

SEQUENCE LISTING

<110> GENERATION BIO CO.
PASACKOW, Eli Hertzel

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

<130> 131698-06520

<140>

<141>

<150> 62/993,857

<151> 2020-03-24

<160> 410

<170> PatentIn version 3.5

<210> 1

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 1

aggaacccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggcgacc aaaggtcgcc cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc 120

gagcgcgcag ctgcctgcag g 141

<210> 2

<211> 141

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 2

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60

gggcgacctt tggtcgcccg gcctcagtga gcgagcgagc gcgagagag ggagtggcca 120

actccatcac taggggttcc t 141

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

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

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

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

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

<400> 4
cctgcaggca gctgcgct cgctcgctca ctgaggccgc ccgggcgtcg ggcgacctt 60
ggtcgcccgg cctcagttag cgagcgagcg cgagagagg gaggggccaa ctccatcact 120
aggggttcct 130

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

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

<400> 5
ttgccactc cctctctgcg cgctcgctcg ctgggtgggg cctgcggacc aaaggtccgc 60
agacggcaga ggtctcctt gccggcccca ccgagcgagc gacgcgcgca gagagggagt 120
gggcaactcc atcactaggg taa 143

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

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

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

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

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

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

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

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

<400> 8
tccccctgt cgcgttcgct cgctcgctgg ctcgtttggg ggggcgacgg ccagagggcc 60
gtcgtctggc agctctttga gctgccaccc ccccaaacga gccagcgagc gagcgaacgc 120
gacagggggg agagtgccac actctcaagc aagggggttt tgtaag 166

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<400> 13
 cttacaaaac ccccttgctt gagagtgtgg cactctcccc cctgtcgcgt tcgctcgctc 60
 gctggctcgt ttgggggggt ggcagctcaa agagctgcca gacgacggcc ctctggccgt 120
 cgcccccca aacgagccag cgagcgagcg aacgcgacag ggggga 166

<210> 14
 <211> 144
 <212> DNA
 <213> Artificial Sequence

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

<400> 14
 ataccctag tgatggagtt gccactccc tctatgcgcg ctgctcgct cggtggggcc 60
 ggagaggag acctctgccg tctgcggacc tttggtccgc aggccccacc gagcgagcga 120
 gcgcgcatta gagggagtgg gcaa 144

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

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

<400> 15
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
cgcacgcccg ggtttcccgg gcggcctcag tgagcgagcg agcgcgagc tgcctgcagg 120

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

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

<400> 16
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgacgcccg ggctttgccc gggcggcctc agtgagcgag cgagcgcgca gctgcctgca 120
gg 122

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

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

<400> 17
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccggcgacc aaaggtcgcc cgacgcccgg gcgcctcagt gagcgagcga gcgcgcagct 120
gcctgcagg 129

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

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

<400> 18
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ctttgcctca gtgagcgagc gagcgcgag ctgcctgcag g 101

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

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

<400> 19
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgaca aagtcgccc acgcccgggc tttgccggg cggcctcagt gagcgagcga 120
gcgcgagct gcctgcagg 139

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

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

<400> 20
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctcactgagg 60
ccgggcgaaa atcgcccgac gcccgggctt tgcccgggcg gcctcagtga gcgagcgagc 120
gcgagctgc ctgcagg 137

<210> 21
<211> 135

<212> DNA
<213> Artificial Sequence

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

<400> 21
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgaaa cgcccgcgc ccgggctttg cccgggcggc ctactgagc gagcgagcgc 120
gcagctgcct gcagg 135

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

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

<400> 22
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgaaa cccgcgccc gggctttgcc cgggcggcct cagtgcgca gcgagcgcgc 120
agctgcctgc agg 133

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

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

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

<210> 24
<211> 137

<212> DNA
<213> Artificial Sequence

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

<400> 24
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg tttccgggcg gcctcagtga gcgagcgagc 120
gcgcagctgc ctgcagg 137

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

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

<400> 25
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgcccg ttcgggcggc ctcaagtgagc gagcgagcgc 120
gcagctgcct gcagg 135

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

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

<400> 26
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccctt tgggcggcct cagtgaagcga gcgagcgcg 120
agctgcctgc agg 133

<210> 27
<211> 131

<212> DNA
<213> Artificial Sequence

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

<400> 27
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgccttt ggcgccctca gtgagcgagc gagcgcgag 120
ctgcctgcag g 131

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

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

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

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

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

<400> 29
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacgtttcg gcctcagtga gcgagcgagc gcgcagctgc 120
ctgcagg 127

<210> 30
<211> 122

<212> DNA
<213> Artificial Sequence

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

<400> 30
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
gg 122

<210> 31
<211> 130
<212> DNA
<213> Artificial Sequence

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

<400> 31
aggaaccct agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60
ccgggcgacc aaaggtcgcc cgacggcctc agtgagcgag cgagcgcgca gctgcctgca 120
tgctgcagg 130

<210> 32
<211> 120
<212> DNA
<213> Artificial Sequence

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

<400> 32
cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtgcg 60
cctcagttag cgagcgagcg cgagagagg gaggggccaa ctccatcact aggggttcct 120

<210> 33
<211> 122
<212> DNA
<213> Artificial Sequence

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

 <400> 33
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgt cgggcgacct ttggtcgccc 60
 ggcctcagtg agcgagcgag cgcgcagaga gggagtggcc aactccatca ctaggggttc 120
 ct 122

<210> 34
 <211> 122
 <212> DNA
 <213> Artificial Sequence

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

 <400> 34
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc cggggcaaag cccgggcgtc 60
 ggcctcagtg agcgagcgag cgcgcagaga gggagtggcc aactccatca ctaggggttc 120
 ct 122

<210> 35
 <211> 129
 <212> DNA
 <213> Artificial Sequence

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

 <400> 35
 cctgcaggca gctgcgcgct cgctcgctca ctgaggcgcc cgggcgtcgg gcgacctttg 60
 gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120
 ggggttcct 129

<210> 36
 <211> 101
 <212> DNA
 <213> Artificial Sequence

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

<400> 36
 cctgcaggca gctgcgcgct cgctcgctca ctgaggcaaa gcctcagtga gcgagcgagc 60
 gcgcagagag ggagtggcca actccatcac taggggttcc t 101

<210> 37
 <211> 139
 <212> DNA
 <213> Artificial Sequence

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

<400> 37
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 gggcgacttt gtcgcccggc ctcaagtgagc gagcgagcgc gcagagaggg agtggccaac 120
 tccatcacta ggggttcct 139

<210> 38
 <211> 137
 <212> DNA
 <213> Artificial Sequence

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

<400> 38
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
 gggcgatattt cgcccggcct cagtgagcga gcgagcgcgc agagagggag tggccaactc 120
 catcactagg ggttcct 137

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

<220>

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

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

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

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

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

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

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

<400> 41
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggaaacc cgggcgtcgg 60
 gcgacctttg gtcgcccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac 120
 tccatcacta ggggttcct 139

<210> 42
 <211> 137
 <212> DNA
 <213> Artificial Sequence

<220>

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

<400> 42
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccggaaccg ggcgtcgggc 60
 gacctttggt cgcccgccct cagtgagcga gcgagcgcg agagaggag tggccaactc 120
 catcactagg gggttcct 137

<210> 43
 <211> 135
 <212> DNA
 <213> Artificial Sequence

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

<400> 43
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgaaacggg cgtcgggcga 60
 cctttggtcg cccggcctca gtgagcgagc gagcgcgag agaggagtg gccaaactcca 120
 tcactagggg ttcct 135

<210> 44
 <211> 133
 <212> DNA
 <213> Artificial Sequence

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

<400> 44
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccaaaggcg tcgggcgacc 60
 tttggtcgcc cggcctcagt gagcgagcga gcgcgcagag agggagtggc caactccatc 120
 actaggggtt cct 133

<210> 45
 <211> 131
 <212> DNA
 <213> Artificial Sequence

<220>

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

<400> 45
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc caaaggcgtc gggcgacctt 60
 tggtcgccccg gcctcagtga gcgagcgagc gcgcagagag ggagtggcca actccatcac 120
 taggggttcc t 131

<210> 46
 <211> 129
 <212> DNA
 <213> Artificial Sequence

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

<400> 46
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc aaagcgtcgg gcgacctttg 60
 gtcgccccggc ctcagtgagc gagcgagcgc gcagagaggg agtggccaac tccatcacta 120
 ggggttcct 129

<210> 47
 <211> 127
 <212> DNA
 <213> Artificial Sequence

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

<400> 47
 cctgcaggca gctgcgcgct cgctcgctca ctgaggccga aacgctgggc gaccttttgt 60
 cgccccggcct cagtgagcga gcgagcgcgc agagagggag tggccaactc catcactagg 120
 ggttcct 127

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

<220>

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

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

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

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

<400> 49
 cgatcgttcg at 12

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

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

<400> 50
 atcgaaccat cg 12

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

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

<400> 51
 atcgaacgat cg 12

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

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

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

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

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

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

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

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

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

<210> 55
<211> 91

<212> DNA
<213> Artificial Sequence

<220>

<221> source

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

<400> 55

gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgccc cgggctttgc 60

ccgggcggcc tcagtgcgagc agcgagcgcg c 91

<210> 56

<211> 1662

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 56

gccgccacca tggaagacgc caaaaacata aagaaaggcc cggcgccatt ctatccgctg 60

gaagatggaa ccgctggaga gcaactgcat aaggctatga agagatacgc cctggttcct 120

ggaacaattg cttttacaga tgcacatatc gaggtggaca tcacttacgc tgagtacttc 180

gaaatgtccg ttcggttggc agaagctatg aaacgatatg ggctgaatac aaatcacaga 240

atcgtcgtat gcagtgaaaa ctctcttcaa ttctttatgc cgggtgttggg cgcgttattt 300

atcggagttg cagttgcgcc cgcgaacgac atttataatg aacgtgaatt gctcaacagt 360

atgggcattt cgcagcctac cgtggtgttc gtttcacaaa aggggttgca aaaaattttg 420

aacgtgcaaa aaaagctccc aatcatcaa aaaattatta tcatggattc taaaacggat 480

taccagggat ttcagtcgat gtacacgttc gtcacatctc atctacctcc cggttttaat 540

gaatacgatt ttgtgccaga gtccttcgat agggacaaga caattgcact gatcatgaac 600

tcctctggat ctactggctc gcctaaaggt gtcgctctgc ctcatagaac tgcctgcgtg 660

agattctcgc atgccagaga tcctatTTTT ggcaatcaaa tcattccgga tactgcgatt 720

ttaagtgttg ttccattcca tcacggTTTT ggaatgttta ctacactcgg atatttgata 780

tgtggatttc gagtgcgtctt aatgtataga tttgaagaag agctgtttct gaggagcctt 840

caggattaca agattcaaag tgcgctgctg gtgccaaccc tattctcctt cttcgccaaa 900

```

agcactctga ttgacaaata cgatttatct aatttacacg aaattgcttc tgggtggcgct      960
cccctctcta aggaagtcgg ggaagcgggt gccaaagaggt tccatctgcc aggtatcagg      1020
caaggatatg ggctcactga gactacatca gctattctga ttacaccga gggggatgat      1080
aaaccgggcg cggtcggtaa agttgttcca ttttttgaag cgaaggttgt ggatctggat      1140
accgggaaaa cgctgggcgt taatcaaaga ggcgaactgt gtgtgagagg tcctatgatt      1200
atgtccgggt atgtaaacia tccggaagcg accaacgcct tgattgacaa ggatggatgg      1260
ctacattctg gagacatagc ttactgggac gaagacgaac acttcttcat cgttgaccgc      1320
ctgaagtctc tgattaagta caaaggctat caggtggctc ccgctgaatt ggaatccatc      1380
ttgctccaac accccaacat cttcgacgca ggtgtcgcag gtcttcccga cgatgacgcc      1440
ggatgaacttc ccgccgccgt tgttgttttg gagcacggaa agacgatgac ggaaaaagag      1500
atcgtggatt acgtcgccag tcaagtaaca accgcgaaaa agttgcgcgg aggagttgtg      1560
tttgtggacg aagtaccgaa aggtcttacc ggaaaactcg acgcaagaaa aatcagagag      1620
atcctcataa aggccaagaa gggcggaaaag atcgccgtgt aa                        1662

```

```

<210> 57
<211> 453
<212> PRT
<213> Artificial Sequence

```

```

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

```

```

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Any amino acid

```

```

<400> 57
Xaa Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1           5           10          15

```

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Tyr
      20           25           30

```

```

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

```

35

40

45

Ala Val Ile Trp Phe Asp Gly Thr Lys Lys Tyr Tyr Thr Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Thr Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Arg Gly Ile Gly Ala Arg Arg Gly Pro Tyr Tyr Met Asp
 100 105 110

Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Ala Ser Thr Lys
 115 120 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly
 130 135 140

Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
 145 150 155 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
 165 170 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
 180 185 190

Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn
 195 200 205

Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro
 210 215 220

Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu
 225 230 235 240

Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp
 245 250 255

Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp
260 265 270

Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly
275 280 285

Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn
290 295 300

Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp
305 310 315 320

Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro
325 330 335

Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu
340 345 350

Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn
355 360 365

Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile
370 375 380

Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr
385 390 395 400

Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys
405 410 415

Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys
420 425 430

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
435 440 445

Ser Leu Ser Pro Gly
450

<211> 214
<212> PRT
<213> Artificial Sequence

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

<400> 58
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Leu
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
195 200 205

Phe Asn Arg Gly Glu Cys
210

<210> 59
<211> 1310
<212> DNA
<213> Artificial Sequence

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

<400> 59
ggagccgaga gtaattcata caaaaggagg gatcgccttc gcaaggggag agcccaggga 60
ccgtccctaa attctcacag acccaaatcc ctgtagccgc cccacgacag cgcgaggagc 120
atgcgctcag ggctgagcgc ggggagagca gagcacacaa gtcatagac cctggctcgtg 180
gggggggagga ccggggagct ggcgcggggc aaactgggaa agcgggtgtcg tgtgctggct 240
ccgccctctt cccgaggggtg ggggagaacg gtatataagt gcggcagtcg ctttgacgt 300
tctttttcgc aacggggttg ccgtcagaac gcaggtgagg ggcggtgtg gcttccgcgg 360
gccgccgagc tggaggtcct gtcgcgagcg ggccgggccc cgctgtcgtc ggcggggatt 420
agctgcgagc attcccgctt cgagttgcgg gcggcgcggg aggcagagtg cgaggcctag 480
cggcaacccc gtagcctcgc ctctgtgtccg gcttgaggcc tagcgtggtg tccgcgccgc 540
cgccgcgtgc tactccggcc gcactctggt cttttttttt tttgttggtt ttgccctgct 600
gccttcgatt gccgttcagc aataggggct aacaaaggga ggggtgcgggg cttgctcgcc 660
cggagcccgg agaggtcatg gttggggagg aatggaggga caggagtggc ggctggggcc 720
cgccgcctt cggagcacat gtccgacgcc acctggatgg ggcgaggcct ggggtttttc 780
ccgaagcaac caggctgggg ttagcgtgcc gaggccatgt ggccccagca cccggcacga 840
tctggcttgg cggcgccgcg ttgccctgcc tccctaacta ggggtaggcc atcccgtccg 900
gcaccagttg cgtgcgtgga aagatggccg ctcccgggcc ctgttgcaag gagctcaaaa 960

tggaggacgc ggcagcccgg tggagcgggc gggtgagtca cccacacaaa ggaagagggc	1020
ctgggtccctc accggctgct gcttcctgtg accccgtggt cctatcggcc gcaatagtca	1080
cctcgggctt ttgagcacgg ctagtcgcgg cggggggagg ggatgtaatg gcgttggagt	1140
ttgttcacat ttgggtgggtg gagactagtc aggccagcct ggcgctggaa gtcatttttg	1200
gaatttgtcc ctttgagttt tgagcggagc taattctcgg gcttcttagc ggttcaaagg	1260
tatcttttaa accctttttt aggtgtttgtg aaaaccaccg ctaattcaaa	1310

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

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

<400> 60	
gcgctcgc tcgctc	16

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

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

<400> 61	
ggttga	6

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

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

<400> 62	
agtt	4

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

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

<400> 63
ggttgg

6

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

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

<400> 64
agttgg

6

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

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

<400> 65
agttga

6

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

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

<400> 66
rrttrr

6

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

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

<400> 67
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 tgatattcct 240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct 300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctgggt gctgtctctt 360
ttagaggagt tgtggcccg tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac 420
gcaaccccc ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct 480
ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgccc ctgctggaca 540
ggggctaggt tgctgggcac tgataattcc gtggtgttgt c 581

<210> 68
<211> 225
<212> DNA
<213> Artificial Sequence

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

<400> 68
tgtgccttct agttgccagc catctgttgt ttgccctcc cccgtgcctt ccttgaccct 60
ggaagggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120
gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg 180
ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc 225

<210> 69
<211> 8
<212> DNA
<213> Artificial Sequence

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

<400> 69
actgaggc

8

<210> 70
<211> 8
<212> DNA
<213> Artificial Sequence

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

<400> 70
gcctcagt

8

<210> 71
<211> 16
<212> DNA
<213> Artificial Sequence

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

<400> 71
gagcgagcga gcgcgc

16

<210> 72
<211> 1923
<212> DNA
<213> Artificial Sequence

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

<400> 72

tcaatattgg ccattagcca tattattcat tggttatata gcataaatca atattggcta	60
ttggccattg catacgttgt atctatatca taatatgtac atttatattg gctcatgtcc	120
aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgccc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttggca gtacatcaag tgtatcatat gccaaagtccg ccccctattg acgtcaatga	420
cggtaaatgg cccgcctggc attatgcca gtacatgacc ttacgggact ttcctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatggtc gaggtgagcc ccacgttctg	540
cttcactctc cccatctccc ccccctcccc accccaatt ttgtatttat ttatTTTTTA	600
attatTTTTgt gcagcgtagg gggcgggggg gggggggggg cgcgcgccag gcggggcggg	660
gcggggcgag gggcggggcg gggcgaggcg gagaggtgcg gcggcagcca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcgggcg cgggggccct ataaaaagcg	780
aagcgcgcg gggcggggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccc	840
ccgcctcgcg ccggccgccc cggctctgac tgaccgcgtt actccacag gtgagcgggc	900
gggacggccc ttctcctccg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
ggctcggggg gtgcgtgcgt gtgtgtgtgc gtggggagcg ccgcgtgcgg cccgcgtgc	1080
ccggcggctg tgagcgtgc gggcgggcg cggggctttg tgcgtccgc agtgtgcgcg	1140
aggggagcgc ggccgggggc ggtgccccgc ggtgcggggg gggctgcgag gggaacaaag	1200
gctgcgtgcg ggggtgtgtc gtgggggggt gagcaggggg tgtgggcgcg gcggtcgggc	1260
tgtaaccccc ccctgcaccc ccctccccga gttgctgagc acggcccggc ttcgggtgcg	1320
gggctccgta cggggcgctg cgcggggctc gccgtgccgg gcgggggggt gcggcaggtg	1380
ggggtgccgg gcggggcggg gccgcctcgg gccggggagg gctcggggga ggggcgcggc	1440
ggccccgga gcgccggcgg ctgtcgaggc gcggcgagcc gcagccattg ctttttatgg	1500
taatcgtgcg agagggcga gggacttcct ttgtcccaaa tctgtgcgga gccgaaatct	1560
gggaggcgcc gccgcacccc ctctagcggg cgcggggcga agcgggtgcg cgccggcagg	1620

aaggaaatgg gcggggaggg ccttcgtgcg tcgccgcgcc gccgtcccct tctccctctc	1680
cagcctcggg gctgtccgcg gggggacggc tgccttcggg ggggacgggg cagggcgggg	1740
ttcggcttct ggcgtgtgac cggcggctct agagcctctg ctaaccatgt tttagccttc	1800
ttctttttcc tacagctcct gggcaacgtg ctggttattg tgctgtctca tcatttgtcg	1860
acagaattcc tcgaagatcc gaaggggttc aagcttggca ttccggtact gttggtaaag	1920
cca	1923

<210> 73

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 73

aggctcagag gcacacagga gtttctgggc tcaccctgcc cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc aactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccata tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgccagggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctattttt agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc aacacccgg ctaatttttt	720
ctatttttga cagggacggg gtttcaccat 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 ctgcttaaata acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt gaatccggac tctaaggtaa atataaaatt	1200
tttaagtgtg taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac	1260
ctttggaact ga	1272

<210> 74

<211> 1177

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 74

ggctcagagg ctgagaggca cacaggagtt tctgggctca ccctgcccc ttccaacccc	60
tcagttccca tcctccagca gctgtttgtg tgctgcctct gaagtccaca ctgaacaaac	120
ttcagcctac tcatgtccct aaaatgggca aacattgcaa gcagcaaaca gcaaacacac	180
agccctccct gcctgctgac cttgggagctg gggcagaggc cagagacctc tctgggcccc	240
tgccacctcc aacatccact cgaccccttg gaatttcggt ggagaggagc agaggttgtc	300
ctggcgtggt ttaggtagtg tgagagggtc cgggttcaaa accacttgct ggggtggggag	360
tcgtcagtaa gtggctatgc cccgaccccg aagcctgttt ccccatctgt acaatggaaa	420
tgataaagac gcccatctga tagggttttt gtggcaaata aacatttggt ttttttgttt	480
tgttttgttt tgttttttga gatggagggt tgctctgtcg cccaggctgg agtgcagtga	540
cacaatctca tctcaccaca accttcccct gcctcagcct cccaagtagc tgggattaca	600
agcatgtgcc accacacctg gctaattttc tatttttagt agagacgggt ttctccatgt	660
tggtcagcct cagcctccca agtaactggg attacaggcc tgtgccacca caccggcta	720
attttttcta tttttgacag ggacgggggt tcaccatgtt ggtcaggctg gtctagaggt	780
accggatctt gctaccagtg gaacagccac taaggattct gcagtgagag cagagggcca	840

gctaagtggg	actctcccag	agactgtctg	actcacgcca	ccccctccac	cttggacaca	900
ggacgctgtg	gtttctgagc	caggtacaat	gactcctttc	ggtaagtgca	gtggaagctg	960
tacactgccc	aggcaaagcg	tccgggcagc	gtaggcgggc	gactcagatc	ccagccagtg	1020
gacttagccc	ctgtttgctc	ctccgataac	tggggtgacc	ttggttaata	ttcaccagca	1080
gcctcccccg	ttgcccctct	ggatccactg	cttaaatacg	gacgaggaca	gggccctgtc	1140
tcctcagctt	caggcaccac	cactgacctg	ggacagt			1177

<210> 75
 <211> 547
 <212> DNA
 <213> Artificial Sequence

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

<400> 75	
ccctaaaatg	ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc 60
tgaccttggg	gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc 120
cactcgaccc	cttgggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag 180
gtagtgtgag	aggggaatga ctcctttcgg taagtgcagt ggaagctgta cactgcccag 240
gcaaagcgtc	cgggcagcgt aggcgggcga ctcagatccc agccagtgga cttagcccct 300
gtttgctcct	ccgataactg gggtgacctt ggttaatat caccagcagc ctccccggtt 360
gccctcttgg	atccactgct taaatacggg cgaggacagg gccctgtctc ctcagcttca 420
ggcaccacca	ctgacctggg acagtgaatc cggactctaa ggtaaataata aaatttttaa 480
gtgtataatg	tgttaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg 540
gaactga	547

<210> 76
 <211> 556
 <212> DNA
 <213> Artificial Sequence

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

polynucleotide"

<400> 76

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

<210> 77

<211> 1179

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 77

ggctccggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggaggggtcg gcaattgaac cgggtgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cttttttccc gaggggtgggg gagaaccgta tataagtgca	180
gtagtgcgag tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtgggt cccgcgggac tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttccacct ggctgcagta cgtgattctt gatcccgagc ttcgggttgg aagtgggtgg	360
gagagttcga ggccttgagc ttaaggagcc ctttcgcctc gtgcttgagt tgaggcctgg	420
cctgggagct ggggagccg cgtgcgaatc tgggtggcacc ttcgcgcctg tctcgctgct	480
ttcgataagt ctctagccat ttaaaatttt tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggt ttttggggcc	600

gcgggcgggcg acggggcccg tgcgtcccag cgcacatgtt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggtctcgcgc cgccgtgtat cgccccgccc tgggcggcaa ggctggcccg gtcggcacca	780
gttgctgag cggaaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840
acgcggcgct cgggagagcg ggcggtgag tcacccacac aaaggaaaag ggcctttccg	900
tcctcagccg tcgcttcatt 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> 78
 <211> 141
 <212> DNA
 <213> Artificial Sequence

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

<400> 78	
aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttgtt	60
cgccatccgg ttggtataaa tagacgttca tggttggttt tgtttcagtt gcaagttggc	120
tgcggcgcgc gcagcacctt t	141

<210> 79
 <211> 317
 <212> DNA
 <213> Artificial Sequence

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

<400> 79	
ggtgtggaaa gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt	60
agtcagcaac caggtgtgga aagtccccag gctccccagc aggcagaagt atgcaaagca	120

tgcatctcaa ttagtcagca accatagtcc cgcccctaac tccgcccatac ccgcccctaa	180
ctccgcccag ttccgcccac tctccgcccc atggctgact aatTTTTTTTT atttatgcag	240
aggccgaggc cgcctcggcc tctgagctat tccagaagta gtgaggaggc ttttttggag	300
gcctaggctt ttgcaaa	317

<210> 80
 <211> 241
 <212> DNA
 <213> Artificial Sequence

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

<400> 80	
gagggcctat ttcccatgat tccttcatat ttgcatatac gatacaaggc tgtttagagag	60
ataattggaa ttaatttgac tgtaaacaca aagatattag tacaaaatac gtgacgtaga	120
aagtaataat ttcttgggta gtttgcagtt ttaaaattat gttttaaaat ggactatcat	180
atgcttaccg taacttgaaa gtatttcgat ttcttggctt tatatatctt gtggaaagga	240
c	241

<210> 81
 <211> 215
 <212> DNA
 <213> Artificial Sequence

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

<400> 81	
gaacgctgac gtcacaaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa	60
cacccagcgc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc	120
tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg	180
gatttgggaa tcgtataaga actgtatgag accac	215

<210> 82
 <211> 546

<212> DNA
<213> Artificial Sequence

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

<400> 82
ccctaaaatg ggcaaacatt gcaagcagca aacagcaaac acacagccct ccctgcctgc 60
tgaccttggg gctggggcag aggtcagaga cctctctggg cccatgccac ctccaacatc 120
cactcgaccc cttggaattt ttcggtggag aggagcagag gttgtcctgg cgtggtttag 180
gtagtgtgag aggggaatga ctcttttcgg taagtgcagt ggaagctgta cactgcccag 240
gcaaagcgtc cgggcagcgt aggcgggcga ctcatatccc agccagtggg cttagcccct 300
gtttgctcct ccgataactg ggggtgacctt ggttaatat caccagcagc ctccccggtt 360
gcccctctgg atccactgct taaatacggg cgaggacagg gccctgtctc ctcatcttca 420
ggcaccacca ctgacctggg acagtgaatc cggactctaa ggtaaatata aaatttttaa 480
gtgtataatg tgtaaacta ctgattctaa ttgtttctct ctttttagatt ccaacctttg 540
gaactg 546

<210> 83
<211> 576
<212> DNA
<213> Artificial Sequence

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

<400> 83
tagtaatcaa ttacgggggtc attagttcat agcccatata tggagttccg cgttacataa 60
cttacggtaa atggcccgcc tggctgaccg cccaacgacc cccgcccatt gacgtcaata 120
atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca atgggtggag 180
tatttacggg aaactgccc cttggcagta catcaagtgt atcatatgcc aagtacgccc 240
cctattgacg tcaatgacgg taaatggccc gcctggcatt atgccagta catgacctta 300
tgggactttc ctacttggca gtacatctac gtattagtca tcgctattac catggtgatg 360
cggttttggc agtacatcaa tgggcgtgga tagcggtttg actcacgggg atttccaagt 420

ctccacccca ttgacgtcaa tgggagtttg ttttggcacc aaaatcaacg ggacttttcca	480
aaatgtcgtgta acaactccgc cccattgacg caaatgggcg gtaggcgtgt acgggtgggag	540
gtctatataa gcagagctgg tttagtgaac cgtcag	576

<210> 84
 <211> 150
 <212> DNA
 <213> Artificial Sequence

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

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

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

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

<400> 85	
ggagccgaga gtaattcata caaaaggagg gatcgccttc gcaaggggag agcccaggga	60
ccgtccctaa attctcacag acccaaatcc ctgtagccgc cccacgacag cgcgaggagc	120
atgcgcccag ggctgagcgc gggtagatca gagcacacaa gtcacagtc cccggcggtg	180
gggggagggg cgcgctgagc gggggccagg gagctggcgc ggggcaaact gggaaagtgg	240
tgtcgtgtgc tggctccgcc ctcttcccga gggtagggga 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 ctcgtgtccg gcttgaggcc	540

tagcgtggtg tccgccgccg cgtgccactc cggccgcact atgcgttttt tgccttgct	600
gccctcgatt gccttcagc agcatgggct aacaaaggga ggggtgtggg ctcactctta	660
aggagcccat gaagcttacg ttggatagga atggaagggc aggaggggcg actggggccc	720
gcccgccttc ggagcacatg tccgacgcca cctggatggg gcgaggcctg tggctttccg	780
aagcaatcgg gcgtgagttt agcctacctg ggccatgtgg ccctagcact gggcacggtc	840
tggcctggcg gtgccgcgtt cccttgccctc ccaacaaggg tgaggccgtc ccgccggca	900
ccagtgtgctt gcgcggaaag atggccgctc ccggggccct gttgcaagga gctcaaatg	960
gaggacgcgg cagcccgggtg gagcgggcgg gtgagtcacc cacacaaagg aagagggcct	1020
tgcccctcgc cggccgctgc ttcctgtgac cccgtggtct atcggccgca tagtcacctc	1080
gggcttctct tgagcaccgc tcgtcgcggc ggggggaggg gatctaattg cgttgagatt	1140
tgttcacatt tgggtgggtgg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttgagtttg gagcgaggct aattctcaag cctcttagcg gttcaaaggt	1260
attttctaaa cccgtttcca ggtgttgtga aagccaccgc taattcaaag caa	1313

<210> 86

<211> 213

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 86

taagatacat tgatgagttt ggacaaacca caactagaat gcagtgaaaa aaatgcttta	60
tttgtgaaat ttgtgatgct attgctttat ttgtaaccat tataagctgc aataaacaag	120
ttaacaacaa caattgcatt cattttatgt ttcaggttca gggggaggtg tgggaggttt	180
tttaaagcaa gtaaaacctc tacaaatgtg gta	213

<210> 87

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

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

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

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

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

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

Ala His Ser

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

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

<400> 89
Met Leu Pro Ser Gln Leu Ile Gly Phe Leu Leu Leu Trp Val Pro Ala
1 5 10 15

Ser Arg Gly

<210> 90
<211> 7
<212> PRT
<213> Simian virus 40

<400> 90
Pro Lys Lys Lys Arg Lys Val

<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
1 5 10 15

Arg Arg Arg Arg Val Glu Val Ser Val Glu Leu Arg Lys Ala Lys Lys
20 25 30

Asp Glu Gln Ile Leu Lys Arg Arg Asn Val
35 40

<210> 97
<211> 8
<212> PRT
<213> Unknown

<220>
<221> source
<223> /note="Description of Unknown:
Myoma T protein sequence"

<400> 97

Val Ser Arg Lys Arg Pro Arg Pro
1 5

<210> 98

<211> 8

<212> PRT

<213> Unknown

<220>

<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
1 5

<210> 100

<211> 12

<212> PRT

<213> Mus musculus

<400> 100

Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
1 5 10

<210> 101

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 101

gcgcgctcgc tcgctcactg aggccgcccc ggaaacccgg gcgtgctgcct cagtgcgcga 60

gcgagcgcgc 70

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

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

<400> 102
gcgcgctcgc tcgctcactg aggcgcacgc ccgggtttcc cgggcggcct cagtgagcga 60

gcgagcgcgc 70

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

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

<400> 103
gcgcgctcgc tcgctcactg aggccgtcgg gcgacctttg gtcgcccggc ctcaagtgagc 60

gagcgagcgc gc 72

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

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

<400> 104
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacggc ctcaagtgagc 60

gagcgagcgc gc 72

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

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

<400> 105
 gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggc ctcagtgagc 60
 gagcgagcgc gc 72

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

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

<400> 106
 gcgcgctcgc tcgctcactg aggccgacgc ccgggctttg cccgggcggc ctcagtgagc 60
 gagcgagcgc gc 72

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

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

<400> 107
 gcgcgctcgc tcgctcactg aggccgcccg ggcaaagccc gggcgtcggg ctttgcccgg 60
 cctcagtgag cgagcgagcg cgc 83

<210> 108
 <211> 83
 <212> DNA
 <213> Artificial Sequence

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

<400> 108
 gcgcgctcgc tcgctcactg aggccgggca aagcccgcg cccgggcttt gcccgggcgg 60
 cctcagttag cgagcgagcg cgc 83

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

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

<400> 109
 gcgcgctcgc tcgctcactg aggccgaaac gtcgggacgac ctttggtcgc ccggcctcag 60
 tgagcgagcg agcgcg 77

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

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

<400> 110
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgtt tcggcctcag 60
 tgagcgagcg agcgcg 77

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

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

<400> 111
 gcgcgctcgc tcgctcactg aggcaaagcc tcagttagcg agcgagcgcg c 51

<210> 112
 <211> 51

<212> DNA
 <213> Artificial Sequence

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

 <400> 112
 gcgcgctcgc tcgctcactg aggctttgcc tcagtgagcg agcgagcgcg c 51

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

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

 <400> 113
 gcgcgctcgc tcgctcactg aggccgcccg ggcgtcgggc gacctttggt cggccggcct 60
 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
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cgggcggcct 60
 cagtgagcga gcgagcgcg 80

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

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

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

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

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

<400> 116
gcgcgctcgc tcgctcactg aggccgggcg accaaaggctc gcccgacgcc cggg'gcctc 60
agtgagcgag cgagcgcgc 79

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

<400> 117
Asp Arg Leu Arg Arg
1 5

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

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

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

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

<210> 120
<211> 10

<212> PRT
<213> Mus musculus

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

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

<400> 121
Lys Arg Lys Gly Asp Glu Val Asp Gly Val Asp Glu Val Ala Lys Lys
1 5 10 15

Lys Ser Lys Lys
20

<210> 122
<211> 17
<212> PRT
<213> Homo sapiens

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

Lys

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

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

<400> 123
gtttaaac

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

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

<400> 125
aataaacgat aacgccgttg gtggcgtgag gcatgtaaaa ggttacatca ttatcttggt 60
cgccatccgg ttggtataaa tagacgttca tgttggtttt tgtttcagtt gcaagttggc 120
tgcggcgcgc gcagcacctt t 141

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

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

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

<210> 127
<211> 72

<212> DNA
<213> Artificial Sequence

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

<400> 127
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacggc ctcagtgagc 60
gagcgagcgc gc 72

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

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

<400> 128
gagacagaca cactcctgct atgggtactg ctgctctggg ttccaggttc cactggtgac 60

<210> 129
<211> 1260
<212> DNA
<213> Adeno-associated virus - 2

<400> 129
atggagctgg tcgggtggct cgtggacaag gggattacct cggagaagca gtggatccag 60
gaggaccagg cctcatacat ctcttcaat gcggcctcca actcgcggtc ccaaatcaag 120
gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg 180
gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaaat tttggaacta 240
aacgggtacg atccccaata tgcggcttcc gtctttctgg gatggggccac gaaaaagtgc 300
ggcaagagga acaccatctg gctgtttggg cctgcaacta ccgggaagac caacatcgcg 360
gaggccatag cccacactgt gcccttctac gggatgcgtaa actggaccaa tgagaacttt 420
cccttcaacg actgtgtcga caagatggtg atctggtggg aggaggggaa gatgaccgcc 480
aaggtcgtgg agtcggccaa agccattctc ggaggaagca aggtgcgcgt ggaccagaaa 540
tgcaagtcct cggcccagat agacccgact cccgtgatcg tcacctcaa caccaacatg 600

tgcgccgtga ttgacgggaa ctcaacgacc ttcgaacacc agcagccgtt gcaagaccgg	660
atgttcaa at ttgaactcac ccgccgtctg gatcatgact ttgggaaggt caccaagcag	720
gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc	780
tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagtgag	840
cccaaacggg tgcgcgagtc agttgcgag ccatcgacgt cagacgcgga agcttcgac	900
aactacgcag acaggtacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg	960
tttccctgca gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga	1020
cagaaagact gtttagagt ctttcccgtg tcagaatctc aaccgtttc tgcgtcaaa	1080
aaggcgtatc agaaactgtg ctacattcat catatcatgg gaaaggtgcc agacgcttgc	1140
actgcctgcg atctggtcaa tgtggatttg gatgactgca tctttgaaca ataaatgatt	1200
taaatcaggt atggctgccg atggttatct tccagattgg ctcgaggaca ctctctctga	1260

<210> 130

<211> 1932

<212> DNA

<213> Adeno-associated virus - 2

<400> 130

atgccgggggt ttacagat tgtgattaag gtccccagcg accttgacga gcatctgccc	60
ggcatttctg acagctttgt gaactgggtg gccgagaagg aatgggagtt gccgccagat	120
tctgacatgg atctgaatct gattgagcag gcacccctga ccgtggccga gaagctgcag	180
cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct tttctttgtg	240
caatttgaga agggagagag ctacttccac atgcacgtgc tcgtggaaac caccggggtg	300
aatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat tcagagaatt	360
taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac cagaaatggc	420
gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt gctcccaaa	480
accagcctg agctccagt ggctggact aatatggaac agtatttaag cgcctgtttg	540
aatctcacgg agcgtaaagc gttgggtggc cagcatctga cgcacgtgtc gcagacgcag	600
gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag atcaaaaact	660
tcagccaggt acatggagct ggtcgggtgg ctcgtggaca aggggattac ctcggagaag	720
cagtggatcc aggaggacca ggcctcatac atctccttca atgcggcctc caactcgcgg	780

tcccaaataca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac taaaaccgcc	840
cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg gatttataaa	900
attttggaac taaacgggta cgatcccaa tatgcggctt ccgtctttct gggatgggcc	960
acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac taccgggaag	1020
accaacatcg cggaggccat agcccacact gtgcccttct acgggtgcgt aaactggacc	1080
aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg ggaggagggg	1140
aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag caaggtgcgc	1200
gtggaccaga aatgcaagtc ctcggcccag atagaccga ctcccgtgat cgtcacctcc	1260
aacaccaaca tgtgcgccgt gattgacggg aactcaacga ccttcgaaca ccagcagccg	1320
ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga ctttgggaag	1380
gtcaccaagc aggaagtcaa agactttttc cggtgggcaa aggatcacgt ggttgaggtg	1440
gagcatgaat tctacgtcaa aaagggtgga gccaaagaaa gaccgcccc cagtgcgcga	1500
gatataagtg agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac gtcagacgcg	1560
gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca cgtgggcatg	1620
aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc aaatatctgc	1680
ttcactcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc tcaaccggtt	1740
tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat gggaaagggtg	1800
ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg catctttgaa	1860
caataaatga tttaaatacag gtatggctgc cgatggttat cttccagatt ggctcgagga	1920
cactctctct ga	1932

<210> 131

<211> 1876

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 131

cgagaccacc atggcgggggt ttacagagat tgtgattaag gtcccagcg accttgacgg	60
---	----

gcatctgccc ggcatttctg acagctttgt gaactgggtg gccgagaagg aatgggagtt	120
gccgccagat tctgacatgg atctgaatct gattgagcag gcaccctga ccgtggccga	180
gaagctgcag cgcgactttc tgacggaatg gcgccgtgtg agtaaggccc cggaggccct	240
tttctttgtg caatttgaga agggagagag ctacttcac atgcacgtgc tcgtggaaac	300
caccggggtg aaatccatgg ttttgggacg tttcctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac tttgccaaac tggttcgcg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaaggt ggtggatgag tgctacatcc ccaattactt	480
gctcccaaaa acccagcctg agctccagtg ggcgtggact aatatggaac agtatttaag	540
cgcctgtttg aatctcacgg agcgtaaacg gttggtggcg cagcatctga cgcacgtgtc	600
gcagacgcag gagcagaaca aagagaatca gaatcccaat tctgatgcgc cggatgatcag	660
atcaaaaact tcagccaggt acatggagct ggtcgggtgg ctctgggaca aggggattac	720
ctcggagaag cagtggatcc agggaggacca ggcctcatac atctccttca atgcggcctc	780
caactcgcg tcccaaatca aggctgcctt ggacaatgcg ggaaagatta tgagcctgac	840
taaaaccgcc cccgactacc tgggtgggcca gcagcccgtg gaggacattt ccagcaatcg	900
gatttataaa attttgaac taaacgggta cgatcccaa tatgcggctt ccgtctttct	960
gggatgggcc acgaaaaagt tcggcaagag gaacaccatc tggctgtttg ggcctgcaac	1020
taccgggaag accaakatcg cggaggccat agcccacact gtgcccttct acgggtgcgt	1080
aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg	1140
ggaggagggg aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag	1200
caaggtgcgc gtggaccaga aatgcaagtc ctcggcccag atagaccga ctcccgtgat	1260
cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga cttcgaaca	1320
ccagcagccg ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga	1380
ctttgggaag gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt	1440
ggttgaggtg gagcatgaat tctacgtcaa aaagggtgga gccaagaaaa gacccgcccc	1500
cagtgcgca gatataagtg agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac	1560
gtcagacgcg gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca	1620
cgtgggcatg aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc	1680

aaatatctgc ttcactcacg gacagaaaga ctgtttagag tgctttcccg tgtcagaatc	1740
tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaagggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 132
 <211> 1194
 <212> DNA
 <213> Artificial Sequence

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

<400> 132	
atggagctgg tcgggtggct cgtggacaag gggattacct cggagaagca gtggatccag	60
gaggaccagg cctcatacat ctcttcaat gcggcctcca actcgcggtc ccaaatacag	120
gctgccttgg acaatgcggg aaagattatg agcctgacta aaaccgcccc cgactacctg	180
gtgggccagc agcccgtgga ggacatttcc agcaatcgga ttataaaaat ttggaacta	240
aacgggtacg atccccaata tgcggcttcc gtctttctgg gatgggccac gaaaaagttc	300
ggcaagagga acaccatctg gctgtttggg cctgcaacta ccgggaagac caacatcgcg	360
gaggccatag cccacactgt gcccttctac gggatgcgtaa actggaccaaa tgagaacttt	420
cccttcaacg actgtgtcga caagatggtg atctggtggg aggaggggaa gatgaccgcc	480
aaggtcgtgg agtcggccaa agccattctc ggaggaagca aggtgcgcgt ggaccagaaa	540
tgcaagtcct cggcccagat agaccgact cccgtgatcg tcacctcaa caccaacatg	600
tgcgccgtga ttgacgggaa ctcaacgacc ttcgaacacc agcagccgtt gcaagaccgg	660
atgttcaaata ttgaactcac ccgccgtctg gatcatgact ttgggaaggt caccaagcag	720
gaagtcaaag actttttccg gtgggcaaag gatcacgtgg ttgaggtgga gcatgaattc	780
tacgtcaaaa aggggtggagc caagaaaaga cccgccccca gtgacgcaga tataagttag	840
cccaaacggg tgcgcgagtc agttgcgcag ccatcgacgt cagacgcgga agcttcgac	900
aactacgcag accgctacca aaacaaatgt tctcgtcacg tgggcatgaa tctgatgctg	960
tttccttgcg gacaatgcga gagaatgaat cagaattcaa atatctgctt cactcacgga	1020

cagaaagact gtttagagtg ctttcccg	tg	tcagaatctc aaccg	tttc	tg	tcgtcaaa	1080
aaggcgtatc agaaactgtg ctacattcat	catatcatgg	gaaaggtgcc	agacg	cttgc		1140
actgcctgcg atctgggtcaa tgtggatttg	gatgactgca	tctttgaaca	ataa			1194

<210> 133
 <211> 1876
 <212> DNA
 <213> Artificial Sequence

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

<400> 133		
cgcagccacc atggcgggggt tttacgagat	tgtgattaag gtccccagcg accttgacgg	60
gcatctgccc ggcatttctg acagctttgt	gaactgggtg gccgagaagg aatgggagtt	120
gccgccagat tctgacatgg atctgaatct	gattgagcag gcacccctga ccgtggccga	180
gaagctgcag cgcgactttc tgacggaatg	gcgccgtgtg agtaaggccc cggaggccct	240
tttctttgtg caatttgaga agggagagag	ctacttcac atgcacgtgc tcgtggaaac	300
caccgggggtg aaatccatgg ttttgggacg	tttctgagt cagattcgcg aaaaactgat	360
tcagagaatt taccgcggga tcgagccgac	tttgccaaac tggttcgcg tcacaaagac	420
cagaaatggc gccggaggcg ggaacaaggt	ggtggatgag tgctacatcc ccaattactt	480
gctcccaaaa acccagcctg agctccagtg	ggcgtggact aatatggaac agtatttaag	540
cgctgtttg aatctcacgg agcgtaaacg	gttgggtggcg cagcatctga cgcacgtgtc	600
gcagacgcag gagcagaaca aagagaatca	gaatcccaat tctgatgcgc cggatgatcag	660
atcaaaaaact tcagccaggt acatggagct	ggtcgggtgg ctcgtggaca aggggattac	720
ctcggagaag cagtggatcc aggaggacca	ggcctcatac atctccttca atgcggcctc	780
caactcgcg tcccaaatca aggctgcctt	ggacaatgcg ggaaagatta tgagcctgac	840
taaaaccgcc cccgactacc tgggtgggcca	gcagcccgtg gaggacattt ccagcaatcg	900
gatttataaa attttggaaac taaacgggta	cgatcccaa tatgcggctt ccgtctttct	960
gggatgggcc acgaaaaagt tcggcaagag	gaacaccatc tggctgtttg ggcctgcaac	1020
taccgggaag accaacatcg cggaggccat	agcccacact gtgcccttct acgggtgcgt	1080

aaactggacc aatgagaact ttcccttcaa cgactgtgtc gacaagatgg tgatctggtg	1140
ggaggagggg aagatgaccg ccaaggtcgt ggagtcggcc aaagccattc tcggaggaag	1200
caaggtgctc gtggaccaga aatgcaagtc ctcgccag atagaccga ctcccgtgat	1260
cgtcacctcc aacaccaaca tgtgcgccgt gattgacggg aactcaacga ctttcgaaca	1320
ccagcagccg ttgcaagacc ggatgttcaa atttgaactc acccgccgtc tggatcatga	1380
ctttgggaag gtcaccaagc aggaagtcaa agactttttc cgggtgggcaa aggatcacgt	1440
ggttgaggtg gagcatgaat tctacgtcaa aaagggtgga gccaagaaaa gacccgcccc	1500
cagtgcgca gatataagt agcccaaacg ggtgcgcgag tcagttgcgc agccatcgac	1560
gtcagacgcg gaagcttcga tcaactacgc agacaggtac caaaacaaat gttctcgtca	1620
cgtgggcatg aatctgatgc tgtttccctg cagacaatgc gagagaatga atcagaattc	1680
aaatatctgc ttcactcacg gacagaaaga ctgttttagag tgctttcccg tgtcagaatc	1740
tcaacccgtt tctgtcgtca aaaaggcgta tcagaaactg tgctacattc atcatatcat	1800
gggaaaggtg ccagacgctt gcactgcctg cgatctggtc aatgtggatt tggatgactg	1860
catctttgaa caataa	1876

<210> 134
 <211> 51
 <212> DNA
 <213> Artificial Sequence

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

<400> 134	
ctaggccgcc cgggcaaagc ccgggcgtcg ggcgacctt ggctgcccgg c	51

<210> 135
 <211> 65
 <212> DNA
 <213> Artificial Sequence

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

<400> 135
ctaggactga ggccgcccgg gcaaagcccg ggcgtcgggc gacctttggt cgcccggcct 60
cagtc 65

<210> 136
<211> 67
<212> DNA
<213> Artificial Sequence

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

<400> 136
ggactgaggc cgcccgggca aagcccgggc gtcgggacac ctttggtcgc ccggcctcag 60
tcctgca 67

<210> 137
<211> 41
<212> DNA
<213> Artificial Sequence

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

<400> 137
gtgcgggcga ccaaaggtcg cccgacgccc gggcgactc a 41

<210> 138
<211> 56
<212> DNA
<213> Artificial Sequence

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

<400> 138
ggactgaggc cgggcgacca aaggtcggc gacggccggg cggcctcagt cctgca 56

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

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

<400> 139
 ctaggactga ggccgcccgg gcgtcgggcg acctttggtc gcccggcctc agtc 54

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

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

<400> 140
 ggactgaggc cgggcgacca aaggtcggcc gacggcctca gtcctgca 48

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

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

<400> 141
 ctaggactga ggccgtcggg cgacctttgg tcgcccggcc tcagtc 46

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

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

<400> 142
 ggactgaggc ccgggcgacc aaaggtcgcc cgacggccgg gctttgcccg ggcgcctcag 60
 tcctgca 67

<210> 143
 <211> 47
 <212> DNA
 <213> Artificial Sequence

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

 <400> 143
 atacctaggc acgcgtgtta ctagttatta atagtaatca attacgg 47

<210> 144
 <211> 29
 <212> DNA
 <213> Artificial Sequence

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

 <400> 144
 atacctaggg gccgcacgcg tggtactag 29

<210> 145
 <211> 42
 <212> DNA
 <213> Artificial Sequence

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

 <400> 145
 atacactcag tgcctgcagg cacgtggtcc ggagatccag ac 42

<210> 146
 <211> 3754
 <212> DNA
 <213> Artificial Sequence

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

 <400> 146
 cctaggtgag cgagcgagcg cgcagagagg gagtggccaa ctccatcact aggggttcct 60

tgtagttaat gattaacccg ccatgctact tatcgcggcc gctcaatatt ggccattagc	120
catattattc attgggtata tagcataaat caatattggc tattggccat tgcatacgtt	180
gtatctatat cataatatgt acatttatat tggctcatgt ccaatatgac cgccatgttg	240
gcattgatta ttgactagtt attaatagta atcaattacg gggtcattag ttcatagccc	300
atatatggag ttccgcgtta cataacttac ggtaaatggc cgcctggct gaccgcccaa	360
cgacccccgc ccattgacgt caataatgac gtatgttccc atagtaacgc caatagggac	420
tttccattga cgtcaatggg tggagtatth acggtaaact gccacttgg cagtacatca	480
agtgtatcat atgccaagtc cgccccctat tgacgtcaat gacggtaaht ggcccgcctg	540
gcattatgcc cagtacatga ccttacggga ctttcctact tggcagtaca tctacgtatt	600
agtcatcgct attaccatgg tcgaggtagag cccacgttc tgcttcactc tccccatctc	660
ccccccctcc ccacccccaa ttttgtatth atthatttht taattattht gtgcagcgat	720
gggggCGggg gggggggggg ggCGCGCGCC aggcggggCG gggCGggggCG aggggCGggg	780
cggggCGagg cggagaggtag cggCGgcagc caatcagagc ggCGcgctcc gaaagtttcc	840
ttttatggcg aggcggcggc ggCGgcggcc ctataaaaag cgaagCGcgC ggCGggcggg	900
agtcgctgcg acgctgcctt cgccccgtgc cccgctccgc cgccgcctcg cgccgcccgc	960
cccggctctg actgaccgcg ttactccac aggtgagcgg gcgggacggc ctttctctc	1020
cgggctgtaa ttagcgcttg gtttaatgac ggcttgtht ttttctgtgg ctgcgtgaaa	1080
gccttgaggg gctccgggag ggcccttht gcggggggga gcggctcggg gggtgcgtgc	1140
gtgtgtgtgt gcgtggggag cgccgcgtgc ggccgcgct gccggcggc tgtgagcgct	1200
gcgggCGcgg cgCGgggctt tgtgcgctcc gcagtgtgcg cgaggggagc gcggccgggg	1260
gcggtgcccc gcggtgcggg gggggctgcg aggggaacaa aggctgcgtg cggggtgtgt	1320
gcgtgggggg gtgagcagg ggtgtgggcg cggcggtcgg gctgtaacc cccctgcac	1380
ccccctcccc gagttgctga gcacggcccc gcttcgggtg cggggctccg tacggggcgt	1440
ggCGcggggc tcgccgtgcc ggCGgggggg tggCGgcagg tgggggtgcc ggCGggggCG	1500
gggCGcctc gggCGggga gggctcgggg gagggcgcg gcggccccg gagCGcggc	1560
ggctgtcgag gcCGggcgag ccgcagccat tgccttht ggtaatcgtg cgagaggcg	1620
cagggacttc ctttgtccca aatctgtgcg gagccgaaat ctgggaggcg ccgCGcacc	1680

ccctctagcg ggcgcggggc gaagcgggtgc ggcgccggca ggaaggaaat gggcgggggag	1740
ggccttcgtg cgtcgccgcg ccgccgtccc cttctccctc tccagcctcg gggctgtccg	1800
cgggggggacg gctgccttcg gggggggacgg ggcagggcgg ggttcggctt ctggcgtgtg	1860
accggcggct ctagagcctc tgctaaccat gttttagcct tcttcttttt cctacagctc	1920
ctgggcaacg tgctggttat tgtgctgtct catcatttgt cgacagaatt cctcgaagat	1980
ccgaaggggt tcaagcttgg cattccggta ctgttggtaa agccagttaa aacgccgcca	2040
ccatggtgag caagggcgag gagctgttca ccgggggtggg gcccatcctg gtcgagctgg	2100
acggcgacgt aaacggccac aagttcagcg tgtccggcga gggcgagggc gatgccacct	2160
acggcaagct gaccctgaag ttcatctgca ccaccggcaa gctgcccgtg ccctggccca	2220
ccctcgtgac caccctgacc tacggcgtgc agtgcttcag ccgctacccc gaccacatga	2280
agcagcacga cttcttcaag tccgccatgc ccgaaggcta cgtccaggag cgcaccatct	2340
tcttcaagga cgacggcaac tacaagacc gcgccgaggt gaagttcgag ggcgacaccc	2400
tggtgaaccg catcgagctg aagggcacg acttcaagga ggacggcaac atcctggggc	2460
acaagctgga gtacaactac aacagccaca acgtctatat catggccgac aagcagaaga	2520
acggcatcaa ggtgaacttc aagatccgcc acaacatcga ggacggcagc gtgcagctcg	2580
ccgaccacta ccagcagaac acccccatcg gcgacggccc cgtgctgctg cccgacaacc	2640
actacctgag caccagtcg gccctgagca aagaccccaa cgagaagcgc gatcacatgg	2700
tcctgctgga gttcgtgacc gccgccggga tcaactctcg catggacgag ctgtacaagt	2760
aattaattaa gagcatctta ccgccattta ttcccatatt tgttctgttt ttcttgattt	2820
gggtatacat ttaaatgtta ataaaacaaa atgggtggggc aatcatttac atttttaggg	2880
atatgtaatt actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg	2940
ttatttacgc tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac	3000
tgatattctt aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct	3060
gtatctagct attgcttccc gtacggcttt cgttttctcc tccttgata aatcctggtt	3120
gctgtctctt ttagaggagt tgtggcccgt tgtccgtcaa cgtggcgtgg tgtgctctgt	3180
gtttgctgac gcaaccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg	3240
gactttcgct ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgcccg	3300

ctgctggaca ggggctaggt tgctgggcac tgataattcc gtggtgttgt ctgtgccttc	3360
tagttgccag ccatctgttg tttgcccctc ccccgtgcct tccttgaccc tggaaggtgc	3420
cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg	3480
tcattctatt ctgggggggtg gggtggggca ggacagcaag ggggaggatt gggaagacaa	3540
tagcaggcat gctggggatg cggtgggctc tatggctcta gagcatggct acgtagataa	3600
gtagcatggc gggttaatca ttaactacac ctgcagcagg aaccctagt gatggagttg	3660
gccactccct ctctgcgcgc tcgctcgtc cctgcaggac tgaggccggg cgaccaaagg	3720
tcgcccgcg cccgggaggc ctcagtcctg cagg	3754

<210> 147

<211> 8418

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 147

ggcagctgcg cgctcgtcg ctcacctagg ccgcccgggc aaagcccggg cgtcgggcga	60
cctttggctcg cccggcctag gtgagcgagc gagcgcgag agagggagtg gccaaactcca	120
tcactagggg ttcctttag ttaatgatta acccgccatg ctacttatcg cggccgctca	180
atattggcca ttagccatat tattcattgg ttatatagca taaatcaata ttggctattg	240
gccattgcat acgttgatc tatatcataa tatgtacatt tatattggct catgtccaat	300
atgaccgcca tgttggcatt gattattgac tagttattaa tagtaatcaa ttacggggtc	360
attagttcat agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc	420
tggctgaccg cccaacgacc ccgcccatt gacgtcaata atgacgtatg ttcccatagt	480
aacgccaata gggactttcc attgacgtca atgggtggag tatttacggt aaactgcca	540
cttggcagta catcaagtgt atcatatgcc aagtccgcc cctattgacg tcaatgacgg	600
taaatggccc gcctggcatt atgcccagta catgacctta cgggactttc ctacttggca	660
gtacatctac gtattagtca tcgctattac catggtcgag gtgagcccca cgttctgctt	720
cactctcccc atctcccc cctccccacc cccaattttg tatttattta ttttttaatt	780

attttgtgca gcgatggggg cggggggggg gggggggcgc gcgccaggcg gggcggggcg	840
gggcgagggg cggggcgggg cgaggcggag aggtgcggcg gcagccaatc agagcggcgc	900
gctccgaaag tttcctttta tggcgaggcg gcggcggcgg cggccctata aaaagcgaag	960
cgcgcggcgg gcgggagtcg ctgcgacgct gccttcgccc cgtgccccgc tccgccgccg	1020
cctcgcgccg cccgccccgg ctctgactga ccgcgttact cccacaggtag agcggggcggg	1080
acggcccttc tcctccgggc tgtaattagc gcttggttta atgacggctt gtttcttttc	1140
tgtggctgcg tgaaagcctt gaggggctcc gggagggccc tttgtgcggg ggggagcggc	1200
tcgggggggtg cgtgcgtgtg tgtgtgcgtg gggagcgccg cgtgcggccc gcgctgcccg	1260
gcggctgtga gcgctgcggg gcggcgcgcg ggctttgtgc gctccgcagt gtgcgcgagg	1320
ggagcgcggc cggggggcggg gccccgcggg gcgggggggg ctgcgagggg aacaaaggct	1380
gcgtgcgggg tgtgtgcgtg ggggggtgag caggggggtgt gggcgcggcg gtcgggctgt	1440
aacccccccc tgcaccccc tccccgagtt gctgagcacg gcccggttc ggggtgcgggg	1500
ctccgtacgg ggcgtggcgc ggggctcgcc gtgccgggcg ggggggtggcg gcagggtgggg	1560
gtgccgggcg gggcggggcc gcctcgggcc ggggagggct cgggggaggg gcgcggcggc	1620
ccccggagcg ccggcggctg tcgaggcgcg gcgagccga gccattgcct tttatggtaa	1680
tcgtgcgaga gggcgaggg acttcctttg tcccaaactc gtgcggagcc gaaatctggg	1740
aggcgccgcc gcaccccctc tagcgggcgc ggggcgaagc ggtgcggcgc cggcaggaag	1800
gaaatgggcg gggagggcct tcgtgcgtcg ccgcgccgcc gtcccccttct ccctctccag	1860
cctcggggct gtccgcgggg ggacggctgc cttcgggggg gacggggcag ggcggggttc	1920
ggcttctggc gtgtgaccgg cggctctaga gcctctgcta accatgtttt agccttcttc	1980
tttttcctac agctcctggg caacgtgctg gttattgtgc tgtctcatca tttgtcgaca	2040
gaattcctcg aagatccgaa ggggttcaag cttggcattc cggtagtggt ggtaaagcca	2100
gtttaaacgc cgccaccatg gtgagcaagg gcgaggagct gttcaccggg gtggtgcccc	2160
tcctggtcga gctggacggc gacgtaaag gccacaagtt cagcgtgtcc ggcgagggcg	2220
agggcgatgc cacctacggc aagctgacct tgaagttcat ctgcaccacc ggcaagctgc	2280
ccgtgccctg gccaccctc gtgaccacct tgacctacgg cgtgcagtgc ttcagccgct	2340
accccgacca catgaagcag cacgacttct tcaagtccgc catgcccga ggctacgtcc	2400

aggagcgcac catcttcttc aaggacgacg gcaactacaa gacccgcgcc gaggtgaagt	2460
tcgagggcgga caccctggtg aaccgcatcg agctgaaggg catcgacttc aaggaggacg	2520
gcaacatcct ggggcacaag ctggagtaca actacaacag ccacaacgtc tatatcatgg	2580
ccgacaagca gaagaacggc atcaaggtga acttcaagat ccgccacaac atcgaggacg	2640
gcagcgtgca gctcgccgac cactaccagc agaacacccc catcggcgac ggccccgtgc	2700
tgctgcccga caaccactac ctgagcaccc agtccgccct gagcaaagac cccaacgaga	2760
agcgcgatca catggtcctg ctggagtctg tgaccgccgc cgggatcact ctcggcattg	2820
acgagctgta caagtaatta attaagagca tcttaccgcc atttattccc atatttgttc	2880
tgtttttctt gatttgggta tacatttaaa tgtaataaa aaaaaatggg ggggcaatca	2940
tttacatttt tagggatatg taattactag ttcaggtgta ttgccacaag acaaacatgt	3000
taagaaactt tcccgttatt tacgctctgt tcctgttaat caacctctgg attacaaaat	3060
ttgtgaaaga ttgactgata ttcttaacta tgttgctcct tttagctgt gtggatatgc	3120
tgctttatag cctctgtatc tagctattgc ttcccgtacg gctttcgttt tctcctcctt	3180
gtataaatcc tgggtgctgt ctcttttaga ggagttgtgg cccgttgtcc gtcaacgtgg	3240
cgtgggtgtgc tctgtgtttg ctgacgcaac cccactggc tggggcattg ccaccacctg	3300
tcaactcctt tctgggactt tcgctttccc cctcccgatc gccacggcag aactcatcgc	3360
cgcctgcctt gcccgtgct ggacaggggc taggttgctg ggactgata attccgtggt	3420
gttgtctgtg ctttctagtt gccagccatc tgttgtttgc ccctccccg tgccttcctt	3480
gaccctggaa ggtgccactc ccactgtcct ttcctaataa aatgaggaaa ttgcatcgca	3540
ttgtctgagt aggtgtcatt ctattctggg ggggtggggtg gggcaggaca gcaaggggga	3600
ggattgggaa gacaatagca ggcatgctgg ggatgcggtg ggctctatgg ctctagagca	3660
tggtctagta gataagtagc atggcgggtt aatcattaac tacacctgca gcaggaaccc	3720
ctagtgatgg agttggccac tccctctctg cgcgctcgct cgctccctgc aggactgagg	3780
ccgggcgacc aaaggtcgcc cgacgccgg gcggcctcag tcctgcaggg agcgagcgag	3840
cgcgcagctg cctgcacggg cgcgccggta ccgggagatg ggggaggcta actgaaacac	3900
ggaaggagac aataccggaa ggaacccgcg ctatgacggc aataaaaaga cagaataaaa	3960
cgcacgggtg ttgggtcgtt tgttcataaa cgcggggttc ggtcccaggg ctggcactct	4020

gtcgataccc caccgagacc ccattgggac caatacgccc gcgtttcttc cttttcccca	4080
ccccaacccc caagttcggg tgaaggccca gggctcgcag ccaacgtcgg ggcggaagc	4140
cctgccatag ccactacggg tacgtaggcc aaccactaga actatagcta gagtcctggg	4200
cgaacaaacg atgctcgcct tccagaaaac cgaggatgcg aaccacttca tccggggtca	4260
gcaccaccgg caagcgccgc gacggccgag gtctaccgat ctcctgaagc cagggcagat	4320
ccgtgcacag caccttgccg tagaagaaca gcaaggccgc caatgcctga cgatgcgtgg	4380
agaccgaaac cttgcgctcg ttcgccagcc aggacagaaa tgcctcgact tcgctgctgc	4440
ccaaggttgc cgggtgacgc acaccgtgga aacggatgaa ggcacgaacc cagttgacat	4500
aagcctgttc ggttcgtaaa ctgtaatgca agtagcgtat gcgctcacgc aactgggtcca	4560
gaaccttgac cgaacgcagc ggtggtaacg gcgcagtggc ggttttcatg gcttgttatg	4620
actgtttttt tgtacagtct atgcctcggg catccaagca gcaagcgctg tacgccgtgg	4680
gtcgatgttt gatgttatgg agcagcaacg atgttacgca gcagcaacga tgttacgcag	4740
cagggcagtc gccctaaaac aaagttaggt ggctcaagta tgggcatcat tcgcacatgt	4800
aggctcggcc ctgaccaagt caaatccatg cgggctgctc ttgatctttt cggtcgtgag	4860
ttcggagacg tagccaccta ctccaacat cagccggact ccgattacct cgggaacttg	4920
ctccgtagta agacattcat cgcgcttgct gccttcgacc aagaagcggg tgttggcgct	4980
ctcgcggctt acgttctgcc caggtttgag cagccgcgta gtgagatcta tatctatgat	5040
ctcgcagtct ccggcgagca ccggaggcag ggcatcgcca ccgcgctcat caatctcctc	5100
aagcatgagg ccaacgcgct tgggtgcttat gtgatctacg tgcaagcaga ttacggtgac	5160
gatcccgagc tggctctcta taaaagtgtt ggcatacggg aagaagtgat gcactttgat	5220
atcgacccaa gtaccgccac ctaacaattc gttcaagccg agatcggctt cccggccgcg	5280
gagttgttcg gtaaattgtc acaacgccgc gaatatagtc ttaccatgc cttggccac	5340
gcccctcttt aatacgacgg gcaatttgca cttcagaaaa tgaagagttt gctttagcca	5400
taacaaaagt ccagtatgct ttttcacagc ataactggac tgatttcagt ttacaactat	5460
tctgtctagt ttaagacttt attgtcatag tttagatcta ttttgttcag ttttaagactt	5520
tattgtccgc ccacaccgc ttacgcaggg catccattta ttactcaacc gtaaccgatt	5580
ttgccagggtt acgcgggtgg tctgcggtgt gaaataccgc acagatgcgt aaggagaaaa	5640

taccgcatca ggcgctcttc cgcttcctcg ctactgact cgctgcgctc ggtcgttcgg	5700
ctgcggcgag cggtatcagc tcactcaaag gcggtataac ggttatccac agaatcaggg	5760
gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag	5820
gccgcgttgc tggcgttttt ccataggctc cgccccctg acgagcatca caaaaatcga	5880
cgctcaagtc agaggtggcg aaacccgaca ggactataaa gataccaggc gtttccccct	5940
ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata cctgtccgcc	6000
tttctccctt cggaagcgt ggcgctttct caatgctcac gctgtaggta tctcagttcg	6060
gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac ccccgttca gcccgaccgc	6120
tgcgccttat ccgtaacta tcgtcttgag tccaaccgga taagacacga cttatcgcca	6180
ctggcagcag ccactggtaa caggattagc agagcgaggt atgtaggcgg tgctacagag	6240
ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct	6300
ctgctgaagc cagttacctt cggaaaaaga gttggtagct cttgatccgg caaacaacc	6360
accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaagga	6420
tctcaagaag atcctttgat cttttctacg gggctctgacg ctcaagtggaa cgaaaactca	6480
cgtaaggga ttttggtcat gagattatca aaaaggatct tcacctagat ctttttaaat	6540
taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac	6600
caatgcttaa tcagtgggc acctatctca gcgatctgtc tatttcgttc atccatagtt	6660
gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt	6720
gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag	6780
ccagccggaa gggccgagcg cagaagtggc cctgcaactt tatccgcctc catccagtct	6840
attaattgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacgtt	6900
gttgccattg ctacaggcat cgtggtgtca cgctcgtcgt ttggtatggc ttcatcagc	6960
tccggttccc aacgatcaag gcgagttaca tgatcccca tgttggtgcaa aaaagcggtt	7020
agtcctttcg gtcctccgat cgttgctcaga agtaagtgg ccgcagtgtt atcactcatg	7080
gttatggcag cactgcataa ttctcttact gtcatgcat ccgtaagatg cttttctgtg	7140
actggtgagt actcaaccaa gtcattctga gaatagtgtg tgcggcgacc gagttgctct	7200
tgcccgcgct caatacggga taataccgcg ccacatagca gaactttaaa agtgctcatc	7260

attgaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt	7320
tcgatgtaac ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt	7380
tctgggtgag caaaaacagg aaggcaaat gccgcaaaa agggaataag ggcgacacgg	7440
aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat	7500
tgtctcatga gcggatacat atttgaatgt atttagaaaa ataaacaaat aggggttccg	7560
cgcacatttc cccgaaaagt gccacctgaa attgtaaacg ttaatatatt gttaaaattc	7620
gcgttaaatt tttgttaaatt cagctcattt tttaaccaat aggccgaaat cggcaaaatc	7680
ccttataaat caaaagaata gaccgagata gggttgagt ttgttccagt ttggaacaag	7740
agtccactat taaagaacgt ggactccaac gtcaaagggc gaaaaaccgt ctatcagggc	7800
gatggccac tacgtgaacc atcacctaata tcaagttttt tggggtcgag gtgccgtaaa	7860
gcactaaatc ggaaccctaata agggagcccc cgatttagag cttgacgggg aaagccggcg	7920
aacgtggcga gaaaggaagg gaagaaagcg aaaggagcgg gcgctagggc gctggcaagt	7980
gtagcgggtca cgctgcgcgt aaccaccaca cccgccgcgc ttaatgcgcc gctacagggc	8040
gcgtccatt cgccattcag gctgcaaata agcgttgata ttcagtcaat tacaacatt	8100
aataacgaag agatgacaga aaaattttca ttctgtgaca gagaaaaagt agccgaagat	8160
gacggtttgt cacatggagt tggcaggatg tttgattaaa aacataacag gaagaaaaat	8220
gccccgctgt gggcggacaa aatagttggg aactgggagg ggtggaaatg gagtttttaa	8280
ggattattta gggaagagtg acaaaataga tgggaactgg gtgtagcgtc gtaagctaata	8340
acgaaaatta aaaatgacaa aatagtttgg aactagattt cacttatctg gttcggatct	8400
cctagtgagc tccctgca	8418

<210> 148

<211> 225

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 148

tgtgccttct agttgccagc catctgttgt ttgccctcc cccgtgcctt ccttgacct	60
---	----

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

<210> 149
 <211> 1177
 <212> DNA
 <213> Artificial Sequence

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

<400> 149	
ggctcagagg ctcagaggca cacaggagtt tctgggctca ccctgcccc ttccaacccc	60
tcagttccca tcctccagca gctgtttgtg tgctgcctct gaagtccaca ctgaacaaac	120
ttcagcctac tcatgtccct aaaatgggca aacattgcaa gcagcaaaca gcaaacacac	180
agccctccct gcctgctgac cttggagctg gggcagaggt cagagacctc tctgggcccc	240
tgccacctcc aacatccact cgacccttg gaatttcggg ggagaggagc agaggttgtc	300
ctggcggtgg ttaggtagt tgagagggtc cgggttcaaa accacttgct ggggtggggag	360
tcgtcagtaa gtggctatgc cccgaccccg aagcctgttt ccccatctgt acaatggaaa	420
tgataaagac gcccattga tagggttttt gtggcaaata aacatttggt ttttttggtt	480
tgttttggtt tgttttttga gatggagggt tgctctgtcg cccaggctgg agtgcagtga	540
cacaatctca tctcaccaca accttcccct gcctcagcct cccaagtagc tgggattaca	600
agcatgtgcc accacacctg gctaattttc tatttttagt agagacgggt ttctccatgt	660
tggtcagcct cagcctccca agtaactggg attacaggcc tgtgccacca caccggcta	720
attttttcta tttttgacag ggacgggggt tcaccatggt ggtcaggctg gtctagaggt	780
accggatctt gctaccagt gaacagccac taaggattct gcagtgagag cagagggcc	840
gctaagtggg actctcccag agactgtctg actcacgcca cccctccac cttggacaca	900
ggacgctgtg gtttctgagc caggtacaat gactcctttc ggtaagtga gtggaagctg	960
tacactgccc aggcaaagcg tccgggcagc gtaggcgggc gactcagatc ccagccagt	1020
gacttagccc ctgtttgctc ctccgataac tggggtgacc ttggttaata ttcaccagca	1080

gcctcccccg ttgcccctct ggatccactg cttaaatacg gacgaggaca gggccctgtc	1140
tcctcagctt caggcaccac cactgacctg ggacagt	1177

<210> 150
 <211> 1326
 <212> DNA
 <213> Artificial Sequence

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

<400> 150	
ctgcagggcc cactagtgga gccgagagta attcatacaa aaggagggat cgccttcgca	60
aggggagagc ccagggaccg tccctaaatt ctcacagacc caaatccctg tagccgcccc	120
acgacagcgc gaggagcatg cgcccagggc tgagcgcggg tagatcagag cacacaagct	180
cacagtcccc ggcggtgggg ggaggggagc gctgagcggg ggccaggag ctggcgcggg	240
gcaaactggg aaagtgggtg cgtgtgctgg ctccgccctc ttcccgaggg tgggggagaa	300
cggtatataa gtgcggtagt cgccttggac gttctttttc gcaacgggtt tgccgtcaga	360
acgcaggtga gtggcgggtg tggcttccgc gggccccgga gctggagccc tgctctgagc	420
gggccgggct gatatgcgag tgtcgtccgc agggtttagc tgtgagcatt cccacttcga	480
gtggcgggag gtgcgggggt gagagtgcga ggcctagcgg caaccccgta gcctcgcctc	540
gtgtccggct tgaggcctag cgtgggtgtc gccgccgcgt gccactccgg ccgcactatg	600
cgttttttgt ccttgctgcc ctcgattgcc ttccagcagc atgggctaac aaaggaggag	660
tgtggggctc actcttaagg agcccatgaa gcttacgttg gataggaatg gaagggcagg	720
aggggagcact ggggccccgc cgccttcgga gcacatgtcc gacgccacct ggatggggcg	780
aggcctgtgg ctttccgaag caatcgggag tgagtttagc ctacctgggc catgtggccc	840
tagcactggg cacggtctgg cctggcgggt ccgcgttccc ttgcctcca acaagggtga	900
ggccgtcccc cccggcacca gttgcttgcg cggaagatg gccgctcccc gggccctggt	960
gcaaggagct caaaatggag gacgcggcag cccggtggag cgggcgggtg agtcaccac	1020
acaaaggaag agggccttgc ccctcgccgg ccgctgcttc ctgtgacccc gtggtctatc	1080
ggccgcatag tcacctcggg cttctcttga gcaccgctcg tcgcggcggg gggaggggat	1140

ctaattggcgt tggagtttgt tcacatttgg tgggtggaga ctagtcaggc cagcctggcg	1200
ctggaagtca ttcttggaat ttgccccctt gagtttggag cgaggctaatt tctcaagcct	1260
cttagcgggt caaaggtatt ttctaaaccc gtttccaggt gttgtgaaag ccaccgctaa	1320
ttcaaa	1326

<210> 151
 <211> 573
 <212> DNA
 <213> Mus musculus

<400> 151 gtaagagttt tatgtttttt catctctgct tgtatttttc tagtaatgga agcctgggtat	60
tttaaaatag ttaaattttc ctttagtgct gatttctaga ttattattac tgttgttgtt	120
gttattattg tcattatttg catctgagaa cccttaggtg gttatattat tgatatattt	180
ttggtatctt tgatgacaat aatgggggat tttgaaagct tagcttttaa tttcttttaa	240
ttaaaaaaaa atgctaggca gaatgactca aattacgttg gatacagttg aatttattac	300
ggtctcatag ggcctgcctg ctcgaccatg ctatactaaa aattaaaagt gtgtgttact	360
aattttataa atggagtttc catttatatt tacctttatt tcttatttac cattgtctta	420
gtagatattt acaaactga cagaaacact aaatcttgag tttgaatgca cagatatataa	480
cacttaacgg gttttaaaaa taataatgtt ggtgaaaaaa tataactttg agtgtagcag	540
agaggaacca ttgccacctt cagattttcc tgt	573

<210> 152
 <211> 1993
 <212> DNA
 <213> Mus musculus

<400> 152 acgatcggga actggcatct tcaggagta gcttaggtca gtgaagagaa gaacaaaaag	60
cagcatatta cagttagttg tcttcatcaa tctttaaata tgttggtgtg ttttctctc	120
cctgtttcca cagacaagag tgagatcgcc catcggtata atgatttggg agaacaacat	180
ttcaaaggcc tgtaagttat aatgctgaaa gccacttaa tatttctggt agtattagtt	240
aaagttttaa aacacctttt tccaccttga gtgtgagaat thtagagcag tgctgtccag	300
tagaaatgtg tgcatgaca gaaagactgt ggatctgtgc tgagcaatgt ggcagccaga	360

gatcacaagg ctatcaagca ctttgcacat ggcaagtgtg actgagaagc acacattcaa	420
ataatagtta attttaattg aatgtatcta gccatgtgtg gctagtagct cctttcctgg	480
agagagaatc tggagcccac atctaacttg ttaagtctgg aatcttattt tttatttctg	540
gaaaggctta tgaactatag ttttgggggc agctcactta ctaactttta atgcaataag	600
atctcatggg atcttgagaa cattattttg tctctttgta gtactgaaac cttatacatg	660
tgaagtaagg ggtctatact taagtcacat ctccaacctt agtaatgttt taatgtagta	720
aaaaaatgag taattaattt atttttagaa ggtcaatagt atcatgtatt ccaaataaca	780
gaggtatatg gttagaaaag aaacaattca aaggacttat ataatatcta gccttgacaa	840
tgaataaatt tagagagtag tttgcctgtt tgcctcatgt tcataaatct attgacacat	900
atgtgcatct gcacttcagc atggtagaag tccatattcc tttgcttgga aaggcaggtg	960
ttcccattac gcctcagaga atagctgacg ggaagaggct ttctagatag ttgtatgaaa	1020
gatatacaaa atctcgcagg tatacacagg catgatttgc tggttgggag agccacttgc	1080
ctcactactga ggTTTTTgtg tctgcttttc agagtcctga ttgccttttc ccagtatctc	1140
cagaaatgct catacagatga gcatgccaaa ttagtgcagg aagtaacaga ctttgcaaag	1200
acgtgtgttg ccgatgagtc tgccgccaac tgtgacaaat cccttgtgag taccttctga	1260
ttttgtggat ctactttcct gctttctgga actctgtttc aaagccaatc atgactccat	1320
cacttaaggc cccgggaaca ctgtggcaga gggcagcaga gagattgata aagccagggt	1380
gatgggaatt ttctgtggga ctccatttca tagtaattgc agaagctaca atacactcaa	1440
aaagtctcac cacatgactg cccaaatggg agcttgacag tgacagtgac agtagatatg	1500
ccaaagtgga tgagggaaag accacaagag ctaaaccctg taaaaagaac tgtaggcaac	1560
taaggaatgc agagagaaga agttgccttg gaagagcata ccaactgcct ctccaatacc	1620
aatggtcac cctaaaacat acgtatgaat aacatgcaga ctaagcaggc tacatttagg	1680
aatatacatg tatttacata aatgtatatg catgtaacaa caatgaatga aaactgaggt	1740
catggatctg aaagagagca agggggctta catgagaggg tttggaggga ggggttgag	1800
ggagggaggt attattcttt agttttacag ggaacgtagt aaaaacatag gcttctccca	1860
aaggagcaga gcccatgagg agctgtgcaa ggttccccag cttgatttta cctgctcctc	1920
aaattccctt gatttgTTTT tattataatg actttactcc tagcttttag tgtcagatag	1980

<210> 153

<211> 1350

<212> DNA

<213> Homo sapiens

<400> 153

taggaggctg aggcaggagg atcgcttgag cccaggagtt cgagaccagc ctgggcaaca	60
tagtgtgatc ttgtatctat aaaaataaac aaaattagct tgggtgtggtg gcgcctgtag	120
tccccagcca cttggagggg tgaggtgaga ggattgcttg agcccgggat ggtccaggct	180
gcagtgagcc atgatcgtgc cactgcactc cagcctgggc gacagagtga gaccctgtct	240
cacaacaaca acaacaaca caaaaaggct gagctgcacc atgcttgacc cagtttctta	300
aaattgttgt caaagcttca ttcactccat ggtgctatag agcacaagat tttatttggt	360
gagatggtgc tttcatgaat tcccccaaca gagccaagct ctccatctag tggacaggga	420
agctagcagc aaaccttccc ttcactacaa aacttcattg cttggccaaa aagagagtta	480
attcaatgta gacatctatg taggcaatta aaaacctatt gatgtataaa acagtttgca	540
ttcatggagg gcaactaaat acattctagg actttataaa agatcacttt ttatttatgc	600
acagggtgga acaagatgga ttatcaagtg tcaagtccaa tctatgacat caattattat	660
acatcggagc cctgccaaaa aatcaatgtg aagcaaatcg cagcccgct cctgcctccg	720
ctctactcac tgggtgttcat ctttggtttt gtgggcaaca tgctggtcat cctcatcctg	780
ataaactgca aaaggctgaa gagcatgact gacatctacc tgctcaacct ggccatctct	840
gacctgtttt tccttcttac tgtccccttc tgggctcact atgctgccgc ccagtgggac	900
tttggaata caatgtgtca actcttgaca gggctctatt ttataggctt cttctctgga	960
atcttcttca tcatcctcct gacaatcgat aggtacctgg ctgtcgtcca tgctgtgttt	1020
gctttaaaag ccaggacggt cacctttggg gtggtgacaa gtgtgatcac ttgggtggtg	1080
gctgtgtttg cgtctctccc aggaatcatc tttaccagat ctcaaaaaga aggtcttcat	1140
tacacctgca gctctcattt tccatacagt cagtatcaat tctggaagaa tttccagaca	1200
ttaaagatag tcatcttggg gctggctcctg ccgctgcttg tcatggtcac ctgctactcg	1260
ggaatcctaa aaactctgct tcggtgtcga aatgagaaga agaggcacag ggctgtgagg	1320

cttatcttca ccatcatgat tgtttatttt 1350

<210> 154

<211> 1223

<212> DNA

<213> Homo sapiens

<400> 154

tgacagagac tcttgggatg acgcactgct gcatcaaccc catcatctat gcctttgtcg	60
gggagaagtt cagaaactac ctcttagtct tcttcacaaa gcacattgcc aaacgcttct	120
gcaaagtctg ttctattttc cagcaagagg ctcccagcgc agcaagctca gtttacaccc	180
gatccactgg ggagcaggaa atatctgtgg gcttgtgaca cggactcaag tgggctggtg	240
accagtcag agttgtgcac atggccttagt tttcatacac agcctgggct ggggggtgggg	300
tgggagaggt cttttttaaa aggaagttac tgttatagag ggtctaagat tcatccattt	360
atttggcatc tgtttaaagt agattagatc ttttaagccc atcaattata gaaagccaaa	420
tcaaaatatg ttgatgaaaa atagcaacct ttttatctcc ccttcacatg catcaagtta	480
ttgacaaact ctcccttcac tccgaaagtt ccttatgtat atttaaaaga aagcctcaga	540
gaattgctga ttcttgagtt tagtgatctg aacagaaata ccaaattat ttcagaaatg	600
tacaactttt tacctagtac aaggcaacat ataggttgta aatgtgttta aaacaggtct	660
ttgtcttgct atggggagaa aagacatgaa tatgattagt aaagaaatga cacttttcat	720
gtgtgatttc ccctccaagg tatggttaat aagtttcact gacttagaac caggcgagag	780
acttgtggcc tgggagagct ggggaagctt cttaaagtag aaggaatttg agttggatca	840
tctattgctg gcaaagacag aagcctcact gcaagcactg catgggcaag cttggctgta	900
gaaggagaca gagctggttg ggaagacatg gggaggaagg acaaggctag atcatgaaga	960
accttgacgg cattgctccg tctaagtcac gagctgagca gggagatcct ggttggtggt	1020
gcagaaggtt tactctgtgg ccaaaggagg gtcaggaagg atgagcattt agggcaagga	1080
gaccaccaac agccctcagg tcagggtgag gatggcctct gctaagctca aggcgtgagg	1140
atgggaagga gggaggtatt cgtaaggatg ggaaggaggg aggtattcgt gcagcatatg	1200
aggatgcaga gtcagcagaa ctg	1223

<210> 155

<211> 215

<212> DNA
<213> Artificial Sequence

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

<400> 155
gaacgctgac gtcacatcaacc cgctccaagg aatcgcgggc ccagtgtcac taggcgggaa 60
caccagcgc gcgtgcgccc tggcaggaag atggctgtga gggacagggg agtggcgccc 120
tgcaatattt gcatgtcgct atgtgttctg ggaaatcacc ataaacgtga aatgtctttg 180
gatttgggaa tcttataagt tctgtatgag accac 215

<210> 156
<211> 141
<212> DNA
<213> Artificial Sequence

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

<400> 156
cctgcaggca gctgcgcgct cgctcgctca cctaggccgc ccgggcaaag cccgggcgtc 60
gggcgacctt tggctgcccc gcctaggtga gcgagcgagc gcgcagagag ggagtggcca 120
actccatcac taggggttcc t 141

<210> 157
<211> 19
<212> DNA
<213> Artificial Sequence

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

<400> 157
gcgcgctcgc tcgctcacc 19

<210> 158
<211> 22
<212> DNA
<213> Artificial Sequence

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

<400> 158
 ctaggtgagc gagcgagcgc gc 22

<210> 159
 <211> 75
 <212> DNA
 <213> Artificial Sequence

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

<400> 159
 cctgcaggac tgaggccgcc cgggcaaagc ccgggcgtcg ggcgaccttt ggtcgcccgg 60
 cctcagtcct gcagg 75

<210> 160
 <211> 130
 <212> DNA
 <213> Artificial Sequence

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

<400> 160
 aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagt 60
 gcgggcgacc aaaggtcgcc cgacgcccgg gcgcactcag tgagcgagcg agcgcgagc 120
 tgcctgcagg 130

<210> 161
 <211> 142
 <212> DNA
 <213> Artificial Sequence

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

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

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

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

<400> 162
gcgcgctcgc tcgctcactg agtgcgggcg accaaaggtc gcccgcgcc cgggcgcact 60
cagtgcgcga gcgagcgcg 80

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

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

<400> 163
gcgcgctcgc tcgctcactg a 21

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

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

<400> 164
gtgagcgagc gagcgcg 18

<210> 165
<211> 89

<212> DNA
 <213> Artificial Sequence

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

 <400> 165
 gcgcgctcgc tcgctcactg aggccgccc ggcaaagccc gggcgtcggg cgactttgtc 60

 gcccggcctc agtgagcgag cgagcgcgc 89

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

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

 <400> 166
 gcgcgctcgc tcgctcactg aggccgggcg acaaagtcgc ccgacgccc ggctttgccc 60

 gggcggcctc agtgagcgag cgagcgcgc 89

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

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

 <400> 167
 gcgcgctcgc tcgctcactg aggccgccc ggcaaagccc gggcgtcggg cgattttcgc 60

 ccggcctcag tgagcgagcg agcgcgc 87

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

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

oligonucleotide"

<400> 168

gcgcgctcgc tcgctcactg aggccgggcg aaaatcgccc gacgcccggg ctttgcccgg 60

gcggcctcag tgagcgagcg agcgcgc 87

<210> 169

<211> 85

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 169

gcgcgctcgc tcgctcactg aggccgcccc ggcaaagccc gggcgtcggg cgtttcgccc 60

ggcctcagt agcgagcgag cgcgc 85

<210> 170

<211> 85

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 170

gcgcgctcgc tcgctcactg aggccgggcg aaacgcccga cgcccgggct ttgcccgggc 60

ggcctcagt agcgagcgag cgcgc 85

<210> 171

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 171

gcgcgctcgc tcgctcactg aggccgcccc ggaaacccgg gcgtcgggcg acctttggtc 60

gcccggcctc agtgagcgag cgagcgcgc 89

<210> 172
<211> 89
<212> DNA
<213> Artificial Sequence

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

<400> 172
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cgggtttccc 60

gggcggcctc agtgagcgag cgagcgcgc 89

<210> 173
<211> 87
<212> DNA
<213> Artificial Sequence

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

<400> 173
gcgcgctcgc tcgctcactg aggccgcccg gaaaccgggc gtcgggacgc ctttggtcgc 60

ccggcctcag tgagcgagcg agcgcgc 87

<210> 174
<211> 87
<212> DNA
<213> Artificial Sequence

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

<400> 174
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgacgcc cggtttccgg 60

gcggcctcag tgagcgagcg agcgcgc 87

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

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

<400> 175
 gcgcgctcgc tcgctcactg aggccgcccg aaacgggCGT cgggcgacct ttggtcgccc 60
 ggCctcagtG agcgagcgag cgCgc 85

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

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

<400> 176
 gcgcgctcgc tcgctcactg aggccgggCG accaaaggTC gcccGacgCC cgtttcgggc 60
 ggCctcagtG agcgagcgag cgCgc 85

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

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

<400> 177
 gcgcgctcgc tcgctcactg aggccgcccA aaggGcgTCg ggcGaccttT ggtcgcccgg 60
 cctcagtGag cgagcgagCG cgC 83

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

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

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

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

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

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

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

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

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

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

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

<400> 181
 gcgcgctcgc tcgctcactg aggccgcaaa gcgtcgggcg acctttggtc gcccggcctc 60
 agtgagcgag cgagcgcgcg 79

<210> 182
<211> 79
<212> DNA
<213> Artificial Sequence

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

<400> 182
gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcgct ttgcggcctc 60
agtgagcgag cgagcgcg 79

<210> 183
<211> 81
<212> DNA
<213> Artificial Sequence

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

<400> 183
ctgcgcgctc gctcgctcac tgaggccgaa acgtcgggcg acctttggtc gcccggcctc 60
agtgagcgag cgagcgcgca g 81

<210> 184
<211> 81
<212> DNA
<213> Artificial Sequence

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

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

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

<220>

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

<400> 185
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcggc ctcagtgagc 60
 gagcgagcgc gc 72

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

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

<400> 186
 gcgcgctcgc tcgctcactg aggccgggcg accaaaggtc gcccgcggc cgggcggcct 60
 cagtgagcga gcgagcgcgc 80

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

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

<400> 187
 gcgcgctcgc tcgctcactg aggcgcccgg gcgtcgggcg acctttggtc gcccggcctc 60
 agtgagcgag cgagcgcgc 79

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

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

<400> 188
 ggagtcaaag ttctgtttgc cctgatctgc atcgctgtgg ccgaggcc 48

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

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

<400> 189
attcatacca acttgaagaa aaagttcagc ctcttcatcc tggcttttct cctgttcgca 60

gtcatctgtg tttggaagaa agggagcgac tatgaggcc 99

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

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

<400> 190
gccccctctcc ctcccccccc cctaacgtta ctggccgaag ccgcttgga taaggccggt 60

gtgcgtttgt ctatatgtta ttttccacca tattgccgtc ttttggcaat gtgagggccc 120

ggaaacctgg ccctgtcttc ttgacgagca ttcctagggg tctttcccct ctcgcaaag 180

gaatgcaagg tctgttgaat gtcgtgaagg aagcagttcc tctggaagct tcttgaagac 240

aaacaacgtc tgtagcgacc ctttgcaggc agcggaaacc cccacctggc gacaggtgcc 300

tctgcggcca aaagccacgt gtataagata cacctgcaaa ggcggcacaa ccccagtgcc 360

acgttgtgag ttggatagtt gtggaaagag tcaaattggct ctcctcaagc gtattcaaca 420

aggggctgaa ggatgcccag aaggtacccc attgtatggg atctgatctg gggcctcggt 480

gcacatgctt tacatgtgtt tagtcgaggt taaaaaacg tctaggcccc ccgaaccacg 540

gggacgtggt tttcctttga aaaacacgat gataatatgg ccacaacc 588

<210> 191

<400> 191
000

<210> 192

<400> 192
000

<210> 193

<400> 193
000

<210> 194

<400> 194
000

<210> 195

<400> 195
000

<210> 196

<400> 196
000

<210> 197

<400> 197
000

<210> 198

<400> 198
000

<210> 199

<400> 199
000

<210> 200

<211> 278

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 200

tcgaggtgag cccacagttc tgcttcactc tccccatctc cccccctcc ccacccccaa 60

ttttgtatattt atttatatttt taattatattt gtgcagcgat gggggcgggg gggggggggg 120

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 gtgaccttg ttaatatcca ccagcagcct 300

ccccgttgc 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

cagtcctga gaagttgggg ggaggggtgg gcaattgaac tggtgcctag agaaggtggg	120
gcttgggtaa actgggaaag tgatgtggtg tactggctcc acctttttcc ccagggtggg	180
ggagaaccat atataagtgc 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 ttagagttac ttattctcct tttgttgact aagtcaataa tcagaatcag	120
caggtttggg gtcagcttgg cagggatcag cagcctgggt tggaaggagg gggtataaaa	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 aactgggggtg	60
accttgggta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat	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 taatctcctt aggcaagggtt	60
catattgact taggttactt attctccttt tgttgactaa 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 taatctcctt aggcaagggtt	60
catatttgtg taggttactt attctccttt tgttgactaa 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

gttcaagcga ttctcctgcc tcagcctccc aagtagctgg gactacaggc acgtgccacc	60
atgcccggct aattttttgt atttttagta gaggaggagt ttcattttgt tagctaggat	120
ggcttagatc tcctgacctc gtgatctgcc cgcctcagcc tcccaaagtg ctgggattac	180
aggtgtgagc caccgtgccc ggccatattt tgatttataa ttttagcaata atagataaaa	240
ttttcaatca actaagccct tgggccaggg aatgctattc cttaaaaagt gcttttatca	300
atatagcctc tgactcatta ctttgtaaatt ttttaaattg tatttcattc ctgattaaca	360

ttcccaccca gattattaat tatacaatct gttaactgta gaacctcaaa catgttggat	420
tgtactgtat ttgtctggaa gacacatttt taaaacattg taatcgctat aagagaagca	480
ctgggaaaga aaggagcttc tatgcctgca gtgcctgagg agccctttaa cagtgtgccc	540
cggccctaag ctactcatgc agtcatcccc atcccagtta gtcaacttta ttcaaaaaa	600
cttggtggtc caaatttttc cttctcaaag cccacagatc caaaattcat cagcagttcc	660
cacaaacgtt accctcacia tgaatccagc cttttttcac cctctccagt ggtaccatca	720
tagcccaagc cgccaccatt tctcaccccc ggттаacagg ccaccctcct tctaccctta	780
tcctgctaga gtttgtttta tctacagtga tcagaaagat cagcctaaaa gataattctg	840
atcaccaccc tcctctactc acaaccggc cgtgtctccc cattgccctc agtgtagaag	900
tcaatgtccc ttgctgaaa tgcaacctta gtgaaacttt ccatgactaa cctcctttaa	960
aattgcaacc tgggtccacc ttactcccc ttaccctact tctctttttt gcacagcact	1020
tattttacct tctaacatac tgtataatgt actcatgtat tgtaattatt gcttatcatc	1080
cctctttcag ttgcttatat ttttcatcaa tgtgtacca gtgcctagga caatatctgt	1140
ctaggacaaa tgggtagtta tgtggctgta ggcaagccat ttaacctctc tgtacctcag	1200
ttactttatc tgtatccact ttgcggtgtt gtcagtagga ttaaatacaga tagcctatgt	1260
gtagcacctg gcagtgaatt tatcacctg tactgttaact gtctactttt ctgtctcctc	1320
cattggactg tcattcccag ggggttggga actgggattt cttcatttct gaggcataga	1380
agtatagcat agtggttagg agcatgactt ctggagccag agtacatggg tttgaatgct	1440
accactcaca agctgtgtgg ccatggagaa gttgcctaac ctctccgtgc ttcagtttca	1500
tcaccataa aatgaaggta agaatagtac ctgtatttaa aagcacctag aacagttcct	1560
ggcatatagt gtcagctgtc atctctgcat cttgtacct gtcagagagg agtgtttatc	1620
aaaggggctt cttgctgcct gtttccaaac cagtcgacaa tataccaatt gtcacctaac	1680
acattcttgt ttgtgcagaa ctgagctcaa tgataacatt tttatagcaa ccctgatcaa	1740
gtttcttctc ataatctctt acactttgag gccctgcag gggccctcac tctcccta	1800
aaacattaac ctgagtaggg tgtttgagct caccatggct acattctgat gtaaagagat	1860
atatcctata cctgggcca atgtaaacag cctggaaaag tgttaggtta aaaacaaac	1920
aaaataaata aatgaataaa tgccaggtgg ttatgagtgc tattgagaaa aatgaagcca	1980

agagggatat cagtgatgca ggtgggggta aagagcttac aacataaatg tgggtgttcca	2040
tatttaaacc tcattcaaca gggaagattg gagctgaaat gtgaaggagt tgtgggagtg	2100
gaactacgtg gaaatctggg ggaaagggtgt tttgggtaaa agaaatagca agtgttgagg	2160
tccaggggca tgagtgtgct tgatatttta gggaagagta aggagaccag tataaccaga	2220
gtgagatgag actacagagg tcaggagaaa gggcatgcag accatgtggg atgctctagg	2280
acctaggcca tggtaaagat gtagggtttt accctgatgg aggtcagaag ccattggagg	2340
attctgagaa gaggagtgc aggactcgct ttatagtttt aaattataac tataaattat	2400
agtttttaaa acaatagttg cctaacctca tgttatatgt aaaactacag ttttaaaaac	2460
tataaattcc tcatactggc agcagtgtga ggggcaaggg caaaagcaga gagactaaca	2520
ggttgctggg tactcttgct agtgcaagtg aattctagaa tcttcgacaa catccagaac	2580
ttctcttgct gctgccactc aggaagaggg ttggagtagg ctaggaatag gagcacaat	2640
taaagctcct gttcactttg acttctccat ccctctcctc ctttccttaa aggttctgat	2700
taaagcagac ttatgcccct actgctctca gaagtgaatg ggttaagttt agcagcctcc	2760
cttttgctac ttcagttctt cctgtggctg cttccactg ataaaaagga agcaatccta	2820
tcggttactg cttagtgtg agcacatcca gtgggtaaag ttccttaaaa tgctctgcaa	2880
agaaattggg acttttcatt aaatcagaaa ttttactttt ttcccctcct gggagctaaa	2940
gatatttttag agaagaatta accttttgct tctccagttg aacatttgta gcaataagtc	3000

<210> 208

<211> 205

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 208

aatgactcct ttcggtaagt gcagtggaag ctgtacactg cccaggcaaa gcgtccgggc	60
agcgtaggcg ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat	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
gatcttgcta ccagtggaac agccactaag gattctgcag tgagagcaga gggccagcta 60
agtggctactc tcccagagac tgtctgactc acgccacccc ctccaccttg gacacaggac 120
gctgtgggttt ctgagccagg tacaatgact cctttcggta 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
cctttgagaa tccacggtgt ctcgatgcag tcagctttct aacaagctgg ggcctcacct 60
gttttcccac ggataaaaac gtgctggagg aagcagaaag gggctggcag gtggaaagat 120
gaggaccagc tcatcgtctc atgactatga ggttgctctg atccagaggg tccccctgcc 180
tggtggccca ccgccaggaa gactcccact gtccctggat gccagagtg ggatgtcaac 240
tccatcactt atcaactcct tatccatagg ggtattcttc ctgaggcgtc tcagaaaaca 300
gggccctccc catatgctga ccacataata gaaccctcc caactcagag accctggctg 360
ctagctgccc tggcatgacc cagacagtgg cttttgtata tgtttttaga ctcaccttga 420
ctcacctctg accatagaaa ctctcatccc agaggtcact gcaatagtta ctccacaaca 480

gaggcttatc tgggtagagg gaggctccct acctatggcc cagcagccct gacagtgcag	540
atcacatata ccccacgccc cagcactgcc tgccacgcat gggcttactt tacaccacc	600
cacagtcacc aacacattac ctgctctcca aggttaggcg tggcaggaga agtttgcttg	660
gaccagcaga aaccatgcag tcaaggacaa ctggagtcag catgggctgg gtgcgagccc	720
ttggtgggggt ggggaggaga ctccaggtca tacctcctgg aggatgtttt aatcatttcc	780
agcatggaat gctgtcaact tttgccacag attcattagc tctgagtttc ttttttctgt	840
ccccagctac cccttacatg tcaatatgga cttaatgatg ggaaattcag gcaagttttt	900
aaacatttta ttccccctgg ctcttatcct caaaaaatgc atgaatttgg aggcagtggc	960
tcatgcctgt aatcccaatg ctttgctagg ttgaggcggg aggatcactt gaagccagga	1020
atttgagacc agcctggggc gcatagttag accccgtttc tacaaaaata aataaataaa	1080
taataaataa tagtgatatg aagcatgatt aaatagccct attttttaaa atgcatgagt	1140
tcgttacctg attcattccc tggttccttt cacagtcctc cgtgaccxaa gtgttagggt	1200
tttggctctc ctactatttg taggctgata tatagtatac acacacacac acacacacat	1260
atacacacac acagtgtatc ttgagctttc ttttgtatat ctacacacat atgtataaga	1320
aagctcaaga tatagaagcc ctttttcaaa aataactgaa agtttcaaac tctttaagtc	1380
tccagttacc attttgctgg tattcttatt tggaaccata cattcatcat attgttgcac	1440
agtaagacta tacattcatt attttgctta aacgtatgag ttaaaacact tggccaggca	1500
tgggtggttca cacctgtaat ccagagctt tgggaagcca agactggcag atctcttgag	1560
ctcaggaatt caagaccagc ctgggcaaca tggaaaaacc ccatctctac aaaagataga	1620
aaaattagcc aggcattggtg gcgtgtgcct gtggtcccag ctactcagga ggctgaggtg	1680
ggaggatcac attagcccag gaggttgagg ctgcagtgag ccgtgattat gccactgcac	1740
tccagcctgg gagacagagt gagaccctgt ttcaaaaaaa agagagagaa aatttaaaaa	1800
agaaaacaac accaagggtc gtaactttaa ggtcattaaa tgaattaatc actgcattca	1860
aaaacgatta ctttctggcc ctaagagaca tgaggccaat accaggaagg gggttgatct	1920
cccaaaccag aggcagaccc tagactctaa tacagttaag gaaagaccag caagatgata	1980
gtccccaata caatagaagt tactatattt tatttgttgt ttttcttttg ttttgttttg	2040
ttttgttttg ttttgtttta gagactgggg tcttgctcga ttgccaggc tgtagtgcag	2100

cggtgggaca atagctcact gcagactcca actcctgggc tcaagcaatc ctctgcctc	2160
agcctcctga atagctggga ctacaagggt acaccatcac acacacaaa acaatttttt	2220
aaatttttgt gtagaaacga gggctcttgct ttgttgccca ggctgggtctc caactcctgg	2280
cttcaaggga tcctcccacc tcagcctccc aaattgctgg gattacaggt gtgagccacc	2340
acaaccagcc agaactttac taattttaaa attaagaact taaaacttga atagctagag	2400
caccaagatt tttctttgtc cccaaataag tgcagttgca ggcatagaaa atctgacatc	2460
tttgcaagaa tcatcgtgga tgtagactct gtcctgtgtc tctggcctgg tttcggggac	2520
caggagggca gacccttgca ctgccaagaa gcatgccaaa gttaatcatt ggccctgctg	2580
agtacatggc cgatcaggct gtttttgtgt gcctgttttt ctattttacg taaatcaccc	2640
tgaacatgtt tgcacaaacc tactgggtgat gcaccttga tcaatacatt ttagacaaac	2700
gtgggtttttg agtccaaaga tcagggtctgg gttgacctga atactggata cagggcata	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 cggcccccttg	60
gaggaagggg ccgggcagaa tgatctaatac 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"

<400> 212

gaatgactcc tttcggtaag 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"

<400> 213

ggctccgggtg cccgtcagtg ggcagagcgc acatcgccca cagtccccga gaagttgggg	60
ggagggggtcg gcaattgaac cgggtgcctag agaaggtggc gcggggtaaa ctgggaaagt	120
gatgtcgtgt actggctccg cttttttccc gaggggtgggg gagaaccgta tataagtga	180
gtagtgcgag tgaacgttct ttttcgcaac gggtttgccg ccagaacaca ggtaagtgcc	240
gtgtgtgggt cccgcggggc tggcctcttt acgggttatg gcccttgctg gccttgaatt	300
acttcacact ggctgcagta cgtgattctt gatcccgagc ttcgggttg aagtgggtgg	360
gagagttcga ggccttgctg ttaaggagcc ctttcgcctc gtgcttgagt tgaggcctgg	420
cctgggctgct ggggcccgcg cgtgcgaatc tgggtggcacc ttcgcgcctg tctcgtgct	480
ttcgataagt cttagccat ttaaaatttt tgatgacctg ctgcgacgct ttttttctgg	540
caagatagtc ttgtaaatgc gggccaagat ctgcacactg gtatttcggt ttttggggcc	600
gcgggctggcg acggggcccg tgcgtcccag cgcacatgtt cggcgaggcg gggcctgcga	660
gcgcggccac cgagaatcgg acgggggtag tctcaagctg gccggcctgc tctggtgcct	720
ggtctcgcgc cgccgtgtat cgccccgccc tgggctggcaa ggctggccc gtcggcacca	780
gttgctgag cggaagatg gccgcttccc ggccctgctg caggagctc aaaatggagg	840

acgcggcgct cgggagagcg ggcgggtgag tcacccacac aaaggaaaag ggcctttccg	900
tcctcagccg tcgcttcgat tgactccacg gagtaccggg cgccgtccag gcacctgat	960
tagttctcga gcttttggag tacgtcgtct ttaggttggg gggaggggtt ttatgcgatg	1020
gagtttcccc aactgagtg ggtggagact gaagttaggc cagcttggca cttgatgtaa	1080
ttctccttgg aatttgcct 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 cttccagggt ccgaccccat agcaggactt cttggatttc tacagccagt	240

cagttgcaag cagcacccaa attatttcta taagaagtgg caggagctgg atctgaagag	300
tcagcagtct acctttccct gtttcttggt ctttatgcag tcaggaggaa tgatctggat	360
tccatgtgaa gcctgggacc acggagaccc aagacttcct gcttgattct ccctgcgaac	420
tgaggctgt gggctgagcc ttcaagaagc aggagtcccc tctagccatt aactctcaga	480
gctaacctca tttgaatggg aacactagtc ctgtgatgtc tggaagggtg gggcctctac	540
actccacacc ctacatgggt gtccagacac atcattccca gcattagaaa gctctagggg	600
gacccgttct gttccctgag gcattaaagg gacatagaaa taaatctcaa gctctgaggc	660
tgatgccagc ctgagactca gcctctgcac tgtatgggcc aattgtagcc ccaaggactt	720
cttcttgctg cacccttat ctgtccacac ctaaaacgat gggcttctat tagttacaga	780
actctctggc ctgttttggt ttgctttgct ttgttttggt ttgttttttt gtttttttgt	840
tttttagcta tgaaacagag gtaatatcta atacagataa cttaccagta atgagtgcct	900
cctacttact ggggtactggg aagaagtgc ttacacatat tttctcattt aatctacaca	960
ataagtaatt aagacatttc cctgaggcca cgggagagac agtggcagaa cagttctcca	1020
aggaggactt gcaagttaat aactggactt tgcaaggctc tgggtggaaac 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 gaaaaacca ttggagccaa gtacactgac tcaataggga ctttccattg	60
--	----

ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc	120
---	-----

caagtacatt gagtcaatag ggactttcca atgggttttg cccagtacat aaggtcaatg	180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgccagta cataaggtca ataggggtga atcaacagga aagtcccatt	300
ggagccaagt acactgagtc 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 catagtcca	660
ctagtggaga agagcatgct tgagggtga gtgccctca gtgggcagag agcacatggc	720
ccacagtccc tgagaagttg gggggagggg tgggcaattg aactggtgcc tagagaaggt	780
ggggcttggg taaactggga aagtgatgtg gtgtactggc tccacctttt tccccagggt	840
gggggagaac catatataag tgcagtagtc tctgtgaaca ttc	883

<210> 217

<211> 639

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 217

gggcctgaaa taacctctga aagaggaact tggtaggta cttctgagg ctgaaagaac	60
cagctgtgga atgtgtgtca gttagggtgt ggaaagtccc caggctcccc agcaggcaga	120
agtatgcaaa gcatgcatct caattagtca gcaaccagggt gtggaaagtc cccaggctcc	180
ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccacta	240
gtggagaaga gcatgcttga gggctgagtg cccctcagtg ggcagagagc acatggccca	300
cagtccttga gaagttgggg ggaggggtgg gcaattgaac tgggtgcctag 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 ttgggtgtaca 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 cccttccaac ccctcagttc	60
ccatcctcca gcagctgttt gtgtgctgcc tctgaagtcc acactgaaca aacttcagcc	120
tactcatgtc cctaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg 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 gcctgtgcc caacacccgg ctaatTTTTT	720
ctatTTTTga caggacggg gtttcacat gttggtcagg ctggtctaga ggtactggat	780
cttgctacca gtggaacagc cactaaggat tctgcagtga gagcagaggg ccagctaagt	840
ggtactctcc cagagactgt ctgactcacg ccacccctc caccttggac acaggacgct	900
gtggtttctg agccaggtac aatgactcct ttcggtaagt gcagtggaag ctgtacactg	960
cccaggcaaa gcgtccgggc agcgtaggcg ggcgactcag atcccagcca gtggacttag	1020
cccctgtttg ctctccgat aactggggtg accttggtta atattcacca gcagcctccc	1080

ccgttgcccc tctggatcca ctgcttaa	acggacgagg acagggccct gtctcctcag	1140
cttcaggcac caccactgac ctgggacagt	gaataattac tctaaggtaa atataaaatt	1200
tttaagtgta 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	aacagcaaac acacagccct ccctgcctgc	60
tgaccttgga gctggggcag aggtcagaga	cctctctggg cccatgccac ctccaacatc	120
cactcgaccc cttggaattt ttcggtggag	aggagcagag gttgtcctgg cgtggtttag	180
gtagtgtgag aggggaatga ctcctttcgg	taagtgcagt ggaagctgta cactgcccag	240
gcaaagcgtc cgggcagcgt aggcgggcga	ctcagatccc agccagtgga cttagcccct	300
gtttgctcct ccgataactg gggtgacctt	ggttaatat caccagcagc ctccccggtt	360
gcccctctgg atccactgct taaatacggg	cgaggacagg gccctgtctc ctcagcttca	420
ggcaccacca ctgacctggg acagtgaatc	cggactctaa ggtaaataata aaatttttaa	480
gtgtataatg tgttaaacta 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 tttaaaccct ccagctctga caatcctctt tctcttttgt	420
tttacatgaa gggctctggca gccaaagcaa tcaactcaaag ttcaaacctt atcatttttt	480
gctttgttcc tcttggcctt ggttttgtac atcagctttg aaaataccat cccagggtta	540
atgctggggg taatttataa ctaagagtgc tctagttttg caatacagga catgctataa	600
aaatggaaag atctcctgaa gaggtaaggg ttttaaggat 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 ctaccttga catcatttcc tctgcgaatg catgtataat ttctacagaa	60
cctattagaa aggatcaccc agcctctgct tttgtacaac tttcccttaa aaaactgcca	120
attccactgc tgtttggccc aatagtgaga actttttcct gctgcctctt ggtgcttttg	180
cctatggccc ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc	240
agctctgaca atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc	300
actcaaagtt caaaccttat ctttttttgc tttgttcctc ttggccttgg ttttgtacat	360
cagctttgaa aataccatcc cagggttaat gctgggggtta 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 ggcgtgggtt 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 tggtgctttt gcctatggcc cctattctgc	420
ctgctgaaga cactcttgcc agcatggact taaaccctc cagctctgac aatcctcttt	480
ctcttttgtt ttacatgaag ggtctggcag ccaaagcaat cactcaaagt tcaaacctta	540
tcattttttg ctttgttcct cttggccttg gttttgtaca tcagctttga aaataccatc	600
ccagggttaa tgctgggggtt 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 cacagtccct gagaagttgg ggggaggggt gggcaattga actggtgcct	420
agagaagggtg gggcttgggt aaactgggaa agtgatgtgg tgtactggct ccaccttttt	480
ccccagggtg 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 cccagtacat aaggtcaatg	180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatgggtt ttgcccagta cataagggtca atagggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggtt ttccattggg ttttgcccag taaaaaggt	360
caataggggg tgagtcaatg ggtttttccc 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 gagggtccc cagtgggcag	780
agagcacatg gcccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactggtg	840
cctagagaag gtggggcctg ggtaaaactg 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 ccaatgacct ctgccaatg	60
atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat	120
gggtggagta ttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag	180
tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg cccagtacat	240

gaccttatgg gactttccta cttggcagta catctatgta ttagtcattg ctattaccat	300
gggagtcaat gggaaaaacc cattggagcc aagtacactg actcaatagg gactttccat	360
tgggttttgc ccagtacata aggtcaatag ggggtgagtc aacaggaaag tcccattgga	420
gccaagtaca ttgagtcaat agggactttc caatgggttt tgcccagtac ataaggtcaa	480
tgggaggtaa gccaatgggt ttttcccat 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 cttgagggt gagtgcccct cagtgggcag	780
agagcacatg gccacagtc cctgagaagt tggggggagg ggtgggcaat tgaactggtg	840
cctagagaag gtggggcttg ggtaaactgg gaaagtgatg tggtgtactg 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
ttggccattg catacgttgt atctatatca taatatgtac atttatattg gtcacatgtcc	120
aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgcc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttggca gtacatcaag tgtatcatat gccaagtccg cccctattg acgtcaatga	420
cggtaaatgg cccgcctggc attatgcca 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 gagagggtgc gcggcgacca atcagagcgg	720
cgcgctccga aagtttcctt ttatggcgag gcggcgggcg cgggcgccct ataaaaagcg	780
aagcgcgcg gcggcgggag tcgctgcgac gctgccttcg ccccggtgcc cgctccgccg	840
ccgcctcgcg ccgcccggc cggtctgac tgaccgcgtt actcccacag gtgagcgggc	900
gggacggccc ttctcctccg ggctgtaatt agcgcttggg ttaatgacgg cttgtttctt	960
ttctgtggct gcgtgaaagc cttgaggggc tccgggaggg ccctttgtgc gggggggagc	1020
ggctcggggg gtgcgtgcgt gtgtgtgtgc gtggggagcg ccgcgtgcgg ccgcgctgc	1080
ccggcgggtg 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 cggggcggtg cgcggggctc gccgtgccgg gcgggggggt gcggcaggtg	1380
ggggtgccgg gcggggcggg gccgcctcgg gccggggagg gctcggggga ggggcgcggc	1440
ggcccccgga gcgccggcgg ctgtcgaggc gcggcgagcc gcagccattg ctttttatgg	1500
taatcgtgcg agagggcgca gggacttcct ttgtcccaa 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 aagcttgga 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 agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttccccatc tgtacaatgg aaatgataaa	420
gacgcccac tcataggggtt tttgtggcaa ataaacattt ggTTTTTTTg ttttgttttg	480
TTTTGTTTT 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 cagggaagg 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 aactggggtg accttggtta atattcacca gcagcctccc	1080
ccgttgcccc tctggatcca ctgcttaa atcgacgagg 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 cccagtacat aaggtcaatg	180
ggaggtaagc caatggggtt ttcccattac tgacatgtat actgagtcac tagggacttt	240
ccaatggggtt ttgcccagta cataagggtca atagggggtga atcaacagga aagtcccatt	300
ggagccaagt aactgagtc aatagggtact ttccattggg ttttgcccag taaaaaggt	360
caataggggg tgagtcaatg ggtttttccc attattggca catacataag gtcaataggg	420
gtgactagtg gagaagagca tgcttgaggg ctgagtggcc ctgagtgagg agagagcaca	480
tggcccacag tccctgagaa gttgggggga ggggtgggca attgaactgg tgcctagaga	540
aggtggggct tgggtaaact gggaaagtga tgtggtgtac tggctccacc tttttccca	600
gggtggggga gaaccatata taagtgcagt agtctctgtg aacattcaag cttctgcctt	660
ctccctcctg tgagtttggg aagtcactga ctgtctatgc ctgggaaagg gtgggcagga	720
gatggggcag tgcaggaaaa gtggcactat gaaccctgca gccctagaca attgtactaa	780
ccttcttctc tttcctctcc tgacagggtg 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 agtgttccga	120
tactctaadc tccctaggca aggttcatat ttgtgtaggt tacttattct cttttgttg	180

actaagtcaa taatcagaat cagcaggttt ggagtcagct tggcagggat cagcagcctg	240
ggttggaagg aggggggtata aaagcccctt caccaggaga agccgtcaca cagatccaca	300
agctcctgaa gaggtaaggg tttaagggat ggttggttgg 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 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 ctccgccccca ttgacgcaaa	540
tgggcggtag gcgtgtacgg tgggaggtct atataagcag agctctcttg ctaactagag	600
aaccctactgc ttactggctt atcgaaatta atacgactca ctataggag 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 tggtaggta 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 tggcccgctt	300
ggcattatgc ccagtacatg accttatggg actttcctac ttggcagtac atctacgtat	360
tagtcatcgc tattaccatg actagttcca gatggtaaata atacacaagg gatttagtca	420
aacaatTTTT tggcaagaat attatgaatt ttgtaatcgg ttggcagcca atgaaataca	480
aagatgagtc tagttaataa tctacaatta ttggttaaag aagtatatta gtgctaattt	540
ccctccgttt gtcctagctt ttctcttctg tcaacccac acgcctttgg cacc	594

<210> 235

<211> 1210

<212> DNA

<213> Artificial Sequence

<220>

<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
ggcccgctgc tcataagact cggccttaga accccagtat cagcagaagg acattttagg	180
acgggacttg ggtgactcta gggcactggg tttctttcca gagagcgga caggcgagga	240
aaagtagtcc cttctcggcg attctgcgga gggatctccg tggggcggtg aacgccgatg	300
attatataag gacgcgccgg gtgtggcaca gctagttccg tcgcagccgg gatttgggtc	360
gcggttcttg tttgtggatc gctgtgatcg tcacttggtg agtagcgggc tgctgggctg	420
gccggggctt tcgtggccgc cgggccgctc ggtgggacgg aagcgtgtgg agagaccgcc	480
aagggtgta gtctgggtcc gcgagcaagg ttgccctgaa ctgggggttg gggggagcgc	540

agcaaaatgg cggctgttcc cgagtcttga atggaagacg cttgtgaggc gggctgtgag	600
gtcgttgaaa caaggtgggg ggcatggtgg gcggcaagaa cccaaggtct tgaggccttc	660
gctaatacggg gaaagctctt attcgggtga gatgggctgg ggcaccatct ggggaccctg	720
acgtgaagtt tgtcactgac tggagaactc ggtttgtcgt ctgttgcggg ggcggcagtt	780
atgcggtgcc gttgggcagt gcacccgtac ctttgggagc gcgcgccctc gtcgtgtcgt	840
gacgtcaccc gttctgttgg cttataatgc aggggtggggc cacctgccgg taggtgtgcg	900
gtaggctttt ctccgtcgca ggacgcaggg ttcgggccta gggtaggctc tcctgaatcg	960
acaggcgccg gacctctggt gaggggaggg ataagtgagg cgtcagtttc tttggtcggt	1020
tttatgtacc tatcttctta agtagctgaa gctccggttt tgaactatgc gtcgggggtt	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 ggttgagaag ggggtggagga tgcacctggg	60
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
ttttctattt tgtttatttt attttatttt tttatttatt gagacagagt ctctgtcacc	420
caggctgggg tgcagtgatg cgacattggc ttactgcagt ctccacctcc tgggctcagg	480
tgatcctccc acctcagcct cccgaatagc tgggatcaca gtagtgcacc accatacctg	540

gctaattttt ttgtattttt tgtacagaca aaatttcacc acattgccc	ggctggtctc	600	
gaactcctgg actcaagcga tccgcccacc tcagcctccc aaagtgctcg	gattacaggc	660	
atgagccact atgcccagcc ttgctcttcc tttaaagcct cctgtccttc	cccaggtccc	720	
cagttcatag caggatcaaa ggtcactggg cgctcacccc gtcttcaaga	tgctctttcc	780	
tatgtcactg cttacgccc ggtcagatgt gactagagcc taaggagctc	ccacctccct	840	
ctctgtgctg ggactcacag agggagacct caggaggcag tctgtccatc	acatgtccaa	900	
atgcagagca taccctgggc tgggcgcagt ggcgcacaa	tgtaattcca gcactttggg	960	
aggctgatgt ggaaggatca cttgagccc	gaagttctag accagcctgg gcaacatggc	1020	
aagaccctat ctctacaaaa aaagttaaaa aatcagccac	gtgtggtgac acacacctgt	1080	
agtcccagct attcaggagg ctgagggtgag gggatcactt	aaggctggga gggtgaggct	1140	
gcagtgagtc gtggttgcgc cactgcactc cagcctgggc	aacagtgaga ccctgtctca	1200	
aaagacaaaa aaaaaaaaaa aaaaaaaaaag aacatattcct	ggtgtggagt aggggacgct	1260	
gctctgacag aggctcgggg gcctgagctg gctctgtgag	ctggggagga ggcagacagc	1320	
caggccttgt ctgcaagcag acctggcagc attgggctgg	ccgccccca gggcctcctc	1380	
ttcatgccc	gtgaatgact caccttgga cagacacaat gttcggggtg	ggcacagtgc	1440
ctgcttccc	ccgcaccca gccccctca aatgccttc	gagaagcca ttgagcaggg	1500
ggcttgcat	gcacccagc ctgacagcct ggcattcttg	gataaaagca gcacagcccc	1560
ctaggggctg	cccttgctgt gtggcgccac cggcgggtga	gaacaaggct ctattcagcc	1620
tgtgcccagg	aaaggggatc aggggatgcc caggcatgga	cagtgggtgg caggggggga	1680
gaggagggt	gtctgcttcc cagaagtcca aggacacaaa	tgggtgaggg gactgggcag	1740
ggttctgacc	ctgtgggacc agagtggagg gcgtagatgg	acctgaagtc tccagggaca	1800
acagggccca	ggtctcaggc tcctagttag gccagtggc	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 agggctggtg tccaatccca 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 ctcagccctt	2640
tccttccttt ttaattgatg cataataatt gtaagtattc atcatggtcc aaccaaccct	2700
ttcttgacct accttcctag agagagggtc ctcttgcttc agcggtcagg gccccagacc	2760
catggtctgg ctccaggtac cacctgcctc atgcaggagt tggcgtgccc aggaagctct	2820
gcctctgggc acagtgacct cagtggggtg aggggagctc tccccatagc tgggctgcgg	2880
cccaaccca cccctcagg ctatgccagg ggggtgttgcc aggggcaccc gggcatcgcc	2940
agtctagccc actccttcat aaagccctcg catcccagga gcgagcagag ccagagcagg	3000

<210> 237

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 237

acgatttccc ttcacctctt attaccctgg tgggtggtggt gggggggggg gggtgctctc	60
tcagcaaccc caccgga tcttgaggag aaagaggga gagaaaagag ggaatgggac	120
tggcccagat cccagccca cagccgggct tccacatggc cgagcaggaa ctccagagca	180
ggagcacaca aaggagggtt ttgatgcgcc tccagccagg cccaggcctc tcccctctcc	240
cctttctctc tgggtcttcc ttgtcccccac tgagggcctc ctgtgagccc gatttaacgg	300
aaactgtggg cggtgagaag ttccttatga cacactaatc ccaacctgct gaccggacca	360
cgcctccagc ggagggaacc tctagagctc caggacattc aggtaccagg tagccccaag	420

gaggagctgc cgacctggca ggtaagtcaa tacctggggc ttgcctgggc caggagagccc	480
aggactgggg tgaggactca ggggagcagg gagaccacgt cccaagatgc ctgtaaaact	540
gaaaccacct ggccattctc caggttgagc cagaccaatt tgatggcaga tttagcaa	600
aaaaatacag gacacccagt taaatgtgaa tttcagatga acagcaaata cttttttagt	660
attaaaaaag ttcacattta ggctcacgcc tgtaatccca gcactttggg aggccgaggc	720
aggcagatca cctgaggtca ggagttcgag accagcctgg ccaacatggt gaaaccccat	780
ctccactaaa aatacaaaaa attagccagg cgtgctgggt ggacacctgta gttccagcta	840
ctcaggaggc taaggcagga gaattgcttg aacctgggag gcagaggttg cagtgagctg	900
agatcgacc attgcactct agcctgggcg acaagaacaa aactccatct caaaaaaaaa	960
aaaaaaaaaa aagttcacat ttaactgggc attctgtatt taattggtaa tctgagatgg	1020
cagggaacag catcagcatg gtgtgaggga taggcatttt ttcattgtgt acagcttgta	1080
aatcagtatt tttaaaactc aaagttaatg gcttgggcat atttagaaaa gagttgccgc	1140
acggacttga accctgtatt cctaaaatct aggatcttgt tctgatggtc tgcacaactg	1200
gctgggggtg tccagccact gtccctcttg cctgggctcc ccagggcagt tctgtcagcc	1260
tctccatttc cattcctgtt ccagcaaaac ccaactgata gcacagcagc atttcagcct	1320
gtctacctct gtgccacat acctggatgt ctaccagcca gaaaggtggc ttagatttgg	1380
ttcctgtggg tggattatgg cccccagaac ttccctgtgc ttgctggggg tgtggagtgg	1440
aaagagcagg aaatggggga ccctccgata ctctatgggg gtcctccaag tctctttgtg	1500
caagttaggg taataatcaa tatggagcta agaaagagaa ggggaactat gctttagaac	1560
aggacactgt gccaggagca ttgcagaaat tatatggttt tcacgacagt tctttttggt	1620
aggtagctgt attatcctca gtttgcagat gaggaactg agaccagaa aggttaaata	1680
acttgctagg gtcacacaag tcataactga caaagcctga ttcaaacca ggtctcccta	1740
acctttaagg tttctatgac gccagctctc ctagggagtt tgtcttcaga tgtcttggt	1800
ctaggtgtca aaaaaagact tgggtgtcagg caggcatagg ttcaagtccc aactctgtca	1860
cttaccaact gtgactaggt gattgaactg accatggaac ctggtcacat gcaggagcag	1920
gatggtgaag ggttcttgaa ggcacttagg caggacattt aggcaggaga gaaaacctgg	1980
aaacagaaga gctgtctcca aaaataccca ctggggaagc aggttgtcat gtgggccatg	2040

aatgggacct gttctggtaa ccaagcattg cttatgtgtc cattacattt cataacactt	2100
ccatcctact ttacagggaa caaccaagac tgggggttaaa tctcacagcc tgcaagtga	2160
agagaagaac ttgaaccag gtccaacttt tgcgccacag caggctgcct cttggtcctg	2220
acaggaagtc acaacttggg tctgagtact gatccctggc ttttttttgg ctgtgttacc	2280
ttggacaagt cacttattcc tcctcccggt tcctcctatg taaaatggaa ataataatgt	2340
tgaccctggg tctgagagag tggatttgaa agtacttagt gcatcacaaa gcacagaaca	2400
cacttccagt ctcgtgatta tgtacttatg taactggtca tcacccatct tgagaatgaa	2460
tgcatgggg aaagggccat ccactaggct gcgaagtttc tgagggactc cttcgggctg	2520
gagaaggatg gccacaggag ggaggagaga ttgccttatc ctgcagtgat catgtcattg	2580
agaacagagc cagattcttt ttttcctggc agggccaact tgttttaaca tctaaggact	2640
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
ccaggacaga gaaagcagat cccttctttt tccaaggact ctgtgtcttc cataggcaac	3000

<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
acatgtagtg tttcctcttt aataagttct cagctaaagt tctcagcctt gttgaaagga	120
cctggatact gaactgtgcc gaagaaggat agcagggtta aaacatgcaa agacagcacc	180
tcatatacct ctaatgttgt taacaatagc taacttttat caaacagtgt cctgtcacca	240
tgacagttac aacataatga taatgactgt actttctcta accaggtcta gatcacttat	300

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

<210> 239

<211> 1313

<212> DNA

<213> Artificial Sequence

<220>

<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 cccggcgggtg	180
gggggagggg cgcgctgagc gggggccagg gagctggcgc ggggcaaact gggaaagtgg	240
tgtcgtgtgc tggctccgcc ctcttcccga ggggtggggga gaacggtata taagtgcggt	300
agtcgccttg gacgttcttt ttcgcaacgg gtttgccgtc agaacgcagg tgagtggcgg	360
gtgtggcttc cgcgggcccc ggagctggag ccctgctctg 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 ggggtgtgggg ctactctta	660
aggagcccat gaagcttacg ttggatagga atggaagggc aggaggggcg actggggccc	720
gcccgccttc ggagcacatg tccgaccca cctggatggg gcgaggcctg tggctttccg	780
aagcaatcgg gcgtgagttt agcctacctg ggccatgtgg ccctagcact gggcacggtc	840

tggcctggcg gtgccgcgtt cccttgccctc ccaacaaggg tgaggccgtc ccgcccggca	900
ccagttgctt gcgcgggaaag atggccgctc ccggggccct gttgcaagga gctcaaaatg	960
gaggacgcgg cagcccgggtg gagcggggcgg gtgagtcacc cacacaaagg aagagggcct	1020
tgccccctgc cggccgctgc ttcctgtgac cccgtggtct atcggccgca tagtcacctc	1080
gggcttctct tgagcaccgc tcgtcgcggc ggggggaggg gatctaattg cgttggagtt	1140
tgttcacatt tgggtgggtgg agactagtca ggccagcctg gcgctggaag tcattcttgg	1200
aatttgcccc tttagatttg 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 ggttaggtac 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 tgatcccag cttcgggttg gaagtgggtg	600
ggagagttcg aggcccttgcg ctttaaggagc cccttcgcct cgtgcttgag ttgaggcctg	660
gcctgggagc tggggccgcc gcgtgcgaat ctggtggcac cttcgcgcct gtctcgtgc	720
tttcgataag tctctagcca tttaaaattt ttgatgacct gctgcgacgc ttttttctg	780

gcaagatagt cttgtaaatg cgggccaaga tctgcacact ggtatttcgg tttttggggc	840
cgcggggcggc gacggggccc gtgcgtccca gcgcacatgt tcggcgaggc ggggcctgcg	900
agcgcggcca ccgagaatcg gacgggggta gtctcaagct ggccggcctg ctctggtgcc	960
tggctctcg cgcgctgtga tcgccccgcc ctgggcggca aggctggccc ggtcggcacc	1020
agttgcgtga gcggaaagat ggccgcttcc cggccctgct gcaggagct caaaatggag	1080
gacgcggcgc tcgggagagc gggcgggtga gtcaccaca caaaggaaaa gggcctttcc	1140
gtcctcagcc gtcgcttcat gtgactccac ggagtaccgg gcgccgtcca ggcacctga	1200
ttagttctcg agcttttga gtacgtcgtc tttaggttg ggggaggggt tttatgcgat	1260
ggagtttccc cacttgagt gggtaggagac tgaagttagg ccagcttggc acttgatgta	1320
attctccttg gaatttgccc tttttgagtt tggatcttgg ttcatctca agcctcagac	1380
agtggttcaa agtttttttc ttccatttca ggtgtcgtga	1420

<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
ttggccattg catacgttgt atctatatca taatatgtac atttatattg gctcatgtcc	120
aatatgaccg ccatgttggc attgattatt gactagttat taatagtaat caattacggg	180
gtcattagtt catagcccat atatggagtt ccgcgttaca taacttacgg taaatggccc	240
gcctggctga ccgccaacg acccccgcc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttggca gtacatcaag tgtatcatat gccaaagtccg cccctattg acgtcaatga	420
cggtaaattgg ccgcctggc attatgccca gtacatgacc ttacgggact ttctacttg	480
gcagtacatc tacgtattag tcatcgctat taccatgggg agccgagagt aattcataca	540
aaaggagggga tcgccttcgc aaggggagag cccagggacc gtccctaaat tctcacagac	600

ccaaatccct gtagccgcc caccagacgc cgaggagcat gcgcccaggg ctgagcgcg	660
gtagatcaga gcacacaagc tcacagtccc cggcgggtggg gggagggggcg cgctgagcgg	720
gggccaggga gctggcgcg ggcaaaactgg gaaagtgggtg tcgtgtgctg gctccgcctt	780
cttcccagg gtagggggaga acggtatata agtgcggtag tcgccttgga cgttcttttt	840
cgcaacgggt ttgccgtcag aacgcagggt agtggcgggt gtggcttccg cgggccccgg	900
agctggagcc ctgctctgag cgggccgggc tgatatgcga gtgtcgtccg cagggttttag	960
ctgtgagcat tcccacttcg agtggcgggc ggtgcggggg tgagagtgcg aggcctagcg	1020
gcaacccccgt agcctcgcct cgtgtccggc ttgaggccta gcgtgggtgtc cgccgccgcg	1080
tgccactccg gccgcactat gcgttttttg tccttgctgc cctcgattgc cttccagcag	1140
catgggctaa caaaggagg gtgtggggct cactcttaag gagcccatga agcttacgtt	1200
ggataggaat ggaagggcag gaggggcgac tggggcccg cgccttcgg agcacatgtc	1260
cgacgccacc tggatggggc gaggcctgtg gctttccgaa gcaatcgggc gtgagtttag	1320
cctacctggg ccatgtggcc ctagcactgg gcacgggtctg gcctggcgggt gccgcgttcc	1380
cttgcctccc aacaagggtg aggccgtccc gcccgccacc agttgcttgc gcggaagat	1440
ggccgctccc ggggccctgt tgcaaggagc tcaaaatgga ggacgcggca gcccggtgga	1500
gcgggcgggt gtagtaccaca cacaaaggaa gagggccttg cccctcgccg gccgctgctt	1560
cctgtgacct cgtgggtctat cggccgcata gtcacctcgg gcttctcttg agcaccgctc	1620
gtcgcggcgg ggggagggga tctaattggc ttggagtttg ttcacatttg gtgggtggag	1680
actagtcagg ccagcctggc gctggaagtc attcttgga tttgcccctt tgagtttgga	1740
gcgaggctaa ttctcaagcc tcttagcggg tcaaaggat tttctaaacc cgtttccagg	1800
tgttgtgaaa gccaccgcta attcaaagca a	1831

<210> 242

<211> 3000

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 242

ccaggcatgg tggctcatac ccgtaatccc agctactcag gaggctgagg caggagaatc	60
acatgaaccc aagagggtgga gggtgcagtg agccaagatt gagccactgt actccagcct	120
gggcaacaga gcaagacttg gtctcagaaa aaaaaaaaaa gtgtatgtct tgactttaaa	180
aaattcaata aactgacctg tcttttttta aaaaacagcc ttttgagggt ataatttaca	240
tatcacagag ttcacctatg taaagtattc aatggttttc aatatattaa cagagttgtg	300
cgaccatcac cataatctaa ctttagaaca ttttcttcat ccccaaaaga aaccttatat	360
ctgttaccag tcactcctca ttcccctccc acccctaccc ctacccagc attaggcaac	420
cacttattta ttttctgtcc ctatagattt gcctatcttg gacatttcat gtaaattgaa	480
tcatacagta tgtggtcttt tgagaccgtc ttctttcacg tagcatgatt ttgaggttca	540
tctgtgtagc atgtatcagt acttcaatct acatacatth accgtaatta ctgaaccgtt	600
tggactatth tcaataatat tcatttatgt tttctgtttg ttatgcttht tttagtttct	660
ttagtttht ttaacttht ttggattgat gacatttht acatacttag ttttaattcc	720
tttgcttatt tagaaactat agattthtact ggtacttht cattgcttht tcttaaaatt	780
ttcagatatt ggttgaactt tggtcagata ttagttgaac tttgtaatta aaaaatggtt	840
aaatattggc aatttcctth ggthtaatca aacatatatt taattatagt tgtataaata	900
tgtatthaat tataattata aaacaatgtc ctcagattgt cataacaatg aacttaacat	960
actthtctg catatcgaac accttatctt gtgttcaagt tacactcata tctacatact	1020
gtgtagagtt ttaattatgt tctthtgaaa tataaaagggt tatacttggt atcaatattt	1080
gattggccgt cctgacatat tttgttaact cttgtgtcga cccttgtht tctctthcat	1140
ggctcccctt tggatactcc ttctggctaa ggcacatcct ctagttgttg ttttatgcag	1200
gtctgtaagt gtaaaccctc tgactthgaa tgtctgtaaa gatgctgaat aattthtgg	1260
ctcagtgtaa aattctaagt taaagattac tttthtct catcactthg aagacattac	1320
gccactgtht tctagcctct attgctgatg agaaaacttc tgtcagtctg ttctthtat	1380
ttgaatatgc atthtcccct ttcacagtgt ttaggatgga tttgttht tcttgatgct	1440
ttactacagt ttgattcttg aacaacacag gttgcaactg tggagggtcca cttgtatggg	1500
gattgtht aaccaatctc agatgaaaaa tatagtattc tcaggatgca aaaccagtgg	1560
atatgtagag ccaatttht ctatgcacaa gttctgcaag ccaactgtag gactthgtga	1620

tacctggatt ttggtatatg caaatTTTTgG tatacatggg agtgctagaa ccaatctcct	1680
gcatatactg agggacattt ctatataatg tatctaagtt ttgactgata tctattccaa	1740
tcaattcttg gtgtctactg ttaatttgaa gaatcaggta attgcttctg gaaaattctt	1800
agcaattatc tctttaatta ttacacttct gtcattctcc actctctgct tctgggattc	1860
caattaggtg aatttagaag attttcataa ctccccctt ctctctttta tttgtacatg	1920
tgtgtatata tgtatgtaat acatatcacg gtctcctcct gtgacctcca tgggtctgca	1980
tttcatcata aggaatagat gcttcaatgg tggccagcag tttcctcagg gtcttctcag	2040
cagtgcattg ggcccacatt agctcctctg gctccaagcg aagagatggt ctctagcccc	2100
ctgtttgatt tggggcactt acagtctctt cgccagctaa actctcacac tcgtcagcat	2160
ccagacgctg aggggaaaaat accagctgct tctgtgctct gcttactctt cggtacttct	2220
ctgccatttc tgggttcctga agatgtttat ttttatttat ttgagtctga ctgtatctct	2280
ttttaaaaac atgttatcca ccattgctat atatttgaag cagagaaagt tagtgaagca	2340
taaacttcat gctgaatcga gtgtctatat cctggaattc tcagcctgta ccctctataa	2400
actaatTTTT ccactgtgaa taagactaat catgactctg tcgacattta cattttatTT	2460
agaaaatgtc ttccttctgt tcctttgatc caagcttgac tcaccttacc ttgaggttgc	2520
atttaciaag gaacactgaa ggttacccaa cagtatgtgg gtgtcgttca tcaactacag	2580
tgactcaaga atatcaccag ttggtttgcc tttctcatgg ttttaatgtt ttctcattaa	2640
aaataaataa agcacagata agcagaaaga ataaccatcc atccaacaac tagaggaaaa	2700
tttatcaatg gttttgcttt atctttccta taattaagct ataaaaaaca accatccatg	2760
taacaactag agaaaacctt tatcaatgac tgtggcttat ctttcctgat aattaggctc	2820
tttcagggag ttattaaccg attttaaaac ttttgtctga gattgattag taaagattat	2880
ttcttgaacc aaattgttct ttcgtttggc tactttgatt aaagaagaaa gaagagataa	2940
taattgcaat gattctttta ttttatttta tagggctcgtt ggctgtgggt tgcaattacc	3000

<210> 243

<211> 3095

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 243

tatggcacia	gcaatctctt	atTTTTatct	tagtgcataa	ataaTTTTTT	cTTTTtTgcc	60
agaataattt	TTTTtaaaga	agcgattagt	TTTTcttctc	tcagatagca	atgatgtgct	120
ttcctctcaa	cctagattta	gggcattttt	atgtgagata	ggattaaaaa	ttccattttt	180
gtacaaccac	tatggagaac	agtttggcag	ttccccaaaa	aactaaaaat	agagctacta	240
tatgatctag	tgatcccact	gctgggtata	tacctataag	aaaggaaatc	agtatatcaa	300
agagatgtct	gttcttttat	gtttgttgca	gcactgttca	caatagccaa	gatctggaag	360
caacccaagt	ctccatcaac	atgggTTTTa	aaaaaatgtg	gtactTTaat	acacaatgga	420
gtactattca	gcaataaaaa	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
aggtacaaaa	aaatatagaa	agaatgaata	agacctagta	tttgatagta	caacagggcg	720
aatatagtca	aaataattta	attatacatt	taaaaatacc	tgaaagagta	taattggctt	780
gtttgcaaca	caaaagataa	atgcttgagg	ggatggatgc	cccatTTtca	atgatgtgat	840
tattacacat	tgcatgcctg	tatcaaaata	ttgcacatac	tccatgaatg	catacatcta	900
ctatgttccc	acaaaaatta	aacattagaa	aaaagagttg	cattttcagc	tgttatgggg	960
agaagaaaga	aaagctatca	TTTTgtTgtc	ctaaaaatta	TgtTgtcctc	atttcaaaca	1020
ggaaagcaaa	agtatttgag	agccagtgca	gtgccttggt	gttgggtgaa	acatagattg	1080
aatttgggcc	atttgtttta	acttcctagg	cctcagtttc	ttgcctatta	aaagggagtg	1140
catagttcat	gggattgtta	agaggaagaa	gtgaaaccat	gcacgtggag	agcgtggcac	1200
agtgtctaag	acagagtgtg	catgcaaata	agtagataat	attctttgct	tttctttatt	1260
gcatgcctgt	aatatTTTTg	gagttgtcac	attcattgcc	ctcaagtagc	atcaagggat	1320
gaaattatgt	ttgtaagaaa	atcctgaggc	tgaggaatac	aacatgtttt	atgtctacta	1380
cactgaaaaa	tgccggagtc	agataaagaa	tacagattct	cctgagggatg	gaaatcaaga	1440
tcttcgcctt	caatatttta	caacattgag	cttccaactt	actatgggaa	atattcatca	1500

ggcccctaaa ggttcctttt ggacagaaat tgcacttggt atatctgtat tcttagcaga	1560
cagtagacag cctggcacat cataaaggct taaggaatcc taaatatccc ttaaaattct	1620
cattttaaag acaaaaacaa aacaaaaaaa aaaaacaaaa aaaaactgag gcatgggctt	1680
gaccaaataca 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 gtgggttaatg gcatcttcct	2040
gactatttga agaccactgg ccaaatccca ccagctcact catagaccat cccctactt	2100
tactttcttc aaaagactta gccctaccta aacttattta tatgtttatt ttctgcccac	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 acaaaaaatc taaatgagaa tcctgactgt ttcagctggg ggtaaggggg	2640
gcggattatt catataattg ttataaccaga cggtcgcagg cttagtccaa ttgcagagaa	2700
ctcgcttccc aggcttctga gagtcccgga agtgcctaaa cctgtctaata cgacggggct	2760
tgggtggccc gtcgctccct ggcttcttcc ctttaccag ggcgggcagc gaagtgggtc	2820
ctcctgcgtc cccacaccc tccctcagcc cctcccctcc ggcccgtcct gggcaggtga	2880
cctggagcat ccggcaggct gccctggcct cctgcgtcag gacaacgccc acgaggggag	2940
ttactgtgcg gagatgcacc acgcaagaga cacccttgt aactctcttc tcctccctag	3000
tgcgaggtta aaaccttcag cccacgtgc tgtttgcaaa cctgcctgta cctgaggccc	3060
taaaaagcca gagacctcac tcccggggag ccagc	3095

<210> 244
<211> 1807
<212> DNA
<213> Artificial Sequence

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

<400> 244
agcttgtaga tactcggaac aaatgcaatt cttacgaata cttttagtct atacacagaa 60
aaagctggct gaaaaataaa atgattatct ttaatatctt aacagttatt aattgtgtgt 120
atgtggcagg cctgtgacag gtagaggaca acttgcctaa ggcaccatgt gggttccgaa 180
ggatctaact tgtcccatgc ttggcagcaa gcacttatca ctggccatct tcccagtcct 240
agctgtagtt tgcagtatat ttatatactgc agcagccact ggcttgtgtg ggagctagtg 300
cctagaccaa accaggattg cttctcttga aaccctctgg cactcattac gtgcttgatg 360
aataaatgga tggacagggt gctgtgtaca tttctctcac ttctcagttt ctttcagtaa 420
atcccaaaat atcattttcc ttcagaaatt ctggcatgat tcattccggg tcctgccctg 480
gccatgcctt ctgtgtttct cattcagtaa gaagtccact 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 ctagccaggt 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 agtgacaggt 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 gtaaacacag ccatataggc atggcttctt gcagggacaa	780
ctttgtgaat cggctcagac agacagacag gcaaatacac ctcatcgcct catacatggt	840
atttgcttta gtttttggtc tgaaccttcc tactccttca agtatctgca tttactttat	900
caaattctct tttattagag actgaagaaa ctgtcatctc cttatgtgct aatgagttta	960
ataatgtcct ccagtcacca caagccttct ttcaaactac acaattccaa ctgcttccgt	1020
ctcagagtat cttgaaataa tgatctgacc gcctgttaga ccagtgaagg gaaggaattt	1080
gggttgattt aagaagagaa tcctcatggt catggtagac tgatatggag agaaaacatt	1140
ttgaggaaaa atactcaact aaattcattt ctactccagc atgcagtttc aagtcaagtt	1200
ccaccttagc tccagggtggc aggcagagca ggatgcagag gcacagcaca agtaaggggt	1260
gagtgccgaa gctgctggct cctgttccag tctttcttcc ttggcctcgc ctgaactttt	1320
actataataa tagtcaccat 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 tgtttttaggc 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 cgtccttggga	2280

gataattggg ttcagtgcc cctggaccag aactggggat gcggaagcaa gaggcgagtc	2340
tattgctctc tctcggctct gggccgccct gtgattgttg ggcgtccgga aactgtctcc	2400
cctatgggtt taaaaacaaa actgagcgcc catgggggtgt gacagtcatc tgcaggggct	2460
tgggtggccc atcaggcgag gctttctcgg cacccgaggc tccagcctga tctcggctctt	2520
atcctgcgac cgggctgggt ctggcgggtc gccagggtgg gcggcggccc cagccgggcg	2580
ccccggcggc aagagcggca ggctgcgccc ctggcccgcg cctagcctgg ggagagagct	2640
gggcgggagg cgggagctgc tctcgcgggc cgcgccctc gccctggctg caacggtagg	2700
cgtttcccgg gccggacgcg cgtggggggc gggggcgggg gcgggggcga ggccgcggcg	2760
agcaaagtcc agggccctct gctgcagcgc ccgcgcgtcc agaggccctg ccagacacgc	2820
gcgaggttcg aggtgagaga ggtccgggcg cgtctggcct cgaagggaga cccgggacgt	2880
ggggcgcggg gcgggagtg ccggacctc acccagtgcc cccgggcccc gcgactcgtg	2940
cgccgggccc ccggagaggg tgtacttggt 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 ctcagcaaat	120
caaaagtcct caacctgggt ggaagaatat tggcactgaa tggtatcaat aaggttgcta	180
gagagggtta gaggtgcaca atgtgcttcc ataacatttt atacttctcc aatcttagca	240
ctaatcaaac atggttgaat actttgttta ctataactct tacagagtta taagatctgt	300
gaagacaggg acagggacaa taccatctc tgtctggttc ataggtggta tgtaatagat	360
atttttaaaa ataagtgagt taatgaatga gggtgagaat gaaggcacag aggtattagg	420
gggaggtggg cccagagaa tggtgccaag gtccagtggg gtgactggga tcagctcagg	480
cctgacgctg gccactccca cctagctcct ttctttctaa tctgttctca ttctccttgg	540

gaaggattga ggtctctgga aaacagccaa acaactgtta tgggaacagc aagcccaa	600
aaagccaagc atcaggggga tctgagagct gaaagcaact tctgttcccc ctccctcagc	660
tgaaggggtg gggaagggtc cccaaagcca 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 cccaccccg tgcctgggtc ttaggctctg tacaccatgg aggagaagct	180
cgctctaaaa ataaccctgt ccctgggtggg ccactacgg gtctaggctg cccatgtaag	240
gaggcaaggc ctggggacac ccgagatgcc tggttataat taacccaac acctgctgcc	300
cccccccccc caacacctgc tgcctgagcc tgagcggtta cccaccccg gtgcctgggt	360
cttaggctct gtacaccatg gaggagaagc tcgctctaaa aataaccctg tccctggtgg	420
gccactacgg gtctaggctg cccatgtaag gaggcaaggc ctggggacac ccgagatgcc	480
tggttataat taacccaac acctgctgcc ccccccccc caacacctgc tgcctgagcc	540
tgagcggtta cccaccccg gtgcctgggt cttaggctct gtacaccatg gaggagaagc	600
tcgctctaaa aataaccctg tccctggtgg gccctccct ggggacagcc 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 cccactacgg 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
tgccgggca acgagctgaa agctcatctg ctctcagggg cccctccctg gggacagccc	660
ctcctggcta gtcacacct gtaggctcct ctatataacc caggggcaca ggggctgccc	720
tcattctacc accacctcca cagcacagac agacactcag gagccagcca gc	772

<210> 249

<211> 558

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 249

cagccactat gggcttaggc tgcccatgta aggaggcaag gcctggggac acccgagatg	60
cctgggtata attaacccag acatgtggct gtccccccc ccccaacacc 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 cagcctggg	420

tccggggtgg 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
cctgggtata attaaccag acatgtggct gtccccccc ccccaacacc tgctgcctga	120
gcctcacccc caccggtg cctgggtctt aggctctgta caccatggag gagaagctcg	180
ctctaaaaat aaccctgtcc ctgggtgggct gtgggggact gagggcaggc tgtaacaggc	240
ttgggggcca gggcttatac gtgcctggga ctcccaaagt attactgttc catgttcccg	300
gcgaagggcc agctgtcccc cgccagctag actcagcact tagtttagga accagtgagc	360
aagttagccc ttggggcagc ccatacaagg ccatggggct gggcaagctg cagcctggg	420
tccggggtgg gcacggtgcc cgggcaacga gctgaaagct catctgctct caggggcccc	480
tccctgggga cagcccctcc tggctagtca caccctgtag gctcctctat ataaccagg	540
ggcacagggg ctgcccccg gtcaccacca cctccacagc acagacagac actcaggagc	600
cagccagcca ggtaagttta gtctttttgt cttttatttc aggtcccga tccggtggtg	660
gtgcaaatca aagaactgct cctcagtgga tgttgccttt acttctaggc ctgtacggaa	720
gtgttacttc tgctctaaaa gctgcggaat tgtaccgcg 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	gcttgc	atgt	ctaagc	taga	cccttc	agat	taaaaa	taac	tgagg	taagg	60						
gcctggg	tag	gggagg	tgg	gtgag	acgct	cctgtc	tctc	ctctat	ctgc	ccatc	ggccc	120					
tttgggg	agg	aggaat	gtgc	ccaagg	acta	aaaaaa	aggcc	atggag	ccag	aggggc	gagg	180					
gcaacag	acc	tttcat	gggc	aaacct	tggg	gccctg	ctgt	ctagcat	gcc	ccactac	ggg	240					
tctagg	ctgc	ccatgt	aagg	aggca	aggcc	tgggg	acacc	cgagat	gcct	ggttata	aatt	300					
aaccag	aca	tgtgg	ctgcc	cccccccc	caacac	ctgc	tgccct	ctaaa	aataac	ccctg	360						
tccctg	gttg	atccc	ctgca	tgcga	agatc	ttcga	aacaag	gctgtg	gggg	actgag	ggca	420					
ggctgt	aaca	ggctt	ggggg	ccagg	gctta	tacgt	gcctg	ggact	cccaa	agtatt	actg	480					
ttccat	gttc	ccggc	gaagg	gccag	ctgtc	ccccg	ccagc	tagact	cagc	acttag	ttta	540					
ggaacc	agt	g	agcaag	tcag	ccctt	ggggc	agccca	taca	aggcc	atggg	gctggg	caag	600				
ctgcac	gcct	gggtc	cg	ggg	tgggc	acggt	gccc	ggg	caa	cgagct	gaaa	gctcat	ctgc	660			
tctcag	gggc	ccctc	ctgg	ggacag	cccc	tcctg	gctag	tcacac	ccctg	taggct	cctc	720					
tatata	accc	agggg	cacag	gggct	gccct	cattc	tacca	ccacct	ccac	agcac	agaca	780					
gacact	cagg	agccag	ccag	cggcg	cgc	aggt	aagttt	agtc	ttttt	tg	tctttt	at	840				
cagg	ttccc	gg	atccg	gtg	gt	ggtg	caa	atc	aaaga	actgc	tcctc	agt	gg	atgtt	gc	cctt	900
tactt	ctagg	cctgt	acgga	agtgt	tactt	ctgct	ctaaa	agctg	cggaa	ttgtac	ccgc	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

aaaagag	tg	agta	acaa	ag	cccc	tttac	aattt	accg	gcac	attcac	acc	atc	ctg	60	
aggc	caa	agc	cacag	gctgt	gaggt	ctcac	tgtct	cagct	tcct	gagcta	taaa	atggga	120		
atgat	gctag	tgtct	ac	ctc	ctagg	gttgg	aga	attgg	ggg	gtcat	gggtg	tga	agt	gctc	180

agcagcttgg	cccacactag	gtggtcagta	catgtaaggt	attattgttg	ctacatacat	240
tagtagggcc	tgggcctctt	taaaccttta	tagggtagca	tggcaaggct	aaccatcctc	300
actttatatc	tgacaagctg	gggctcagag	aggacgtgcc	tgagctgggg	ctcagacaag	360
gacacaccta	ctagtaaccc	ctccagctgg	tgatggcagg	tctagggtag	gaccagtgac	420
tggctcctaa	tcgagcactc	tattttcagg	gtttgcattc	caaaagggtc	aggtccaaga	480
gggacctgga	gtgccaagtg	gaggtgtaga	ggcacggcca	gtacccatgg	agaatggtgg	540
atgtccttag	gggttagcaa	gtgccgtgtg	ctaaggaggg	ggctttggag	gttgggcagg	600
ccctctgtgg	ggctccattt	ttgtgggggt	gggggctgga	gcattatagg	gggtgggaag	660
tgattggggc	tgtcacccta	gccttcctta	tctgacgccc	acccatgcct	cctcaggtac	720
cccctgcccc	ccacagctcc	tctcctgtgc	cttgtttccc	agccatgcgt	tctcctctat	780
aaatacccg	tctggtattt	ggggttggca	gctgttgctg	ccaggagat	ggttgggttg	840
acatgcggt	cctgacaaaa	cacaaacccc	tggtgtgtgt	gggcgtgggt	ggtgtgagta	900
gggggatgaa	tcaggagagg	ggcgggggac	ccagggggca	ggagccacac	aaagtctgtg	960
cgggggtggg	agcgcacata	gcaattggaa	actgaaagct	tatcagaccc	tttctggaaa	1020
tcagcccact	gtttataaac	ttgaggcccc	accctcgaca	gtaccgggga	ggaagagggc	1080
ctgcactagt	ccagagggaa	actgaggctc	agggctagct	cgcccataga	catacatggc	1140
aggcaggctt	tggccaggat	ccctccgcct	gccaggcgct	tccctgccct	cccttcctgc	1200
ctagagaccc	ccaccctcaa	gcctggctgg	tctttgcctg	agacccaaac	ctcttcgact	1260
tcaagagaat	atttaggaac	aaggtggttt	agggcctttc	ctgggaacag	gccttgaccc	1320
tttaagaaat	gacccaaagt	ctctccttga	ccaaaaaggg	gaccctcaaa	ctaaagggaa	1380
gcctctcttc	tgctgtctcc	cctgacccca	ctcccccca	ccccaggacg	aggagataac	1440
cagggtgaa	agaggcccg	ctgggggctg	cagacatgct	tgctgcctgc	cctggcgaag	1500
gattggcagg	cttgcccgtc	acaggacccc	cgctggctga	ctcaggggcg	caggcctctt	1560
gcgggggagc	tggcctcccc	gccccacgg	ccacggggcg	ccctttcctg	gcaggacagc	1620
gggatcttgc	agctgtcagg	ggaggggagg	cgggggctga	tgtcaggagg	gatacaaata	1680
gtgccgacgg	ctggggggcc	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 ctccgccccca ttgacgcaaa 540
tgggcggtag gcatgtacgg tgggaggtct atataagcag agctcgttta gtgaaccgtc 600
agatcgcttg gagacgcat ccacgtgtt ttgacctca tagaagacac cgggaccgat 660
ccagcctccg cggccccaag cttcagctgc tcgagggcgc gcctctagag ctagcgttgc 720
ggccgcctgg ctcttaacgg cgtttatgtc ctttgctgtc tgaggggcct cagctctgac 780
caatctggtc ttcgtgtggt cattagc 807

<210> 254
<211> 973
<212> DNA
<213> Artificial Sequence

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

<400> 254
aagtcagcat ccattcctct ctgtggttct ccctccgccc catccaggtc tcaagggtct 60
agagtctttc aaagagaaca cattctgaga tttgaggagg cagagacaaa aagttccact 120

gcgaagtgcc agggaggctt ctgtttgggg tgtcccttgg gatcacagat cccccacctg	180
gtgatgagtc aaccagcac caccattg cagggtgga atgacagtaa tgggcccacc	240
tgctgcctct ctcataccc gcacccagc cagacattgc aagtcagtca cggctctgtc	300
ctgctgggcc tggagtgttc cagtgccttt tccatcacag caccaagcag ccactactag	360
tcgatcaatt tcagcacaag agataaacat cattaccctc tgctaagctc agagataacc	420
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
tcattggagga gaggcctga gggctcttgg ttccatttgc atccccacc tcaatttccc	720
tgggtgccag ccacttgtgt ctttaggggt ctctttctct ccataaaagg gagccaacac	780
agtgtcggcc tcctctcccc aactaagggc ttatgtgtaa ttaaaaggga ttatgctttg	840
aaggggaaaa gtagccttta atcaccagga gaaggacaca gcgtccggag ccagaggcgc	900
tcttaacggc gtttatgtcc tttgctgtct gaggggcctc agctctgacc aatctggctc	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 atgctgcca tgtaaggagg caaggcctgg ggacaccca gatgcctggt	60
tataattaac ccagacatgt ggctgcccc cccccccaa cacctgctgc ctctaaaaat	120
aaccctgcat gccatgttcc cggcgaagg ccagctgtcc cccgccagct agactcagca	180
cttagtttag gaaccagtga gcaagtcagc cttggggca gccatacaa ggccatgggg	240
ctgggcaagc tgcacgcctg ggtccgggg gggcacggtg cccgggcaac gagctgaaag	300
ctcatctgct ctcaggggcc 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 aggattctca	60
agagggacag ctggtttatg ttgcatgact gttccctgca tatctgctct ggttttaaat	120
agcttatctg ctagcctgct cccagctggc cctcccaggc ctgggttgct ggcctctgct	180
ttatcaggat tctcaagagg gacagctggg ttatgttgca tgactgttcc ctgcatactt	240
gctctggttt taaatagctt atctgagcag ctggaggacc acatgggctt atatggggca	300
cctgcaaaaa tagcagccaa ccccccccc tgctgcacat tcctccctgg ctcaccaggc	360
cccagcccac atgcctgctt aaagccctct ccaccccttg cctcaccag tccccgctga	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 ataaaagtga 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 gggtgaataa	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 ccttatgtgc 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
gtaaacagga catagcaggt gcaaggaccc actggtcatc ctgctacctg atcagaagga	1680
aggaaagttg tatttgttgc tcacctacta tgtttttaggc atagtactag gtgcttttac	1740
ctagtactta attcccttat cctcaactca tttattcctc gcaataacct gataagggag	1800
atgtttttat cctcatttta 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 ctgaagacct 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 gacagtcatc tgcaggggct tgggtggccc	2520
atcaggcgag gctttctcgg cacccgaggc tccagcctga tctcggctctt atcctgcgac	2580
cgggctgggt ctggcgggtc gccagggtgg gcggcggccc cagccgggcg ccccggcggc	2640
aagagcggca ggctgcgccc ctggcccgcg cctagcctgg ggagagagct gggcgggcgg	2700
cgggagctgc tctcgcgggc cgcggccctc gccctggctg caacggtagg cgtttcccg	2760
gccggacgcg cgtggggggc gggggcgggg gcggggcgga ggccgcggcg agcaaagtcc	2820
aggccccctc gctgcagcgc ccgcgcgtcc agaggccctg ccagacacgc gcgaggttcg	2880
aggtgagaga ggtccgggcg cgtctggcct cgaagggaga cccgggacgt ggggcgcggg	2940
gcgggagtgg ccggacctc 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 atgttgcatt 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 caggcggtgt cctgcaaaca acaggaggca	360
cctgaagcta gcctgggggg cccacgccc aagtgcggtgc attcagcagc acagccagag	420
acagacccca atgaccccg cctccctgtcg gcagccagtg ctctgcacag agccctgagc	480
agcctctgga cattagtccc agccccagca cggcccgctc cccacgctga tgtcaccgca	540
cccagacctt ggaggcccc tccggctccg cctcctggga gaaggctctg gagtgaggag	600
gggagggcag cagtgcctggc tggacagctg ctctgggcag gagagagagg gagagacaag	660
agacacacac agagagacgg cgaggaaggg aaagaccag agggacgcct agaacgagac	720
ttggagccag acagaggaag aggggacgtg tgtttgcaga ctggctgggc ccgtgaccca	780
gcttcctgag tcctccgtgc aggtggcagc tgtaccaggc tggcaggtca ctgagagtgg	840
gcagctgggc cccaggtaa gatgggctgc ccactgtcct gggcattggg aggggtttgg	900
atgtggagga gtcatggact tgagctacct ctagagcctc tgccccacag ccacttgctc	960
ctgggactgg gcttcctgcc acccttgagg gctcagccac cacagccact gaatgaaact	1020
gtcccgagcc tgggaagatg gatgtgtgtc ccctggagga gggaagagcc aaggagcatg	1080
ttgtccatcg aatcttctct gagctggggc tggggttagt ggcatcctgg ggccagggga	1140
atagacatgc tgtggtggca gagagaagag tccgttctct ctgtctcctt tgctttctct	1200
ctgacactct ttatctccgt ttttggataa gtcacttctt tcctctatgc cccaaatctc	1260
ccatctgtga aatgggagta tgaagcccca acagccaggg ttgtagtggg gaagaggtaa	1320
aatcaggtat agacatagaa atacaaatac agtctatgcc ccctgttgtc agttggaaaa	1380
gaaattaact tgaagggtgt ctagttctca tttttagaaa tgaaatgtct gtctgggtcat	1440
tttaaaatgt ggcccttaaa tttcacgccc tcaccactct ccccatccc ttggagcccc	1500
atgtctctag tgaaagcact ggctctgccc ccagccctca tggctcatgc tggcataggg	1560
cgctgtctcc 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
cgcatcttag gagacagggtt 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 cagggaaggc	2100
ttcctggagg aggtatcatc tgaactgagc catgaaccat aagtggaaat tcactagtca	2160
aaatttcagg tagaagggcc agtgtgtgaa ggccaggaga tggcaagagc tggcgtattt	2220
caggaacagt gagtactga ggatgtccaa gtataagggt aggaaaggga gtgagcagtg	2280
agagaaaaga ccgaggcatc agcagggggc agatttgtgt 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 ctaaatttgc tctggctagc tgtgtgacct tgggcaagtc	2640
ttggtccctc tctgggcccc ttgtccgtag gtccctgggt 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 agttgctaat cttagattat ccatttgagt	60
catgatttcc tactatacaa agcaggagtt gttatgggggt agaagaattt ttatcccagg	120
aatgacaaag ataagttgaa gcactacagt aaaaaattag agtttagacat ggacacgtag	180
aaggaacaa 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
ttccaagtt ctgagaagtc cttacatatt agctgacttt atactaaaat ttgggtttta	600
aaaaattttt ttttagagac atgggtctcac tctgtcatcc aggttaaagt gcagtgggtg	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 tgccctaaaa tttgttttaa attaaagttt ttctggtaag	960
aatgtaatag cgtattttga caaaggggtga gaaaggcttc ttctggaagc aactaatgct	1020
aattgataaa attgatatat aaatgggttg tggtttccag ctctcttctg ggagagaaat	1080
aaaaggaat 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 gaattgggtg caaatgtgca	1380
catatacaca cacacacagc ttcctatcca attaagcagc caaaaagtca gcaatcccat	1440
tgcttcttta gtttaattaa agtcactgat tttccaaacc caacatttag agatcacatc	1500
agatgctact cataatgtaa ggaagcatgt attatggaga gggttatcctg ggtgaaaggt	1560
acagcaacaa ctgaatagtc aaccgaaact tctatcaatg ggccaagctt tgggagcatc	1620

aatatataaa agtttagaat tccattttgt atcctcttct cccccaaaaa gaaagagcac	1680
tggaaattat tccttgtgtg gtgtttaata gtggtagatc attttgatta aggaattaaa	1740
tggattgagg tgcatgagag caagaaagag gaggggcaag aggggggatt ataggataag	1800
gtgtactgct actttaaaat tatgtatgca tgatcccatc caggtccctc ccactgcttg	1860
aggtaccagc ggaaagcttg ggcagctcag ttccaagagg gccaccaagc agaccacgct	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 tcatagtcac atgaggaaac acagaaacat	2220
tttgctaaat attaaagcat aggacagaca gatgggtgttg ggtttctaata cagctttact	2280
ctgagcttaa agttgctgca catgctggga taaggggaaa ggcccaaagt cctttgccag	2340
ctttattttg ggcactctga agttagctct gggttacaat gtacagtgc tgtgtaaaga	2400
aaatctacaa gattcttttc cctgttaagt agagctggta atgccattgc taattccctg	2460
gggtgaagta acaacacaaa attattgtat gtgtaatata ttattaataa ttatatatat	2520
ataaaacaca cacatatatt atataaatat ttatgtataa ctgggtataa 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 tgggtattacc 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

cgttacataa cttacggtaa atggcccgcc tggctgaccg cccaacgacc cccgcccatt	60
gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc attgacgtca	120
atgggtggag tattttacgtt aaactgcccc cttggcagta catcaagtgt atcatatgcc	180
aagtacgccc cctattgacg tcaatgacgg taaatggccc gcctggcatt atgcccagta	240
catgacctta tgggactttc ctacttggca gtacatctac gtattagtca tcgctattac	300
catggtcgag gtgagcccca cgttctgctt cactctcccc atctcccccc cctccccacc	360
cccaattttg tattttattta 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 gaggaagaag 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 ggccagagggt aaagactatg gatttgggga atgaatatcc	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 ctcaactaaa ataatgtatg tcccagcctg gccaacatgg	420
tgaaaccca tctctactaa aaatacaaaa attagccaga catggtggta catgcctgta	480
atcccagcta ctcaaggaggc 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 tccatttggtg aatgtaaaaa ttattttaga gatctaagat ttggtgcaaa	960
acttgcaatc agctacatag ttctacttga ggcaattttc actcaaaaata tatcataaac	1020
catagtacaa aaatagagca tagacctctc cttgtgaagc agttgttttt gccttacatt	1080
tttttttttt tttttttttt ttgagatgga gtctcgctct gtcgcccggg ctggagtgca	1140
gtggcgcaat ctcaagctcc tgcaagctcc gcctcccggg ttcacgcat tctcctgcct	1200
cagcctcccg agcagctggg actacaggtg cccgctacca cgtctggcta attttttata	1260
tttttagtag aaacgggggtt tcactgtgtt agccaggatg gtctcgatct cctgacctcg	1320
tgatccgccc acctcggcct cccaaagtgc tgggattaca ggtgtgagcc accgtgcgtg	1380
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 tattttgtgta aatattttcc taaaataaat	1680

ctaactaagg ttgttcttct cacttgtatg gggtcacatctt atgcggtaga tgctcaaaca	1740
caaattccag atacagagtg ggcagtggtg gttaggaaga tagaaaggct agggagtggtt	1800
cctgggaagt cagtaaacctt ggaagatcta aggttatatt aaaaatgttg tatcagaaca	1860
aaggctcagg acgttagtgt tagcagaaac cagatatctt agagcagtggt tttgtcaact	1920
ttgccagcaa tccacagtaa gaaattcaac tccggccggg cgcgggcctg taatcccagc	1980
actttgggaa gccgaggcgg gtggatgact tgaggtcagg agttcgagac catcctggct	2040
aacacagtga aaccccgctt ctactaaaaa taaaaaatt agccgggcgt ggtggtgtgt	2100
gcctgtaatc ccagctactt gggagggtga ggcaggagaa tcacttgaac acaggaggcg	2160
gaggtgacag tgagccgaga tcgtgccatt gcactccagc ctgggtgaca gaggagact	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
tacatatata cacatatata catatatata catatatata tatatacaca tatatacata	2640
tatacatata tatacatata tacacatata tacatatata catatatata catatatata	2700
tatatatata cacatacata tatatatata cccttgttta aaaataaaag gtttgcagct	2760
ccatattttt taaaaaaatc ttaccaagc atttaatcag tactgaatgg ttttgttctt	2820
gtcttcatgt caagttgaat ttgggggtac tattccagaa tatttacatg ttagacaatg	2880
ttctgtaaaa ggggcattgt agcagcatgc aggcagtatt caacaaaaa ctgggcaaga	2940
gtcataattc actctggttt ctctttcctt ttaagcaggt agttccaatt tgccagcaga	3000

<210> 262

<211> 3102

<212> DNA

<213> Artificial Sequence

<220>

<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 ttttaatttct	660
aaactattaa tcttttagta ggatgcacat atgcaaatg cctcattagt actgtaagaa	720
aagattcttg gccgggcgcg gtggctcatg actgtaatcc cagcacttag ggaggccgag	780
gtgggcggat gacgaggtca ggagatcgag accaccctgg cacacggtca aaccccgctc	840
ctactaaaga tacaaaaaat tagccgggcg tgatggcggg cgcctgtagt cccagctact	900
cgggaggctg aggcagaaga atggcgtgaa ctcgggaggc ggagcttgca agtgagccga	960
gatagtgcc a ctgcactcca gtctgggcga aagagcgaga ctccatctca aaaaaaaaaa	1020
aaaaaaaaaaga aaagattctt ttaggtttca tcaattttgt tttaaagcta gggctcttca	1080
ttagatatag gaaaatcaat tcaaagtttc tattcagtca tgatgaattt gagatttttt	1140
taggtttctt tgtatttaac aatatattac attataatgt tgtggtgaaa actaaatgga	1200
ctaataattat tcttttcatt tgttaaatga aaaagtatgc acaaagtata tgtgagagtg	1260
acaaaggcct gaatttgta attagtaaca attgtattca acagtaagga ttttatgttt	1320
gggtaggcct ttcccaggga 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 ctttgtagt ctctgtgcct ctatgtgcc a tgaggaaatt tgactactgg	1860
ttttgactga ctgagttata taattaagta aaataactgg cttagtacta attattgttc	1920
tgtagtatca gagaaagttg ttcttcctac tgggtgagct 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 cttaactctt tcagtatgtc ttatttctaa gcaaagtatt	2700
tagtttggtt agtaattact aaactgag aactaaattg caaacaccaa gaactaaaat	2760
gttcaagtgg gaaattacag ttaaatacca tggtaatgaa taaaaggtag aaatcgtttt	2820
aactcttatg taaaatttga taagatgttt tacacaactt taatacattg acaaggcttt	2880
gtggagaaaa cagttccaga tggtaaatat acacaaggga tttagtcaaa caattttttg	2940
gcaagaatat tatgaatttt gtaatcggtt ggcagccaat gaaatacaaa gatgagtcta	3000
gttaataatc tacaattatt ggttaaagaa gtatattagt gctaatttcc ctccgtttgt	3060
cctagctttt ctcttctgtc aacccacac 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 cgcataaggta 240
gctaaagagg tggcaacca cacatcctta ggcatgagct 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 aggcattgtt gggaatgagt acacggggac cataagttac 840
tgacattcgt ttcccattcc atttgaatac acacttttgt catggtattg cttgctgaaa 900
ttgttttgca aaaaaaaccc cttcaaattc atatataatta ttttaataaa tgaattttta 960
tttatctcaa tggtataaaa 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 cttaaattatt ttaagtttta gctgggtgac 1260
tggttggaat attttaggta agtactgaaa ccaagagatt ataaaacaat aaattctaaa 1320

gttttagaag tgatcataat caaatattac cctctaataa aaatattcca aagttgagct	1380
acagaaatth caacataaga taatthtagc tgtaacaatg taatthgttg tctatthtct	1440
tttgagatac agthththtct gtctagctth ggctgtcctg gaccttgctc tgtagaccag	1500
gttggctctg aactcagaga tctgcttgcc tctgccttgcc aagtgcagg attaaaagca	1560
tgtgccacca ctgcctggct acaatctatg thttataaga gattataaag ctctggctth	1620
gtgacattaa tctthcagat aataagtctt ttggattgtg tctggagaac atacagactg	1680
tgagcagatg ttcagaggta tathgtctta ggggtgaatt caatctgcag caataattat	1740
gagcagaatt actgacactt ccaththata cattctactt gctgatctat gaaacataga	1800
taagcatgca ggcattcatc atagththtct ttatctggaa aaacattaaa tatgaaagaa	1860
gcaththatt aatacagtht agatgtgtht tgccatctth taaththtcta agaaatacta	1920
agctgatgca gagtgaagag tgtgtgaaaa gcagtgggtg agcttggtt gaactcgthc	1980
tccagcttg gacgacctg caggcatgct tccatgccaa ggcccacact gaaatgctca	2040
aatgggagac aaagagatta agctcttatg taaaatttgct gtththtcat aactthaatg	2100
aatggacaaa gtcttggtgca tgggggtggg ggtggggtht gaggggaaca gctccagatg	2160
gcaaacatac gcaagggatt tagtcaaaca actththtgct aaagatggta tgaththgta	2220
atggggtagg aaccaatgaa atgcgaggta agtatggtht atgatctaca gthattggth	2280
aaagaagtat attagagcga gtctthtctg acacagatca cctthctat 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 gthtctgggc tcaccctgcc ccctccaac ccctcagthc	60
ccatcctcca gcagctgtht gtgtgctgcc tctgaagtcc aactgaaca aacttcagcc	120
tactcatgtc ctaaaatgg 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
gacgcccatac tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctattttt agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg ctaatttttt	720
ctatttttga cagggacggg gtttcacat gttggtcagg ctggtctaga ggtaccgggg	780
ctggaagcta ctttgacat catttcctct gcgaatgcat gtataatttc tacagaacct	840
attagaaagg atcaccagc ctctgctttt gtacaacttt cccttaaaaa actgccaatt	900
ccactgctgt ttggcccaat agtgagaact ttttcctgct gcctcttggt gcttttgcct	960
atggccccta ttctgcctgc tgaagacact cttgccagca tggacttaaa cccctccagc	1020
tctgacaatc ctctttctct tttgttttac atgaagggtc tggcagccaa agcaatcact	1080
caaagttcaa accttatcat tttttgcttt gttcctcttg gccttggttt tgtacatcag	1140
ctttgaaaat accatcccag ggtaaatgct ggggttaatt tataactaag agtgctctag	1200
ttttgcaata caggacatgc tataaaaatg gaaagatctc taaggtaaata ataaaatttt	1260
taagtgtata atgtgttaaa ctactgattc taattgtttc tctcttttag attccaacct	1320
ttggaactga	1330

<210> 265

<211> 937

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 265

agattgtacc tgcccgtaca taaggtcaat agggggtgaa tcaacaggaa agtcccattg	60
---	----

gagccaagta cactgcgtca atagggactt tccattgggt ttgcccgggt acataaggtc	120
---	-----

aataggggat	gagtcaatgg	gaaaaacca	ttggagccaa	gtacactgac	tcaataggga	180
ctttccattg	ggttttgccc	agtacataag	gtcaataggg	ggtgagtcaa	caggaaagtc	240
ccattggagc	caagtacatt	gagtcaatag	ggactttcca	atgggttttg	cccagtacat	300
aaggtcaatg	ggaggttaagc	caatgggttt	ttcccattac	tggcacgtat	actgagtcac	360
tagggacttt	ccaatgggtt	ttgcccagta	cataaggtca	ataggggtga	atcaacagga	420
aagtcccatt	ggagccaagt	acactgagtc	aatagggact	ttccattggg	ttttgcccag	480
tacaaaaggt	caataggggg	tgagtcaatg	ggtttttccc	attattggca	cgtacataag	540
gtcaataggg	gtgactagtc	agtgggcaga	gcgcacatcg	cccacagtcc	ccgagaagtt	600
ggggggaggg	gtcggcaatt	gaaccggtgc	ctagagaagg	tggcgcgggg	taaactggga	660
aagtgatgtc	gtgtactggc	tccgcctttt	tcccgagggt	ggggggagaac	cgtatataag	720
tgcagtagtt	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	tgacaggtcga	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
aggagggggg	ataaaaagccc	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 actctaactt ccctaggcaa ggttcatatt tgtgtaggtt acttattctc 240
cttttgttga ctaagtcaat aatcagaatc agcaggtttg gagtcagctt ggcagggatc 300
agcagcctgg gttggaagga gggggtataa 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
tattagtgc tatttcctc cgtttgcct agcttttctc atgcgtgtta ccgtctgtct 120
gcacatttcg tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcatatttg 180
ttaggttac ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga 240
gtcagcttgg cagggatcag cagcctgggt tggaaggagg ggggtataaaa gcccttcac 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 tgtaggttac ttattctcct ttgtttgact 180

aagtcaataa tcagaatcag caggttttga gtcagcttgg cagggatcag cagcctgggt 240

tggaaggagg ggggtataaaa gccccttcac caggagaagc cgtcacacag atccacaagc 300

tcctgaagag gtaagggttt aagggatggg 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 gaagtgaagta taaaagcccc aggctgggag cagccatcaa tgcgtgttac 180

cgtctgtctg cacatttcgt agagcgagtg ttccgatact ctaattctccc taggcaaggt 240

tcataatttg gtaggttact tattctcctt ttgttgacta agtcaataat cagaatcagc 300

aggtttggag tcagcttggc agggatcagc agcctgggtt ggaaggagg ggtataaaag 360

ccccttcacc aggagaagcc gtcacacaga tccacaagct cctgaagagg taagggttta 420

agggatgggtt ggttggtggg gtattaatgt ttaattacct ggagcacctg cctgaaatca	480
cttttttttca ggttg	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 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 actaagagt ctctagtttt gcaatacagg acatgctata aaaatggaaa	540
gatctcctga agaggtaagg gtttaaggga tggttggttg gtgggggtatt aatgtttaat	600
tacctggagc acctgcctga aatcactttt tttcaggttg	640

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

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

<400> 272	
agccaatgaa atacaaagat gagtctagtt aataatctac aattattggt taaagaagta	60
tattagtgcct aatttccctc cgtttgcct agcttttctc atgcgtgtta gggctggaag	120

ctacctttga catcatttcc tctgcgaatg catgtataat ttctacagaa cctattagaa	180
aggatcaccc agcctctgct tttgtacaac tttcccttaa aaaactgcc aattccactgc	240
tgtttggccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc	300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca	360
atcctctttc tcttttgttt tacatgaagg gtctggcagc caaagcaatc actcaaagtt	420
caaaccttat ctttttttgc tttgttcctc ttggccttgg ttttgtacat cagctttgaa	480
aataccatcc cagggttaat gctggggtta atttataact aagagtgtc tagttttgca	540
atacaggaca tgctataaaa atggaaagat ctcctgaaga ggtaagggtt taagggatgg	600
ttggttggtg ggggtattaat gtttaattac 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 ctacctttga catcatttcc tctgcgaatg	120
catgtataat ttctacagaa cctattagaa aggatcaccc agcctctgct tttgtacaac	180
tttcccttaa aaaactgcc aattccactgc tgtttggccc aatagtgaga actttttcct	240
gctgcctctt ggtgcttttg cctatggccc ctattctgcc tgctgaagac actcttgcca	300
gcatggactt aaaccctcc agctctgaca atcctctttc tcttttgttt tacatgaagg	360
gtctggcagc caaagcaatc actcaaagtt caaaccttat ctttttttgc tttgttcctc	420
ttggccttgg ttttgtacat cagctttgaa aataccatcc cagggttaat gctggggtta	480
atttataact aagagtgtc tagttttgca atacaggaca tgctataaaa atggaaagat	540
ctcctgaaga ggtaagggtt taagggatgg ttggttggtg ggggtattaat 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 gaagtgaagta taaaagcccc aggctgggag cagccatcaa tgcgtggttag 180
ggctggaagc tacctttgac atcatttcct ctgcgaatgc atgtataatt tctacagaac 240
ctattagaaa ggatcaccca gcctctgctt ttgtacaact ttcccttaaa aaactgccaa 300
ttccactgct gtttggccca atagtgaagaa 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 tcctgaagag gtaagggttt 660
aagggatggt tggttggtgg ggtattaatg tttaattacc 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 ttaggcacgc ttccatgccca aggccacac 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
tattagtgct aatttccttc cgtttgcct agcttttctc atgcgtgtta ggcattcttc	120
catgccaaagg cccacactga aatgctcaaa tgggagacaa agagattaag ctcttatgta	180
aaatttgctg ttttacataa ctttaatgaa tggacaaagt cttgtgcatg ggggtggggg	240
tgggggttaga ggggaacagc tccagatggc aaacatacgc aagggtttta 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
tgaggagaaa agagattaag ctcttatgta aaatttgctg ttttacataa ctttaatgaa 180
tggaacaaagt cttgtgcatg ggggtggggg tggggttaga ggggaacagc tccagatggc 240
aaacatacgc aagggtatga gtcaaacacac tttttggcaa agatgggtatg attttgtaat 300
ggggtaggaa ccaatgaaat gcgaggtaag tatgggttaat gatctacagt tattgggttaa 360
agaagtatat tagagcgagt ctttctgcac acagatcacc tttcctatca acccctcct 420
gaagaggtaa ggggttaagg gatggttggt tgggtgggga 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 caagggtcat atttgtatgg gttacttatt ctctctttgt 60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc 120
tagctcagga gaagtgaagta taaaagcccc aggctgggag cagccatcaa tgcgtgttag 180
gcatgcttcc atgccaaggc ccacactgaa atgctcaaat gggagacaaa gagattaagc 240
tcttatgtaa aatttgctgt tttacataac tttaatgaat ggacaaagtc ttgtgcatgg 300
gggtgggggt ggggttagag gggaacagct ccagatggca aacatacgca agggatttag 360
tcaaacaact ttttggcaaa gatgggtatga ttttgtaatg gggtaggaac caatgaaatg 420
cgaggtaagt atgggttaatg atctacagtt attgggttaaa gaagtatatatt agagcgagtc 480
tttctgcaca cagatcacct ttcctatcaa cccctcctg aagaggtaag ggtttaaggg 540
atggttggtt ggtgggggtat taatgtttta ttacctggag cacctgcctg aaatcacttt 600

ttttcaggtt 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 ttttggcaag aatattatga attttgtaat cggttggcag ccaatgaaat 180

acaaagatga gtctagttaa taatctacaa ttattggtta aagaagtata ttagtgctaa 240

tttccctccg tttgtcctct cctgaagagg taagggttta agggatggtt ggttgggtggg 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

tattagtgtc aatttccctc cgtttgcct agcttttctc atgcgtgtta 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 atgcgtgtta aacagttcca gatggtaaata atacacaagg gatttagtca 120
aacaattttt tggcaagaat attatgaatt ttgtaatcgg ttggcagcca atgaaataca 180
aagatgagtc tagttaataa tctacaatta ttggttaaag aagtatatta gtgctaattt 240
ccctccgttt gtcctctcct gaagaggtaa gggtttaagg gatggttggt tgggtggggta 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 gaagtgaata taaaagcccc aggctgggag cagccatcaa tgcgtgttaa 180
acagttccag atggtaaata tacacaaggg atttagtcaa acaatttttt ggcaagaata 240
ttatgaattt tgtaatcggg ttggcagccaa tgaaatacaa agatgagtct agttaataat 300
ctacaattat tggttaaaga agtatattag tgctaatttc cctccgtttg tcctctcctg 360
aagaggtaag ggtttaaggg atggttgggt ggtgggggtat 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 ttaaatagact cttttcggta agtgcagtgg aagctgtaca 120
ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact 180
tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatattca 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
tattagtgct aatttccttc cgtttgcct agcttttctc atgcgtgtta aatgactcct 120
ttcggttaagt 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 aactgggggtg accttggtta atattcacca gcagcctccc 240
ccgttgcccc tctggatcca ctgcttaa at acggacgagg acagggccct gtctcctcag 300
cttcaggcac caccactgac ctgggacagt ctctgaaga ggtaagggtt taagggatgg 360
ttggttggtg gggattaat 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 gaagtga taagagcccc aggctgggag cagccatcaa tgcgtgttaa 180
atgactcctt tcggtaagt 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 aagggatggt 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 ttaaatact cctttcggta agtcagtgga aagctgtaca 120

ctgcccaggc aaagcgtccg ggcagcgtag gcgggcgact cagatcccag ccagtggact 180

tagcccctgt ttgctcctcc gataactggg gtgaccttgg ttaatatcca ccagcagcct 240

cccccggtgc 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

tattagtgc aatttccttc cgtttgcct agcttttctc atgcgtgtta aatgactcct 120

ttcggtaagt gcagtggaag ctgtacactg cccaggcaaa gcgtccgggc agcgtaggcg 180

ggcgactcag atcccagcca gtggacttag cccctgtttg ctctccgat aactgggggtg 240

accttggtta atattcacca gcagcctccc ccgttgcccc tctggatcca ctgcttaaat 300

acggacgagg acagggccct gtctcctcag cttcaggcac caccactgac ctgggacagt 360

gaatccggac tctaaggtaa atataaaatt ttttaagtgt	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 atgaccttca gcctgttccc gtccctgata tgggcaaaca ttgcaagcag	60
caaacagcaa acacatagat gcgtgttaaa tgactccttt cggtaagtgc agtggaagct	120
gtacactgcc caggcaaagc gtccgggcag cgtaggcggg cgactcagat cccagccagt	180
ggacttagcc cctgtttgct cctccgataa ctgggggtgac cttggttaat attcaccagc	240
agcctcccc gttgccctc tggatccact gcttaaatac ggacgaggac agggccctgt	300
ctcctcagct tcaggcacca ccactgacct gggacagtga atccggactc taaggtaa	360
ataaaatttt 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 cagtggaagc tgtacactgc ccaggcaaag cgtccgggca	240
gcgtaggcgg gcgactcaga tcccagccag tggacttagc ccctgtttgc tcctccgata	300

actggggtga ccttggttaa tattcaccag cagcctcccc cgttgccct ctggatccac	360
tgcttaaata cggacgagga cagggccctg tctcctcagc ttcaggcacc accactgacc	420
tgggacagtg aatccggact ctaaggtaaa tataaaattt ttaagtgtat aatgtgttaa	480
actactgatt ctaattgttt ctctctttta gattccaacc tttggaactg a	531

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

<220>
 <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 actaagagt ctctagtttt gcaatacagg acatgctata aaaatggaaa	540
gatctctaag gtaaatataa aatttttaag tgtataatgt gttaaactac tgattcta	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 agcctctgct tttgtacaac tttcccttaa aaaactgcca attccactgc 240
tgtttgccc aatagtgaga actttttcct gctgcctctt ggtgcttttg cctatggccc 300
ctattctgcc tgctgaagac actcttgcca gcatggactt aaaccctcc agctctgaca 360
atcctctttc tcttttgtt tacatgaagg gtctggcagc caaagcaatc actcaaagtt 420
caaaccttat cttttttgc tttgttcctc ttggccttgg tttgtacat cagctttgaa 480
aataccatcc cagggttaat gctgggggta atttataact aagagtgtc tagttttgca 540
atacaggaca tgctataaaa atggaaagat ctctaaggta aatataaaat ttttaagtgt 600
ataatgtgtt aaactactga ttctaattgt ttctctctt 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
gaatgacct cagcctgttc ccgtccctga tatgggcaaa cattgcaagc agcaaacagc 60
aaacacatag atgcgtgtta gggctggaag ctacctttga catcatttcc tctgcgaatg 120
catgtataat ttctacagaa cctattagaa aggatcacc agcctctgct tttgtacaac 180
ttcccttaa aaaactgcca attccactgc tgtttgccc aatagtgaga actttttcct 240
gctgcctctt ggtgcttttg cctatggccc ctattctgcc tgctgaagac actcttgcca 300
gcatggactt aaaccctcc agctctgaca atcctctttc tcttttgtt tacatgaagg 360
gtctggcagc caaagcaatc actcaaagtt caaaccttat cttttttgc tttgttcctc 420
ttggccttgg tttgtacat cagctttgaa aataccatcc cagggttaat gctgggggta 480
atttataact aagagtgtc tagttttgca atacaggaca tgctataaaa atggaaagat 540

ctctaaggta aatataaaat ttttaagtgt ataatgtgtt aaactactga ttctaattgt	600
ttctctcttt tagattccaa cctttggaac tga	633

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

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

<400> 294	
gatgctctaa tctctctaga caaggttcat atttgtatgg gttacttatt ctctctttgt	60
tgactaagtc aataatcaga atcagcaggt ttgcagtcag attggcaggg ataagcagcc	120
tagctcagga gaagtgahta taaaagcccc aggctgggag cagccatcaa tgcgtgttag	180
ggctggaagc tacctttgac atcatttcct ctgcgaatgc atgtataatt tctacagaac	240
ctattagaaa ggatcaccca gcctctgctt ttgtacaact ttcccttaaa aaactgccaa	300
ttccactgct gtttggccca atagtgaaga 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
tttaagtgtg taatgtgtta aactactgat tctaattgtt tctctctttt agattccaac	720
ccttggaact 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 tctctctggt 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 ttttaagtga taatgtgtta aactactgat 720
tctaattggt 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
aggttaattt ttaaaaagca gtcaaaagtc caagtggccc ttggcagcat ttactctctc 60
tgtttgctct ggtaataat ctcaggagca caaacattcc agatccaggt taatttttaa 120
aaagcagtca aaagtccaag tggcccttgg cagcatttac tctctctggt tgctctgggt 180
aataatctca ggagcacaaa cattccagat ccggcgcgcc agggctggaa 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

ctcttttgtt ttacatgaag ggtctggcag ccaaagcaat cactcaaagt tcaaacctta	540
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 acccccgcc attgacgtca ataatgacgt atgttcccat	300
agtaacgcca atagggactt tccattgacg tcaatgggtg gagtatttac ggtaaactgc	360
ccacttgga gtacatcaag tgtatcatat gccaaagtcg cccctattg acgtcaatga	420

cggtaaatgg cccgcctggc attatgccca 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 acactgaaca aacttcagcc	120
tactcatgtc cctaaaatgg gcaaacattg caagcagcaa acagcaaaca cacagccctc	180
cctgcctgct gaccttggag ctggggcaga ggtcagagac ctctctgggc ccatgccacc	240
tccaacatcc actcgacccc ttggaatttc ggtggagagg agcagaggtt gtcctggcgt	300
ggtttaggta gtgtgagagg gtccgggttc aaaaccactt gctgggtggg gagtcgtcag	360
taagtggcta tgccccgacc ccgaagcctg tttcccatc tgtacaatgg aaatgataaa	420
gacgcccac tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttg tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcatctcacc acaaccttc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggTTTTctca tgTTggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcc ccacaccgg ctaatTTTT	720
ctatTTTTga 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 gaaaaaccca ttggagccaa gtacactgac tcaataggga ctttccattg 60
ggttttgccc agtacataag gtcaataggg ggtgagtcaa caggaaagtc ccattggagc 120
caagtacatt gagtcaatag ggactttcca atgggttttg cccagtacat aagggtcaatg 180
ggaggtaagc caatgggttt ttcccattac tgacatgtat actgagtcac tagggacttt 240
ccaatgggtt ttgcccagta cataaggtca ataggggtga 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 ctaaaatgg 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
gacgccccatc tgatagggtt tttgtggcaa ataaacattt ggtttttttg ttttgttttg	480
ttttgttttt tgagatggag gtttgctctg tcgcccaggc tggagtgcag tgacacaatc	540
tcattctacc acaaccttcc cctgcctcag cctcccaagt agctgggatt acaagcatgt	600
gccaccacac ctggctaatt ttctatTTTT agtagagacg ggtttctcca tgttggtcag	660
cctcagcctc ccaagtaact gggattacag gcctgtgcca ccacaccgg 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 agcagagggt	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 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 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 cgtgggttag 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 tggtaggta cttctgagg ctgaaagaac 60
 cagctgtgga atgtgtgtca gttaggggtgt ggaaagtccc caggctcccc agcaggcaga 120
 agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc 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 ctgcccaatg 60

atgtcaataa tgatgtatgt tcccatgtaa tgccaatagg gactttccat tgatgtcaat	120
gggtggagta tttatggtaa ctgcccactt ggcagtacat caagtgtatc atatgccaag	180
tatgccccct attgatgtca atgatggtaa atggcctgcc tggcattatg cccagtacat	240
gaccttatgg gactttccta cttggcagta catctatgta ttagtcattg ctatta	296

<210> 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 ttaggggttg gaaagtcccc aggctcccca gcaggcagaa	120
gtatgcaaag catgcatctc aattagtcag caaccagggtg 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 gccccgtcc gccgccgcct cgcgccgcc	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 ctgcccggcg gctgtgagcg	300
ctgcggggcgc ggcgcgggggc tttgtgcgct ccgcagtgtg cgcgagggga gcgcggccgg	360
gggcgggtgcc ccgcgggtgcg ggggggggctg cgaggggaac aaaggctgcg tgcgggggtgt	420
gtgcgtgggg gggtgagcag ggggtgtggg cgcggcggtc gggctgtaac cccccctgc	480
acccccctcc ccgagttgct gagcacggcc cggcttcggg tgcggggctc cgtacggggc	540
gtggcgcggg gctcgccgtg ccgggcgggg ggtggcgga ggtgggggtg ccgggcgggg	600
cggggccgcc tcgggccggg gagggctcgg gggaggggcg cggcgggccc cggagcgccg	660
gcggctgtcg aggcgcggcg agccgcagcc attgcctttt atggtaatcg tgcgagaggg	720
cgcagggact tcctttgtcc caaatctgtg cggagccgaa atctgggagg cgccgccgca	780
ccccctctag cgggcgcggg gcgaagcggg gcggcgccgg caggaaggaa atgggcgggg	840
agggccttcg tgcgtcgccg cgccgccgtc cccttctccc tctccagcct cggggctgtc	900
cgcgggggga cggctgcctt cgggggggac ggggcagggc ggggttcggc ttctggcgtg	960
tgaccggcgg ctctagagcc tctgctaacc atgttttagc cttcttcttt ttcctacagc	1020
tcctgggcaa cgtgctggtt attgtgctgt ctcatcattt gtcgacagaa ttcctcgaag	1080
atccgaagg gttcaagctt ggcatcccg tactgttggg 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 tcactgactg tctatgcctg ggaaagggtg 60
 ggcaggagat ggggcagtgc aggaaaagtg 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
 aagaggtaaag ggtttaaggg atggttggtt ggtggggtat taatgtttaa 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 tgttaaacta 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 tgttaaacta 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
aagaggtaa ggtttaagtt atcgtagtt cgtgcacat 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 tgttaaacta 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 acaggtttta 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 ctcttgcggt 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

caaagtccag gccctctgc tgcagcgccc gcgcgtccag aggccctgcc 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 gtcttttatt tcaggtcccg gatccggtgg tgggtgcaaatt caaagaactg 120
ctcctcagtg gatgttgctt 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 tgttcttttt gtcccgcccc ctgcgccc aa ccgcctgcgc cgccttcagg 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

ctcgagatc 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 cagggtggg ggccgcgcta tgccccgcc cctccccagc 60

cccagacacg gacccgcag 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 gggatatacat	60
ttaaagtgtta ataaaacaaa atggtggggc aatcatttac atttttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattcct	240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctgggt 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 c	581

<210> 346
 <211> 77
 <212> DNA
 <213> Artificial Sequence

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

<400> 346	
tccataaaagt aggaaacact 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 agtgtatfff cccaaggfff gaactagctc	180
ttcatttctt tatgttttaa atgcactgac ctcccacatt cccttttttag taaaatattc	240
agaaataatt taaatacatc attgcaatga aaataaatgt tttttattag gcagaatcca	300
gatgctcaag gcccttcata atatcccca gtttagtagt tggacttagg gaacaaagga	360
acctttaata gaaattggac agcaagaaag cgagc	395

<210> 349

<211> 800

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 349

agtcaatatg ttcaccccaa aaaagctgtt tgттаacttg ccaacctcat tctaaaatgt	60
atatagaagc caaaaagaca ataacaaaaa tattcttgta gaacaaaatg ggaaagaatg	120
ttccactaaa tatcaagatt tagagcaaag catgagatgt gtggggatag acagtgaggc	180
tgataaaata gagtagagct cagaaacaga cccattgata tatgtaagtг acctatgaaa	240
aaaatatggc attttacaat gggaaaatga tggctttttt ctttttttaga aaaacaggga	300
aatatattta tatgtaaaaa ataaaaggga acccatatgt cataccatac acacaaaaaa	360
attccagtga attataagtc taaatggaga aggcaaaact ttaaatcttt tagaaaataa	420
tatagaagca tgccatcaag acttcagtgt agagaaaaat ttcttatgac tcaaagtcct	480
aaccacaaag aaaagattgt taattagatt gcatgaatat taagacttat ttttaaaatt	540
aaaaaaccat taagaaaagt caggccatag aatgacagaa aatatttgca acaccccagt	600
aaagagaatt gtaatatgca gattataaaa agaagtctta caaatcagta aaaaataaaa	660
ctagacaaaa atttgaacag atgaaagaga aactctaaat aatcattaca catgagaaac	720
tcaatctcag aaatcagaga actatcattg catatacact aaattagaga 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 ttgatacctg taaagtcttt 180
atcacactac ccaataaata ataaatctct ttgttcagct ctctgtttct ataaatatgt 240
accagtttta ttgttttttag tggtagtgat ttatttctct ttctatatat atacacacac 300
atgtgtgcat tcataaatat atacaatttt tatgaataaa aaattattag caatcaatat 360
tgaaaaccac tgatttttgt ttatgtgagc aaacagcaga ttaaaag 407

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

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

<400> 351
catcacattt aaaagcatct cagcctacca tgagaataag agaaagaaaa tgaagatcaa 60
aagcttattc atctgttttt ctttttcggt 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 ttttaagatat agtgtatttt cccaagggtt gaactagctc	180
ttcattttctt tatgttttaa atgcactgac ctcccacatt cccttttttag taaaatatct	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 atgggtggggc aatcatttac atttttaggg atatgtaatt	120
actagttcag gtgtattgcc acaagacaaa catgttaaga aactttcccg ttatttacgc	180
tctgttcctg ttaatcaacc tctggattac aaaatttgtg aaagattgac tgatattctt	240
aactatgttg ctctttttac gctgtgtgga tatgctgctt tatagcctct gtatctagct	300
attgcttccc gtacggcttt cgttttctcc tccttgata aatcctgggt gctgtctctt	360
ttagaggagt tgtggcccggt tgtccgtcaa cgtggcgtgg tgtgctctgt gtttgctgac	420
gcaacccccca ctggctgggg cattgccacc acctgtcaac tcctttctgg gactttcgct	480
ttccccctcc cgatcgccac ggcagaactc atcgccgcct gccttgcccg ctgctggaca	540
ggggctaggt tgctgggcac tgataattcc gtgggtgtgt	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
 gtccttttta cgctatgtgg atacgtgct ttaatgcctt tgtatcatgc tattgcttcc 120
 cgtatggctt tcattttctc ctccttgat aaatcctggt tagttcttgc cacggcggaa 180
 ctcatgccg 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 tgttctgttt ttcttgattt gggatacat 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 cccgtgcctt ccttgaccct 60
ggaaggtgcc actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct 120
gagtaggtgt cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg 180
ggaagacaat agcaggcatg ctggggatgc ggtgggctct atggc 225

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

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

oligonucleotide"

<400> 361
aataaaagat ctttatcttc attagatctg tgtgttggtt ttttgttg 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 atttgtaacc attataagct 60

gcaataaaca agttaacaac aacaattgca ttcattttat gtttcagggt cagggggagg 120

tgtgggaggt 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 gtgggggtggg 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
tgggagggttt 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	
gtaacaaaaa 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 gtttttttagt 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 cgtttgctc 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 ctcccacacc tccccctgaa 60
 cctgaaacat aaaatgaatg caattgttgt tgtaacttg 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 ctttttcggt 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 agtggtagag 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 gctttatattg taaccattat aagctgcaat 60
aaacaagtta acaacaacaa ttgcattcat tttatgtttc aggttcaggg ggaggtgtgg 120
gaggtttttt aaa 133

<210> 377
<211> 1386
<212> DNA
<213> Homo sapiens

<400> 377
atgcagcgcg tgaacatgat catggcagaa tcaccaggcc tcatcaccat ctgcctttta 60
ggatatctac tcagtgtga atgtacagtt tttcttgatc atgaaaacgc caacaaaatt 120
ctgaatcggc caaagaggta taattcaggt aaattggaag agtttgttca aggggaacctt 180
gagagagaat gtatggaaga aaagtgtagt tttgaagaag cacgagaagt ttttgaaaac 240
actgaaagaa caactgaatt ttggaagcag tatgttgatg gagatcagtg tgagtccaat 300
ccatgtttta atggcggcag ttgcaaggat gacattaatt cctatgaatg ttggtgtccc 360
tttggttttg aaggaaagaa ctgtgaatta gatgtaacat gtaacattaa gaatggcaga 420
tgcgagcagt tttgtaaaaa tagtgctgat aacaaggtgg tttgctcctg tactgaggga 480
tatcgacttg cagaaaacca gaagtcctgt gaaccagcag tgccatttcc atgtggaaga 540
gtttctgttt cacaaacttc taagctcacc cgtgctgaga ctgtttttcc tgatgtggac 600
tatgtaaatt ctactgaagc tgaaaccatt ttggataaca tcaactcaaag cacccaatca 660
tttaatgact tcactcgggt tgttggtgga gaagatgcca aaccaggtca attcccttgg 720
caggttgttt tgaatggtaa agttgatgca ttctgtggag gctctatcgt taatgaaaaa 780

tggtattgtaa ctgctgcccc ctgtgttgaa actggtgtta aaattacagt tgtcgcaggt	840
gaacataata ttgaggagac agaacataca gagcaaaagc gaaatgtgat tcgaattatt	900
cctcaccaca actacaatgc agctattaat aagtacaacc atgacattgc ctttctggaa	960
ctggacgaac ccttagtgct aaacagctac gttacaccta tttgcattgc tgacaaggaa	1020
tacacgaaca tcttcctcaa atttgatct ggctatgtaa gtggctgggg aagagtcttc	1080
cacaaaggga gatcagcttt agttcttcag taccttagag ttccacttgt tgaccgagcc	1140
acatgtcttc gatctacaaa gttcaccatc tataacaaca tgttctgtgc tggcttccat	1200
gaaggaggta gagattcatg tcaaggagat agtgggggac cccatgttac tgaagtggaa	1260
gggaccagtt tcttaactgg aattattagc tggggtgaag agtgtgcaat gaaaggcaaa	1320
tatggaatat ataccaaggt atcccgggtat gtcaactgga ttaaggaaaa aacaaagctc	1380
acttaa	1386

<210> 378
 <211> 461
 <212> PRT
 <213> Homo sapiens

<400> 378

Met	Gln	Arg	Val	Asn	Met	Ile	Met	Ala	Glu	Ser	Pro	Gly	Leu	Ile	Thr
1				5					10					15	
Ile	Cys	Leu	Leu	Gly	Tyr	Leu	Leu	Ser	Ala	Glu	Cys	Thr	Val	Phe	Leu
			20					25					30		
Asp	His	Glu	Asn	Ala	Asn	Lys	Ile	Leu	Asn	Arg	Pro	Lys	Arg	Tyr	Asn
		35					40					45			
Ser	Gly	Lys	Leu	Glu	Glu	Phe	Val	Gln	Gly	Asn	Leu	Glu	Arg	Glu	Cys
	50					55					60				
Met	Glu	Glu	Lys	Cys	Ser	Phe	Glu	Glu	Ala	Arg	Glu	Val	Phe	Glu	Asn
65					70					75				80	
Thr	Glu	Arg	Thr	Thr	Glu	Phe	Trp	Lys	Gln	Tyr	Val	Asp	Gly	Asp	Gln
			85						90					95	
Cys	Glu	Ser	Asn	Pro	Cys	Leu	Asn	Gly	Gly	Ser	Cys	Lys	Asp	Asp	Ile

100					105					110					
Asn	Ser	Tyr	Glu	Cys	Trp	Cys	Pro	Phe	Gly	Phe	Glu	Gly	Lys	Asn	Cys
		115					120					125			
Glu	Leu	Asp	Val	Thr	Cys	Asn	Ile	Lys	Asn	Gly	Arg	Cys	Glu	Gln	Phe
	130					135					140				
Cys	Lys	Asn	Ser	Ala	Asp	Asn	Lys	Val	Val	Cys	Ser	Cys	Thr	Glu	Gly
145					150					155					160
Tyr	Arg	Leu	Ala	Glu	Asn	Gln	Lys	Ser	Cys	Glu	Pro	Ala	Val	Pro	Phe
				165						170				175	
Pro	Cys	Gly	Arg	Val	Ser	Val	Ser	Gln	Thr	Ser	Lys	Leu	Thr	Arg	Ala
			180					185					190		
Glu	Thr	Val	Phe	Pro	Asp	Val	Asp	Tyr	Val	Asn	Ser	Thr	Glu	Ala	Glu
		195					200					205			
Thr	Ile	Leu	Asp	Asn	Ile	Thr	Gln	Ser	Thr	Gln	Ser	Phe	Asn	Asp	Phe
	210					215					220				
Thr	Arg	Val	Val	Gly	Gly	Glu	Asp	Ala	Lys	Pro	Gly	Gln	Phe	Pro	Trp
225					230					235					240
Gln	Val	Val	Leu	Asn	Gly	Lys	Val	Asp	Ala	Phe	Cys	Gly	Gly	Ser	Ile
				245					250					255	
Val	Asn	Glu	Lys	Trp	Ile	Val	Thr	Ala	Ala	His	Cys	Val	Glu	Thr	Gly
			260					265					270		
Val	Lys	Ile	Thr	Val	Val	Ala	Gly	Glu	His	Asn	Ile	Glu	Glu	Thr	Glu
		275					280					285			
His	Thr	Glu	Gln	Lys	Arg	Asn	Val	Ile	Arg	Ile	Ile	Pro	His	His	Asn
	290					295					300				
Tyr	Asn	Ala	Ala	Ile	Asn	Lys	Tyr	Asn	His	Asp	Ile	Ala	Leu	Leu	Glu
305					310					315					320

Leu Asp Glu Pro Leu Val Leu Asn Ser Tyr Val Thr Pro Ile Cys Ile
325 330 335

Ala Asp Lys Glu Tyr Thr Asn Ile Phe Leu Lys Phe Gly Ser Gly Tyr
340 345 350

Val Ser Gly Trp Gly Arg Val Phe His Lys Gly Arg Ser Ala Leu Val
355 360 365

Leu Gln Tyr Leu Arg Val Pro Leu Val Asp Arg Ala Thr Cys Leu Arg
370 375 380

Ser Thr Lys Phe Thr Ile Tyr Asn Asn Met Phe Cys Ala Gly Phe His
385 390 395 400

Glu Gly Gly Arg Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro His Val
405 410 415

Thr Glu Val Glu Gly Thr Ser Phe Leu Thr Gly Ile Ile Ser Trp Gly
420 425 430

Glu Glu Cys Ala Met Lys Gly Lys Tyr Gly Ile Tyr Thr Lys Val Ser
435 440 445

Arg Tyr Val Asn Trp Ile Lys Glu Lys Thr Lys Leu Thr
450 455 460

<210> 379
<211> 2688
<212> DNA
<213> Homo sapiens

<400> 379
accactttca caatctgcta gcaaaggtta tgcagcgcgt gaacatgatc atggcagaat 60
caccaggcct catcaccatc tgccttttag gatattctact cagtgtctgaa tgtacagttt 120
ttcttgatca tgaaaacgcc aacaaaattc tgaatcggcc aaagaggat aattcaggta 180
aattggaaga gtttgttcaa gggaaccttg agagagaatg tatggaagaa aagtgtagtt 240
ttgaagaagc acgagaagtt ttgaaaaca ctgaaagaac aactgaattt tggaagcagt 300
atgttgatgt aacatgtaac attaagaatg gcagatgcga gcagttttgt aaaaatagtg 360

ctgataacaa ggtggtttgc tcctgtactg agggatatcg acttgcagaa aaccagaagt	420
cctgtgaacc agcagtgcc a tttccatgtg gaagagtttc tgtttcaca a acttctaagc	480
tcacccgtgc tgagactggt tttcctgatg tggactatgt aaattctact gaagctgaaa	540
ccattttgga taacatcact caaagcacc aatcatttaa tgacttcact cgggttggtg	600
gtggagaaga tgccaaacca ggtcaattcc cttggcaggt tgttttgaat ggtaaagttg	660
atgcattctg tggaggctct atcgttaatg aaaaatggat tgtaactgct gccactgtg	720
ttgaaactgg tgtaaaaatt acagttgtcg caggtgaaca taatattgag gagacagaac	780
atacagagca aaagcgaaat gtgattcgaa ttattcctca ccacaactac aatgcagcta	840
ttaataagta caacatgac attgcccttc tggaactgga cgaaccctta gtgctaaaca	900
gctacgttac acctatttgc attgctgaca aggaatacac gaacatcttc ctcaaatttg	960
gatctggcta tgtaagtggc tggggaagag tcttccaca agggagatca gctttagttc	1020
ttcagtacct tagagttcca cttgttgacc gagccacatg tcttcgatct acaaagttca	1080
ccatctataa caacatgttc tgtgctggct tccatgaagg aggtagagat tcatgtcaag	1140
gagatagtg gggaccccat gttactgaag tggaaggac cagtttctta actggaatta	1200
ttagctgggg tgaagagtgt gcaatgaaag gcaaatatgg aatatatacc aaggtatccc	1260
ggtatgtcaa ctggattaag gaaaaaaca agctcactta atgaaagatg gatttccaag	1320
gttaattcat tggaattgaa aattaacagg gcctctcact aactaatcac tttcccatct	1380
tttgtagat ttgaatata acattctatg atcattgctt tttctcttta caggggagaa	1440
tttcatattt tacctgagca aattgattag aaaatggaac cactagagga atataatgtg	1500
ttaggaaatt acagtcattt ctaagggcc agcccttgac aaaattgtga agttaaatc	1560
tccactctgt ccatcagata ctatggttct ccactatggc aactaactca ctcaattttc	1620
cctccttagc agcattccat cttcccgatc ttctttgctt ctccaaccaa aacatcaatg	1680
tttattagtt ctgtatacag tacaggatct ttggtctact ctatcacaag gccagtacca	1740
cactcatgaa gaaagaacac aggagtagct gagaggctaa aactcatcaa aaacactact	1800
ccttttcctc taccctattc ctcaatctt taccttttcc aaatcccaat ccccaaatca	1860
gtttttctct ttcttactcc ctctctccct ttaccctcc atggctgtta aaggagagat	1920
ggggagcatc attctgttat acttctgtac acagttatac atgtctatca aaccagact	1980

tgcttccgta gtggagactt gcttttcaga acatagggat gaagtaaggt gcctgaaaag	2040
tttgggggaa aagtttcttt cagagagtta agttatttta tatatataat atatatataa	2100
aatatataat atacaatata aatatatagt gtgtgtgtat gcgtgtgtgt agacacacac	2160
gcatacacac atataatgga agcaataagc cattctaaga gcttgtatgg ttatggaggt	2220
ctgactaggc atgatttcac gaaggcaaga ttggcatatc attgtaacta aaaaagctga	2280
cattgacca gacatatgtt actctttcta aaaataataa taataatgct aacagaaaga	2340
agagaaccgt tcgtttgcaa tctacagcta gtagagactt tgaggaagaa ttcaacagtg	2400
tgtcttcagc agtgttcaga gccaagcaag aagttgaagt tgcctagacc agaggacata	2460
agtatcatgt ctctttaac tagcataccc cgaagtggag aagggtgcag caggctcaaa	2520
ggcataagtc attccaatca gccaactaag ttgtcctttt ctggtttcgt gttcaccatg	2580
gaacattttg attatagtta atccttctat cttgaatctt ctagagagtt gctgaccaac	2640
tgacgtatgt ttccctttgt gaattaataa actggtgttc tggttcat	2688

<210> 380

<211> 423

<212> PRT

<213> Homo sapiens

<400> 380

Met	Gln	Arg	Val	Asn	Met	Ile	Met	Ala	Glu	Ser	Pro	Gly	Leu	Ile	Thr
1				5				10					15		

Ile	Cys	Leu	Leu	Gly	Tyr	Leu	Leu	Ser	Ala	Glu	Cys	Thr	Val	Phe	Leu
		20						25					30		

Asp	His	Glu	Asn	Ala	Asn	Lys	Ile	Leu	Asn	Arg	Pro	Lys	Arg	Tyr	Asn
		35					40					45			

Ser	Gly	Lys	Leu	Glu	Glu	Phe	Val	Gln	Gly	Asn	Leu	Glu	Arg	Glu	Cys
	50					55					60				

Met	Glu	Glu	Lys	Cys	Ser	Phe	Glu	Glu	Ala	Arg	Glu	Val	Phe	Glu	Asn
65					70				75					80	

Thr	Glu	Arg	Thr	Thr	Glu	Phe	Trp	Lys	Gln	Tyr	Val	Asp	Val	Thr	Cys
			85						90					95	

Asn Ile Lys Asn Gly Arg Cys Glu Gln Phe Cys Lys Asn Ser Ala Asp
100 105 110

Asn Lys Val Val Cys Ser Cys Thr Glu Gly Tyr Arg Leu Ala Glu Asn
115 120 125

Gln Lys Ser Cys Glu Pro Ala Val Pro Phe Pro Cys Gly Arg Val Ser
130 135 140

Val Ser Gln Thr Ser Lys Leu Thr Arg Ala Glu Thr Val Phe Pro Asp
145 150 155 160

Val Asp Tyr Val Asn Ser Thr Glu Ala Glu Thr Ile Leu Asp Asn Ile
165 170 175

Thr Gln Ser Thr Gln Ser Phe Asn Asp Phe Thr Arg Val Val Gly Gly
180 185 190

Glu Asp Ala Lys Pro Gly Gln Phe Pro Trp Gln Val Val Leu Asn Gly
195 200 205

Lys Val Asp Ala Phe Cys Gly Gly Ser Ile Val Asn Glu Lys Trp Ile
210 215 220

Val Thr Ala Ala His Cys Val Glu Thr Gly Val Lys Ile Thr Val Val
225 230 235 240

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

Asn Val Ile Arg Ile Ile Pro His His Asn Tyr Asn Ala Ala Ile Asn
260 265 270

Lys Tyr Asn His Asp Ile Ala Leu Leu Glu Leu Asp Glu Pro Leu Val
275 280 285

Leu Asn Ser Tyr Val Thr Pro Ile Cys Ile Ala Asp Lys Glu Tyr Thr
290 295 300

Asn Ile Phe Leu Lys Phe Gly Ser Gly Tyr Val Ser Gly Trp Gly Arg
305 310 315 320

Val Phe His Lys Gly Arg Ser Ala Leu Val Leu Gln Tyr Leu Arg Val
325 330 335

Pro Leu Val Asp Arg Ala Thr Cys Leu Arg Ser Thr Lys Phe Thr Ile
340 345 350

Tyr Asn Asn Met Phe Cys Ala Gly Phe His Glu Gly Gly Arg Asp Ser
355 360 365

Cys Gln Gly Asp Ser Gly Gly Pro His Val Thr Glu Val Glu Gly Thr
370 375 380

Ser Phe Leu Thr Gly Ile Ile Ser Trp Gly Glu Glu Cys Ala Met Lys
385 390 395 400

Gly Lys Tyr Gly Ile Tyr Thr Lys Val Ser Arg Tyr Val Asn Trp Ile
405 410 415

Lys Glu Lys Thr Lys Leu Thr
420

<210> 381

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 381

atgcagaggg tgaacatgat catggctgag agccctggcc tgatcaccat ctgcctgctg 60

ggctacctgc tgtctgctga gtgcactgtg ttcctggacc atgagaatgc caacaagatc 120

ctgaacaggc ccaagagata caactctggc aagctggagg agtttgtgca gggcaacctg 180

gagagggagt gcatggagga gaagtgcagc tttgaggagg ccaggagggt gtttgagaac 240

actgagagga ccactgagtt ctggaagcag tatgtggatg gggaccagtg tgagagcaac 300

ccctgcctga atgggggcag ctgcaaggat gacatcaaca gctatgagtg ctggtgcccc 360

tttggctttg agggcaagaa ctgtgagctg gatgtgacct gcaacatcaa gaatggcaga	420
tgtgagcagt tctgcaagaa ctctgctgac aacaaggtgg tgtgcagctg cactgagggc	480
tacaggctgg ctgagaacca gaagagctgt gagcctgctg tgccattccc atgtggcaga	540
gtgtctgtga gccagaccag caagctgacc agggctgagg ctgtgttccc tgatgtggac	600
tatgtgaaca gactgaggc tgaaaccatc ctggacaaca tcaccagag caccagagc	660
ttcaatgact tcaccaggt ggtggggggg gaggatgcca agcctggcca gttcccctgg	720
caagtgggtgc tgaatggcaa ggtggatgcc ttctgtgggg gcagcattgt gaatgagaag	780
tggattgtga ctgctgccc ctgtgtggag actggggtga agatcactgt ggtggctggg	840
gagcacaaca ttgaggagac tgagcacact gagcagaaga ggaatgtgat caggatcatc	900
ccccaccaca actacaatgc tgccatcaac aagtacaacc atgacattgc cctgctggag	960
ctggatgagc ccctgggtgct gaacagctat gtgaccccc tctgcattgc tgacaaggag	1020
tacaccaaca tcttcctgaa gtttggctct ggctatgtgt ctggctgggg cagggtgttc	1080
cacaagggca ggtctgccct ggtgctgcag tacctgaggg tgcccctggt ggacagggcc	1140
acctgcctga ggagcaccaa gttcaccatc tacaacaaca tgttctgtgc tggcttccat	1200
gaggggggca gggacagctg ccagggggac tctgggggcc cccatgtgac tgaggtggag	1260
ggcaccagct tcctgactgg catcatcagc tggggggagg agtgtgccat gaagggaag	1320
tatggcatct acaccaaagt ctccagatat gtgaactgga tcaaggagaa gaccaagctg	1380
acctga	1386

<210> 382

<211> 2824

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 382

atgcagaggg tgaacatgat catggctgag agccctggcc tgatcaccat ctgcctgctg	60
---	----

ggctacctgc tgtctgctga atgtacaggt ttgtttcctt ttttataata cattgagtat	120
---	-----

gcttgccctt tagatataga aatatctgat tctgtcttct tcactaaatt ttgattacat	180
---	-----

gatttgacag caatattgaa gagtctaaca gccagcaccc aggttggttaa gtactggttc	240
tttgtagct aggttttctt cttcttcact tttaaaacta aatagatgga caatgcttat	300
gatgcaataa ggtttaataa acactgttca gttcagtatt tggatcatgta attcctgtta	360
aaaaacagtc atctccttgg tttaaaaaaaa ttaaaagtgg gaaaacaaag aaatagcaga	420
atatagttaa aaaaaataac cacagtatct ttgtttggac ttaccacttt gaaatcaaat	480
tgggaaacaa aagcacaac agtggcctta tttacacaaa aagtctgatt ttaagatatg	540
tgacaattca aggtttcaga agtatgtaag gaggtgtgtc tctaattttt taaattatat	600
atcttcaatt taaagtttta gttaaaacat aaagattaac ctttcattag caagctgtta	660
gttatcacca aagcttttca tggattagga aaaaatcatt ttgtctctat ctcaaacc	720
ttggagttga tatttgggga aacacaatac tcagttgagt tccctagggg agaaaagcaa	780
gcttaagaat tgacacaaag agtaggaagt tagctattgc aacatatatc actttgtttt	840
ttcacaacta cagtgacttt atttatttcc cagaggaagg catacaggga agaaattatc	900
ccatttggac aaacagcatg ttctcacagt aagcacttat cacacttact tgtcaacttt	960
ctagaatcaa atctagtagc tgacagtacc aggatcaggg gtgccaaccc taagcacccc	1020
cagaaagctg actggccctg tggttccac tccagacatg atgtcagctg tgaaatccac	1080
ctccctggac cataattagg cttctgttct tcaggagaca tttgttcaaa gtcatttggg	1140
caaccatatt ctgaaaacag cccagccagg gtgatggatc actttgcaaa gatcctcaat	1200
gagctatttt caagtgatga caaagtgtga agttaagggc tcatttgaga actttctttt	1260
tcatccaaag taaattcaaa tatgattaga aatctgacct tttattactg gaattctctt	1320
gactaaaagt aaaattgaat ttttaattcct aaatctccat gtgtatacag tactgtggga	1380
acatcacaga ttttggctcc atgccctaaa gagaaattgg ctttcagatt atttggatta	1440
aaaacaaaga ctttcttaag agatgtaaaa ttttcatgat gttttctttt ttgctaaaac	1500
taaagaatta ttcttttaca tttcagtttt tcttgatcat gaaaatgcca acaaaattct	1560
gaatagacca aagaggtata actctggcaa gcttgaagag tttgtacagg ggaatctgga	1620
gagagagtgt atggaagaga agtgcagctt tgaggaagcc agagaagtgt ttgaaaatac	1680
agagagaaca actgaatttt ggaagcagta tgtggatggt gatcaatgtg agagcaatcc	1740
ctgcttgaat ggggggagct gtaaagatga tatcaacagc tatgaatgtt ggtgtccctt	1800

tggatttgag gggaaaaact gtgagcttga tgtgacctgt aatatcaaga atggcaggtg	1860
tgagcaattt tgcaagaatt ctgctgataa caaagtggtc tgtagctgca ctgagggata	1920
taggctggct gaaaaccaga agagctgtga acctgcagt ccttttcct gtgggagagt	1980
gtctgtgagc caaaccagca agctgactag ggctgaagca gtctttcctg atgtagatta	2040
tgtgaatagc actgaggctg agacaatcct tgacaatcct actcagagca cacagagctt	2100
caatgacttc accaggggtg taggagggga ggatgccaa cctgggcagt tcccctggca	2160
ggtagtgctc aatggaaaag tggatgcctt ttgtggaggt tcaattgtaa atgagaagtg	2220
gattgtgact gcagcccact gtgtggaaac tggagtcaag attactgtgg tggctggaga	2280
gcacaatatt gaggaaactg agcacactga gcagaagagg aatgtgatca ggattatccc	2340
ccaccacaac tacaatgctg ctatcaacaa gtacaacat gacattgccc tcctggaact	2400
ggatgaaccc ctggctctga acagctatgt gacacccatc tgtattgctg ataaagagta	2460
caccaacatc ttcttgaaat ttgggtctgg atatgtgtct ggctggggca ggggtgttcca	2520
taaaggcagg tctgccctgg tattgcagta tttgaggggtg cctctgggtg atagagcaac	2580
ctgcttgctg agcaccaagt ttacaatcta caacaatatg ttctgtgcag ggttccatga	2640
agggtgtaga gacagctgcc agggagattc tgggggtccc catgtgactg aggtggaggg	2700
aaccagcttc ctgactggga ttatcagctg gggtagaggag tgtgctatga agggaaagta	2760
tgggatctac acaaaagtat ccagatatgt gaactggatt aaggagaaaa ccaagctgac	2820
ttga	2824

<210> 383

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 383

atgcagaggg tgaacatgat catggctgag agccctggcc tgatcaccat ctgcctgctg	60
ggctacctgc tgtctgctga atgtacagtt tttcttgatc atgaaaatgc caacaaaatt	120
ctgaatagac caaagaggta taactctggc aagcttgaag agtttgtaca ggggaatctg	180

gagagagagt gtatggaaga gaagtgcagc tttgaggaag ccagagaagt gtttgaaaat	240
acagagagaa caactgaatt ttggaagcag tatgtggatg gtgatcaatg tgagagcaat	300
ccctgcttga atggggggag ctgtaaagat gatatcaaca gctatgaatg ttggtgtccc	360
tttgattttg aggggaaaaa ctgtgagctt gatgtgacct gtaatatcaa gaatggcagg	420
tgtgagcaat tttgcaagaa ttctgctgat aacaaagtgg tctgtagctg cactgaggga	480
tataggctgg ctgaaaacca gaagagctgt gaacctgcag tgccttttcc ctgtgggaga	540
gtgtctgtga gccaaaccag caagctgact agggctgaag cagtctttcc tgatgtagat	600
tatgtgaata gcactgaggc tgagacaatc cttgacaata tcactcagag cacacagagc	660
ttcaatgact tcaccagggt ggtaggaggg gaggatgcca agcctgggca gttcccctgg	720
caggtagtgc tcaatggaaa agtggatgcc ttttgtggag gttcaattgt aaatgagaag	780
tggattgtga ctgcagccca ctgtgtggaa actggagtca agattactgt ggtggctgga	840
gagcacaata ttgaggaaac tgagcacact gagcagaaga ggaatgtgat caggattatc	900
ccccaccaca actacaatgc tgctatcaac aagtacaacc atgacattgc cctcctggaa	960
ctggatgaac ccctgggtctt gaacagctat gtgacacca tctgtattgc tgataaagag	1020
tacaccaaca tcttcttgaa atttgggtct ggatatgtgt ctggctgggg cagggtgttc	1080
cataaaggca ggtctgccct ggtattgcag tatttgaggg tgcctctggt ggatagagca	1140
acctgcttgc tgagcaccaa gtttacaatc tacaacaata tgttctgtgc agggttccat	1200
gaaggtggta gagacagctg ccaggagat tctgggggtc cccatgtgac tgaggtggag	1260
ggaaccagct tcctgactgg gattatcagc tggggtgagg agtgtgctat gaagggaaag	1320
tatgggatct acacaaaagt atccagatat gtgaactgga ttaaggagaa aaccaagctg	1380
acttga	1386

<210> 384

<211> 1386

<212> DNA

<213> Homo sapiens

<400> 384

atgcagcgcg tgaacatgat catggcagaa tcaccaggcc tcatcaccat ctgcctttta	60
---	----

ggatatctac tcagtgtga atgtacagtt tttcttgatc atgaaaacgc caacaaaatt	120
--	-----

ctgaatcggc caaagaggtg taattcaggt aaattggaag agtttggttca aggggaacctt	180
gagagagaat gtatggaaga aaagtgtagt tttgaagaag cacgagaagt ttttgaaaac	240
actgaaagaa caactgaatt ttggaagcag tatgttgatg gagatcagtg tgagtccaat	300
ccatgtttta atggcggcag ttgcaaggat gacattaatt cctatgaatg ttggtgtccc	360
tttggttttg aaggaaagaa ctgtgaatta gatgtaacat gtaacattaa gaatggcaga	420
tgcgagcagt tttgtaaaaa tagtgctgat aacaagggtgg tttgctcctg tactgaggga	480
tatcgacttg cagaaaacca gaagtcctgt gaaccagcag tgccatttcc atgtggaaga	540
gtttctgttt cacaaacttc taagctcacc cgtgctgaga ctgtttttcc tgatgtggac	600
tatgtaaatt ctactgaagc tgaaaccatt ttggataaca tcactcaaag cacccaatca	660
tttaatgact tcactcgggt tgttggtgga gaagatgcca aaccagggtca attcccttgg	720
caggttgttt tgaatggtaa agttgatgca ttctgtggag gctctatcgt taatgaaaaa	780
tggattgtaa ctgctgcccc ctgtgttgaa actggtgtta aaattacagt tgtcgcaggt	840
gaacataata ttgaggagac agaacataca gagcaaaagc gaaatgtgat tcgaattatt	900
cctcaccaca actacaatgc agctattaat aagtacaacc atgacattgc ctttctggaa	960
ctggacgaac ccttagtgct aaacagctac gttacaccta tttgcattgc tgacaaggaa	1020
tacacgaaca tcttcctcaa atttggatct ggctatgtaa gtggctgggg aagagtcttc	1080
cacaaaggga gatcagcttt agttcttcag taccttagag ttccacttgt tgaccgagcc	1140
acatgtcttc gatctacaaa gttcaccatc tataacaaca tgttctgtgc tggcttccat	1200
gaaggaggta gagattcatg tcaaggagat agtgggggac cccatgttac tgaagtggaa	1260
gggaccagtt tcttaactgg aattattagc tggggtgaag agtgtgcaat gaaaggcaaa	1320
tatggaatat ataccaaggt atcccgggtat gtcaactgga ttaaggaaaa aacaaagctc	1380
acttaa	1386

<210> 385

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 385

atgcagcgcg tgaacatgat catggccgag agccccggcc tgatcaccat ctgcctgctg	60
ggctacctgc tgagcgccga gtgcaccgtg ttcctggacc acgagaacgc caacaagatc	120
ctgaaccgcc ccaagcgcta caacagcggc aagctggagg agttcgtgca gggcaacctg	180
gagcgcgagt gcatggagga gaagtgcagc ttcgaggagg cccgcgaggt gttcgagaac	240
accgagcgca ccaccgagtt ctggaagcag tacgtggacg gcgaccagtg cgagagcaac	300
ccctgcctga acggcggcag ctgcaaggac gacatcaaca gctacgagtg ctggtgcccc	360
ttcggcttcg agggcaagaa ctgcgagctg gacgtgacct gcaacatcaa gaacggccgc	420
tgcgagcagt tctgcaagaa cagcgccgac aacaaggtgg tgtgcagctg caccgagggc	480
taccgcctgg ccgagaacca gaagagctgc gagcccgccg tgcccttccc ctgcggcagg	540
gtgagcgtga gccagaccag caagctgacc cgcgccgagg ccgtgttccc cgacgtggac	600
tacgtgaaca gcaccgaggc cgagaccatc ctggacaaca tcaccagag caccagagc	660
ttcaacgact tcacccgct ggtgggcggc gaggacgcca agcccgcca gttcccctgg	720
caggtggtgc tgaacggcaa ggtggacgcc ttctgcggcg gcagcatcgt gaacgagaag	780
tggatcgtga ccgccgcca ctgcgtggag accggcgtga agatcaccgt ggtggccggc	840
gagcacaaca tcgaggagac cgagcacacc gagcagaagc gcaacgtgat ccgcatcatc	900
ccccaccaca actacaacgc cgccatcaac aagtacaacc acgacatcgc cctgctggag	960
ctggacgagc ccctggtgct gaacagctac gtgaccccc tctgcatcgc cgacaaggag	1020
tacaccaaca tcttcctgaa gttcggcagc ggctacgtga gcggctgggg ccgctgttc	1080
cacaagggcc gcagcgccct ggtgctgcag tacctgcgcg tgcccctggt ggaccgcgcc	1140
acctgcctgc tgagcaccaa gttcaccatc tacaacaaca tgttctgcgc cggcttccac	1200
gagggcggca gggacagctg ccagggcgac agcggcggcc cccacgtgac cgaggtggag	1260
ggcaccagct tcctgaccgg catcatcagc tggggcgagg agtgcgccat gaagggaag	1320
tacggcatct acaccaaggt gagccgctac gtgaactgga tcaaggagaa gaccaagctg	1380
acctaa	1386

<210> 386

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 386

atgcagcgcg tgaacatgat catggccgag agccccggcc tgatcaccat ctgcctgctg	60
ggctacctgc tgagcgccga gtgcaccgtg ttcctggacc acgagaacgc caacaagatc	120
ctgaaccgcc ccaagcgcta caacagcggc aagctggagg agttcgtgca gggcaacctg	180
gagcgcgagt gcatggagga gaagtgcagc ttcgaggagg cccgcgaggt gttcgagaac	240
accgagcgca ccaccgagtt ctggaagcag tacgtggacg gcgaccagtg cgagagcaac	300
ccctgcctga acggcggcag ctgcaaggac gacatcaaca gctacgagtg ctggtgcccc	360
ttcggcttcg agggcaagaa ctgcgagctg gacgtgacct gcaacatcaa gaacggccgc	420
tgcgagcagt tctgcaagaa cagcgccgac aacaaggtgg tgtgcagctg caccgagggc	480
taccgcctgg ccgagaacca gaagagctgc gagcccgccg tgcccttccc ctgcggcagg	540
gtgagcgtga gccagaccag caagctgacc cgcgccgagg ccgtgttccc cgacgtggac	600
tacgtgaaca gcaccgaggc cgagaccatc ctggacaaca tcaccagag caccagagc	660
ttcaacgact tcacccgcgt ggtgggcggc gaggacgcca agcccggcca gttcccctgg	720
caggtggtgc tgaacggcaa ggtggacgcc ttctgcggcg gcagcatcgt gaacgagaag	780
tggatcgtga ccgccgccca ctgcgtggag accggcgtga agatcacctg ggtggccggc	840
gagcacaaca tcgaggagac cgagcacacc gagcagaagc gcaacgtgat ccgcatcatc	900
ccccaccaca actacaacgc cgccatcaac aagtacaacc acgacatcgc cctgctggag	960
ctggacgagc ccctggtgct gaacagctac gtgaccccc a tctgcatcgc cgacaaggag	1020
tacaccaaca tcttcctgaa gttcggcagc ggctacgtga gcggctgggg ccgcgtgttc	1080
cacaagggcc gcagcgccct ggtgctgcag tacctgcgcg tgcccctggt ggaccgcgcc	1140
acctgcctgc gcagcaccaa gttcaccatc tacaacaaca tgttctgcgc cggcttccac	1200
gagggcggca gggacagctg ccagggcgac agcggcggcc cccacgtgac cgaggtggag	1260
ggcaccagct tcctgaccgg catcatcagc tggggcgagg agtgcgccat gaagggaag	1320
tacggcatct acaccaaggt gagccgctac gtgaactgga tcaaggagaa gaccaagctg	1380

acctaa

1386

<210> 387

<211> 1359

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 387

atggccgagg ccagcggcct ggtgaccgtg tgcctgctgg gctacctgct gagcgccgag	60
tgcgccgtgt tcctggaccg cgagaacgcc accaagatcc tgagccgccc caagcgctac	120
aacagcggca agctggagga gttcgtgctg ggcaacctgg agcgcgagtg catcgaggag	180
aagtgcagct tcgaggaggc ccgcgaggtg ttcgagaaca ccgagaagac caccgagttc	240
tggaagcagt acgtggaccg cgaccagtgc gagagcaacc cctgcctgaa cgacggcgtg	300
tgcaaggacg acatcaacag ctacgagtgc tggtgccgcg ccggcttcga gggcaagaac	360
tgcgagctgg acgtgacctg caacatcaag aacggccgct gcaagcagtt ctgcaagctg	420
ggccccgaca acaaggtggt gtgcagctgc accaccggct accagctggc cgaggaccag	480
cgcagctgcg agccccccgt gcccttcccc tgcggcaggg tgagcgtgcc ccacatcagc	540
atgacccgca cccgcgccga gaccctgttc agcaacatgg actacgagaa cagcaccgag	600
gtggagaaga tcctggacaa cgtgaccag cccctgaacg acttcacccg cgtggtgggc	660
ggcaaggacg ccaagcccgg ccagttcccc tggcaggtgc tgctgaacgg caaggtggac	720
gccttctgcg gcggcagcat catcaacgag aagtgggtgg tgaccgccgc cactgcatc	780
gagcccgacg tgaagatcac catcgtggcc ggcgagcaca acaccgagaa gcgcgagcac	840
accgagcaga agcgcaacgt gatccgcacc atcctgcacc acagctacaa cgccaccatc	900
aacaagtaca accacgacat cgccctgctg gagctggacg agcccctgac cctgaacagc	960
tacgtgaccc ccatctgcat cgccgaccgc gagtacagca acatcttcct gaagttcggc	1020
agcggctacg tgagcggctg gggccgcgtg ttcaacaagg gccgcagcgc cagcatcctg	1080
cagtacctga aggtgcccct ggtggaccgc gccacctgcc tgcgcagcac caagttcacc	1140
atctacaaca acatgttctg cgccggcttc cacgagggcg gcaaggacag ctgccagggc	1200

gacagcggcg gccccacgt gaccgaggtg gagggcatca gcttcctgac cggcatcatc	1260
agctggggcg aggagtgcgc catgaagggc aagtacggca tctacaccaa ggtgagccgc	1320
tacgtgaact ggatcaagga gaagaccaag ctgacctaa	1359

<210> 388
 <211> 1386
 <212> DNA
 <213> Artificial Sequence

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

<400> 388	
atgcagcgcg tgaacatgat tatggccgag tctcccggcc tgatcaccat ctgtctgctg	60
ggctatctgc tgagcgccga gtgcaccgtg tttctggatc acgagaacgc caacaagatc	120
ctgaacagac ccaagcggta caacagcggc aagctggaag agttcgtgca gggcaacctg	180
gaacgcgagt gcatggaaga gaagtgcagc ttcgaagagg ccagagaggt gttcgagaac	240
accgagagaa ccaccgagtt ctggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccttgtctga atggcggcag ctgcaaggac gacatcaaca gctacgagtg ctggtgcccc	360
ttcggcttcg agggcaagaa ttgcgagctg gacgtgacct gcaacatcaa gaacggcaga	420
tgcgagcagt tctgcaagaa cagcgccgac aacaaggctg tgtgctcctg cacagagggc	480
tacagactgg ccgagaacca gaagtcttgc gagcccgctg tgccctttcc atgtggcaga	540
gtgtctgtgt cccagaccag caagctgacc agagccgaag ccgtgtttcc cgacgtggac	600
tacgtgaaca gcaccgaggc cgagacaatc ctggacaaca tcaccagag caccagttcc	660
ttcaacgact tcaccagagt cgtcggcggc gaggatgcta agcctggaca gtttccttgg	720
caagtgggtgc tgaacggcaa ggtggacgct ttttgtggcg gctccatcgt gaacgagaag	780
tggatcgtga ccgccgctca ctgtgtggaa accggcgtga agattacagt ggtggccggc	840
gagcacaaca tcgaggaaac agagcacacc gagcagaaac ggaacgtgat cagaatcatc	900
cctcaccaca actacaacgc cgccatcaac aagtacaacc acgatatcgc cctgctggaa	960
ctggacgagc ccctggctct gaactcttac gtgacccta tctgtatcgc cgacaaagag	1020
tacaccaaca tctttctgaa gttcggcagc ggctacgtgt ccggctgggg aagagttttc	1080

cacaagggca gatcagccct ggtgctgcag tacctgagag tgcccctggt ggatagagcc	1140
acatgcctgc tgagcaccaa gttcaccatc tacaacaaca tgttctgcgc cggcttccac	1200
gaaggcggca gagattcttg tcaaggcgat tctggcggcc ctcacgtgac agaggttgag	1260
ggcacaagct ttctgaccgg catcatcagc tggggcgaag agtgtgccat gaaggggaag	1320
tacggcatct acaccaaggt gtccagatac gtgaactgga tcaaagaaaa gaccaagctc	1380
acctag	1386

<210> 389

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 389

atgcagcgcg tgaacatgat tatggccgag tctcccggcc tgatcaccat ctgtctgctg	60
ggctatctgc tgagcgccga gtgcaccgtg tttctggatc acgagaacgc caacaagatc	120
ctgaacagac ccaagcggta caacagcggc aagctggaag agttcgtgca gggcaacctg	180
gaacgcgagt gcatggaaga gaagtgcagc ttcgaagagg ccagagaggt gttcgagaac	240
accgagagaa ccaccgagtt ctggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccttgtctga atggcggcag ctgcaaggac gacatcaaca gctacgagtg ctggtgcccc	360
ttcggcttcg agggcaagaa ttgcgagctg gacgtgacct gcaacatcaa gaacggcaga	420
tgcgagcagt tctgcaagaa cagcgccgac aacaaggtcg tgtgctcctg cacagagggc	480
tacagactgg ccgagaacca gaagtcttgc gagcccgctg tgccctttcc atgtggcaga	540
gtgtctgtgt cccagaccag caagctgacc agagccgaag ccgtgtttcc cgacgtggac	600
tacgtgaaca gcaccgaggc cgagacaatc ctggacaaca tcaccagag caccagttcc	660
ttcaacgact tcaccagagt cgtcggcggc gaggatgcta agcctggaca gtttccttgg	720
caagtgggtgc tgaacggcaa ggtggacgct ttttgtggcg gctccatcgt gaacgagaag	780
tggatcgtga ccgccgctca ctgtgtggaa accggcgtga agattacagt ggtggccggc	840
gagcacaaca tcgaggaaac agagcacacc gagcagaaac ggaacgtgat cagaatcatc	900

cctcaccaca actacaacgc cgccatcaac aagtacaacc acgatatcgc cctgctggaa	960
ctggacgagc ccctggtcct gaactcttac gtgacccta tctgtatcgc cgacaaagag	1020
tacaccaaca tctttctgaa gttcggcagc ggctacgtgt ccggctgggg aagagttttc	1080
cacaagggca gatcagccct ggtgctgcag tacctgagag tgcccctggt ggatagagcc	1140
acctgtctga gaagcaccaa gttcaccatc tacaacaaca tgttctgcgc cggcttcac	1200
gaaggcggca gagattcttg tcaaggcgat tctggcggcc ctcacgtgac agaggttgag	1260
ggcacaagct ttctgaccgg catcatcagc tggggcgaag agtgtgcat gaaggggaag	1320
tacggcatct acaccaaggt gtccagatac gtgaactgga tcaaagaaaa gaccaagctc	1380
acctag	1386

<210> 390

<211> 1419

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 390

atgaagcacc tgaacaccgt catggcagaa tccccggctc tcatcaccat cttcctttta	60
ggatatctac tcagtaccga atgtgcagtt ttccttgatc gtgaaaatgc caccaaaatt	120
cttaccgctc caaagagata taattcagga aaactagaag agtttgttcg aggaaacctt	180
gaaagagagt gtatagaaga aagatgtagt tttgaagaag cacgagaagt ttttgaaaac	240
actgaaaaaa ctactgaatt ttggaagcag tatgttgatg gagatcagtg tgaatcaaat	300
ccttgtttaa atggtggaat atgcaaggat gatattagtt cctatgaatg ctggtgccaa	360
gttggaattg aaggaaggaa ctgtgaatta gatgcaacgt gtaacattaa aaatggcagg	420
tgcaagcagt tttgtaaaaa cagtcctgat aacaaggtaa tttgttcctg cactgaggga	480
taccaacttg cagaagacca gaagtcctgt gaaccaacag ttccatttcc atgtgggaga	540
gcttctatct catacagttc taaaaagatc acgagagctg agactgtttt ctctaatatg	600
gactatgaaa attctactga agctgtattc attcaagatg acatcactga tggtgccatt	660
cttaataacg tcactgaaag tagtgaatca cttaatgact tcactcgagt tgttggtgga	720

gaaaacgcaa aaccgggtca aatcccttgg caggtcattt taaatggtga aattgaggca	780
ttctgtggag gtgccatcat taatgaaaaa tggattgtaa ctgctgcca ctgtcttaaa	840
cctggtgata aaattgaggt tgttgctggg gaatataaca ttgataagaa ggaagacaca	900
gaacaaagga gaaatgtgat tcgaactatc cctcatcacc agtacaatgc aactattaat	960
aagtatagtc atgacattgc cttgctggaa ctggataaac ctttaatact aaacagctat	1020
gtaacaccta tctgtgttgc caatagggaa tatacaaata tcttcctcaa gtttggttct	1080
ggctatgtca gtggctgggg aaaagtcttc aacaaaggga gacaggcttc cattcttcag	1140
taccttagag ttccactggg ggatagagcc acatgcctta ggtccacaac attcactatc	1200
tataacaaca tgttctgtgc aggctaccgt gaaggaggca aagattcgtg tgaaggagat	1260
agtgggggac cccatgttac tgaagtagaa gggacaagtt tcttaactgg cattattagc	1320
tgggggtgaag aatgtgcaat gaaaggcaaa tatggaatat atactaaggt ttcccgtac	1380
gtcaactgga ttaaggaaaa aacaaagcta acttaatga	1419

<210> 391
 <211> 5
 <212> PRT
 <213> Artificial Sequence

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

<400> 391
 Gly Gly Gly Gly Ser
 1 5

<210> 392
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> source
 <223> /note="Description of Artificial Sequence: Synthetic 6xHis tag"

<400> 392
 His His His His His
 1 5

<210> 393
<211> 1452
<212> DNA
<213> Artificial Sequence

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

<400> 393
atgaagcacc tgaacaccgt catggcagaa tccccggctc tcatcaccat cttcctttta 60
ggatatctac tcagtaccga atgtgcagtt ttccttgatc gtgaaaatgc caccaaaatt 120
cttaccgctc caaagagata taattcagga aaactagaag agtttgttcg aggaaacctt 180
gaaagagagt gtatagaaga aagatgtagt tttgaagaag cacgagaagt ttttgaaaac 240
actgaaaaaa ctactgaatt ttggaagcag tatgttgatg gagatcagtg tgaatcaaat 300
ccttgtttaa atgggtggaat atgcaaggat gatattagtt cctatgaatg ctggtgccaa 360
gttggtattg aaggaaggaa ctgtgaatta gatgcaacgt gtaacattaa aaatggcagg 420
tgcaagcagt tttgtaaaaa cagtcctgat aacaaggtaa tttgttcctg cactgaggga 480
taccaacttg cagaagacca gaagtcctgt gaaccaacag ttccatttcc atgtgggaga 540
gcttctatct catacagttc taaaaagatc acgagagctg agactgtttt ctctaatatg 600
gactatgaaa attctactga agctgtattc attcaagatg acatcactga tgggtgccatt 660
cttaataacg tcaactgaaag tagtgaatca cttaatgact tcactcgagt tgttggtgga 720
gaaaacgcaa aaccgggtca aatcccttgg caggtcattt taaatggtga aattgaggca 780
ttctgtggag gtgccatcat taatgaaaaa tggattgtaa ctgctgcca ctgtcttaaa 840
cctggtgata aaattgaggt tgttgctggt gaatataaca ttgataagaa ggaagacaca 900
gaacaaagga gaaatgtgat tcgaactatc cctcatcacc agtacaatgc aactattaat 960
aagtatagtc atgacattgc cttgctggaa ctggataaac ctttaatact aaacagctat 1020
gtaacaccta tctgtgttgc caatagggaa tatacaaata tcttcctcaa gtttggttct 1080
ggctatgtca gtggctgggg aaaagtcttc aacaaaggga gacaggcttc cattcttcag 1140
taccttagag ttccactggt ggatagagcc acatgcctta ggtccacaac attcactatc 1200
tataacaaca tgttctgtgc aggctaccgt gaaggaggca aagattcgtg tgaaggagat 1260

agtgggggac cccatgttac tgaagtagaa gggacaagtt tcttaactgg cattattagc	1320
tgggggtgaag aatgtgcaat gaaaggcaaa tatggaatat atactaaggt ttcccggtagc	1380
gtcaactgga ttaaggaaaa aacaaagcta actggggggtg gaggctctca tcaccatcac	1440
catcactaat ga	1452

<210> 394

<211> 1464

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 394

atgaagcacc tgaacaccgt catggcagaa tccccggctc tcatcaccat cttcctttta	60
ggatatctac tcagtaccga atgtgcagtt ttccttgatc gtgaaaatgc caccaaaatt	120
cttaccgctc caaagagata taattcagga aaactagaag agtttgttcg aggaaacctt	180
gaaagagagt gtatagaaga aagatgtagt tttgaagaag cacgagaagt ttttgaaaac	240
actgaaaaaa ctactgaatt ttggaagcag tatgttgatg gagatcagtg tgaatcaa	300
ccttgtttaa atggtggaat atgcaaggat gatattagtt cctatgaatg ctggtgccaa	360
gttggttttg aaggaaggaa ctgtgaatta gatgcaacgt gtaacattaa aaatggcagg	420
tgcaagcagt tttgtaaaaa cagtcctgat aacaaggtaa tttgttcctg cactgaggga	480
taccaacttg cagaagacca gaagtcctgt gaaccaacag ttccatttcc atgtgggaga	540
gcttctatct catacagttc taaaaagatc acgagagctg agactgtttt ctcta	600
gactatgaaa attctactga agctgtattc attcaagatg acatcactga tgg	660
cttaataacg tcactgaaag tagtgaatca cttaatgact tcactcgagt t	720
gaaaacgcaa aaccgggtca aatcccttgg caggtcattt taaatggtga aattgaggca	780
ttctgtggag gtgccatcat taatgaaaaa tggattgtaa ctgctgccca ctgtcttaaa	840
cctggtgata aaattgaggt tgttgctggt gaatataaca ttgataagaa ggaagacaca	900
gaacaaagga gaaatgtgat tcgaactatc cctcatcacc agtacaatgc aactattaat	960
aagtatagtc atgacattgc cttgctggaa ctggataaac ctttaataact aaacagctat	1020

gtaacaccta tctgtgttgc caatagggaa tatacaaata tcttcctcaa gtttggttct	1080
ggctatgtca gtggctgggg aaaagtcttc aacaaaggga gacaggcttc cattcttcag	1140
taccttagag ttccactggt ggatagagcc acatgcctta ggtccacaac attcactatc	1200
tataacaaca tgttctgtgc aggctaccgt gaaggaggca aagattcgtg tgaaggagat	1260
agtgggggac cccatgttac tgaagtagaa gggacaagtt tcttaactgg cattattagc	1320
tggggtgaag aatgtgcaat gaaaggcaaa tatggaatat atactaaggt ttcccgttac	1380
gtcaactgga ttaaggaaaa aacaaagcta actgggggtg gaggctctga gcagaaactc	1440
atctctgaac aggatctgta atga	1464

<210> 395

<211> 1419

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 395

atgaagcacc tgaacaccgt catggcagaa tccccggctc tcatcaccat cttcctttta	60
ggatatctac tcagtaccga atgtgcagtt ttccttgatc gtgaaaatgc caccaaaatt	120
cttaccctgc caaagagata taattcagga aaactagaag agtttgttcg aggaaacctt	180
gaaagagagt gtatagaaga aagatgtagt tttgaagaag cacgagaagt ttttgaaaac	240
actgaaaaaa ctactgaatt ttggaagcag tatgttgatg gagatcagtg tgaatcaaat	300
ccttgtttaa atggtggaat atgcaaggat gatattagtt cctatgaatg ctggtgccaa	360
gttggttttg aaggaaggaa ctgtgaatta gatgcaacgt gtaacattaa aaatggcagg	420
tgcaagcagt tttgtaaaaa cagtcctgat aacaaggtaa tttgttcctg cactgaggga	480
taccaacttg cagaagacca gaagtcctgt gaaccaacag ttccatttcc atgtgggaga	540
gcttctatct catacagttc taaaaagatc acgagagctg agactgtttt ctctaatatg	600
gactatgaaa attctactga agctgtattc attcaagatg acatcactga tgggtgccatt	660
cttaataacg tcaactgaaag tagtgaatca cttaatgact tcactcgagt tgttggtgga	720
gaaaacgcaa aaccgggtca aatcccttgg caggtcattt taaatggtga aattgaggca	780

ttctgtggag gtgccatcat taatgaaaaa tggattgtaa ctgctgcca ctgtcttaaa	840
cctggtgata aaattgaggt tgttgctggt gaatataaca ttgataagaa ggaagacaca	900
gaacaaagga gaaatgtgat tcgaactatc cctcatcacc agtacaatgc aactattaat	960
aagtatagtc atgacattgc cttgctggaa ctggataaac ctttaatact aaacagctat	1020
gtaacaccta tctgtgttgc caatagggaa tatacaaata tcttcctcaa gtttggttct	1080
ggctatgtca gtggctgggg aaaagtcttc aacaaaggga gacaggcttc cattcttcag	1140
taccttagag ttccactggt ggatagagcc acatgccttc tgtccacaac attcactatc	1200
tataacaaca tgttctgtgc aggctaccgt gaaggaggca aagattcgtg tgaaggagat	1260
agtgggggac cccatgttac tgaagtagaa gggacaagtt tcttaactgg cattattagc	1320
tgggggtgaag aatgtgcaat gaaaggcaaa tatggaatat atactaaggt ttcccgtac	1380
gtcaactgga ttaaggaaaa aacaaagcta acttaatga	1419

<210> 396

<211> 1452

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 396

atgaagcacc tgaacaccgt catggcagaa tccccggctc tcatcaccat cttcctttta	60
ggatatctac tcagtaccga atgtgcagtt ttccttgatc gtgaaaatgc caccaaaatt	120
cttaccgctc caaagagata taattcagga aaactagaag agtttgttcg aggaaacctt	180
gaaagagagt gtatagaaga aagatgtagt tttgaagaag cacgagaagt ttttgaaaac	240
actgaaaaaa ctactgaatt ttggaagcag tatgttgatg gagatcagtg tgaatcaaat	300
ccttgtttaa atggtggaat atgcaaggat gatattagtt cctatgaatg ctggtgccaa	360
gttggttttg aaggaaggaa ctgtgaatta gatgcaacgt gtaacattaa aaatggcagg	420
tgcaagcagt tttgtaaaaa cagtcctgat aacaaggtaa tttgttcctg cactgaggga	480
taccaacttg cagaagacca gaagtcctgt gaaccaacag ttccatttcc atgtgggaga	540
gcttctatct catacagttc taaaaagatc acgagagctg agactgtttt ctctaatatg	600

gactatgaaa attctactga agctgtattc attcaagatg acatcactga tggatgccatt	660
cttaataacg tcactgaaag tagtgaatca cttaatgact tcactcgagt tgttggtgga	720
gaaaacgcaa aaccgggtca aatcccttgg cagggtcattt taaatggtga aattgaggca	780
ttctgtggag gtgccatcat taatgaaaaa tggattgtaa ctgctgcca ctgtcttaaa	840
cctggtgata aaattgaggt tgttgctggt gaatataaca ttgataagaa ggaagacaca	900
gaacaaagga gaaatgtgat tcgaactatc cctcatcacc agtacaatgc aactattaat	960
aagtatagtc atgacattgc cttgctggaa ctggataaac ctttaatact aaacagctat	1020
gtaacaccta tctgtgttgc caataggga tatacaaata tcttcctcaa gtttggttct	1080
ggctatgtca gtggctgggg aaaagtcttc aacaaaggga gacaggcttc cattcttcag	1140
taccttagag ttccactggt ggatagagcc acatgccttc tgtccacaac attcactatc	1200
tataacaaca tgttctgtgc aggctaccgt gaaggaggca aagattcgtg tgaaggagat	1260
agtgggggac cccatgttac tgaagtagaa gggacaagtt tcttaactgg cattattagc	1320
tggggtgaag aatgtgcaat gaaaggcaaa tatggaatat atactaaggt ttcccgtac	1380
gtcaactgga ttaaggaaaa aacaaagcta actgggggtg gaggctctca tcaccatcac	1440
catcactaat ga	1452

<210> 397

<211> 1386

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 397

atgcagagag tcaacatgat catggcagag tccccagggt tgattactat ctgtttgctg	60
gggtacctgt tgtctgcaga atgtacagtg ttcttagacc atgagaatgc caacaagatt	120
ctcaacaggc ccaagaggta caacagtgga aagctggagg aatttgtgca gggtaacctg	180
gaaaggaggat gcatggagga gaaatgtagt tttgaggagg caagagaagt atttgaaaac	240
actgagagga ccactgagtt ctggaagcag tatgttgatg gagaccagtg tgagagcaac	300
ccctgcttga atgggggctc atgtaaagat gatattaatt catatgaatg ctggtgcccc	360

tttggctttg aaghtaagaa ctgtgagctg gatgtcacat gcaacattaa aaatggaaga	420
tgtgaacagt tctgcaaaaa ctcagctgac aacaaagttg tctgttcctg cactgaaggc	480
tacagacttg cagagaatca gaagagttgt gaacctgcag tcccatttcc atgtgggagg	540
gtttcagtct ctcaaacttc taaattaacc agggctgaag ctgtgtttcc tgatgtggac	600
tatgtaaatt ctacagaggc tgagacaata ttggataata tcaccagag tacacagagc	660
ttcaatgact tcacaagagt ggtgggaggg gaagatgcca agcctggcca gtttccttg	720
caggtagtcc tcaatgggaa ggtagatgcc ttctgtggtg gaagcattgt taatgaaaag	780
tggattgtga cagctgcccc ctgtgtggag actggtgtga agatcactgt ggtggctggt	840
gaacataata ttgaggaaac agagcacact gagcagaaaa gaaatgtgat aagaatcatc	900
cctcaccaca actacaatgc tgccatcaac aaatataatc atgacatagc actcctagaa	960
ttagatgaac cattggctct taacagctat gtcaccccc tctgcattgc agacaaagaa	1020
tacaccaaca tcttcctgaa gtttgatca ggttatgtga gtgggtgggg cagggtcttt	1080
cataaaggga gaagtgccct ggtgctccag tacttaagag tgccccttgt ggacagagcc	1140
acatgtctgc tgtccaccaa attcaccatt tacaacaata tgttctgtgc tggcttccat	1200
gaaggaggaa gagatagctg ccaggagat tcaggaggcc cccatgtaac agaggtagag	1260
gggacctcct tcctcacagg gatcatttcc tggggagaag agtgtgcat gaagggaag	1320
tatggaatct acacaaaggt gtctaggtat gtgaactgga tcaaggagaa gaccaagctg	1380
acctga	1386

<210> 398

<211> 1194

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 398

atggaggaga agtgctcatt tgaagaggcc agggaggtct ttgagaacac agagaggacc	60
acagagttct ggaagcagta tgtggatggg gaccagtgtg agagcaacct ctgccttaat	120
gggggcagct gtaaagatga tattaatagc tatgaatgct ggtgcccctt tggatttgag	180

gggaaaaact gtgaattgga tgttacttgc aacatcaaaa atggtagatg tgagcagttc	240
tgcaagaact ctgcagacaa taaagtggtc tgctcctgca ctgaagggtg cagactggca	300
gaaaaccaga agagtgtgga gccagctgtg cccttccct gtggcagagt ttctgtgagc	360
cagaccagca aactcaccag agctgaggct gtctttccag atgtggacta tgtgaactcc	420
acagaagctg agactatcct ggacaacatt actcagagca cccagtcctt caatgacttc	480
acaagggtgg ttggaggaga agatgccaaag ccagggcagt ttccctggca ggtggtactg	540
aatggaaaag ttgatgcttt ctgtggaggg agcattgtga atgaaaaatg gattgtcact	600
gctgcccact gtgtggaaac tggggtgaag atcactgtgg tggctgggga gcataatatt	660
gaagaaacag agcacactga acagaaaaga aatgtgatca ggatcatccc ccaccacaac	720
tacaatgcag ccatcaacaa atacaaccat gacattgccc tgctggagct ggatgagccc	780
ctggtgctga acagctatgt gaccccatc tgtattgctg acaaggagta cacaatatc	840
ttcctgaagt ttggctctgg ctatgtgagt ggctggggca gagtgttcca caagggaaga	900
tctgccctgg tgctgcagta cctgagggtg cactggtgg acagggccac ctgcctgagg	960
agcacaaagt tcaccattta taacaacatg ttttgtgctg gcttccatga gggaggcagg	1020
gacagctgcc agggagattc tggaggggccc catgtgactg aggtggaggg cacctccttt	1080
ctgacaggca ttatcagctg gggagaggag tgtgccatga agggcaagta tggcatctac	1140
accaaggtgt ccagatatgt caactggatc aaggaaaaga ccaaactgac ctaa	1194

<210> 399

<211> 1416

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 399

atgaagcacc tgaacacagt gatggccgag agccctgctc tgatcaccat cttcctgctg	60
ggctacctgc tgtccacaga gtgcgccgtg tttctggatc gggagaacgc taccaagatc	120
ctgacacggc caaagaggta caacagcggc aagctggagg agttcgtgag gggaaacctg	180
gagagagagt gcatcgagga gaggtgttcc ttcgaggagg ccagagaggt gtttgagaac	240

accgagaaga ccacagagtt ttggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccatgtctga acggcggaat ctgtaaggac gatatcagct cctacgagtg ctggtgtcaa	360
gtgggcttcg agggacggaa ctgcgagctg gacgccacct gtaacatcaa gaacggacgc	420
tgcaagcagt tttgtaagaa ctccccgac aacaaggtga tctgctcttg taccgagggc	480
taccagctgg ctgaggatca gaagtcttgc gagcctacag tgcccttccc ttgtggaagg	540
gccagcatct cctactctag caagaagatc accagagctg agacagtgtt cagcaacatg	600
gactacgaga actccaccga ggccgtgttt atccaggacg atatcaccga tggcgctatc	660
ctgaacaacg tgacagagtc ctctgagtcc ctgaacgact tcacaagagt ggtgggcgga	720
gagaacgcca agccaggcca gatcccctgg caggtgatcc tgaacggaga gatcagggcc	780
ttttgcggcg gagctatcat caacgagaag tggatcgtga ccgccgctca ctgtctgaag	840
ccaggcgata agatcgaggt ggtggctgga gagtacaaca tcgacaagaa ggaggatacc	900
gagcagagga gaaacgtgat caggacaatc ccccaccacc agtacaacgc caccatcaac	960
aagtactctc acgacatcg c tctgctggag ctggataagc ctctgacct gaacagctac	1020
gtgaccccaa tctgcgtggc caacagagag tacacaaaca tcttcctgaa gtttggctct	1080
ggatacgtga gcggctgggg aaaggtgttc aacaagggcc ggcaggcctc catcctgcag	1140
tacctgaggg tgccactggt ggacagggt acctgtctgc gctctaccac attcacaatc	1200
tacaacaaca tgttttgcgc tggatacagg gagggaggaa aggactcctg tgaggagat	1260
tctggaggac ctcacgtgac cgagggtggag ggcacctctt ttctgacagg catcatcagc	1320
tggggagagg agtgcgctat gaagggcaag tacggaatct acacaaaggt gtcccgtac	1380
gtgaactgga tcaaggagaa gaccaagctg acatga	1416

<210> 400

<211> 1449

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 400

atgaagcacc tgaacacagt gatggccgag agccctgctc tgatcaccat cttcctgctg	60
---	----

ggctacctgc tgtccacaga gtgcgccgtg tttctggatc gggagaacgc taccaagatc	120
ctgacacggc caaagaggta caactctggc aagctggagg agttcgtgag gggaaacctg	180
gagagagagt gcatcgagga gaggtgtagc ttcgaggagg ccagagaggt gtttgagaac	240
accgagaaga ccacagagtt ttggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccatgtctga acggcggaat ctgtaaggac gatatcagct cctacgagtg ctggtgtcaa	360
gtgggcttcg agggacggaa ctgcgagctg gacgccacct gtaacatcaa gaacggacgc	420
tgcaagcagt tttgtaagaa ctccccgac aacaaggtga tctgctcttg taccgagggc	480
taccagctgg ctgaggatca gaagtcctgc gagcctacag tgcccttccc ttgtggaagg	540
gccagcatct cctactctag caagaagatc accagagctg agacagtgtt cagcaacatg	600
gactacgaga actccaccga ggccgtgttt atccaggacg atatcaccga tggcgctatc	660
ctgaacaacg tgacagagtc ctctgagtct ctgaacgact tcacaagagt ggtgggcgga	720
gagaacgcca agccaggcca gatcccctgg caggtgatcc tgaacggaga gatcgaggcc	780
ttttgcggcg gagctatcat caacgagaag tggatcgtga cgcgcgtca ctgtctgaag	840
ccaggcgata agatcgaggt ggtggctgga gagtacaaca tcgacaagaa ggaggatacc	900
gagcagagga gaaacgtgat caggacaatc cccaccacc agtacaacgc caccatcaac	960
aagtactctc acgacatcgc tctgctggag ctggataagc ctctgacctt gaacagctac	1020
gtgaccccaa tctgcgtggc caacagagag tacacaaaca tcttcctgaa gtttggtctt	1080
ggatacgtga gcggctgggg aaaggtgttc aacaagggcc ggcaggcctc catcctgcag	1140
tacctgaggg tgccactggt ggacagggt acctgtctgc gctctaccac attcacaatc	1200
tacaacaaca tgttttgcgc tggatacagg gagggaggaa aggactcctg tgaggagat	1260
tctggaggac ctcacgtgac cgaggtggag ggcacctctt ttctgacagg catcatcagc	1320
tggggagagg agtgcgctat gaagggaag tacggaatct acacaaaagt gagccgctac	1380
gtgaactgga tcaaggagaa gaccaagctg acaggaggag gaggcagcca ccaccaccac	1440
caccactga	1449

<210> 401

<211> 1461

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 401

atgaagcacc tgaacacagt gatggccgag tctcctgctc tgatcaccat cttcctgctg	60
ggctacctgc tgagcacaga gtgcgccgtg tttctggatc gggagaacgc taccaagatc	120
ctgacacggc caaagaggta caactctggc aagctggagg agttcgtgag gggaaacctg	180
gagagagagt gcatcgagga gaggtgtagc ttcgaggagg ccagagaggt gtttgagaac	240
accgagaaga ccacagagtt ttggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccatgtctga acggcggaat ctgtaaggac gatatcagct cctacgagtg ctggtgtcaa	360
gtgggcttcg agggacggaa ctgcgagctg gacgccacct gtaacatcaa gaacggacgc	420
tgcaagcagt tttgtaagaa cagccccgac aacaaggatga tctgctcctg taccgagggc	480
taccagctgg ctgaggatca gaagtcctgc gagcctacag tgcccttccc ttgtggaagg	540
gccagcatct cctactctag caagaagatc accagagctg agacagtgtt ctctaacatg	600
gactacgaga acagcaccga ggccgtgttt atccaggacg atatcaccga tggcgctatc	660
ctgaacaacg tgacagagtc ctctgagtct ctgaacgact tcacaagagt ggtgggcgga	720
gagaacgcca agccaggcca gatcccctgg caggtgatcc tgaacggaga gatcgaggcc	780
ttttgcggcg gagctatcat caacgagaag tggatcgtga ccgccgctca ctgtctgaag	840
ccaggcgaca agatcgaggt ggtggctgga gagtacaaca tcgacaagaa ggaggatacc	900
gagcagagga gaaacgtgat caggacaatc cccaccacc agtacaacgc caccatcaac	960
aagtactccc acgacatcgc tctgctggag ctggataagc ctctgatacct gaactcttac	1020
gtgaccccaa tctgcgtggc caacagagag tacacaaaca tcttcctgaa gtttggctct	1080
ggatacgtga gcggctgggg aaaggtgttc aacaagggcc ggcaggccag catcctgcag	1140
tacctgaggg tgccactggt ggatagggt acctgtctgc gctccaccac attcacaatc	1200
tacaacaaca tgttttgcgc tggatacagg gagggaggaa aggactcctg tgaggagat	1260
tctggaggac ctcacgtgac cgaggtggag ggcacctcct ttctgacagg catcatctct	1320
tggggagagg agtgcgctat gaagggaag tacggaatct acacaaagggt gtcccgtac	1380
gtgaactgga tcaaggagaa gaccaagctg acaggcggag gcggaagcga gcagaagctg	1440

atctccgagc aggacctgtg a

1461

<210> 402

<211> 1416

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 402

atgaagcacc tgaacacagt gatggccgag agccctgctc tgatcaccat cttcctgctg	60
ggctacctgc tgtccacaga gtgcgccgtg tttctggatc gggagaacgc taccaagatc	120
ctgacacggc caaagaggta caacagcggc aagctggagg agttcgtgag gggaaacctg	180
gagagagagt gcatcgagga gaggtgttcc ttcgaggagg ccagagaggt gtttgagaac	240
accgagaaga ccacagagtt ttggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccatgtctga acggcggaat ctgtaaggac gatatcagct cctacgagtg ctggtgtcaa	360
gtgggcttcg aggggaaggaa ctgcgagctg gacgccacct gtaacatcaa gaacggaaga	420
tgcaagcagt tttgtaagaa ctccccgac aacaaggatga tctgctcttg taccgagggc	480
taccagctgg ctgaggatca gaagtcttgc gagcctacag tgcccttccc ttgtggacgg	540
gccagcatct cctactctag caagaagatc acccgcgctg agacagtgtt cagcaacatg	600
gactacgaga actccaccga ggccgtgttt atccaggacg atatcaccga tggcgctatc	660
ctgaacaacg tgacagagtc ctctgagtcc ctgaacgact tcacacgggt ggtgggcgga	720
gagaacgcca agccaggcca gatcccctgg caggtgatcc tgaacggaga gatcgaggcc	780
ttttgcggcg gagctatcat caacgagaag tggatcgtga ccgccgctca ctgtctgaag	840
ccaggcgata agatcgaggt ggtggctgga gagtacaaca tcgacaagaa ggaggatacc	900
gagcagagga gaaacgtgat ccgcacaatc cccaccacc agtacaacgc caccatcaac	960
aagtactctc acgacatcgc tctgctggag ctggataagc ctctgatacct gaacagctac	1020
tgaccccaa tctgcgtggc caaccgggag tacacaaaca tcttcctgaa gtttggtctt	1080
ggatacgtga gcggctgggg aaaggtgttc aacaagggcc gccaggcctc catcctgcag	1140
tacctgaggg tgccactggt ggacagggct acctgtctgc tgtctaccac attcacaatc	1200

tacaacaaca tgttttgcgc cggctacagg gagggcggaa aggactcctg tgaggagat	1260
tctggaggac ctacgtgac cgaggtggag ggcacctctt ttctgacagg catcatcagc	1320
tggggagagg agtgcgctat gaagggcaag tacggaatct acacaaaggt gtccagatac	1380
gtgaactgga tcaaggagaa gaccaagctg acatga	1416

<210> 403

<211> 1449

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 403

atgaagcacc tgaacacagt gatggccgag agccctgctc tgatcaccat cttcctgctg	60
ggctacctgc tgtccacaga gtgcgccgtg tttctggatc gggagaacgc taccaagatc	120
ctgacacggc caaagaggta caactctggc aagctggagg agttcgtgag gggaaacctg	180
gagagagagt gcatcgagga gaggtgtagc ttcgaggagg ccagagaggt gtttgagaac	240
accgagaaga ccacagagtt ttggaagcag tacgtggacg gcgatcagtg cgagagcaac	300
ccatgtctga acggcggaat ctgtaaggac gatatcagct cctacgagtg ctggtgtcaa	360
gtgggcttcg aggggaaggaa ctgcgagctg gacgccacct gtaacatcaa gaacggaaga	420
tgcaagcagt tttgtaagaa ctccccgac aacaaggtga tctgctcttg taccgagggc	480
taccagctgg ctgaggatca gaagtcctgc gagcctacag tgcccttccc ttgtggacgg	540
gccagcatct cctactctag caagaagatc accgcgctg agacagtgtt cagcaacatg	600
gactacgaga actccaccga ggccgtgttt atccaggacg atatcaccga tggcgctatc	660
ctgaacaacg tgacagagtc ctctgagtct ctgaacgact tcacacgggt ggtgggcgga	720
gagaacgcca agccaggcca gatcccctgg caggtgatcc tgaacggaga gatcgaggcc	780
ttttgcggcg gagctatcat caacgagaag tggatcgtga ccgccgctca ctgtctgaag	840
ccaggcgata agatcgaggt ggtggctgga gagtacaaca tcgacaagaa ggaggatacc	900
gagcagagga gaaacgtgat ccgcacaatc cccaccacc agtacaacgc caccatcaac	960
aagtactctc acgacatcgc tctgctggag ctggataagc ctctgacct gaacagctac	1020

gtgaccccaa tctgcgtggc caaccgggag tacacaaaca tcttcctgaa gtttggtctt	1080
ggatacgtga gcggctgggg aaaggtgttc aacaagggcc gccaggcctc catcctgcag	1140
tacctgaggg tgccactggt ggacagggt acctgtctgc tgtctaccac attcacaatc	1200
tacaacaaca tgttttgcgc cggctacagg gagggcggaaggactcctg tgaggagat	1260
tctggaggac ctacgtgac cgaggtggag ggcacctctt ttctgacagg catcatcagc	1320
tggggagagg agtgcgctat gaagggaag tacggaatct acacaaaagt gagcagatac	1380
gtgaactgga tcaaggagaa gaccaagctg acaggaggag gaggcagcca ccaccaccac	1440
caccactga	1449

<210> 404

<211> 4281

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 404

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
gggcgacctt tggctgcccc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac ttatctacgt	180
agccatgctc tagaaggctc agaggcacac aggagtttct gggctcacc tgcccccttc	240
caaccctca gttcccatcc tccagcagct gtttgtgtgc tgcctctgaa gtccacactg	300
aacaaacttc agcctactca tgtccctaaa atgggcaaac attgcaagca gcaaacagca	360
aacacacagc cctccctgcc tgctgacctt ggagctgggg cagaggtcag agacctctct	420
gggcccacatgc cacctccaac atccactcga ccccttgga tttcggtgga gaggagcaga	480
ggttgtcctg gcgtggttta ggtagtgtga gaggggtacc cggggatctt gctaccagt	540
gaacagccac taaggattct gcagtgagag cagagggccca gctaagtgg actctcccag	600
agactgtctg actcacgcca cccctccac cttggacaca ggacgtgtg gtttctgagc	660
caggtacaat gactcctttc ggtaagtga gtggaagctg tacactgccc aggcaaagcg	720
tccgggcagc gtaggcgggc gactcagatc ccagccagt gacttagccc ctgtttgctc	780

ctccgataac tggggtgacc ttgggttaata ttcaccagca gcctcccccg ttgcccctct	840
ggatccactg cttaaatacg gacgaggaca gggccctgtc tcctcagctt caggcaccac	900
cactgacctg ggacagtga taccactttc acaatctgct agcaaagggtt atgcagaggg	960
tgaacatgat catggctgag agccctggcc tgatcacat ctgcctgctg ggctacctgc	1020
tgtctgctga atgtacaggt ttgtttcctt ttttataata cattgagtat gcttgccttt	1080
tagatataga aatatctgat tctgtcttct tcactaaatt ttgattacat gatttgacag	1140
caatattgaa gagtctaaca gccagcacc aggttggtga gtactgggtt tttgttagct	1200
aggttttctt cttcttcact tttaaaacta aatagatgga caatgcttat gatgcaataa	1260
ggtttaataa acactgttca gttcagtatt tgggtcatgta attcctgtta aaaaacagtc	1320
atctccttgg tttaaaaaaa ttaaaagtgg gaaaacaaag aaatagcaga atatagtga	1380
aaaaaataac cacagtattt ttgtttggac ttaccacttt gaaatcaa tgggaaacaa	1440
aagcaciaac agtggcctta tttacacaaa aagtctgatt ttaagatatg tgacaattca	1500
aggtttcaga agtatgtaag gaggtgtgtc tctaattttt taaattatat atcttcaatt	1560
taaagtttta gttaaaacat aaagattaac ctttcattag caagctgtta gttatcacca	1620
aagcttttca tggattagga aaaaatcatt ttgtctctat ctcaaacatc ttggagttga	1680
tatttgggga aacacaatac tcagttgagt tccctagggg agaaaagcaa gcttaagaat	1740
tgacacaaag agtaggaagt tagctattgc aacatatatc actttgtttt ttcacaacta	1800
cagtgacttt atttatttcc cagaggaagg catacagga agaaattatc ccat ttggac	1860
aaacagcatg ttctcacagt aagcacttat cacacttact tgtcaacttt ctagaatcaa	1920
atctagtagc tgacagtacc aggatcaggg gtgccaaccc taagcacccc cagaaagctg	1980
actggccctg tggttccac tccagacatg atgtcagctg tgaaatccac ctccctggac	2040
cataattagg cttctgttct tcaggagaca tttgttcaaa gtcatttggg caaccatatt	2100
ctgaaaacag cccagccagg gtgatggatc actttgcaaa gatcctcaat gagctatttt	2160
caagtgatga caaagtgtga agttaagggc tcatttgaga actttctttt tcatccaaag	2220
taaattcaaa tatgattaga aatctgacct tttattactg gaattctctt gactaaaagt	2280
aaaattgaat tttaattcct aaatctccat gtgtatacag tactgtggga acatcacaga	2340
ttttggctcc atgccctaaa gagaaattgg ctttcagatt atttgatta aaaacaaaga	2400

ctttcttaag agatgtaaaa ttttcatgat gttttctttt ttgctaaaac taaagaatta	2460
ttctttttaca tttcagtttt tcttgatcat gaaaatgcc aaaaaattct gaatagacca	2520
aagagggtata actctggcaa gcttgaagag tttgtacagg ggaatctgga gagagagtgt	2580
atggaagaga agtgcagctt tgaggaagcc agagaagtgt ttgaaaatac agagagaaca	2640
actgaatttt ggaagcagta tgtggatggg gatcaatgtg agagcaatcc ctgcttgaat	2700
gggggggagct gtaaagatga tatcaacagc tatgaatgtt ggtgtccctt tggatttgag	2760
gggaaaaact gtgagcttga tgtgacctgt aatatcaaga atggcaggtg tgagcaattt	2820
tgcaagaatt ctgctgataa caaagtggc tgtagctgca ctgagggata taggctggct	2880
gaaaaccaga agagctgtga acctgcagt ctttttcct gtgggagagt gtctgtgagc	2940
caaaccagca agctgactag ggctgaagca gtctttcctg atgtagatta tgtgaatagc	3000
actgaggctg agacaatcct tgacaatatc actcagagca cacagagctt caatgacttc	3060
accaggggtg taggagggga ggatgccaa cctgggcagt tcccctggca ggtagtgctc	3120
aatggaaaag tggatgcctt ttgtggaggt tcaattgtaa atgagaagtg gattgtgact	3180
gcagcccact gtgtggaaac tggagtcaag attactgtgg tggctggaga gcacaatatt	3240
gaggaaactg agcacactga gcagaagagg aatgtgatca ggattatccc ccaccacaac	3300
tacaatgctg ctatcaacaa gtacaaccat gacattgccc tcctggaact ggatgaaccc	3360
ctggtcttga acagctatgt gacacccatc tgtattgctg ataaagagta caccaacatc	3420
ttcttgaaat ttgggtctgg atatgtgtct ggctggggca ggggtgtcca taaaggcagg	3480
tctgccctgg tattgcagta tttgagggtg cctctggtgg atagagcaac ctgcttgctg	3540
agcaccaagt ttacaatcta caacaatatg ttctgtgcag ggttccatga aggtggtaga	3600
gacagctgcc agggagattc tgggggtccc catgtgactg aggtggaggg aaccagcttc	3660
ctgactggga ttatcagctg gggtgaggag tgtgctatga agggaaagta tgggatctac	3720
aaaaaagtat ccagatatgt gaactggatt aaggagaaaa ccaagctgac ttgatgaaag	3780
atggatttcc aaggttaatt cattggaatt gaaaattaac agagatctag agctgaattc	3840
ctgcagccag ggggatcagc ctctactgtg ctttctagtt gccagccatc tgttgtttgc	3900
ccctccccct tgccttcctt gaccctggaa ggtgccactc ccactgtcct ttcctaataa	3960
aatgaggaaa ttgcatcaca ttgtctgagt aggtgtcatt ctattctggg ggggtggggtg	4020

gggcaggaca gcaaggggga ggattgggaa gacaatagca ggcatgctgg ggatgcagtg	4080
ggctctatgg tctagagcat ggctacgtag ataagtagca tggcgggtta atcattaact	4140
acacctgcag gaggaacccc tagtgatgga gttggccact ccctctctgc gcgctcgctc	4200
gctcactgag gccggggcgac caaaggtcgc ccgacgcccg ggcggcctca gtgagcgagc	4260
gagcgcgcag ctgcctgcag g	4281

<210> 405

<211> 3245

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 405

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac ttatcgcggc	180
cgcgggggag gctgctgggtg aatattaacc aaggtcacc cagttatcgg aggagcaaac	240
aggggctaag tccaccgggg gaggctgctg gtgaatatta accaaggtca ccccagttat	300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg	360
tcacccagt tatcggagga gcaaacagg gctaagtcca cggtaccac tgggaggatg	420
ttgagtaaga tggaaaacta ctgatgacct ttgcagagac agagtattag gacatgtttg	480
aacaggggcc gggcgatcag caggtagctc tagaggatcc ccgtctgtct gcacatttcg	540
tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcataattt tgtaggttac	600
ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga gtcagcttgg	660
cagggatcag cagcctgggt tggaaggagg gggatataaaa gcccttcac caggagaagc	720
cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggg tggttgggtg	780
ggtattaatg ttttaattacc tggagcacct gcctgaaatc actttttttc aggttgggtt	840
taaacgccgc caccatgcaa agagtgaaca tgatcatggc tgaatcccct ggacttatta	900
ccatctgcct tttgggttac ctctgagtg ctgagtgcac agtgttcctg gaccatgaga	960

atgccaacaa gatcctgaac aggcccaaga gatacaactc aggaaagctg gaagaatttg	1020
tgcaggggaa cctggagagg gaatgcatgg aagagaagtg cagctttgaa gaagccaggg	1080
aagtctttga gaacactgag agaaccactg agttctggaa gcaatatgtg gatggggacc	1140
agtgtgaatc caacccttgc ctcaatggtg gcagctgcaa ggatgacatt aacagctatg	1200
agtgctggtg ccccttttga tttgaggga agaactgtga acttgatgtg acatgcaaca	1260
tcaagaatgg cagatgtgaa cagttctgca agaactctgc tgacaacaaa gtggtctgca	1320
gctgcactga aggctacagg ctggcagaga accagaagtc ctgtgaacca gcagtcccat	1380
tcccctgtgg aagagtgtca gtctcccaa cctccaagct gaccagggtg gaggcagtgt	1440
tccctgatgt ggactatgtg aactccactg aggcagaaac catcctggac aacatcaccc	1500
agtccacca gtccttcaat gacttcacca gagtagtggg aggggaagat gccaagcctg	1560
gacagttccc ttggcaagtt gtgctcaatg gcaaagtgga tgccttctgt gggggctcca	1620
ttgtcaatga gaagtggatt gtgactgcag cccactgtgt ggagactggt gtcaagatca	1680
ctgtggtggc tggggagcac aacattgaag agactgagca cactgagcag aagagaaatg	1740
tcatcagaat catccccac cacaactaca atgcagccat caacaagtac aacatgaca	1800
ttgccctcct ggaactggat gagccactgg tgctgaactc ctatgtgacc cccatctgca	1860
ttgctgacaa ggagtacacc aacatattcc tcaagtttgg ctcaggatat gtgtcaggct	1920
ggggcagagt gttccacaag ggaagatctg ccctggtgct gcagtacttg aggggtcccc	1980
tgggtggacag ggccacttgc ctgctgagca ccaagttcac catctacaac aacatgttct	2040
gtgctggttt ccatgagggt ggaagggaca gctgccaggg agactcaggg ggccctcatg	2100
tcactgaagt ggaaggcacc tccttcctca ctggcatcat ctcctgggga gaagagtgtg	2160
ccatgaaggg aaaatatgga atctacacca aagtgtccag atatgtgaac tggattaagg	2220
aaaagaccaa gtcacctaa ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ccttttacgc tgtgtggata	2520
tgctgcttta tagcctctgt atctagctat tgcttccgt acggctttcg ttttctctc	2580

cttgataaaa tcctggttgc tgtctctttt agaggagtgtg tggcccgttg tccgtcaacg	2640
tggcgtggtg tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt cccctcccgc atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgtc gctggacagg ggctaggttg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttgtt tgcccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt cctttcctaa taaaatgagg aaattgcatc	2940
gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagtggc cactccctct ctgcgcgctc gctcgtcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245

<210> 406

<211> 3245

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 406

cctgcaggca gctgcgcgt cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
gggcgacctt tggtcgcccg gcctcagtga gcgagcgagc gcgcagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac ttatcgcggc	180
cgcgggggag gctgctggtg aatattaacc aaggtcacc cagttatcgg aggagcaaac	240
aggggctaag tccaccgggg gaggctgctg gtgaatatta accaaggtca cccagttat	300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg	360
tcacccagc tatcggagga gcaaacaggg gctaagtcca cggtaccac tgggaggatg	420
ttgagtaaga tggaaaacta ctgatgacc ttgcagagac agagtattag gacatgtttg	480
aacaggggcc gggcgatcag caggtagctc tagaggatcc ccgtctgtct gcacatttcg	540

tagagcgagt gttccgatac tctaattctcc ctaggcaagg ttcataatttg tgtaggttac	600
ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga gtcagcttg	660
cagggatcag cagcctgggt tggaaggagg gggataaaaa gcccttcac caggagaagc	720
cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggt tggttggtg	780
ggtattaatg ttttaattacc tggagcacct gcctgaaatc actttttttc aggttggtt	840
taaacgccgc caccatgcag agagtgaaca tgatcatggc agaatcccca ggcctcatca	900
ccatctgcct cctgggatac ctctgagtg ctgagtgac agtggtcctt gaccatgaaa	960
atgccaacaa gatcctcaac cgccctaagc ggtacaactc tggcaaactg gaggagtttg	1020
tgcagggcaa cctggaaaga gaatgcatgg agggaaagt ctcctttgag gaggccagg	1080
aagtgtttga aaactgag agaaccactg aattctggaa gcagtatgtg gatggggacc	1140
agtgatgaatc caaccctgc ctcaatggag gatcctgcaa agatgacatc aactcctatg	1200
agtgctggtg cccctttggc tttgagggga agaactgtga actggatgtc acttgcaaca	1260
ttaagaatgg tcgctgtgaa cagttctgca agaactcagc agacaacaag gtggtctgct	1320
cctgcactga gggatacagg ctggcagaaa accaaaagtc ctgtgaaccg gctgtccctt	1380
tcccctgtgg gagagtctca gtgtcccaa cctccaagct caccagagca gaagctgtgt	1440
tccctgatgt ggactacgtg aacagcactg aggcagagac tattcttgac aacatcacc	1500
agagcaccca gagcttcaat gacttcacca gagttgtggg gggagaggat gccaaagccag	1560
gccaatccc ttggcaagtg gtgctgaatg gaaaagtgga tgccttctgt ggtggtagca	1620
ttgtcaatga gaagtggatt gtcacagctg cccactgtgt ggaaactgga gtgaagatca	1680
cagtgggtggc tggggaacac aacatagagg aaactgaaca cactgaacag aagcggaatg	1740
tgatcagaat cattccacac cacaactaca atgctgccat taacaagtac aaccatgaca	1800
ttgccctgct tgagctggat gaacctctgg tgctgaactc ctatgtcacc cccatttgca	1860
ttgcggacaa ggagtacacc aacatcttcc tgaagtttg ctcaggctat gtgtcgggtt	1920
ggggaagggt ctttcacaag ggccggtctg ccctgggtgt gcagtacttg aggggtcccc	1980
tgggtggacag ggccacctgt ttgctgagca ccaagttcac catctacaac aacatgttct	2040
gtgcgggctt ccatgaggga ggccgggaca gctgccagg agactcagg ggtccccatg	2100
tcactgaagt agagggaacc agcttcctga ctggaatcat ctctgggga gaagagtgtg	2160

ccatgaaggg aaaatacggg atctacacca aggtgtcccg ctatgtcaac tggatcaagg	2220
aaaagaccaa actcacctaa ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ccttttacgc tgtgtggata	2520
tgctgcttta tagcctctgt atctagctat tgcttcccg acggctttcg ttttctcctc	2580
cttgataaaa tcctggttgc tgtctctttt agaggagttg tggcccgttg tccgtcaacg	2640
tggcgtggtg tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt ccccctcccg atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgt gctggacagg ggctagggtg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttggt tgcccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt cttttcctaa taaaatgagg aaattgcatc	2940
gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgtcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245

<210> 407

<211> 3245

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 407

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc	60
---	----

gggcgacctt tggctgcccc gcctcagtga gcgagcgagc gcgcagagag ggagtggcca	120
---	-----

actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac ttatcgcggc	180
cgcggggggag gctgctgggtg aatattaacc aaggtcaccc cagttatcgg aggagcaaac	240
aggggctaag tccaccgggg gaggtgctg gtgaatatta accaaggtca cccagttat	300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg	360
tcacccagct tatcggagga gcaaacaggg gctaagtcca cggtaccac tgggaggatg	420
ttgagtaaga tggaaaacta ctgatgacct ttgcagagac agagtattag gacatgtttg	480
aacagggggc gggcgatcag caggtagctc tagaggatcc ccgtctgtct gcacatttcg	540
tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcataattg ttaggttac	600
ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga gtcagcttg	660
cagggatcag cagcctgggt tgggaaggagg gggataaaa gcccttcac caggagaagc	720
cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggg tggttgggtg	780
ggtattaatg ttttaattacc tggagcacct gcctgaaatc actttttttc aggttgggtt	840
taaacgccgc caccatgcaa agagtcaaca tgatcatggc agaatcccca ggactgatca	900
ccatttgcct tctgggctac ttgctgtcag cagaatgcac tgtgttcctg gaccatgaaa	960
atgccaacaa gatcctgaac aggcccaaga ggtacaactc aggaaagctg gaggagtttg	1020
tccagggcaa ccttgagaga gagtgcattg agggaaagtg ctcttttgag gaggccaggg	1080
aggtctttga aaacacagaa aggaccactg aattctggaa gcagtatgtg gatggggacc	1140
agtgtgaatc caacccttgc ctcaatggag gctcctgcaa ggatgacatc aactcctatg	1200
aatgctgggtg cccctttggg tttaggggga agaactgtga actggatgtg acctgtaaca	1260
taaagaatgg cagatgtgaa cagttctgca agaactcagc agacaacaag gttgtgtgct	1320
cctgcactga gggttacagg ctggcagaaa accagaaaag ctgtgaacca gctgtcccct	1380
tcccctgtgg tagagtcagt gtgtcccaga cctccaagct caccagagct gaagctgtgt	1440
tccctgatgt ggactatgtg aactccactg aagctgagac tctcctggac aacatcacc	1500
agtccacca aagcttcaat gacttcacca gggtagtggg aggggaggat gccaaagcctg	1560
gacagttccc ttggcaagtg gtgctcaatg gcaaagtgga tgccttctgt gggggcagca	1620
ttgtgaatga gaagtggatt gtcactgctg cccactgtgt ggaaactgga gtgaagatca	1680
ctgtgggtggc aggagaacac aacattgagg aaacagagca cactgagcaa aagagaaatg	1740

tcatcagaat cattcctcac cacaactaca atgcagccat taacaagtac aaccatgaca	1800
ttgccctgct ggaactggat gaacccttg tgctgaacag ctatgtgacc cctatttgca	1860
ttgctgacaa ggagtacacc aacatcttcc tgaagtttgg ttctggctat gtgtcaggct	1920
ggggaagggt gttccacaag ggaagatctg ccttggtgct gcagtacctc agagtgcctc	1980
tggtggacag ggccacctgt ctcttgagca ccaagttcac catctacaac aacatgttct	2040
gtgctggctt ccatgagggg ggcagagaca gctgccaggg ggactcagga ggaccacatg	2100
tcactgaagt ggaggggtacc agcttcctca ctggcatcat ctctgggga gaagagtgtg	2160
ccatgaagg gaaatatgga atctacacca aagtgtccag atatgtcaac tggatcaagg	2220
agaaaaccaa gctgacctaa ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ctttttacgc tgtgtggata	2520
tgctgcttta tagcctctgt atctagctat tgcttcccgt acggctttcg ttttctcctc	2580
cttgataaaa tcctggttgc tgtctctttt agaggagtgtg tggcccgttg tccgtcaacg	2640
tggcgtgggtg tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt ccccctccc atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgt gctggacagg ggctaggttg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttggt tggccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt cttttcctaa taaaatgagg aaattgcatc	2940
gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgtcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245

<211> 3245
<212> DNA
<213> Artificial Sequence

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

<400> 408
cctgcaggca gctgcgctcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgtc 60
gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgagagag ggagtggcca 120
actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac ttatcgcggc 180
cgcggggggag gctgctgggtg aatattaacc aaggtcaccc cagttatcgg aggagcaaac 240
aggggctaag tccaccgggg gaggtgctg gtgaatatta accaagggtca cccagttat 300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg 360
tcacccagct tatcggagga gcaaacagg gctaagtcca cggtaccac tgggaggatg 420
ttgagtaaga tggaaaacta ctgatgacct ttgcagagac agagtattag gacatgtttg 480
aacaggggcc gggcgatcag caggtagctc tagaggatcc ccgtctgtct gcacatttcg 540
tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcataattg ttaggtttac 600
ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga gtcagcttgg 660
cagggatcag cagcctgggt tggaaggagg ggggtataaaa gccccttcac caggagaagc 720
cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggt tggttggtgg 780
ggtattaatg tttaattacc tggagcacct gcctgaaatc actttttttc aggttgggtt 840
taaacgccgc caccatgcag agagttaaca tgatcatggc tgaatcccct ggcctcatca 900
ccatttgcct cctgggttac ttgctgtcag cagagtgcac agtgttcttg gaccatgaaa 960
atgccaacaa gattctgaac agaccaaga gatacaactc tggaaagctt gaagagtttg 1020
tgaggggaa cctggagaga gagtgcattg aagagaagtg cagctttgaa gaagccagag 1080
aagtgtttga gaacactgag aggaccactg agttctggaa gcaatatgtg gatggggacc 1140
agtgtgaatc caacccttgc ctcaatgggtg gcagctgcaa ggatgacatc aactcctatg 1200
agtgtggtg cccctttggc tttgaggga agaactgtga acttgatgtc acatgcaaca 1260
tcaagaatgg cagatgtgaa cagttctgca agaactcagc tgacaacaaa gtggtctgca 1320

gctgcactga aggctacagg ctggcagaga accagaagtc ctgtgaacca gcagtgcctt	1380
tcccatgtgg aagggtgtca gtctcccaa ccagcaagct gaccagagca gaagctgtgt	1440
tccctgatgt ggactatgtg aactccactg aagctgaaac cattctggac aacatcaccc	1500
agtccacca gtccttcaat gacttcacca gggtagtggg aggggaagat gccaagccag	1560
gacagttccc ttggcaagtg gtgctcaatg ggaaagtgga tgccttctgt ggtggcagca	1620
tagtcaatga gaagtggatt gtgactgcag cccactgtgt ggagactgga gtgaagatca	1680
ctgtggtagc tggggaacac aacattgaag agactgagca cactgagcag aagaggaatg	1740
tcatcaggat catccccac cacaactaca atgcagccat caacaagtac aaccatgaca	1800
ttgccctcct ggagcttgat gagcccctgg tcctgaactc ctatgtgacc cccatctgca	1860
ttgctgacaa ggagtacacc aacatcttcc tgaagtttgg ctgaggctat gtctctggct	1920
gggggagagt gttccacaag ggtagaagtg ccctgggtgt gcaatacctg agggtcctc	1980
tggtggacag agccacttgc ctctgtcca ccaagttcac catctacaac aacatgttct	2040
gtgctggatt ccatgagggt ggaagggaca gctgccaggg agactcagga ggaccccatg	2100
tcactgaagt ggaaggaacc tccttcctca ctggcatcat ctctgggga gaagagtgtg	2160
ccatgaaggg aaaatatggc atctacacca aagtgtccag atatgtgaac tggattaagg	2220
aaaagaccaa gctgacctaa ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ctttttacgc tgtgtggata	2520
tgctgcttta tagcctctgt atctagctat tgcttcccgt acggctttcg ttttctcctc	2580
cttgataaaa tcctggttgc tgtctctttt agaggagtgt tggcccgttg tccgtcaacg	2640
tggtgtgtgt tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt cccctcccgc atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgt gctggacagg ggctagggtg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttggt tgcccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt cttttcctaa taaaatgagg aaattgcctc	2940

gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgctcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245

<210> 409

<211> 3245

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 409

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc cggggcaaag cccgggcgctc	60
gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac ttatcgcggc	180
cgcgggggag gctgctgggtg aatattaacc aaggtcacc cagttatcgg aggagcaaac	240
aggggctaag tccaccgggg gaggctgctg gtgaatatta accaaggcca cccagttat	300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg	360
tcacccagc tatcggagga gcaaaccagg gctaagtcca cggtagccac tgggaggatg	420
ttgagtaaga tggaaaacta ctgatgacct ttgcagagac agagtattag gacatgtttg	480
aacaggggcc gggcgatcag caggtagctc tagaggatcc ccgtctgtct gcacatttcg	540
tagagcgagt gttccgatac tctaattctc ctaggcaagg ttcatttttg ttaggtttac	600
ttattctcct tttgttgact aagtcaataa tcagaatcag caggtttgga gtcagcttgg	660
cagggatcag cagcctgggt tggaggagg ggggtataaaa gccccttcac caggagaagc	720
cgtcacacag atccacaagc tcctgaagag gtaagggttt aagggatggt tggttggtgg	780
ggtattaatg tttaattacc tggagcacct gcctgaaatc actttttttc aggttgggtt	840
taaacgccgc caccatgcaa agagtgaaca tgattatggc tgaaagccct ggactcatta	900

ccatctgcct ccttgatac ttgctgtcag cagagtgcac agtgttcctg gaccatgaga	960
atgccaacaa gatcctgaac aggcctaaga gatacaactc aggaaagctg gaagagtttg	1020
tccagggaaa cctggagagg gaatgcatgg aagagaagtg cagctttgaa gaagccaggg	1080
aagtgtttga gaacactgag aggaccacag agttctggaa gcaatatgtg gatggggacc	1140
agtgtgaatc caaccctgc ctcaatggtg gcagctgcaa ggatgacatc aactcctatg	1200
agtgctggtg cccctttggg tttgagggaa agaactgtga acttgatgtg acctgtaaca	1260
tcaagaatgg cagatgtgaa cagttctgca agaactcagc tgacaacaaa gtggtctgca	1320
gctgcactga aggctacaga ctggctgaga accagaagtc ctgtgaacca gcagtgcctt	1380
tcccttgtgg gagagtgtca gtcagccaaa cctccaagct gaccagggca gaggcagtgt	1440
tccctgatgt ggactatgtc aactccactg aagcagaaac catcctggac aacatcaccc	1500
agtccacca gtccttcaat gacttcacca gagtggttgg aggggaagat gccaagcctg	1560
gccagttccc ttggcaagtg gtgctcaatg gcaaagtgga tgccttctgt ggtggctcca	1620
ttgtgaatga gaagtggatt gtcactgctg cccactgtgt ggagactggt gtcaagatca	1680
ctgtggtagc aggggagcac aacattgaag agactgaaca cactgagcag aagagaaatg	1740
tcatcaggat catccccac cacaactaca atgctgccat caacaagtac aaccatgaca	1800
ttgccctctt ggaactggat gagccactgg tgctgaactc ctatgtcacc cccatctgca	1860
ttgctgacaa ggagtacacc aacatcttcc tgaagtttgg ctctggatat gtgtcaggct	1920
ggggaagggg gttccacaag ggtagaagtg ccctgggtgct gcagtacctg agagtgcccc	1980
tggtggacag ggccacttgc cttctgtcca ccaagttcac catatacaac aacatgttct	2040
gtgctggctt ccatgagggg ggcagagaca gctgccaggg agactctggt ggaccacatg	2100
tcactgaagt ggaagggacc tccttcctca ctggcatcat ttcctgggga gaagagtgtg	2160
ccatgaaggg aaaatatgga atctacacca aagtgtccag atatgtgaac tggatcaagg	2220
aaaagaccaa gtcaccta ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ccttttacgc tgtgtggata	2520

tgctgcttta tagcctctgt atctagctat tgcttcccgt acggctttcg ttttctcctc	2580
cttgataaaa tcctgggttg tgtctctttt agaggagttg tggcccgttg tccgtcaacg	2640
tggcgtggtg tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt cccctcccgc atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgtc gctggacagg ggctaggttg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttggt tgcccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt ctttctctaa taaaatgagg aaattgcatc	2940
gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagttggc cactccctct ctgcgcgctc gctcgtcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245

<210> 410

<211> 3245

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 410

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcaaag cccgggcgctc	60
gggcgacctt tggtcgcccc gcctcagtga gcgagcgagc gcgagagag ggagtggcca	120
actccatcac taggggttcc ttgtagttaa tgattaaccc gccatgctac ttatcgcggc	180
cgcgggggag gctgctggtg aatattaacc aaggtcacc cagttatcgg aggagcaaac	240
aggggctaag tccaccgggg gaggctgctg gtgaatatta accaaggtca cccagttat	300
cggaggagca aacaggggct aagtccaccg ggggaggctg ctggtgaata ttaaccaagg	360
tcacccagc tatcggagga gcaaacagg gctaagtcca cggtaccac tgggaggatg	420
ttgagtaaga tggaaaacta ctgatgacc ttgcagagac agagtattag gacatgtttg	480

aacaggggcc	gggcatcag	caggtagctc	tagaggatcc	ccgtctgtct	gcacatttcg	540
tagagcgagt	gttccgatac	tctaattctcc	ctaggcaagg	ttcatatttg	tgtaggttac	600
ttattctcct	tttggtgact	aagtcaataa	tcagaatcag	caggtttgga	gtcagcttgg	660
cagggatcag	cagcctgggt	tggaaggagg	gggtataaaa	gccccttcac	caggagaagc	720
cgtcacacag	atccacaagc	tcctgaagag	gtaagggttt	aagggatggt	tggttggtgg	780
ggtattaatg	tttaattacc	tggagcacct	gcctgaaatc	actttttttc	aggttggggt	840
taaacgccgc	caccatgcaa	agagtgaaca	tgattatggc	agaatcccct	ggactgatta	900
ccatttgcct	tcttgatac	ctcctgagtg	ctgagtgcac	agtgttcctg	gaccatgaga	960
atgccaacaa	gatcctgaac	aggcccaaga	gatacaactc	tggaaagctg	gaagagtttg	1020
tgcaggggaa	cctggagaga	gagtgcattg	aagagaagtg	cagctttgag	gaagccagag	1080
aagtctttga	aaacactgag	aggaccactg	agttctggaa	gcaatatgtg	gatggggacc	1140
agtgtgaatc	caaccctgc	cttaatggag	gcagctgcaa	ggatgacatc	aactcctatg	1200
agtgctggtg	cccctttgga	tttgagggaa	agaactgtga	actggatgtc	acttgcaaca	1260
tcaagaatgg	cagatgtgaa	cagttctgca	agaactcagc	tgacaacaaa	gtggtctgca	1320
gctgcactga	aggctacagg	ctggcagaaa	accagaagtc	ctgtgagcct	gcagtgcctt	1380
tcccatgtgg	tagagtgtca	gtcagccaga	cctccaagct	caccagggca	gaggcagtgt	1440
tccctgatgt	ggactatgtg	aactccactg	aagctgaaac	catcctggac	aacatcaccc	1500
agtccacca	gtccttcaat	gacttcacca	gagtagtggg	aggggaagat	gccaagccag	1560
ggcagttccc	ttggcaagtg	gtcctcaatg	ggaaagtgga	tgctttctgt	ggtggctcca	1620
ttgtgaatga	gaagtggatt	gtgactgctg	cccactgtgt	ggagactgga	gtgaagatca	1680
cagtgggtggc	aggagagcac	aacattgaag	aaactgagca	cactgaacag	aagagaaatg	1740
tcatcaggat	catccccac	cacaactaca	atgctgccat	aaacaagtac	aaccatgaca	1800
ttgccctcct	ggaattggat	gagccactgg	tgctcaacag	ctatgtgacc	cccatctgca	1860
ttgctgacaa	ggagtacacc	aacatcttcc	tgaagtttgg	ctcaggctat	gtgtctggct	1920
ggggtagagt	gttcacaag	ggcagatcag	ccctgggtgct	ccaatacttg	agggtccccc	1980
tggtggacag	ggccacttgc	ctgctgtcca	ccaagtccac	catctacaac	aacatgttct	2040
gtgctggctt	ccatgagggt	ggaagggaca	gctgccaggg	agactcaggg	ggacctcatg	2100

tcactgaagt ggaaggcacc tccttcctca ctggtatcat ctcctgggga gaagagtgtg	2160
ccatgaaggg aaaatatggc atctacacca aagtgtccag atatgtcaac tggatcaagg	2220
aaaagaccaa gctgacctaa ttaattaaga gcatcttacc gccatttatt cccatatttg	2280
ttctgttttt cttgatttgg gtatacattt aaatgttaat aaaacaaaat ggtggggcaa	2340
tcatttacat ttttagggat atgtaattac tagttcaggt gtattgccac aagacaaaca	2400
tgtaagaaa ctttcccgtt atttacgctc tgttcctgtt aatcaacctc tggattacaa	2460
aatttgtgaa agattgactg atattcttaa ctatgttgct ccttttacgc tgtgtggata	2520
tgctgcttta tagcctctgt atctagctat tgcttcccgt acggccttcg ttttctcctc	2580
cttgataaaa tcctggttgc tgtctctttt agaggagtgtg tggcccgttg tccgtcaacg	2640
tggcgtggtg tgctctgtgt ttgctgacgc aacccccact ggctggggca ttgccaccac	2700
ctgtcaactc ctttctggga ctttcgcttt cccctcccgc atcgccacgg cagaactcat	2760
cgccgcctgc cttgcccgtc gctggacagg ggctagggtg ctgggcactg ataattccgt	2820
ggtgttgtct gtgccttcta gttgccagcc atctgttggt tgcccctccc ccgtgccttc	2880
cttgaccctg gaaggtgcca ctcccactgt cctttcctaa taaaatgagg aaattgcatc	2940
gcattgtctg agtaggtgtc attctattct ggggggtggg gtggggcagg acagcaaggg	3000
ggaggattgg gaagacaata gcaggcatgc tggggatgcg gtgggctcta tggctctaga	3060
gcatggctac gtagataagt agcatggcgg gttaatcatt aactacacct gcaggaggaa	3120
cccctagtga tggagtggc cactccctct ctgcgcgctc gctcgtcac tgaggccggg	3180
cgaccaaagg tcgcccgcg cccgggcggc ctcagtgagc gagcgagcgc gcagctgcct	3240
gcagg	3245