtggta tgtaatagat	360
atttttaaaa ataagtgagt taatgaatga gggtgagaat gaaggcacag aggtattagg	420
gggaggtggg cccagagaa tggtgccaag gtccagtggg gtgactggga tcagctcagg	480
cctgacgctg gccactccca cctagctcct ttctttctaa tctgttctca ttctccttg	540
gaaggattga ggtctctgga aaacagccaa acaactgtta tgggaacagc aagcccaat	600
aaagccaagc atcaggggga tctgagagct gaaagcaact tctgttcccc ctccctcagc	660
tgaaggggtg gggaagggtc ccaaagcca taactccttt taagggattt agaaggcata	720
aaaaggcccc tggctgagaa cttccttctt cattctg	757

<210> 247

<211> 720

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 247

ccactacggg tctaggctgc ccatgtaagg aggcaaggcc tggggacacc cgagatgcct	60
ggttataatt aacccaaca cctgctgccc ccccccccc aacacctgct gcctgagcct	120
gagcggttac cccacccgg tgcctgggtc ttaggctctg tacaccatgg aggagaagct	180
cgctctaaaa ataaccctgt ccctgggtggg ccactacgg gtctaggctg ccatgtaag	240
gaggcaaggc ctggggacac ccgagatgcc tggttataat taacccaac acctgctgcc	300
cccccccccc caacacctgc tgcctgagcc tgagcgggta cccaccccg gtgcctgggt	360
cttaggctct gtacaccatg gaggagaagc tcgctctaaa aataaccctg tccctggtgg	420
gccactacgg gtctaggctg ccatgtaag gaggcaaggc ctggggacac ccgagatgcc	480
tggttataat taacccaac acctgctgcc ccccccccc caacacctgc tgcctgagcc	540

tgagcggtta cccacccccg gtgcctgggt cttaggctct gtacaccatg gaggagaagc	600
tcgctctaaa aataaccctg tccctgggtg gccctccct ggggacagcc ctcctggct	660
agtcacaccc tgtaggctcc tctatataac ccaggggcac aggggctgcc cccgggtcac	720

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

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

<400> 248	
acccttcaga ttaaaaataa ctgaggtaag ggcctgggta ggggaggtgg tgtgagacgc	60
tcctgtctct cctctatctg cccatcggcc ctttggggag gaggaatgtg cccaaggact	120
aaaaaaaggc catggagcca gaggggag gaggaacagac ctttcatggg caaaccttgg	180
ggccctgctg tctagcatgc ccactacgg gtctaggctg cccatgtaag gaggcaaggc	240
ctggggacac ccgagatgcc tggttataat taaccagac atgtggctgc ccccccccc	300
ccaacacctg ctgcctctaa aaataaccct gtccctgggt 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 gtcacaccct gtaggctcct ctatataacc caggggcaca ggggctgccc	720
tcattctacc accacctcca cagcacagac agacactcag gagccagcca gc	772

<210> 249
 <211> 558
 <212> DNA
 <213> Artificial Sequence

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

<400> 249
cagccactat gggcttaggc tgcccatgta aggaggcaag gcctggggac acccgagatg 60
cctgggttata attaaccag acatgtggct gtccccccc cccaacacc tgctgcctga 120
gcctcacccc caccggtg cctgggtctt aggctctgta cccatggag gagaagctcg 180
ctctaaaaat aaccctgtcc ctgggtgggct 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
tccgggggtg gcacggtgcc cgggcaacga gctgaaagct catctgctct caggggcccc 480
tccctgggga cagcccctcc tggctagtca caccctgtag gctcctctat ataaccagg 540
ggcacagggg ctgcccc 558

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

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

<400> 250
cagccactat gggcttaggc tgcccatgta aggaggcaag gcctggggac acccgagatg 60
cctgggttata attaaccag acatgtggct gtccccccc cccaacacc tgctgcctga 120
gcctcacccc caccggtg cctgggtctt aggctctgta cccatggag gagaagctcg 180
ctctaaaaat aaccctgtcc ctgggtgggct 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
tccgggggtg gcacggtgcc cgggcaacga gctgaaagct catctgctct caggggcccc 480
tccctgggga cagcccctcc tggctagtca caccctgtag gctcctctat ataaccagg 540
ggcacagggg ctgccccgg gtcaccacca cctccacagc acagacagac actcaggagc 600

cagccagcca ggtaagttaa gtctttttgt cttttatttc aggtcccgga tccggtggtg	660
gtgcaaataa aagaactgct cctcagtggg tggtgccttt acttctaggc ctgtacggaa	720
gtgttacttc tgctctaaaa gctgcggaat tgtacccgcg gccgcg	766

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

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

<400> 251	
gtttaaaca gcttgcatgt ctaagctaga cccttcagat taaaaataac tgaggtaagg	60
gcctgggtag gggagggtgt gtgagacgct cctgtctctc ctctatctgc ccatcggccc	120
tttggggagg aggaatgtgc ccaaggacta aaaaaaggcc atggagccag aggggagagg	180
gcaacagacc tttcatgggc aaaccttggg gccctgctgt ctagcatgcc ccactacggg	240
tctaggctgc ccatgtaagg aggcaaggcc tggggacacc cgagatgcct gggtataatt	300
aaccagaca tgtggctgcc ccccccccc caacacctgc tgcctctaaa aataaccctg	360
tccctgggtg atcccctgca tgcgaagatc ttcgaacaag gctgtggggg actgagggca	420
ggctgtaaca ggcttggggg ccagggttta tacgtgcctg ggactcccaa agtattactg	480
ttccatgttc ccggcgaagg gccagctgtc ccccgccagc tagactcagc acttagttta	540
ggaaccagtg agcaagtcag cccttggggc agcccataca aggccatggg gctgggcaag	600
ctgcacgcct ggggtccgggg tgggcacggt gcccgggcaa cgagctgaaa gctcatctgc	660
tctcaggggc ccctccctgg ggacagcccc tcctggctag tcacaccctg taggctcctc	720
tatataacc aggggcacag gggctgccct cattctacca ccacctccac agcacagaca	780
gacactcagg agccagccag cggcgcgccc aggtaagttt agtctttttg tcttttattt	840
cagggtcccgg atccggtggt ggtgcaaatc aaagaactgc tcctcagtgg atgttgctt	900
tacttctagg cctgtacgga agtggtactt ctgctctaaa agctgcggaa ttgtacccgc	960
g	961

<210> 252

<211> 1736
<212> DNA
<213> Artificial Sequence

<220>

<221> source

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

<400> 252

aaaagagtgc agtaacaaag ccccctttac aatttacccg 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 ctacagacaag	360
gacacaccta ctagtaacct ctccagctgg tgatggcagg tctagggtag gaccagtgc	420
tggctcctaa tcgagcactc tattttcagg gtttgcattc caaaagggtc aggtccaaga	480
gggacctgga gtgccaagtg gaggtgtaga ggcacggcca gtacccatgg agaatggtg	540
atgtccttag gggtagcaa gtgccgtgtg ctaaggaggg ggctttggag gttgggcagg	600
ccctctgtgg ggctccattt ttgtgggggt gggggctgga gcattatagg ggggtgggaag	660
tgattggggc tgtcaccta gccttcctta tctgacgcc acccatgcct cctcaggtac	720
cccctgcccc ccacagctcc tctcctgtgc cttgtttccc agccatgcgt tctcctctat	780
aaataccgc tctggtattt ggggttggca gctgttgctg ccaggagat ggttgggtt	840
acatcggct cctgacaaaa cacaacccc tgggtgtgtg gggcgtgggt ggtgtgagta	900
gggggatgaa tcaggagagg ggcgggggac ccagggggca ggagccacac aaagtctgtg	960
cgggggtggg agcgcacata gcaattgga actgaaagct tatcagaccc tttctgaaa	1020
tcagcccact gtttataaac ttgaggcccc accctcgaca gtaccgggga ggaagagggc	1080
ctgcactagt ccagaggga actgaggctc agggctagct cggccataga catacatggc	1140
aggcaggctt tggccaggat ccctccgcct gccaggcgtc tccctgccct cccttcctgc	1200
ctagagaccc ccacctcaa gcctggctgg tctttgcctg agacccaaac ctcttcgact	1260
tcaagagaat atttaggaac aaggtggttt agggcctttc ctgggaacag gccttgaccc	1320

tttaagaaat gacccaaagt ctctccttga ccaaaaaggg gaccctcaaa ctaaagggaa	1380
gcctctcttc tgctgtctcc cctgaccca ctcccccca cccaggacg aggagataac	1440
cagggctgaa agaggccgc ctgggggctg cagacatgct tgctgcctgc cctggcgaag	1500
gattggcagg cttgcccgtc acaggacccc cgctggctga ctcaggggcg 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>

<221> source

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

<400> 253

gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc	60
catatatgga gttccgcgtt acataactta cggtaaattgg cccgcctggc tgaccgcca	120
acgacccccg cccattgacg tcaataatga cgtatgttcc catagtaacg ccaataggga	180
ctttccattg acgtcaatgg gtggagtatt tacggtaaac tgcccacttg gcagtacatc	240
aagtgtatca tatgccaagt acgcccccta ttgacgtcaa tgacggtaaa tggcccgctt	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 ttgacgcaaa	540
tgggcggtag gcatgtacgg tgggaggtct atataagcag agctcgttta gtgaaccgtc	600
agatcgcttg gagacgcat ccacgctgtt ttgacctcca 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 254
aagtcagcat ccattcctct ctgtggttct ccctccgccc catccaggtc tcaaggttct 60
agagtctttc aaagagaaca cattctgaga tttgaggagg cagagacaaa aagttccact 120
gcgaagtgcc agggaggcctt ctgtttgggg tgtcccttgg gatcacagat cccccacctg 180
gtgatgagtc aaccagcac caccctattg cagggtgga atgacagtaa tgggcccacc 240
tgctgcctct ctcataccc gcacccagtc cagacattgc aagtcagtca cggctctgtc 300
ctgctgggcc tggagtgttc cagtgccttt tccatcacag caccaagcag ccactactag 360
tcgatcaatt tcagcacaag agataaacat cattaccctc tgctaagctc agagataacc 420
caactagctg accataatga cttcagtcac tacggagcaa gataaaagac taaaagaggg 480
agggatcact tcagatctgc cgagtgagtc gattggactt aaagggccag tcaaaccctg 540
actgccggct catggcaggc tcttgccgag gacaaatgcc cagcctatat ttatgcaaag 600
agattttgtt ccaaacttaa ggtcaaagat acctaaagac atccccctca ggaaccctc 660
tcatggagga gagtgcctga gggcttgggt ttccatttgc atccccacc tcaatttccc 720
tggtgcccag ccacttgtgt ctttagggtt ctctttctct ccataaaagg gagccaacac 780
agtgtcggcc tcctctcccc aactaagggc ttatgtgtaa ttaaaaggga ttatgctttg 840
aaggggaaaa gtagccttta atcaccagga gaaggacaca gcgtccggag ccagaggcgc 900
tcttaacggc gtttatgtcc tttgctgtct gaggggcctc agctctgacc aatctggtct 960
tcgtgtggtc att 973

<210> 255
<211> 450
<212> DNA
<213> Artificial Sequence

<220>
<221> source

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

<400> 255

ctagactagc atgctgccc	tgtaaggagg caaggcctgg	ggacacccga gatgcctggt	60
tataattaac ccagacatgt	ggctgcccc cccccccaa	cacctgctgc ctctaaaaat	120
aaccctgcat gccatgttcc	cggcgaaggg ccagctgtcc	ccgcccagct agactcagca	180
cttagtttag gaaccagtga	gcaagtcagc ccttggggca	gcccatacaa ggccatgggg	240
ctgggcaagc tgcacgcctg	ggtccggggg gggcacggtg	cccgggcaac gagctgaaag	300
ctcatctgct ctgaggggcc	cctccctggg gacagcccct	cctggctagt cacaccctgt	360
aggctcctct atataacca	ggggcacagg ggctgccctc	attctaccac cacctccaca	420
gcacagacag acactcagga	gccagccagc		450

<210> 256

<211> 455

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 ctgcatatct	240
gctctggttt taaatagctt	atctgagcag ctggaggacc	acatgggctt atatggggca	300
cctgccaaaa tagcagccaa	cacccccccc tgctgcacat	tcctccctgg ctcaccaggc	360
cccagcccac atgcctgctt	aaagccctct ccacccctg	cctcaccag tccccgtga	420
gactgagcag acgcctccag	gatctgtcgg cagct		455

<210> 257

<211> 3050

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 257

atttttcaag ataaaaagtga aataaatttt caggaaaaaa aagctgagaa aatttgtcac	60
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
aaagggaaaag 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
ctcagacaga cagacaggca ggcaaataca cctcattgcc tcatacatgt tatttgcttt	900
agtttttggt ctgaaccttc ctactccttc aagtatctgc atttacttta tcaaattctc	960
ttttattaga gactgaagaa actgtcatct ctttatgtgc taatgagttt aataatgtcc	1020
tccagtcacc acaagccttc tttcaaacta cacaattcca actgcttccg tctcagagta	1080
tcttgaaata atgatctgac cgcctgtag accagtgaag ggaaggaatt tgggttgatt	1140
taagaagaga atcctcatgg tcatggtaga ctgatatgga gagaaaacat tttgaggaaa	1200
aatactcaac taaattcatt tctactccag catgcagttt caagtcaagt tccaccttag	1260
ctccaggtgg caggcagagc aggatgcaga ggcacagcac aagtaagggg tgagtgccga	1320
agctgctggc tcctgttcca gtctttcttc cttggcctcg cctgaacttt tactataata	1380
atagtcacca tttattaggt gtctcctacg tgcaggacac tttacacaca gtatccctaa	1440

tcctaataca cccttatttt atagatccaa tgactgagtc aagaattaca taacctggcc	1500
agacagctgg tacatgggaa aggtgagatt cacaccaggg tccaccagc atctctactt	1560
ataccatgct ctgctttaag gttctctgag aactcagaca agccttgggc taacaattgt	1620
gttaacagga catagcaggt gcaaggaccc actggtcatc ctgctacctg atcagaagga	1680
aggaaagttg tatttgttgc tcacctacta tgtttttaggc atagtactag gtgcttttac	1740
ctagtactta attcccttat cctcaactca tttattcctc gcaataacct gataagggag	1800
atgtttttat cctcatthta catataagga aacaggccta gagaaatgag cacagtgtcc	1860
aaagtcacat agttaataag atgtgaagct ctgagtttga aagtctccgg tttcaaagcc	1920
atgaaactta tggctccccg ttttagacac ttccttttgg gaagagtgtg gaggaattaa	1980
tcagaaagaa gaaagtcata ctcaaatagg tggtaggagc agagacaatt caatacagac	2040
agaagtctta gatgagagca gtgagccagg gcaactggact gggactcagg aggcttcccc	2100
tagactctgg ttccaccgat gcagcctcag gcaggacttc acctctctgg gcatccgttt	2160
cttcatatgt taaacatacg gggttttaat tagatgatcg ctgaagaccc ctctagccct	2220
aaaactctgt gtctcttaag tgctaagagg gcaccaacag cgttcctcct cccaaggag	2280
cataatgtga tggttcctgc cggccctggc tgactctcgc cgtccttgga gataattggg	2340
ttcagtgcc a cctggaccag aactggggat gcggaagcaa gaggcgagtc tattgctctc	2400
tctcggtcct gggccgccct gtgattgttg ggcgtccgga aactgtctcc cctatggggt	2460
taaaaacaaa actgagcgcc catgggggtgt gacagtcac c tgaggggct tgggtggccc	2520
atcaggcgag gctttctcgg caccgaggc tccagcctga tctcggcttt atcctgcgac	2580
cgggctgggt ctggcgggtc gccagggtgg gcggcggccc cagccgggcg ccccggcggc	2640
aagagcggca ggctgcgccc ctggcccgcg cctagcctgg ggagagagct gggcgggcgg	2700
cgggagctgc tctcgcgggc gcgggccctc gccctggctg caacggtagg cgtttcccgg	2760
gccggacgcg cgtggggggc gggggcgggg gcggggcgga ggccgcggcg agcaaagtcc	2820
aggccccctt gctgcagcgc ccgcgcgtcc agaggccctg ccagacacgc gcgaggttcg	2880
aggtgagaga ggtccgggcg cgtctggcct cgaagggaga cccgggacgt ggggcgcggg	2940
gcgggagtg ccggacctcc acccagtgcc cccgggcccc gcgactcgtg cgccgggccc	3000
ccggagaggg tgtacttgg tctgaggctg tggtttctcc tcaggctgag	3050

<210> 258
<211> 3000
<212> DNA
<213> Artificial Sequence

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

<400> 258
gggtggctcc cagtcagctg gtttggcaaa gtttctggat gattacggaa taacatgtgt 60
ccccaacccg cagagcaggt tgtgggggca atgttgcatc gaccagcgtc agagaacaca 120
catcagaggc aagggtgggt gtgcaggagg gagaaggcgc agaaggcagg gcttttagctc 180
agcactctcc ctctgccat gctctgcctg accgttcctt ctctgagtcc caaacagcca 240
ggtagaggag gaagaaatgg ggctgagacc ccagcacatc agtgattaag tcaggatcag 300
gtgcggtttc ctgctcaggt gctgagacag caggcgggtg cctgcaaaca acaggaggca 360
cctgaagcta gcctggggggg cccacgcca ggtgcgggtgc attcagcagc acagccagag 420
acagaccca atgacccgc ctccctgtcg gcagccagtg ctctgcacag agccctgagc 480
agcctctgga cattagtccc agccccagca cggcccgtcc cccacgctga tgtcaccgca 540
cccagacctt ggaggcccc tccggctccg cctcctggga gaaggctctg gagtgaggag 600
gggagggcag cagtgtctggc tggacagctg ctctgggcag gagagagagg gagagacaag 660
agacacacac agagagacgg cgaggaaggg aaagaccag agggacgcct agaacgagac 720
ttggagccag acagaggaag aggggacgtg tgtttgcaga ctggctgggc ccgtgaccca 780
gcttcctgag tcctccgtgc aggtggcagc tgtaccaggc tggcagggtca ctgagagtgg 840
gcagctgggc cccaggtaag gatgggctgc ccactgtcct gggcattggg aggggtttgg 900
atgtggagga gtcatggact tgagctacct ctagagcctc tgccccacag ccacttgctc 960
ctgggactgg gcttcctgcc acccttgagg gctcagccac cacagccact gaatgaaact 1020
gtcccagacc tgggaagatg gatgtgtgtc ccctggagga gggaagagcc aaggagcatg 1080
ttgtccatcg aatcttctct gagctggggc tggggttagt ggcatcctgg ggccagggga 1140
atagacatgc tgtggtggca gagagaagag tccgttctct ctgtctcctt tgctttctct 1200
ctgacactct ttatctccgt ttttggataa gtcacttcct tcctctatgc cccaaatatc 1260

ccatctgtga aatgggagta tgaagcccca acagccaggg ttgtagtggg gaagaggtaa	1320
aatcaggatat agacatagaa atacaaatac agtctatgcc ccctgttgtc agttggaaaa	1380
gaaattaact tgaagggtgt ctagtttctca tttttagaaa tgaaatgtct gtctgggtcat	1440
tttaaaatgt ggcccttaaa tttcacgccc tcaccactct ccccatccc ttggagcccc	1500
atgtctctag tgaaagcact ggctctgccc ccagccctca tggctcatgc tggcataggg	1560
cgcctgctcc acagcctggg caccatcttc agacaagtgc ccggtggcaa ctgcctgctg	1620
gccctgttga atccacatct ccaccaggca tccagactag ttcaggtctc tggaaggact	1680
gtgggtttgc tgtgtcccag agctccaggg caggggtcag ggctcggatg tcgggcagtg	1740
tcatgggcag aggatcgaat gccccggcgg ctctgaatgg gcccttgtga aaaattgatg	1800
cgcattctag gagacagggt gggagccaga ggggcctcat accagggtct gtaggctggg	1860
gctgcctttt aagctccttc ctgaggccgt ctctgggtct ggccctgtgc tggacaaggc	1920
tggagacaag gcaatgtctc agaccctctc ccattggcca catcctgccc tggatcaact	1980
cgccaacttt gggggcagag gtgggactga cccttaccct gacaacataa tgcatatagt	2040
caaaatggga taaaggggaa tatagaggct cttggcagct tgggagtggg caggggaaggc	2100
ttcctggagg aggtatcatc tgaactgagc catgaaccat aagtggaaat tcactagtca	2160
aaatttcagg tagaagggcc agtgtgtgaa ggccaggaga tggcaagagc tggcgtattt	2220
caggaacagt gagtactga ggatgtccaa gtataagggt aggaaaggga gtgagcagtg	2280
agagaaaaga ccgaggcatc agcaggggcc agattgtgct gggcctagcg gggcgggccc	2340
gggcccgggc ccaggcccag gtgcggtgca ttcagcagca cagccagaga cagaccccaa	2400
tgaccctgcc tccccgtcag cagccagtgc tctgcacaga gccatcctga gggcagtggg	2460
tgctcttgag aggtttcagg cagggtgtgc tgtgagcagg tcatgcccag cccttgacct	2520
tctgctcagt caggcttgtc cttgtcacc acattcctgg ggcagtcctt aagctgagtg	2580
ccggagatta agtcctagtc cttaaatttgc tctggctagc tgtgtgacct tgggcaagtc	2640
ttggtccctc tctgggcccc tttgccgtag gtccctgggtg gggccagact tgctactttc	2700
taggagccct ttgggaatct ctgaatgaca gtggctgaga gaagaattca gctgctctgg	2760
gcagtgggtgc tggtgacagt ggctgaggct caggtcacac aggctgggca gtggtcagag	2820
ggagagaagc caaggagggt tcccttgagg gaggaggagc tggggctttg ggaggagccc	2880

aggtgacccc agccaggctc aaggcttcca gggctggcct gccagaagc atgacatggt	2940
ctctctccct gcagaactgt gcctggccca gtgggcagca ggagctcctg acttgggacc	3000

<210> 259
 <211> 3000
 <212> DNA
 <213> Artificial Sequence

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

<400> 259	
taataggcag agtttcttaa tgtggactag agttgctaatt cttagattat ccatttgagt	60
catgatttcc tactatacaa agcaggagtt gttatgggggt agaagaattt ttatcccagg	120
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
agagaagcca gccattgaat accttgtttg aaagtaggtt gacttcatgt tttgtagcag	480
gtctgaataa tccatttgtc taattcactg tgctctataa tacctatttt caaagatagt	540
ttcccaagtt ctgagaagtc cttacatatt agctgacttt atactaaaat ttgggtttta	600
aaaaattttt ttttagagac atggtctcac tctgtcatcc aggttaaagt gcagtggtag	660
tgtgataata gtttactgca gcctcgaaat cctgggctca acaaccctcc cacctcagca	720
tcctaagtag ctgggactac gagtgtgtgc caccatgcct ggcttaaatt tttttatttt	780
tatttttatt tttatttttt ttttggagac gtgggatttc actatgttgc acagcatggt	840
cttgaactcc tggcttcaag caatcctccc accttggcct cccaaatccc taggaggcac	900
aagcatgagc cattgtgctt tggcctaataa tttgttttaa attaaagttt ttctggtaag	960
aatgtaatag cgtattttga caaagggtga gaaaggcttc ttctggaagc aactaatgct	1020
aattgataaa attgatatat aaatgggttg tggtttccag ctctcttctg ggagagaaat	1080
aaaagggaat ctaataaaga acaatgttgg tttttctctg gctgctttac taacaagaaa	1140

caccatgaaa catttctctc atttctaaac atttctataa aaaagataac ttatagagaa	1200
caaaatcaca atcgaccagt tatttcccaa acaaattttc cattttttaca atacaaaggg	1260
aaagctacaa gtattagctg atttagaata tttctcatct aggatgagat gtcccagatg	1320
gcagagtaga gagagttttg gatataattg aaactctata gaattggtgg caaatgtgca	1380
catatacaca cacacacacg ttcctatcca attaagcagc caaaaagtca gcaatcccat	1440
tgcttcttta gtttaattaa agtcactgat tttccaaacc caacatttag agatcacatc	1500
agatgctact cataatgtaa ggaagcatgt attatggaga ggttatcctg ggtgaaaggt	1560
acagcaacaa ctgaatagtc aaccgaaact tctatcaatg ggccaagctt tgggagcatc	1620
aatatataaa agtttagaat tccattttgt atcctcttct cccccaaaaa gaaagagcac	1680
tggaaattat tccttggtg gtgtttaata gtggtagatc attttgatta aggaattaaa	1740
tggattgagg tgcattgagag caagaaagag gaggggcaag aggggggatt ataggataag	1800
gtgtactgct actttaaaat tatgtatgca tgatcccatc caggtccctc cactgcttg	1860
aggtaccagc ggaaagcttg ggcagctcag ttccaagagg gccaccaagc agaccagct	1920
ctgagcttca ggtaaccaag tgtttgctct gcagaatact ttacctgggc acccaagtct	1980
tccttccagc attcctgctg ctacagccta tttgctgagt aaccaggggt tacagcagcg	2040
ttgccaggca acgagggaca gcggtcctgt tgaagagcca tttgtcacac tgaggggact	2100
ggttgaaatg caataaagaa atggtaactc agcttattta tcaatacaat tacttgcaca	2160
gtattagggga tccatgtgta acctacaaat tcatagtcatt atgaggaaac acagaaacat	2220
tttgctaaat attaaagcat aggacagaca gatggtgttg ggtttctaatt cagctttact	2280
ctgagcttaa agttgctgca catgctggga taaggggaaa ggcccaaagt cctttgccag	2340
ctttattttg ggcattctgta agttagctct gggttacaat gtacagtgca tgtgtaaaga	2400
aaatctacaa gattcttttc cctgttaagt agagctggta atgccattgc taattccctg	2460
gggtgaagta acaacacaaa attattgtat gtgtaatata ttattaataa ttatatatat	2520
ataaaacaca cacatatatt atataaatat ttatgtataa ctggttataa atattactgg	2580
ttgtcctgtg gacttataaa gtgcttgatt tgcccaatgc aatcaagaga tttaccaaaa	2640
ggatgagtat tttactctga gcactgtgct tcaaaatgtt ttttgagaag ttcagtagtg	2700
ttgcttctag gagctcaaag tcctcaggcc tgggatgagc ttcagtttta aaggtgcagc	2760

agctttccct tgacgcccta cgtttttgat tcccagatac cagcagctac tcatgtcttc	2820
gccattgcta agaacgtcgt tggattacc ttactctgag aacgtgtctg cagtttccag	2880
aaaatggagt atcgcaacat cacttaaagt accctgcttc aaagtattgc tggcaagtgg	2940
cgtgggcctg attatttatt tagaaatgct ttatcaggag gagaatgctt ttttgtaaac	3000

<210> 260
 <211> 1053
 <212> DNA
 <213> Artificial Sequence

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

<400> 260	
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gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca	120
atgggtggag tatttacggt aaactgccca cttggcagta catcaagtgt atcatatgcc	180
aagtacgccc cctattgacg tcaatgacgg taaatggccc gcctggcatt atgccagta	240
catgacctta tgggactttc ctacttggca gtacatctac gtattagtca tcgctattac	300
catggtcgag gtgagcccca cgttctgctt cactctcccc atctcccccc cctccccacc	360
cccaattttg tatttattta ttttttaatt attttgtgca gcgatggggg cggggggggg	420
ggggggggcgc gcgccaggcg gggcggggcg gggcgagggg cggggcgggg cgaggcggag	480
aggtgcggcg gcagccaatc agagcggcg gctccgaaag tttcctttta tggcgaggcg	540
gcggcggcgg cggccctata aaaagcgaag cgcgcggcgg gcgggagtcg ctgcgcgctg	600
ccttcgcccc gtgccccgct ccgccgccgc ctgcgcgccgc ccgccccggc tctgactgac	660
cgcgttacta aaacaggtaa gtccggcctc cgcgccgggt tttggcgcct cccgcgggcg	720
ccccctcct cacggcgagc gctgccacgt cagacgaagg gcgcagcgag cgtcctgac	780
cttcgccccg gacgctcagg acagcggccc gctgctcata agactcggcc ttagaacccc	840
agtatcagca gaaggacatt ttaggacggg acttgggtga ctctagggca ctggttttct	900
ttccagagag cggaacaggc gaggaagaat agtcccttct cggcgattct gcggagggat	960
ctccgtgggg cggtgaacgc cgatgatgcc tctactaacc atgttcatgt tttctttttt	1020

tttctacagg tcctgggtga cgaacaggct agc

1053

<210> 261

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 261

gcttgctact gaaaagctaa ggccagaggt aaagactatg gatttgggga atgaatattc 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 ctactttaa 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

tcctataata tgagatgcca caatttattt acacagtcga caattgtaac ccagcttgct 840

tttggctttt actgttttac ataatacttg gtaaaaatcc tcatataaat atttgaaaat 900

ttcctaagtg tccatttgtg aatgtaaaaa ttattttaga gatctaagat ttggtgcaaa 960

acttgcaatc agctacatag ttctacttga ggcaattttc actcaaaata tatcataaac 1020

catagtacaa aaatagagca tagacctctc cttgtgaagc agttgttttt gccttacatt 1080

tttttttttt tttttttttt ttgagatgga gtctcgtct gtcgcccggg ctggagtgca 1140

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cagcctcccc agcagctggg actacaggtg cccgctacca cgtctggcta attttttata	1260
tttttagtag aaacgggggtt tcactgtgtt agccaggatg gtctcgatct cctgacctcg	1320
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gctgccttaa atttttaata atcattgtgc aaattattta gcactccagt gttttgattt	1440
ttctcctctg ctgggtagga ataacaataa tactgttatt caccatgggtg gtgtgggaag	1500
tttcaaagag cacatgtcta taaagtgtt agtgcaaggc ttggcatgca gttaacacaa	1560
aataaatgcg agctgctgtc attaacaata ctgactacac ggcaactgtga tgcttatgta	1620
aatgccaggc tgtgtgtctg taacctgagg tatttgtgta aatattttcc taaaataaat	1680
ctaactaagg ttgttcttct cacttgtatg gggatcatctt atgcggtaga tgctcaaaca	1740
caaattccag atacagagtg ggcagtggta gttaggaaga tagaaaggct agggagtgtt	1800
cctgggaagt cagtaaacctt ggaagatcta aggttatatt aaaaatgttg tatcagaaca	1860
aaggctcagg acgttagtgt tagcagaaac cagatatctt agagcagtgg tttgtcaact	1920
ttgccagcaa tccacagtaa gaaattcaac tccggccggg cgcgggcctg taatcccagc	1980
actttgggaa gccgaggcgg gtggatgact tgaggtcagg agttcgagac catcctggct	2040
aacacagtga aaccccgctt ctactaaaaa tacaaaaatt agccgggcgt ggtggtgtgt	2100
gcctgtaatc ccagctactt gggagggtga 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 gttgattgtt 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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tatacatata tatacatata tacacatata tacatatata catatatata catatatata	2700
tatatatata cacatacata tatatatata cccttgttta aaaataaaag gtttgcagct	2760
ccatattttt taaaaaaatc ttaccaagc atttaatcag tactgaatgg tttgttctt	2820

gtcttcatgt caagttgaat ttgggggtac tattccagaa tatttcatg ttagacaatg	2880
ttctgtaaaa ggggcattgt agcagcatgc aggcagtatt caaccaaaaa ctgggcaaga	2940
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<210> 262

<211> 3102

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 262

cgggagtcct gagggtagca gaagggtgcg gatttaaagt tactgttaga gtggctggaa	60
aatgggagac cggttcagag acattttatc tacttaaaaa ctgtgccttt tgtatcacgt	120
caaagtgaat gcaaaacaaa gaacaaaagg gttaaaggct caggtttaaa tcccaggtat	180
atgtacattt caattgaggt attttttttt tcttttctaa atgatcagta cacttattct	240
ttctaaagaa aatacttttc ttaactactc tctattttta aacttctccc acaaagatga	300
gaaaacattt aaaaatcatt ggggctattt ttctgtttac cgagtaaaga gaatctctaa	360
accatattta taactcttac tctaaatatt tgcatttacc ctcatgccag agcccgttga	420
tgactgacta aacagagttt caaagtttga agaacaggaa atttagaaat gactaacaat	480
tatgtaggtt tatttctctc agtatagaat gttcatatag aattaatgcc agaggttttc	540
agagaaaaat gcagaaattt ttactttgca aatccagaag atgcaattgt tcaagtattt	600
gttaagaaac attaatttta agtatgcaga tatcattgag aattaaatat tttaatttct	660
aaactattta tcttttagta ggatgcacat atgcaaatg cctcattagt actgtaagaa	720
aagattcttg gccgggcgcg gtggctcatg actgtaatcc cagcacttag ggaggccgag	780
gtgggcggat gacgaggtca ggagatcgag accaccctgg cacacggtca aacccgtct	840
ctactaaaga tacaaaaaat tagccgggcg tgatggcggg cgcctgtagt cccagctact	900
cgggaggctg aggcagaaga atggcgtgaa ctcgggaggc ggagcttgca agtgagccga	960
gatagtgcc a ctgcactcca gtctgggcga aagagcgaga ctccatctca aaaaaaaaaa	1020
aaaaaaaaa aaagattctt ttaggtttca tcaattttgt tttaaagcta gggctcttca	1080

ttagatatag gaaaatcaat tcaaagtttc tattcagtca tgatgaattt gagatTTTTT	1140
taggtttctt tgtatttaac aatatattac attataatgt tgtggtgaaa actaaatgga	1200
ctaataattat tcttttcatt tgttaaataa aaaagtatgc acaaagtata tgtgagagtg	1260
acaaaggcct gaatttgtca attagtaaca attgtattca acagtaagga ttttatgttt	1320
gggtaggcct ttcccagga cttctacaag gaaaaagcta gagttggtta ctgacttcta	1380
ataaataatg cctacaattt ctaggaagtt aaaagttgac ataatttatc caagaaagaa	1440
ttattttctt aacttagaat agtttctttt ttcttttcag atgtaggttt ttctggcttt	1500
agaaaaaatg cttgtttttc ttcaatggaa aataggcaca cttgttttat gtctgttcat	1560
ctgtagtcag aaagacaagt ctggtatttc ctttcaggac tcccttgagt cattaaaaaa	1620
aatcttccta tctatctatg tatctatcat ccatctagct ttgatttttt cctcttctgt	1680
gctttattag ttaattagta cccatttctg aagaagaaat aacataagat tatagaaaat	1740
aatttctttc attgtaagac tgaatagaaa aaattttctt tcattataag actgagtaga	1800
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
aggaagattt atgaaatatt taaaaaatta ttcttccttc gctttgtttt tagacataat	2100
gttaaattta ttttgaaatt taaagcaaca taaaagaaca tgtgattttt ctacttattg	2160
aaagagagaa aggaaaaaaa tatgaaacag ggatggaaag aatcctatgc ctggtgaagg	2220
tcaagggttc tcataaccta cagagaattt ggggtcagcc tgtcctattg tatattatgg	2280
caaagataat catcatctca tttgggtcca ttttcctctc catctctgct taactgaaga	2340
tcccatgaga tatactcaca ctgaatctaa atagcctatc tcagggcttg aatcacatgt	2400
gggccacagc aggaatggga acatggaatt tctaagtcct atcttacttg ttattgttgc	2460
tatgtctttt tcttagtttg catctgaggc aacatcagct ttttcagaca gaatggcttt	2520
ggaatagtaa aaaagacaca gaagccctaa aatatgtatg tatgtatatg tgtgtgtgcg	2580
tgcgtgagta cttgtgtgta aatttttcat tatctatagg taaaagcaca cttggaatta	2640
gcaatagatg caatttggga ctttaactctt tcagtatgtc ttatttctaa gcaaagtatt	2700

tagtttggtt agtaattact aaacactgag aactaaattg caaacaccaa gaactaaaat	2760
gttcaagtgg gaaattacag ttaaatacca tggtaatgaa taaaagggtac aaatcgtttt	2820
aactcttatg taaaatttga taagatgttt tacacaactt taatacattg acaagggtctt	2880
gtggagaaaa cagttccaga tggtaaatat acacaaggga tttagtcaaa caatTTTTTg	2940
gcaagaatat tatgaatttt gtaatcggtt ggcagccaat gaaatacaaa gatgagtcta	3000
gttaataatc tacaattatt ggttaaagaa gtatattagt gctaatttcc ctccgtttgt	3060
cctagctttt ctcttctgtc aacccccacac gcctttggca ca	3102

<210> 263

<211> 2337

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 263

tctagcttcc ttagcatgac gttccacttt tttctaaggt ggagcttact tctttgattt	60
gatcttttgt gaaacttttg gaaattaccc atcttcctaa gcttctgctt ctctcagttt	120
tctgcttgct cattccactt ttccagctga ccctgcccc taccaacatt gctccacaag	180
cacaaattca tccagagaaa ataaattcta agttttatag ttgtttggat cgcataggta	240
gctaaagagg tggcaacca cacatcctta ggcagtagct tgattttttt tgatttagaa	300
ccttcccctc tctgttccta gactacacta cacattctgc aagcatagca cagagcaatg	360
ttctacttta attactttca ttttcttgta tcctcacagc ctagaaaata acctgcgtta	420
cagcatccac tcagtatccc ttgagcatga ggtgacacta cttaacatag ggacgagatg	480
gtactttgtg tctcctgctc tgtcagcagg gcactgtact tgctgatacc agggaatgtt	540
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
agctgtcaca gctaccaatc aggcattgtc gggaatgagt acacggggac cataagttac	840

tgacattcgt ttcccattcc atttgaatac acacttttgt catggtattg cttgctgaaa	900
ttgttttgca aaaaaaaccc cttcaaattc atatatatta ttttaataaa tgaattttaa	960
tttatctcaa tgttataaaa aagtcaattt taataattag gtacttatat acccaataat	1020
atctaacaat catttttaaa catttgttta ttgagcttat tatggatgaa tctatctcta	1080
tatactctat atactctaaa aaagaagaaa gaccatagac aatcatctat ttgatatgtg	1140
taaagtttac atgtgagtag acatcagatg ctccatttct cactgtaata ccatttatag	1200
ttacttgcaa aactaactgg aattctagga cttaaattt ttaagtttta gctgggtgac	1260
tggttgaaa attttaggta agtactgaaa ccaagagatt ataaaacaat aaattctaaa	1320
gttttagaag tgatcataat caaatattac cctctaataa aaatattcca aagttgagct	1380
acagaaattt caacataaga taatttttagc tgtaacaatg taatttgttg tctattttct	1440
tttgagatac agttttttct gtctagcttt ggctgtcctg gaccttgctc tgtagaccag	1500
gttggctctg aactcagaga tctgcttgcc tctgccttgc aagtgctagg attaaaagca	1560
tgtgccacca ctgcctggct acaatctatg ttttataaga gattataaag ctctggcttt	1620
gtgacattaa tctttcagat aataagtctt ttggattgtg tctggagaac atacagactg	1680
tgagcagatg ttcagaggta tatttgctta ggggtgaatt caatctgcag caataattat	1740
gagcagaatt actgacactt ccattttata cattctactt gctgatctat gaaacataga	1800
taagcatgca ggcattcatc atagttttct ttatctggaa aaacattaaa tatgaaagaa	1860
gcactttatt aatacagttt agatgtgttt tgccatcttt taatttctta agaaatacta	1920
agctgatgca gagtgaagag tgtgtgaaaa gcagtgggtg agcttggtt gaactcgttc	1980
tccagcttgg gatcgacctg caggcatgct tccatgccaa ggcccacact gaaatgctca	2040
aatgggagac aaagagatta agctcttatg taaaatttgc tgttttacat aactttaatg	2100
aatggacaaa gtcttggtgca tgggggtggg ggtgggggta gaggggaaca gctccagatg	2160
gcaaacatac gcaagggtt tagtcaaaca actttttggc aaagatggta tgattttgta	2220
atggggtagg aaccaatgaa atgcgaggta agtatgggta atgatctaca gttattgggt	2280
aaagaagtat attagagcga gtctttctgc acacagatca cctttcctat caacccc	2337

<210> 264

<211> 1330

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 264

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttgagg ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagagggtt 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 ggTTTTtcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc aacacccgg ctaatTTTTt	720
ctatTTTTga cagggaagg gtttcacat gttggtcagg ctggtctaga ggtaccgggg	780
ctggaagcta ctttgacat ctttcctct gcgaatgcat gtataatttc tacagaacct	840
attagaaagg atcaccagc ctctgctttt gtacaacttt cccttaaaaa actgccaat	900
ccactgctgt ttggcccaat agtgagaact ttttcctgct gcctcttggt gcttttgcct	960
atggccccta ttctgcctgc tgaagacact cttgccagca tggacttaaa cccctccagc	1020
tctgacaatc ctctttctct tttgttttac atgaagggtc tggcagccaa agcaatcact	1080
caaagttaa accttatcat tttttgcttt gttcctcttg gccttggttt tgtacatcag	1140
ctttgaaaat accatcccag ggttaatgct ggggttaatt tataactaag agtgctctag	1200
ttttgcaata caggacatgc tataaaaatg gaaagatctc taaggtaa ataaaaat	1260
taagtgtata atgtgttaaa ctactgattc taattgtttc tctcttttag attccaacct	1320
ttggaactga	1330

<210> 265
<211> 937
<212> DNA
<213> Artificial Sequence

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

<400> 265
agattgtacc tgcccgtaca taagggtcaat aggggggtgaa tcaacaggaa agtcccattg 60
gagccaagta cactgcgtca atagggtactt tccattgggt tttgcccggg acataagggtc 120
aataggggat gagtcaatgg gaaaaacca ttggagccaa gtacactgac tcaataggga 180
ctttccattg ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc 240
ccattggagc caagtacatt gagtcaatag ggactttcca atgggttttg cccagtacat 300
aagggtcaatg ggaggttaagc caatgggttt ttcccattac tggcacgtat actgagtcac 360
tagggacttt ccaatgggtt ttgccagta cataagggtca atagggtga atcaacagga 420
aagtcccatt ggagccaagt acactgagtc aatagggtact ttccattggg ttttgcccag 480
tacaaaaggt caataggggg tgagtcaatg ggtttttccc attattggca cgtacataag 540
gtcaataggg gtgactagtc agtgggcaga gcgcacatcg cccacagtcc ccgagaagtt 600
ggggggaggg gtcggcaatt gaaccggtgc ctagagaagg tggcgcgagg taaactggga 660
aagtgatgtc gtgtactggc tccgcctttt tcccagggtt ggggggagaac cgtatataag 720
tgtagtagtt gccgtgaacg ttcttttttcg caacgggttt gccgccagaa cacagctgaa 780
gcttctgcct tctccctcct gtgagtttgg taagtcactg actgtctatg cctgggaaag 840
ggtgggcagg agatggggca gtgcaggaaa agtggcacta tgaaccctgc agccctagac 900
aattgtacta accttcttct ctttcctctc ctgacag 937

<210> 266
<211> 367
<212> DNA
<213> Artificial Sequence

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

<400> 266
gagcttgggc tgcaggtcga gggcactggg aggatgttga gtaagatgga aaactactga 60
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>
<221> source
<223> /note="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 actctaactc 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 268
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60
tattagtgtc aatttccctc cgtttgtcct agcttttctc atgcgtgtta ccgtctgtct 120
gcacatttcg tagagcgagt gttccgatac tctaattctcc ctaggcaagg ttcatatttg 180
ttaggtttac ttattctcct tttgttgact 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 269
gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc 60
aaacacatag atgcgtgtta ccgtctgtct gcacatttcg tagagcgagt gttccgatac 120
tctaattctcc ctaggcaagg ttcatatttg ttaggtttac ttattctcct tttgttgact 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<400> 270
 gatgctctaa tctctctaga caaggttcat atttgtatgg 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
 ccccttcacc aggagaagcc gtcacacaga tccacaagct cctgaagagg taagggttta 420
 agggatgggtt ggttgggtggg gtattaatgt ttaattacct ggagcacctg cctgaaatca 480
 ctttttttca gtttg 495

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

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

<400> 271
 cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
 gggctaagtc cacatgcgtg ttagggctgg aagctacctt tgacatcatt tcctctgcga 120
 atgcatgtat aatttctaca gaacctatta gaaaggatca ccagcctct gcttttgtac 180
 aactttccct taaaaaactg ccaattccac tgctgttttg cccaatagtg agaacttttt 240
 cctgctgcct cttggtgctt 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
 gatctcctga agaggtaagg gtttaaggga tggttgggtg gtgggggtatt aatgtttaat 600
 tacctggagc acctgcctga aatcactttt tttcaggttg 640

<210> 272
<211> 667
<212> DNA
<213> Artificial Sequence

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

<400> 272
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60
tattagtgtc aatttcctc cgtttgcct agcttttctc atgcgtgtta gggctggaag 120
ctaccttga catcatttcc tctgcgaatg catgtataat ttctacagaa cctattagaa 180
aggatcacc agcctctgct tttgtacaac tttcccttaa aaaactgcca attccactgc 240
tgtttgccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc 300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca 360
atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc actcaaagtt 420
caaaccttat cttttttgc tttgttcctc ttggccttg tttgtacat cagctttgaa 480
aataccatcc cagggttaat gctgggggta atttataact aagagtgtc tagttttgca 540
atacaggaca tgctataaaa atggaaagat ctctgaaga ggtaagggtt taagggatgg 600
ttggttggtg gggattaat gttaattac ctggagcacc tgcctgaaat cacttttttt 660
caggttg 667

<210> 273
<211> 637
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="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 aggatcacc agcctctgct tttgtacaac 180

tttcccttaa aaaactgcca attccactgc tgtttgcccc 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 ttttgtacat cagctttgaa aataccatcc cagggttaat gctggggtta	480
atttataact aagagtgctc tagttttgca atacaggaca tgctataaaa atggaaagat	540
ctcctgaaga ggtaagggtt taagggatgg ttggttggtg gggtattaat gtttaattac	600
ctggagcacc tgcctgaaat cacttttttt caggttg	637

<210> 274

<211> 736

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 gtttgccca 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 aggggttaat ctgggggttaa tttataacta agagtgtctt	600
agttttgcaa tacaggacat gctataaaaa tggaaagatc tcctgaagag gtaagggttt	660
aagggatggt tggttggtgg ggtattaatg ttttaattacc tggagcacct gcctgaaatc	720
actttttttc aggttg	736

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

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

<400> 275
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag 60
gggctaagtc cacatgcgtg ttaggcatgc ttccatgcca aggcccacac tgaaatgctc 120
aaatgggaga caaagagatt aagctcttat gtaaaatttg ctgtttttaca taactttaat 180
gaatggacaa agtcttgtgc atggggggtgg ggggtgggggtt agaggggaac agctccagat 240
ggcaaacata cgcaagggat ttagtcaaac aacttttttg caaagatggt atgattttgt 300
aatggggtag gaaccaatga aatgcgaggt aagtatggtt aatgatctac agttattggt 360
taaagaagta tattagagcg agtctttctg cacacagatc acctttccta tcaaccccct 420
cctgaagagg taagggttta agggatggtt ggttggtggg gtattaatgt ttaattacct 480
ggagcacctg cctgaaatca ctttttttca ggttg 515

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

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

<400> 276
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta 60
tattagtgc ttttccctc cgtttgcct agcttttctc atgcgtgtta ggcattcttc 120
catgccaaagg cccacactga aatgctcaaa tgggagacaa agagattaag ctcttatgta 180
aaatttgctg ttttacataa ctttaatgaa tggacaaagt cttgtgcatg ggggtggggg 240
tgggggttaga ggggaacagc tccagatggc aaacatacgc aagggattta gtcaaacaac 300
tttttgcaa 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>
 <221> source
 <223> /note="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 aagggtatta gtcaaacaac tttttggcaa agatggtatg attttghtaat	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>
 <221> source
 <223> /note="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 atgctcaaata gggagacaaa gagattaagc	240
tcttatgtaa aatttgctgt ttacataaac tttaatgaat ggacaaagtc ttgtgcatgg	300
gggtgggggt ggggttagag gggaacagct ccagatggca aacatacgca agggatttag	360
tcaaacaact ttttgcaaaa gatggtatga ttttgtaatg gggtaggaac caatgaaatg	420
cgaggtaagt atggttaatg atctacagtt attggttaaa gaagtatatatt agagcgagtc	480
tttctgcaca cagatcacct ttcctatcaa cccctcctg aagaggtaag ggtttaaggg	540
atggttggtt ggtggggtat taatgtttaa ttacctggag cacctgcctg aaatcacttt	600
ttttcagggtt g	611

<210> 279
 <211> 355
 <212> DNA
 <213> Artificial Sequence

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

<400> 279	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacatgcgtg ttaaacagtt ccagatggta aatatacaca agggatttag	120
tcaaacaatt ttttggaag aatattatga attttgtaat cggttggcag ccaatgaaat	180
acaaagatga gtctagttaa taatctacaa ttattggtta aagaagtata ttagtgctaa	240
tttccctccg tttgtcctct cctgaagagg taagggttta agggatggtt ggttggtggg	300
gtattaatgt ttaattacct ggagcacctg cctgaaatca ctttttttca ggttg	355

<210> 280
 <211> 382
 <212> DNA
 <213> Artificial Sequence

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

<400> 280

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgcct aatttcctc cgtttgcct agcttttctc atgcgtgta aacagttcca	120
gatggtaa atacacaagg gatttagtca aacaatTTTT tggcaagaat attatgaatt	180
ttgtaatcgg ttggcagcca atgaaataca 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 281	
gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60
aaacacatag atgcgtgta aacagttcca gatggtaa atacacaagg gatttagtca	120
aacaatTTTT tggcaagaat attatgaatt ttgtaatcgg ttggcagcca atgaaataca	180
aagatgagtc tagttaataa tctacaatta ttggttaaag aagtatatta gtgctaattt	240
ccctccgttt gtcctctcct gaagaggtaa gggtttaagg gatggttggt tgggtgggta	300
ttaatgttta attacctgga gcacctgcct gaaatcactt tttttcaggt tg	352

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

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

<400> 282	
gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc	120

tagctcagga gaagtgagta taaaagcccc aggctgggag cagccatcaa tgcgtgttaa	180
acagttccag atggtaaata tacacaaggg atttagtcaa acaatTTTTT ggcaagaata	240
ttatgaattt tgtaatcggT tggcagccaa tgaaatacaa agatgagtct agttaataat	300
ctacaattat tggttaaaga agtatattag tgctaatttc cctccgtttg tcctctcctg	360
aagaggtaag ggtttaaggg atggttggtt ggtggggat taatgtttaa ttacctggag	420
cacctgcctg aaatcacttt ttttcaggtt g	451

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

<220>
 <221> source
 <223> /note="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 gtgaccttg ttaatatcca ccagcagcct	240
cccccgttgc ccctctggat ccactgctta aatacggacg aggacagggc cctgtctcct	300
cagcttcagg caccaccact gacctgggac agtctcctga agaggtaagg gtttaaggga	360
tggttggttg gtgggggtatt aatgtttaat tacctggagc acctgcctga aatcactttt	420
tttcaggttg	430

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

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

<400> 284	
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60

tattagtgcct aatttcctc cgtttgcct agcttttctc atgcgtgtta aatgactcct	120
ttcggtaagt gcagtggaag ctgtacactg cccaggcaaa gcgtccgggc agcgtaggcg	180
ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactggggtg	240
accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat	300
acggacgagg acagggccct gtctcctcag cttcaggcac caccactgac ctgggacagt	360
ctcctgaaga ggtaagggtt taagggatgg ttggttggtg gggtattaat gtttaattac	420
ctggagcacc tgcctgaaat cacttttttt caggttg	457

<210> 285

<211> 427

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 aactggggtg accttggtta atattcacca gcagcctccc	240
ccgttgcccc tctggatcca ctgcttaaat acggacgagg acagggccct gtctcctcag	300
cttcaggcac caccactgac ctgggacagt ctcctgaaga ggtaagggtt taagggatgg	360
ttggttggtg gggtattaat gtttaattac ctggagcacc tgcctgaaat cacttttttt	420
caggttg	427

<210> 286

<211> 526

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 cagtggaagc 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>

<221> source

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

<400> 287

cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacatgcgtg ttaaatgact cttttcggtg 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 agtgaatccg gactctaagg taaatataaa	360
atttttaagt gtataatgtg ttaaactact gattctaatt gtttctctct ttagattcc	420
aacctttgga actga	435

<210> 288

<211> 462

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 288

agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgcct aatttccttc cgtttgcct agcttttctc atgcgtgtta aatgactcct	120
ttcggtgaagt 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
gaatccggac tctaaggtaa atataaaatt ttttaagtga taatgtgtta aactactgat	420
tctaattgtt tctctctttt agattccaac ctttggaact ga	462

<210> 289

<211> 448

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 289

gcggccgcga atgacattca gcctgttccc gtccctgata tgggcaaaca ttgcaagcag	60
caaacagcaa acacatagat gcgtgttaaa tgactccttt cggttaagtgc agtggaagct	120
gtacactgcc caggcaaagc gtccgggcag cgtaggcggg cgactcagat cccagccagt	180
ggacttagcc cctgtttgct cctccgataa ctgggggtgac cttgggttaat attcaccagc	240
agcctcccc gttgcccctc tggatccact gcttaaatac ggacgaggac agggccctgt	300
ctctcagct tcaggcacca ccactgacct gggacagtga atccggactc taaggtaaata	360
ataaaatfff taagtgtata atgtgttaaa ctactgattc taattgtttc tctcttttag	420
attccaacct ttggaactga gtttaaac	448

<210> 290

<211> 531

<212> DNA

<213> Artificial Sequence

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

<400> 290
gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt 60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc 120
tagctcagga gaagtgaagta taaaagcccc aggctgggag cagccatcaa tgcgtgttaa 180
atgactcctt tcggtaagtg cagtgaagc 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
tgggacagtg aatccggact ctaaggtaaa tataaaatth ttaagtgtat aatgtgttaa 480
actactgatt ctaattgttt ctctctttta gattccaacc tttggaactg a 531

<210> 291
<211> 636
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="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 cttggtgctt ttgcctatgg cccctattct gcctgctgaa gacactcttg 300
ccagcatgga cttaaaccct tccagctctg acaatcctct ttctcttttg ttttacatga 360
agggtctggc agccaaagca atcactcaaa gttcaaacct tatcattttt tgctttgttc 420
ctcttggcct tggttttgta catcagcttt gaaaatacca tcccagggtt aatgctgggg 480
ttaatttata actaagagtg ctctagtttt gcaatacagg acatgctata aaaatggaaa 540

gatctctaag gtaaatataa aatttttaag tgtataatgt gttaaactac tgattctaata	600
tgtttctctc ttttagattc caacctttgg aactga	636

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

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

<400> 292	
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgtc aatttcctc cgtttgcct agcttttctc atgcgtgtta gggctggaag	120
ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa cctattagaa	180
aggatcacc agcctctgt tttgtacaac tttcccttaa aaaactgcc attccactgc	240
tgtttgccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc	300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca	360
atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc actcaaagtt	420
caaaccttat cattttttgc tttgttcctc ttggccttgg tttgtacat cagctttgaa	480
aataccatcc cagggttaat gctgggggtta 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 293	
gaatgacctt cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc	60

aaacacatag atgcgtgtta gggctggaag ctacctttga 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 actcaaagtt caaaccttat cttttttgc tttgttcctc	420
ttggccttgg tttgtacat cagctttgaa aataccatcc cagggttaat gctggggtta	480
atttataact aagagtgctc 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>

<221> source

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

<400> 294

gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcagggt ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagtgahta taaaagcccc aggctgggag cagccatcaa tgcgtgttag	180
ggctggaagc tacctttgac atcattttcct 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 aggggttaatg ctgggggttaa ttataacta agagtgtctt	600
agttttgcaa tacaggacat gctataaaaa tggaaagatc tctaaggtaa atataaaatt	660

tttaagtgtgta taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac	720
ctttggaact ga	732

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

<220>
 <221> source
 <223> /note="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 tctctctgtt tgctctgggt	180
aataatctca ggagcacaaa cattccagat ccggcgcgcc agggctggaa gctacctttg	240
acatcatttc ctctgcgaat gcatgtataa tttctacaga acctattaga aaggatcacc	300
cagcctctgc ttttgtacaa ctttccctta aaaaactgcc aattccactg ctgtttggcc	360
caatagtgag aactttttcc tgctgcctct tggtgctttt 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 tttaagtgtg taatgtgtta aactactgat	720
tctaattgtt tctctctttt agattccaac ctttggaact ga	762

<210> 296
 <211> 766
 <212> DNA
 <213> Artificial Sequence

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

<400> 296

aggttaat	ttaaaaagca	gtcaaaagtc	caagtggccc	ttggcagcat	ttactctctc	60
tg	tttgctct	gg	taataat	ctcaggagca	caaacattcc	120
aaagcagtca	aaag	tccaag	tggcccttgg	cagcatttac	tctctctgtt	180
tgctctgg	tt					
aataatctca	ggagc	acaaa	cattccagat	ccggcgcgcc	agggctggaa	240
gctac	ctttg					
acatcatttc	ctctgcgaat	gcatgtataa	tttctacaga	acctattaga	aaggatcacc	300
cagcctctgc	ttttgtacaa	ctttccctta	aaaaactgcc	aattccactg	ctgtttggcc	360
caatagtgag	aactttttcc	tgctgcctct	tggtgctttt	gcctatggcc	cctattctgc	420
ctgctgaaga	cactcttgcc	agcatggact	taaaccctc	cagctctgac	aatcctcttt	480
ctctttt	gtt	ttacatgaag	ggtctggcag	caaagcaat	cactcaaagt	540
tcaa	acctta					
tcattttttg	ctttgttcct	cttggccttg	gttttgtaca	tcagctttga	aaataccatc	600
ccagggttaa	tgctgggggtt	aatttataac	taagagtgtc	ctagttttgc	aatacaggac	660
atgctataac	tcctgaagag	gtaagggttt	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>

<221> source

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

<400> 300
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 acccccggc attgacgtca ataatgacgt atgttcccat 300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc 360
ccacttggca gtacatcaag tgtatcatat gccaaagtcg cccctattg acgtcaatga 420
cggtaaatgg cccgcctggc attatgcca gtacatgacc ttacgggact ttcctacttg 480
gcagtacatc tacgtattag tcatcgctat taccatgg 518

<210> 301
<211> 777
<212> DNA
<213> Artificial Sequence

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

<400> 301
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 agcagagggt gtcctggcgt 300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag 360
taagtggcta tgccccgacc ccgaagcctg tttcccatc tgtacaatgg aaatgataaa 420
gacgcccac tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg 480
ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc 540
tcatctcacc acaaccttc cctgcctcag cctcccaagt agctgggatt acaagcatgt 600
gccaccacac ctggctaatt ttctattttt agtagagacg ggtttctcca tgttggtcag 660

cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatttttt	720
ctattttttga cagggacggg gtttcacat gttggtcagg ctggtctaga ggtaccg	777

<210> 302
 <211> 427
 <212> DNA
 <213> Artificial Sequence

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

<400> 302	
gagtcaatgg gaaaaacca 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 ttgccagta cataagggtca atagggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggtact ttccattggg ttttgcccag tacaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtgacta	427

<210> 303
 <211> 83
 <212> DNA
 <213> Artificial Sequence

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

<400> 303	
cgggggaggc tgctggtgaa tattaaccaa ggtcacccca gttatcggag gagcaaacag	60
gggctaagtc cacacgctg gta	83

<210> 304
 <211> 777
 <212> DNA
 <213> Artificial Sequence

<220>

<221> source

<223> /note="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 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
gacgcccac tcataggggt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttg tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc ccacaccgg ctaatTTTT	720
ctatTTTTga caggacggg gtttcacat gttggtcagg ctggtctaga ggtactg	777

<210> 305

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 305

gtttgctgct tgcaatgttt gccatttta gggtggacac aggacgctgt ggtttctgag	60
ccaggg	66

<210> 306

<211> 212

<212> DNA

<213> Artificial Sequence

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

<400> 306
ggaggggtgg agtcgtgacc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca 60
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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 307
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 ggtacccggg 330

<210> 308
<211> 194
<212> DNA
<213> Artificial Sequence

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

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

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

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

<400> 311	
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc	60

tgtttgctct ggtaataat ctcaggagca caaacattcc 100

<210> 312

<211> 296

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 312

gttacataac ttatggtaaa tggcctgcct ggctgactgc ccaatgaccc ctgcccattg 60

atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat 120

gggtggagta tttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag 180

tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg ccaggtacat 240

gacattatgg gactttccta cttggcagta catctatgta ttagtcattg ctatta 296

<210> 313

<211> 235

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 313

ggcctgaaat aacctctgaa agaggaactt ggtaggtac cttctgaggc ggaaagaacc 60

agctgtggaa tgtgtgtcag ttagggtgtg 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>

<221> source

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

<400> 315

ggagtcgctg cgacgtgcc 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 gcggcccgcg ctgccggcg gctgtgagcg	300
ctgcgggcgc ggcgcggggc tttgtgcgct ccgcagtgtg cgcgagggga gcgcggccgg	360
gggcggtgcc ccgcggtgcg gggggggctg cgaggggaac aaaggctgcg tgcggggtgt	420
gtgcgtgggg gggtagcag ggggtgtggg cgcggcggtc gggctgtaac cccccctgc	480
acccccctcc ccgagttgct gagcacggcc cggcttcggg tgcggggctc cgtacggggc	540
gtggcgcggg gctcgccgtg ccgggcgggg ggtggcggca ggtgggggtg ccgggcgggg	600
cggggccgcc tcgggccggg gagggctcgg gggaggggcg cggcgggccc cggagcgccg	660
gcggctgtcg aggcgcggcg agccgcagcc attgcctttt atggtaatcg tgcgagagg	720
cgcagggact tcctttgtcc caaatctgtg cggagccgaa atctgggagg cgccgccgca	780
ccccctctag ggggcgcggg 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
atccgaagg gttcaagctt ggcattccgg tactgttggt aaagcca	1127

<210> 316

<211> 93

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 316

ctctaaggta aatataaaat ttttaagtgt ataatgtgtt aaactactga ttctaattgt 60

ttctctcttt tagattccaa cctttggaac tga 93

<210> 317

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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>

<221> source

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

<400> 318

ctgccttctc cctcctgtga gtttggtgaag tctatgcctg ggaaagggtg 60

ggcaggagat ggggcagtc aggaaaagtgc gcactatgaa ccctgcagcc ctagacaatt 120

gtactaacct tcttctcttt cctctcctga caggttggtg tacagtagct tcc 173

<210> 319

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 319

aagaggtgaag ggtttaaggg atggttggtt ggtggggtat taatgtttta ttacctggag 60

cacctgcctg aaatcacttt ttttcaggtt g 91

<210> 320
 <211> 54
 <212> DNA
 <213> Artificial Sequence

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

<400> 321
 gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60
 ggtaaatata aaattttttaa gtgtataatg tggttaaacta ctgattctaa ttgtttctct 120
 cttttagatt ccaacctttg gaactga 147

<210> 322
 <211> 147
 <212> DNA
 <213> Artificial Sequence

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

<400> 322
 gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaata attactctaa 60
 ggtaaatata aaattttttaa gtgtataatg tggttaaacta ctgattctaa ttgtttctct 120
 cttttagatt ccaacctttg gaactga 147

<210> 323

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

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

<400> 323
tcctcagctt caggcaccac cactgacctg ggacagtga tgcgccacc 48

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

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

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

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

<220>
<221> source

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

<400> 326

gcttagtgct gagcacatcc agtgggtaaa gttccttaaa atgctctgca aagaaattgg 60

gacttttcat taaatcagaa attttacttt tttcccctcc tgggagctaa agatatttta 120

gagaagaatt aaccttttgc ttctccagtt gaacatttgt agcaataagt ca 172

<210> 327

<211> 160

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 327

gccctgtctc ctcagcttca ggcaccacca ctgacctggg acagtgaatc cggactctaa 60

ggtaaataata aaatttttaa gtgtataatg tgtaaacta ctgattctaa ttgtttctct 120

cttttagatt ccaacctttg gaactgaatt ctagaccacc 160

<210> 328

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 328

accactttca caatctgcta gcaaagggtt 29

<210> 329

<211> 133

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 331	
tctagagaag ctttattgcg gtagtttatc acagttaaatt tgctaacgca gtcagtgcctt	60
ctgacacaac agtctcgaac ttaagctgca gtgactctct taaggtagcc ttgcagaagt	120
tggtcgtgag gactgggca 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>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 332
caaagtcag gccctctgc tgcagcgccc gcgcgtccag aggcctgcc agacacgcgc 60

gaggttcgag gctgag 76

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

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

<400> 333
agaatgatga aaaccgaggt tggaaaaggt tgtgaaacct tttaactctc cacagtggag 60

tccattatatt cctctggctt cctcaaattc atattcacag ggctcgttggc tgtgggttgc 120

aattacc 127

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

<220>
<221> source
<223> /note="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>

<221> source

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

<400> 335

gggtcaccac cacctccaca gcacagacag acactcagga gccagccagc caggtaagtt 60

tagtcttttt gtctttttatt tcaggtcccg gatccggtgg tggtgcaaact caaagaactg 120

ctcctcagtg gatgttgcct ttacttctag gcctgtacgg aagtgttact tctgctctaa 180

aagctgcgga attgtacccg cggccgcg 208

<210> 336

<211> 159

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 336

aagcttctgc cttctccctc ctgtgagttt ggtaagtcac tgactgtcta tgcctgggaa 60

agggtgggca ggagatgggg cagtgcagga aaagtggcac tatgaaccct gcagccctag 120

acaattgtac taaccttctt ctctttcctc tcctgacag 159

<210> 337

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 337

cgcgcctagc agtgtcccag ccgggttcgt gtcgcc 36

<210> 338

<211> 141

<212> DNA

<213> Artificial Sequence

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

 <400> 338
 acgccgcctg ggtcccagtc cccgtcccat cccccggcgg cctaggcagc gtttccagcc 60
 ccgagaactt tggtcttttt gtcccgcccc ctgcgcccaa ccgcctgcgc cgccttccgg 120
 cccgagttct ggagactcaa c 141

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

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

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

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

<220>
 <221> source

<223> /note="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>

<221> source

<223> /note="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>

<221> source

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

<400> 345

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

<210> 346

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 346

tccataaagt aggaaact acacgattcc ataaagtagg aaacactaca tcactccata	60
aagtaggaaa cactaca	77

<210> 347

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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>

<221> source

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

<400> 348

taaaatacag catagcaaaa cttaacctc caaatcaagc ctctacttga atccttttct 60

gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag 120

cctcaccttc tttcatggag tttaagatat agtgtatttt cccaagggtt gaactagctc 180

ttcatttctt 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>

<221> source

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

<400> 349

agtcaatatg ttcaccccaa aaaagctgtt tgtaacttg ccaacctcat tctaaaatgt 60

atatagaagc caaaagaca ataacaaaaa tattcttgta gaacaaaatg ggaaagaatg 120

ttccactaaa tatcaagatt tagagcaaag catgagatgt gtggggatag acagtgaggc 180

tgataaaata gagtagagct cagaaacaga ccattgata tatgtaagt acctatgaaa 240

aaaatatggc attttacaat gggaaaatga tggctttttt cttttttaga aaaacagga 300

aatatattta tatgtaaaaa ataaaaggga acccatatgt cataccatac acacaaaaaa 360

attccagtga attataagtc taaatggaga aggcaaaact ttaaattctt 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 aatattaaaa	780
ggctaagtaa catctgtggc	800

<210> 350
 <211> 407
 <212> DNA
 <213> Artificial Sequence

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

<400> 350	
aattatctct aaggcatgtg aactggctgt cttggttttc atctgtactt catctgctac	60
ctctgtgacc tgaacatat ttataattcc attaagctgt gcatatgata gatttatcat	120
atgtattttc cttaaaggat ttttgtaaga actaattgaa ttgataacctg taaagtcctt	180
atcacactac ccaataaata ataaatctct ttgttcagct ctctgtttct ataaatatgt	240
accagtttta ttgttttttag tggtagtgat ttatttctct ttctatatat atacacacac	300
atgtgtgcat tcataaatat atacaatfff tatgaataaa aaattattag caatcaatat	360
tgaaaaccac tgatttttgt ttatgtgagc aaacagcaga ttaaaag	407

<210> 351
 <211> 186
 <212> DNA
 <213> Artificial Sequence

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

<400> 352	
taaaatacag catagcaaaa ctttaacctc caaatcaagc ctctacttga atccttttct	60
gagggatgaa taaggcatag gcatcagggg ctgttgccaa tgtgcattag ctgtttgcag	120
cctcaccttc tttcatggag tttaagatat agtgtatttt cccaaggttt gaactagctc	180
ttcatttctt 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<400> 353	
gagcatctta ccgccattta ttcccatatt 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 ctccttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300

attgcttccc gtacggcttt cgttttctcc tccttgata aatcctggtt gctgtctctt	360
ttagaggagt tgtggcccggt tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaacccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt	580

<210> 354
 <211> 64
 <212> DNA
 <213> Artificial Sequence

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

<400> 355	
gataatcaac ctctggatta caaaatttgt gaaagattga ctggtattct taactatggt	60
gctcctttta cgctatgtgg atacgctgct ttaatgcctt tgtatcatgc tattgcttcc	120
cgtatggctt tcattttctc ctccttgat aaatcctggt tagttcttgc cacggcggaa	180
ctcatcgccg cctgccttgc ccgctgctgg acaggggctc ggctgttggg cactgacaat	240
tccgtgg	247

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

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

 <400> 356
 aaatacatca ttgcaatgaa aataaatggt 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>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic
 oligonucleotide"

 <400> 357
 gagcatctta ccgccattta ttcccatatt tggtctgttt ttcttgattt gggtatacat 60

 tt 62

<210> 358

<400> 358
 000

<210> 359

<400> 359
 000

<210> 360
 <211> 225
 <212> DNA
 <213> Artificial Sequence

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

 <400> 360
 tgtgccttct agttgccagc catctgttgt ttgccctcc ccgtgcctt ccttgaccct 60

ggaaggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120
gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg 180
ggaagacaat agcaggcatg ctgggggatgc ggtgggctct atggc 225

<210> 361
<211> 49
<212> DNA
<213> Artificial Sequence

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

<400> 361
aataaaagat ctttattttc attagatctg tgtgttggtt ttttgtgtg 49

<210> 362
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="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>
<221> source
<223> /note="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>

<221> source

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

<400> 364

ctcgatgctt tatttgtgaa atttgtgatg ctattgcttt atttgaacc attataagct 60

gcaataaaca agttaacaac aacaattgca ttcattttat gtttcaggtt cagggggagg 120

tgtgggagggt tttttaact agt 143

<210> 365

<211> 228

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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 gtggggtggg gcaggacagc aagggggagg 180

attgggaaga caatagcagg catgctgggg atgcagtggg ctctatgg 228

<210> 366

<211> 222

<212> DNA

<213> Artificial Sequence

<220>

<221> source

<223> /note="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>
<221> source
<223> /note="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 cattttatgt ttcaggttca gggggagggtg 180
tgggagggtt tttaaagcaa gtaaaacctc tacaaatgtg gtatgg 226

<210> 368
<211> 129
<212> DNA
<213> Artificial Sequence

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

<400> 371
 cggcaataaa aagacagaat aaaacgcacg ggtgttgggt cgtttgttc 49

<210> 372
 <211> 226
 <212> DNA
 <213> Artificial Sequence

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

<400> 372
 ccataccaca tttgtagagg ttttacttgc tttaaaaaac ctccacacc tccccctgaa 60
 cctgaaacat aaaatgaatg caattgttgt tgtaaacttg tttattgcag cttataatgg 120
 ttacaaataa agcaatagca tcacaaattt cacaaataaa gcattttttt cactgcattc 180

tagttgtggt ttgtccaaac tcatcaatgt atcttatcat gtctgg 226

<210> 373

<211> 416

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 373

catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa 60

aagcttattc atctgttttt ctttttcgtt ggtgtaaagc caacaccctg tctaaaaaac 120

ataaatttct ttaatcattt tgcctctttt ctctgtgctt caattaataa aaaatggaaa 180

gaatctaata gagtgggtaca gcactgttat ttttcaaaga tgtgttgcta tcctgaaaat 240

tctgtaggtt ctgtggaagt tccagtgttc tctcttattc cacttcggta gaggatttct 300

agtttcttgt gggctaatta aataaatcat taatactctt ctaagttatg gattataaac 360

attcaaaata atattttgac attatgataa ttctgaataa aagaacaaaa accatg 416

<210> 374

<211> 415

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 374

atcacattta aaagcatctc agcctaccat gagaataaga gaaagaaaat gaagatcaaa 60

agcttattca tctgtttttc tttttcgttg gtgtaaagcc aacaccctgt ctaaaaaaca 120

taaatttctt taatcatttt gcctcttttc tctgtgcttc aattaataaa aaatggaaag 180

aatctaatag agtgggtacag cactgttatt tttcaaagat gtgttgctat cctgaaaatt 240

ctgtaggttc tgtggaagtt ccagtgttct ctcttattcc acttcggtag aggatttcta 300

gtttcttgtg ggctaattaa ataaatcatt aatactcttc taagttatgg attataaaca 360

ttcaaaataa tattttgaca ttatgataat tctgaataaa agaacaaaaa ccatg 415

<210> 375
<211> 122
<212> DNA
<213> Artificial Sequence

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

<400> 375
taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta 60
tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag 120
tt 122

<210> 376
<211> 133
<212> DNA
<213> Artificial Sequence

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

<400> 376
tgctttatatt gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat 60
aaacaagtta acaacaacaa ttgcattcat tttatgtttc aggttcaggg ggaggtgtgg 120
gaggtttttt aaa 133

<210> 377
<211> 1611
<212> DNA
<213> Artificial Sequence

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

<400> 377
atggagtttt caagtccttc cagagaggaa tgtcccaagc ctttgagtag ggtaagcatc 60
atggctggca gcctcacagg attgcttcta cttcaggcag tgtcgtgggc atcaggtgcc 120
cgcccctgca tccctaaaag cttcggctac agctcggtgg tgtgtgtctg caatgccaca 180

tactgtgact cctttgaccc cccgaccttt cctgcccttg gtaccttcag ccgctatgag	240
agtacacgca gtgggcgacg gatggagctg agtatggggc ccatccaggc taatcacacg	300
ggcacaggcc tgctactgac cctgcagcca gaacagaagt tccagaaagt gaagggattt	360
ggagggggcca tgacagatgc tgctgctctc aacatccttg ccctgtcacc ccctgccc	420
aatttgctac ttaaatacgta cttctctgaa gaaggaatcg gatataacat catccgggta	480
cccatggcca gctgtgactt ctccatccgc acctacacct atgcagacac ccctgatgat	540
ttccagttgc acaacttcag cctcccagag gaagatacca agctcaagat acccctgatt	600
caccgagccc tgcagttggc ccagcgtccc gtttcactcc ttgccagccc ctggacatca	660
cccacttggc tcaagaccaa tggagcggcg aatgggaagg ggtcactcaa gggacagccc	720
ggagacatct accaccagac ctggggccaga tactttgtga agttcctgga tgcctatgct	780
gagcacaagt tacagttctg ggagtgaca gctgaaaatg agccttctgc tgggctgttg	840
agtggatacc ccttccagtg cctgggcttc acccctgaac atcagcgaga cttcattgcc	900
cgtgacctag gtcctaccct cgccaacagt actcaccaca atgtccgcct actcatgctg	960
gatgaccaac gcttgctgct gccccactgg gcaaagggtg tactgacaga ccagaagca	1020
gctaaatatg ttcattggcat tgctgtacat tggtacctgg actttctggc tccagccaaa	1080
gccaccctag gggagacaca ccgcctgttc cccaacacca tgctctttgc ctcagaggcc	1140
tgtgtgggct ccaagttctg ggagcagagt gtgcggctag gctcctggga tcgagggatg	1200
cagtacagcc acagcatcat cacgaacctc ctgtaccatg tggtcggctg gaccgactgg	1260
aaccttgccc tgaacccga aggaggacct aattgggtgc gtaactttgt cgacagtccc	1320
atcattgtag acatcaccaa ggacacgttt taaaacagc ccatgttcta ccacctggc	1380
cacttcagca agttcattcc tgagggctcc cagagagtgg ggctggttgc cagtcagaag	1440
aacgacctgg acgcagtggc actgatgcat ccgatggct ctgctgttgt ggtcgtgcta	1500
aaccgctcct ctaaggatgt gcctcttacc atcaaggatc ctgctgtggg cttcctggag	1560
acaatctcac ctggctactc cattcacacc tacctgtggc gtcgccagtg a	1611

<210> 378

<211> 1611

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 378

atggaattca gcagccccag cagagaggaa tgccccaagc ctctgagccg ggtgtcaatc	60
atggccggat ctctgacagg actgctgctg cttcaggccg tgtcttgggc ttctggcgct	120
agaccttgca tccccaagag cttcggctac agcagcgtcg tgtgcgtgtg caatgccacc	180
tactgcgaca gcttcgacct tcctacctt cctgctctgg gcaccttcag cagatacgag	240
agcaccagat ccggcagacg gatggaactg agcatgggac ccatccaggc caatcacaca	300
ggcactggcc tgctgctgac actgcagcct gagcagaaat tccagaaagt gaaaggcttc	360
ggcggagcca tgacagatgc cgccgctctg aatatcctgg ctctgtctcc accagctcag	420
aacctgctgc tcaagagcta cttcagcgag gaaggcatcg gctacaacat catcagagtg	480
cccatggcca gctgcgactt cagcatcagg acctacacct acgccgacac acccgacgat	540
ttccagctgc acaacttcag cctgcctgaa gaggacacca agctgaagat ccctctgata	600
cacagagccc tgcagctggc acaaagacct gtgtcactgc tggcctctcc atggacatct	660
cccacctggc tgaaaacaaa tggcgccgtg aatggcaagg gcagcctgaa aggccaacct	720
ggcgatatct accaccagac ctgggccaga tacttcgtga agttcctgga cgcctatgcc	780
gagcacaagc tgcagttttg ggccgtgaca gccgagaacg aaccttctgc tggactgctg	840
agcggctacc ctttcagtg cctgggcttt acacccgagc accagcggga cttcattgcc	900
cgtgatctgg gaccacact ggccaatagc acccaccata atgtgcggct gctgatgctg	960
gacgaccaga gactgcttct gccccactgg gctaaagtgg tgctgacaga tcctgaggcc	1020
gccaaatacg tgcacggaat cgccgtgcac tggatatctgg actttctggc ccctgccaag	1080
gccacactgg gagagacaca cagactgttc cccaacacca tgctgttcgc cagcgaagcc	1140
tgtgtgggca gcaagttttg ggaacagagc gtgcggctcg gcagctggga tagaggcatg	1200
cagtacagcc acagcatcat caccaacctg ctgtaccacg tcgtcggctg gaccgactgg	1260
aatctggccc tgaatcctga aggcggccct aactgggtcc gaaacttcgt ggacagcccc	1320
atcatcgtgg acatcaccaa ggacacctt tacaagcagc ccatgttcta ccacctggga	1380
cacttcagca agttcatccc cgagggtctt cagcgcgttg gactggtggc ttcccagaag	1440

aacgatctgg acgccgtggc tctgatgcac cctgatggat ctgctgtggt ggtggtcctg	1500
aaccgggtcca gcaaagatgt gcccctgacc atcaaagacc ccgccgtggg attcctggaa	1560
acaatcagcc ctggctactc catccacacc tacctgtggc ggagacagta g	1611

<210> 379
 <211> 1548
 <212> DNA
 <213> Artificial Sequence

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

<400> 379	
atggctgcca ggctcatcgg attcttccta tttcaggcgg tatcttgggc atatggtgcc	60
caaccctgca tccccaaaag ctttggctac agctcagtgg tctgtgtctg taatgcatcg	120
tactgtgact ctcttgaccc cgtgacctta ccggctctgg gtaccttcag ccgttacgag	180
agcactcgac gtggacgtcg gatggagctg agtgtcgggg ccatccaggc caatcgcact	240
ggcacagggt tactactcac tttgcagcca gaaaagaagt tccagaaagt gaaaggattt	300
ggaggcgcca tgacagacgc cactgcgctc aacatccttg ctttgtcccc acctactcag	360
aagctgctac tcagatccta cttctctacc aacggaattg aatataacat catccgggta	420
cccatggcca gttgtgactt ctccatccgt gtctatacct atgctgacac ccctaacgac	480
ttccagttat ccaacttcag cctcccagaa gaagacacca agctcaagat acccctgatt	540
caccaagccc tgaagatgtc ctcacgcccc atttcactct ttgccagtcc ctggacatca	600
cccacttggc tcaagaccaa tggaagagtg aatgggaagg ggtcgtcaa gggtcagcca	660
ggggatatct ttcaccagac ctgggccaat tactttgtca agtttctgga tgcttatgct	720
aagtatggcc taagattctg ggcagtgaca gcggagaatg aacctacagc agggctcttc	780
acggggtacc ctttccagtg cctgggcttc actcctgaac accagagaga cttcatttcc	840
cgtgacctag ggccagccct tgccaacagt tcccatgatg tgaagctact catgctagat	900
gaccaacgct tgctgctacc ccgctgggca gaggtggtgc tctctgatcc agaggcagct	960
aagtacgttc atggcattgc tgttcactgg tatatggatt tcctggctcc agccaaagct	1020
actttaggag agacacaccg cttgttcccc aacacaatgc tctttgcttc ggaggcctgc	1080

gtgggctcca agttctggga acagagtgtt cggttgggct cctgggatcg agggatgcag	1140
tacagtcaca gcatcattac gaacctcctt taccacgtaa ctggatggac ggactggaac	1200
cttgccctga atcctgaagg agggcccaac tgggtccgca actttgtcga tagccccatt	1260
attgtcgaca tccccaaaga cgcatTTTtac aaacagccca tgttctacca tcttggccac	1320
ttcagcaagt tcattcccga gggatcccag agagtggcgt tgggtggccag tgagagcact	1380
gacttggaac cagtagcact gttacgccct gacggctctg cagttgtggt cgtgttaaac	1440
cgatcttcgg aggatgtccc tcttaccatc agtgatcctg acctgggctt cctggagacc	1500
gtgtcacctg gctactccat tcacacttac ctgtggcgct gccagtga	1548

<210> 380

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> source

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

<400> 380

Gly Gly Gly Gly Ser

1 5

<210> 381

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<221> source

<223> /note="Description of Artificial Sequence: Synthetic 6xHis tag"

<400> 381

His His His His His His

1 5

<210> 382

<211> 1584

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 382

atggctgcca ggctcatcgg attcttccta tttcaggcgg tatcttgggc atatggtgcc	60
caaccctgca tccccaaaag ctttggctac agctcagtgg tctgtgtctg taatgcatcg	120
tactgtgact ctcttgacct cgtgacctta ccggctctgg gtaccttcag ccgttacgag	180
agcactcgac gtggacgtcg gatggagctg agtgtcgggg ccatccaggc caatcgcaact	240
ggcacagggt tactactcac tttgcagcca gaaaagaagt tccagaaagt gaaaggattt	300
ggaggcgcca tgacagacgc cactgcgctc aacatccttg ctttgtcccc acctactcag	360
aagctgctac tcagatccta cttctctacc aacggaattg aatataacat catccgggta	420
cccatggcca gttgtgactt ctccatccgt gtctatacct atgctgacac ccctaacgac	480
ttccagttat ccaacttcag cctcccagaa gaagacacca agctcaagat acccctgatt	540
caccaagccc tgaagatgtc ctcacgcccc atttcactct ttgccagtcc ctggacatca	600
cccacttggc tcaagaccaa tggaagagtg aatgggaagg ggtcgtcaa gggtcagcca	660
ggggatatct ttcaccagac ctgggccaat tactttgtca agtttctgga tgcttatgct	720
aagtatggcc taagattctg ggcaagtaca gcggagaatg aacctacagc agggctcttc	780
acgggggtacc ctttccagt cctgggcttc actcctgaac accagagaga cttcatttcc	840
cgtgacctag ggccagccct tgccaacagt tcccatgatg tgaagctact catgctagat	900
gaccaacgct tgctgctacc ccgctgggca gaggtggtgc tctctgatcc agaggcagct	960
aagtacgttc atggcattgc tgttactgg tatatggatt tcctggctcc agccaaagct	1020
actttaggag agacacaccg cttgttcccc aacacaatgc tctttgcttc ggaggcctgc	1080
gtgggctcca agttctggga acagagtgtt cggttgggct cctgggatcg agggatgcag	1140
tacagtcaca gcatcattac gaacctcctt taccacgtaa ctggatggac ggactggaac	1200
cttgccctga atcctgaagg agggcccaac tgggtccgca actttgtcga tagccccatt	1260
attgtcgaca tccccaaaga cgcattttac aaacagccca tgttctacca tcttggccac	1320
ttcagcaagt tcattcccga gggatcccag agagtggcgt tgggtggccag tgagagcact	1380
gacttgaaa cagtagcact gttacgccct gacggctctg cagttgtggt cgtgttaaac	1440
cgatcttcgg aggatgtccc tcttaccatc agtgatcctg acctgggctt cctggagacc	1500

gtgtcacctg gctactccat tcacacttac ctgtggcgtc gccagggggg tggaggctct	1560
catcaccatc accatcacta atga	1584

<210> 383
 <211> 1548
 <212> DNA
 <213> Artificial Sequence

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

<400> 383	
atggccgcta ggctgatcgg cttctttctg tttcaggccg tgagctgggc ttacggagct	60
cagccatgca tccccaagtc cttcggatac agctccgtgg tgtgcgtgtg caacgcttcc	120
tactgtgact ctctggaccc cgtgaccctg ccagccctgg gcacattcag ccggtacgag	180
tccaccagga gaggccggcg catggagctg tccgtgggag ctatccaggc caaccgcacc	240
ggcacaggac tgctgctgac actgcagcca gagaagaagt ttcagaaggt gaagggttc	300
ggcggagcta tgaccgacgc cacagctctg aacatcctgg ccctgagccc ccctaccag	360
aagctgctgc tgagaagcta cttttccaca aacggaatcg agtacaacat catcagggtg	420
cccatggctt cttgcgactt cagcatcaga gtgtacacct acgccgacac acctaacgat	480
ttccagctgt ctaactttag cctgcctgag gaggatacca agctgaagat cccactgatc	540
caccaggctc tgaagatgtc tagcaggcca atctccctgt ttgcctctcc ctggaccagc	600
cctacatggc tgaagaccaa cggcagagtg aacggaaagg gcagcctgaa gggacagcca	660
ggagacatct ttcaccagac atgggccaac tacttcgtga agttttctgga tgcctacgct	720
aagtacggac tgcggttctg ggctgtgacc gctgagaacg agcctaccgc cggcctgttc	780
acaggatacc catttcagtg cctgggcttc acaccagagc accagaggga cttcatctcc	840
cgcgatctgg gaccagccct ggctaactcc tctcacgacg tgaagctgct gatgctggac	900
gatcagaggc tgctgctgcc cagatgggct gaggtggtgc tgtctgacct tgaggccgct	960
aagtacgtgc acggcatcgc cgtgcactgg tacatggatt ttctggcccc agctaaggcc	1020
accctgggag agacacaccg cctgtttccc aacaccatgc tgttcgcttc tgaggcctgc	1080
gtgggcagca agttctggga gcagagcgtg cggctgggct cctgggatag gggaatgcag	1140

tactctcaca gcatcatcac aaacctgctg taccacgtga ccgatggac agactggaac	1200
ctggctctga acccagaggg cggaccaac tgggtcagga actttgtgga tagccctatc	1260
atcgtggaca tcccaaagga tgccttttac aagcagccta tgttctacca cctgggccac	1320
ttctccaagt ttatcccaga gggatctcag agagtggctc tgggtggcctc cgagtctacc	1380
gacctggaga cagtggctct gctgaggcca gatggctctg ccgtgggtgt ggtgctgaac	1440
cgcagctccg aggacgtgcc cctgaccatc agcgaccctg atctgggctt cctggagacc	1500
gtgtcccctg gatactctat ccacacatac ctgtggagga gacagtga	1548

<210> 384

<211> 1581

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 384

atggccgcta ggctgatcgg cttctttctg tttcaggccg tgagctgggc ttacggagct	60
cagccatgca tccccaagtc cttcggatac agctccgtgg tgtgcgtgtg caacgcttcc	120
tactgtgact ctctggaccc cgtgaccctg ccagccctgg gcacattcag ccggtacgag	180
tccaccagga gaggccggcg catggagctg agcgtgggag ctatccaggc caaccgcacc	240
ggcacaggac tgctgctgac actgcagcca gagaagaagt ttcagaaggt gaagggttc	300
ggcggagcta tgaccgacgc cacagctctg aacatcctgg ccctgtcccc ccctaccag	360
aagctgctgc tgagaagcta cttttccaca aacggaatcg agtacaacat catcagggtg	420
cccatggctt cttgcgactt cagcatcaga gtgtacacct acgccgacac acctaacgat	480
ttcagctgt ctaactttag cctgcctgag gaggatacca agctgaagat cccactgata	540
caccaggctc tgaagatgtc tagcaggcca atctccctgt ttgcctctcc ctggaccagc	600
cctacatggc tgaagaccaa cggcagagtg aacggaaagg gcagcctgaa gggacagcca	660
ggagacatct ttcaccagac atgggccaac tacttcgtga agtttctgga tgcctacgct	720
aagtacggac tgaggttctg ggctgtgacc gctgagaacg agcctaccgc cggcctgttc	780
acaggatacc catttcagt cctgggcttc acaccagagc accagaggga cttcatctcc	840

cgcgatctgg gaccagccct ggctaactcc tctcacgacg tgaagctgct gatgctggac	900
gatcagaggc tgctgctgcc cagatgggct gaggtggtgc tgtctgacct tgaggccgct	960
aagtacgtgc acggcatcgc cgtgcactgg tacatggatt ttctggcccc agctaaggcc	1020
accctgggag agacacaccg cctgtttccc aacaccatgc tgttcgcttc tgaggcctgc	1080
gtgggcagca agttctggga gcagagcgtg cggctgggct cctgggatag gggaatgcag	1140
tactctcaca gcatcatcac aaacctgctg taccacgtga ccggatggac agactggaac	1200
ctggctctga acccagaggg cggaccaaac tgggtcagga actttgtgga ttctcctatc	1260
atcgtggaca tcccaaagga tgccttttac aagcagccta tgttctacca cctgggccac	1320
ttctccaagt ttatcccaga gggatctcag agagtggctc tgggtggcctc cgagtctacc	1380
gacctggaga cagtggctct gctgaggcca gatggctctg ccgtgggtgt ggtgctgaac	1440
cgcagctccg aggacgtgcc cctgaccatc agcgaccctg atctgggctt cctggagacc	1500
gtgtcccctg gatactctat ccacacatac ctgtggagga gacagggagg aggaggaagc	1560
caccaccacc accaccactg a	1581

<210> 385

<211> 3199

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 385

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac ttatcgcggc	180
cgccggggga ggctgctggt gaatattaac caaggtcacc ccagttatcg gaggagcaaa	240
caggggctaa gtccacacgc gtggtaccgt ctgtctgcac atttcgtaga gcgagtgttc	300
cgatactcta atctccctag gcaaggttca tatttgtgta ggttacttat tctccttttg	360
ttgactaagt caataatcag aatcagcagg tttggagtca gcttggcagg gatcagcagc	420
ctgggttga aggaggggtg ataaaagccc cttcaccagg agaagccgtc gaagaggtaa	480

gggtttaagg gatggttggg tgggtgggta ttaatgttta attacctgga gcacctgcct	540
gaaatcactt tttttcaggt tggtttaaac cgcagccacc atggagtttt caagtccttc	600
cagagaggaa tgtcccaagc ctttgagtag ggtaagcatc atggctggca gcctcacagg	660
attgcttcta cttcaggcag tgtcgtgggc atcaggtgcc cgcccctgca tccctaaaag	720
cttcggctac agctcggtag tgtgtgtctg caatgccaca tactgtgact cttttgacct	780
cccgaccttt cctgcccttg gtaccttcag ccgctatgag agtacacgca gtgggcgacg	840
gatggagctg agtatggggc ccatccaggc taatcacacg ggacacaggcc tgctactgac	900
cctgcagcca gaacagaagt tccagaaagt gaagggattt ggaggggcca tgacagatgc	960
tgctgctctc aacatccttg ccctgtcacc ccctgcccga aatttgctac ttaaatacgt	1020
cttctctgaa gaaggaatcg gatataacat catccgggta cccatggcca gctgtgactt	1080
ctccatccgc acctacacct atgcagacac ccctgatgat ttccagttgc acaacttcag	1140
cctcccagag gaagatacca agctcaagat acccctgatt caccgagccc tgcagttggc	1200
ccagcgtccc gtttcactcc ttgccagccc ctggacatca cccacttggc tcaagaccaa	1260
tggagcggtg aatgggaagg ggtcactcaa gggacagccc ggagacatct accaccagac	1320
ctgggccaga tactttgtga agttcctgga tgcctatgct gagcacaagt tacagttctg	1380
ggcagtgaca gctgaaaatg agccttctgc tgggctgttg agtggatacc ctttcagtg	1440
cctgggcttc acccctgaac atcagcgaga cttcattgcc cgtgacctag gtcctaccct	1500
cgccaacagt actcaccaca atgtccgcct actcatgctg gatgaccaac gcttgctgct	1560
gccccactgg gcaaaggtag tactgacaga cccagaagca gctaaatatg ttcatggcat	1620
tgctgtacat tggtagctgg actttctggc tccagccaaa gccaccctag gggagacaca	1680
ccgcctgttc cccaacacca tgctctttgc ctgagaggcc tgtgtgggct ccaagttctg	1740
ggagcagagt gtgcggctag gctcctggga tcgagggatg cagtacagcc acagcatcat	1800
cacgaacctc ctgtaccatg tggtcggctg gaccgactgg aaccttgccc tgaaccccga	1860
aggaggaccc aattgggtgc gtaactttgt cgacagtccc atcattgtag acatcaccaa	1920
ggacacgttt taaaacagc ccatgttcta ccaccttggc cacttcagca agttcattcc	1980
tgagggtccc cagagagtgg ggctgggtgc cagtcagaag aacgacctgg acgcagtggc	2040
actgatgcat cccgatggct ctgctgttgt ggtcgtgcta aaccgctcct ctaaggatgt	2100

gcctcttacc atcaaggatc ctgctgtggg cttcctggag acaatctcac ctggctactc	2160
cattcacacc tacctgtggc gtcgccagt atagttaatt aagagcatct taccgccatt	2220
tattcccata tttgttctgt ttttcttgat ttgggtatac atttaaattgt taataaaaca	2280
aaatggtggg gcaatcattt acatttttag ggatatgtaa ttactagttc aggtgtattg	2340
ccacaagaca aacatgttaa gaaactttcc cgttatttac gctctgttcc tgttaatcaa	2400
cctctggatt acaaaatttg tgaaagattg actgatattc ttaactatgt tgctcctttt	2460
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<210> 386

<211> 3199

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 386

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<210> 387

<211> 3199

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 387

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<210> 388

<211> 3154

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 388

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<210> 389

<211> 3136

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 389

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