

Sequence listing (002).TXT
SEQUENCE LISTING

<110> SOLID BIOSCIENCES INC.

<120> RECOMBINANT HERPESVIRALES VECTOR

<130> 129159-01520

<140> PCT/US2020/035558

<141> 2020-06-01

<150> 62/873,094

<151> 2019-07-11

<150> 62/854,637

<151> 2019-05-30

<160> 13

<170> PatentIn version 3.5

<210> 1

<211> 2188

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 1

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaacc	60
gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg	180
ggcggggggc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg cttgctaccg gtgcgccacc	360
accagaggcc atatccgaca cccagcccc gacggcagcc gacagcccgg tcatggcgac	420
tgacattgat atgctaattg acctcggcct ggacctctcc gacagcgatc tggacgagga	480
cccccccgag ccggcggaga gccgccgca cgacctggaa tcggacagca acggggagtg	540
ttcctcgtcg gacgaggaca tggaagacct ccacggagag gacggaccgg agccgatact	600

Sequence listing (002).TXT

cgacgccgct cgccccggcg tccgcccgtc tcgtccagaa gaccccggcg taccagcac	660
ccagacgcct cgtccgacgg agcggcaggg cccaacgat cctcaaccag cgccccacag	720
tgtgtggtcg cgcctcgggg cccggcgacc gtcttgctcc cccgagcggc acgggggcaa	780
ggtggcccg cccaacccc caccgaccaa agcccagcct gcccgcggcg gacgccgtgg	840
gcgtcgcagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt cggacccccg	900
ccggcgtgcc ccagaaacca atcgcaaccc ggggggaccc cgccccgggg cggggtggac	960
ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc ccgaccacc	1020
cggaggcccc cggacacgga gcgtgcgcca agcaccccc ccgctaata gaagcgtgag	1080
tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc ccgccgccga	1140
caccatcgac gccaccacgc ggttggtcct gcgtccatc tccgagcgcg cggcggtcga	1200
ccgcatcagc gagagcttcg gccgcagcgc acaggtcatg cacgaccct ttggggggca	1260
gccgtttccc gccgcgaata gcccctgggc cccggtgctg gcgggccaag gagggccctt	1320
tgacgccgag accagacggg tctcctggga aaccttggtc gccacggcc cgagcctcta	1380
tcgactttt gccggcaatc ctcgggccgc atcgaccgcc aaggccatgc gcgactgcgt	1440
gctgcgcaa gaaaatttca tcgaggcgct ggcctccgcc gacgagacgc tggcgtggtg	1500
caagatgtgc atccaccaca acctgccgt gcgccccag gacccatta tcgggacggc	1560
cgcggcgggtg ctggataacc tcgccacgcg cctgcggccc tttctccagt gctacctgaa	1620
ggcgcgaggc ctgtgcggcc tggacgaact gtgttcgcgg cggcgtctgg cggacattaa	1680
ggacattgca tccttcgtgt ttgtcattct ggccaggctc gccaacgcg tcgagcgtgg	1740
cgtcgcggag atcgactacg cgacccttgg tgtcggggtc ggagagaaga tgcatttcta	1800
cctccccggg gcctgcatgg cgggcctgat cgaaatccta gacacgcacc gccaggagtg	1860
ttcagatcgt gtctgcgagt tgacggccag tcacatcgtc gccccccgt acgtgcacgg	1920
caaatatattt tattgcaact ccctgtttta ggctagcgaa ttcctgtgcc ttctagttgc	1980
cagccatctg ttgtttgccc ctccccgtg ccttccttga ccctggaagg tgccactccc	2040
actgtcctt cctaataaaa tgaggaaatt gcatcgcatt gtctgagtag gtgtcattct	2100
attctggggg gtgggggtgg gcaggacagc aagggggagg attgggaaga caatagcagg	2160

Sequence listing (002).TXT

catgctgggg atgcggtggg ctctatgg 2188

<210> 2

<211> 2188

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 2

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaaccca	60
gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg	180
ggcggggggcc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg cttgctaccg gtgcgccacc	360
accagaggcc atatccgaca cccagcccc gacggcagcc gacagcccgg tcatggcgac	420
tgacattgat atgctaattg acctcggcct ggacctctcc gacagcgatc tggacgagga	480
cccccccgag ccggcggaga gccgccgca cgacctggaa tcggacagca acgggggagt	540
ttcctcgtcg gacgaggaca tggaagacct ccacggagag gacggaccgg agccgatact	600
cgacgccgct cgcccggcgg tccgcccgtc tcgtccagaa gaccccgcg taccagcac	660
ccagacgcct cgtccgacgg agcggcaggg cccaacgat cctcaaccag cgccccacag	720
tgtgtggtcg cgcctcgggg cccggcgacc gtcttgctcc cccgagcggc acgggggcaa	780
ggtggcccgc ctccaacccc caccgaccaa agcccagcct gcccgcggcg gacgccgtgg	840
gcgtcgcagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt cggacccccg	900
ccggcgtgcc cccagaacca atcgcaaccc ggggggaccc cgccccgggg cggggtggac	960
ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc ccgaccacc	1020
cggaggcccc cggacacgga gcgtgcgcca agcaccccc ccgctaata cgctggcgat	1080
tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc ccgcccgca	1140

Sequence listing (002).TXT

caccatcgac gccaccacgc ggttggtcct gcgctccatc tccgagcgcg cggcggtcga	1200
ccgcatcagc gagagcttcg gccgcagcgc acaggtcatg cacgaccctt ttgggggggca	1260
gccgtttccc gccgcgaata gcccctgggc cccggtgctg gcggggccaag gagggccctt	1320
tgacgccgag accagacggg tctcctggga aaccttggtc gcccacggcc cgagcctcta	1380
tcgcactttt gccggcaatc ctcgggccgc atcgaccgcc aaggccatgc gcgactgcgt	1440
gctgcgcaa gaaaatttca tcgaggcgct ggcctccgcc gacgagacgc tggcgtggtg	1500
caagatgtgc atccaccaca acctgccgct gcgccccag gacccatta tcgggacggc	1560
cgcgggcgtg ctggataacc tcgccacgcg cctgcggccc tttctccagt gctacctgaa	1620
ggcgcgagga ctctgtggac tcgatgagct ctgctctcgc cgacggctcg ccgatataca	1680
agatatcgcc tcttttgtct tcgtgatcct cgctcgcttg gctaatagag tggaaagagg	1740
agtggccgaa attgattatg ccacattggg cgtgggcgtg ggcgaaaaaa tgcactttta	1800
tttacctggc gcttgtatgg ctggattgat tgagattctg gatacccata gacaagaatg	1860
ctcctctaga gtgtgtgaac tgaccgcttc ccatattgtg gctcctccct atgtccatgg	1920
aaagtacttc tactgtaata gtctcttcta ggctagcgaa ttcctgtgcc ttctagttgc	1980
cagccatctg ttgtttgccc ctccccgtg ccttccttga ccctggaagg tgccactccc	2040
actgtccttt cctaataaaa tgaggaaatt gcatcgcatt gtctgagtag gtgtcattct	2100
attctggggg gtgggggtggg gcaggacagc aagggggagg attgggaaga caatagcagg	2160
catgctgggg atgcggtggg ctctatgg	2188

<210> 3

<211> 2188

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 3

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaacca	60
--	----

gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
---	-----

Sequence listing (002).TXT

aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggttg	180
ggcggggggcc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg cttgctaccg gtgcgccacc	360
accagaggcc atatccgaca cccagcccc gacggcagcc gacagcccgg tcatggccac	420
tgatattgac atgcttatcg accttggact cgatctctcc gactcggact tggatgagga	480
cccacctgag ccggccgaaa gccgccggga cgatctggag agcgactcca acggcgaatg	540
ctcgtcctct gacgaagata tggaagatcc gcacggcgaa gatggcccgg agccgattct	600
cgacgccgcc cggcccgcg tgcgcccatc acggcctgaa gatcccgggtg tcccatccac	660
ccaaactccg cggcccaccg agcgccaggg ccggaatgac cccagccgg ctccgcattc	720
cgtgtggagc cgcctgggag ccagacgccc ttcatgctcc cctgagcggc acgggggaaa	780
ggtcgcgcgg ctgcaacctc ccccgaccaa ggcccagcct gcccgcggtg gacgccgggg	840
gcgccggaga ggtcgcggca ggggtggccc gggggccgca gacggactgt ccgatccgcg	900
gcggagggcg ccagaaacga accggaaccc cgggggccct agacctggag ccgatggac	960
agacggaccc ggagccccac atggcgaagc gtggagaggc tcagagcagc ctgaccctcc	1020
gggtggcccg aggaccgca gcgtgcggca ggcaccacca ccccttatga ccctcgccat	1080
tgcgccaccc ccggccgatc cgcgcgctcc ggcccccgag agaaaggccc ccgccgccga	1140
taccatcgat gctaccaccc gcctggtcct gcggtccatc agcgagagag ccgcagtgga	1200
ccgatctcc gaatccttcg gccggtcggc acaggtcatg cacgaccgt ttggtggaca	1260
gccctttcct gccgctaact cccgtgggc acccgtgctc gcgggacagg gcggcccttt	1320
cgacgcggaa accagaagag tcagctggga gactctggtg gcccacggac cgtccctgta	1380
ccggaccttc gccggaaacc cgagggccgc cagcactgcc aaggccatgc gggactgtgt	1440
gctgcgccag gaaaacttca tcgaagcact cgcctccgcc gacgaaaccc tggcctggtg	1500
caagatgtgt attcaccata atcttcctct gcggcctcaa gacccatta tcgggactgc	1560
ggcggccgtg ttggacaacc tggcgacccg cctgcggccg ttcctgcaat gctacctgaa	1620
agccagggga ctgtgcggac tggacgaatt gtgctcgcgg cgccgcctcg cggacatcaa	1680

Sequence listing (002).TXT

ggacatcgct tccttcgtgt tcgtgacccg	1740
agtgagcagaa attgactacg cgactctggg	1800
cctccctggc gcctgcatgg ctggactgat	1860
ttcatcccg	1920
gaagtacttc tactgcaaca gcctgttcta	1980
cagccatctg ttgtttgccc ctccccgtg	2040
actgtccttt cctaataaaa tgaggaaatt	2100
attctggggg gtgggggtggg gcaggacagc	2160
catgctgggg atgcggtggg ctctatgg	2188

<210> 4

<211> 2444

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 4

ggatcccaac gaccccgccc atgggtccca	60
gccagcgtat ccacccccgc ccgggtcccc	120
aattaaatac atgccacgta cttatggtgt	180
ggcggggggc ccgcccgggg ggcggaacta	240
cacgggtata aggacatcca ccacccggcc	300
ggtcacgctt cggtgcctct ccccgattcg	360
accagaggcc atatccgaca cccagcccc	420
tgacattgat atgctaattg acctcggcct	480
cccccccgag ccggcggaga gccgccgca	540
ttcctcgtcg gacgaggaca tggaagacct	600
cgacgccgct cgcccgccgg tccgcccgtc	660

Sequence listing (002).TXT

ccagacgcct cgtccgacgg agcggcaggg ccccaacgat cctcaaccag cgccccacag	720
tgtgtggtcg cgcctcgggg cccggcgacc gtcttgctcc cccgagcggc acggggggcaa	780
ggtggcccg cccaacccc caccgaccaa agcccagcct gcccgcggcg gacgccgtgg	840
gcgtcgagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt cggacccccg	900
ccggcgtgcc cccagaacca atcgcaaccc ggggggaccc cgccccgggg cggggtggac	960
ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc ccgaccacc	1020
cggaggcccc cggacacgga gcgtgcgcca agcaccccc ccgctaata cgctggcgat	1080
tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc ccgccgccga	1140
caccatcgac gccaccacgc ggttggtcct gcgctccatc tccgagcgcg cggcggtcga	1200
ccgcatcagc gagagcttcg gccgcagcgc acaggtcatg cacgaccct ttggggggca	1260
gccgtttccc gccgcgaata gcccctgggc cccggtgctg gcgggccaag gagggccctt	1320
tgacgccgag accagacggg tctcctggga aaccttggtc gccacggcc cgagcctcta	1380
tcgcactttt gccggcaatc ctcgggccgc atcgaccgcc aaggccatgc gcgactgcgt	1440
gctgcgcaa gaaaatttca tcgaggcgct ggcctccgcc gacgagacgc tggcgtggtg	1500
caagatgtgc atccaccaca acctgccgct gcgccccag gacccatta tcgggacggc	1560
cgcgggcgtg ctggataacc tcgccacgcg cctgcggccc tttctccagt gctacctgaa	1620
ggcgcgaggc ctgtgcggcc tggacgaact gtgttcgcgg cggcgtctgg cggacattaa	1680
ggacattgca tccttcgtgt ttgtcattct ggccaggctc gccaaccgcg tcgagcgtgg	1740
cgtcgcggag atcgactacg cgacccttgg tgtcggggtc ggagagaaga tgcatttcta	1800
cctccccggg gcctgcatgg cgggcctgat cgaaatccta gacacgcacc gccaggagtg	1860
ttcgagtcgt gtctgcgagt tgacggccag tcacatcgtc gccccccgt acgtgcacgg	1920
caaatatttt tattgcaact ccctgtttta ggtacaataa aaacaaaaca tttcaacaa	1980
atgccccac gtgttgctct tctttgctca tggccggcgg ggcgtgggtc acggcagatg	2040
gcgggggtgg gcccggcgta cggcctgggt gggcggaggg aactaaccca acgtataaat	2100
ccgtccccgc tccaaggccg gtgtcatagt gcccttagga gcttcccgcc cgggcgcatac	2160
cccccttttg cactatgaca gcgaccccc tcaccaacct gttcttacgg gccccgaca	2220

Sequence listing (002).TXT

taaccacgt ggccccccct tactgcctca acgccacctg gcaggccgaa acggccatgc	2280
acaccagcaa aacggactcc gcttgctgg ccgtgcggag ttacctggtc cgcgcctcct	2340
gtgagaccag cggcacaatc cactgctttt tctttgcggg atacaaggac acccaccata	2400
cccctccgct gattaccgag ctccgcaact ttgcggacct gggt	2444

<210> 5

<211> 2314

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 5

cgtcacatcc aggccggcgg aaaccggaac ggcatatgca aactggaaac tgtcctgtct	60
tggggccac ccacccgacg cgtcacatgt aaatgaaaat cgttcccccg aggccatgtg	120
tagcctggat cccaacgacc ccgcccattg gtcccaattg gccgtcccgt taccaagacc	180
aaccagcca gcgtatccac cccgcccgg gtccccgcgg aagcggaaac gtgtatgtga	240
tatgctaatt aaatacatgc cacgtactta tgggtgtctga ttggctcttg tctgtgccgg	300
aggtggggcg ggggccccgc ccggggggcg gaactaggag gggtttggga gagccggccc	360
cggcaccacg ggtataagga catccaccac ccggccgggtg gtgggtgtgca gccgtgttcc	420
aaccacggtc acgcttcggg gcctctcccc gattcggggc cggtcgcttg ctaccggtgc	480
gccaccacca gaggccatat ccgacacccc agccccgacg gcagccgaca gcccggtcat	540
ggcgactgac attgatatgc taattgacct cggcctggac ctctccgaca gcgatctgga	600
cgaggacccc cccgagccgg cggagagccg ccgacgacac ctggaatcgg acagcaacgg	660
ggagtgttcc tcgtcggacg aggacatgga agacccccac ggagaggacg gaccggagcc	720
gatactcgac gccgctcgcc cggcggtccg cccgtctcgt ccagaagacc ccggcgtacc	780
cagcaccag acgcctcgtc cgacggagcg gcagggcccc aacgacctc aaccagcgcc	840
ccacagtgtg tggctcgccc tcggggcccc gcgaccgtct tgctcccccg agcggcacgg	900
gggcaagggtg gcccgcctcc aacccccacc gaccaaagcc cagcctgccc gcggcggacg	960

Sequence listing (002).TXT

ccgtgggctg	cgaggggtc	ggggtcgcgg	tggtcccggg	gccgccgatg	gtttgtcggg	1020
cccccgccgg	cgtgccccca	gaaccaatcg	caacccgggg	ggacccccgcc	ccggggcggg	1080
gtggacggac	ggccccggcg	ccccccatgg	cgaggcgtgg	cgcggaagtg	agcagcccga	1140
cccacccgga	ggccccggga	cacggagcgt	gcgccaagca	ccccccccgc	taatgacgct	1200
ggcgattgcc	cccccgcccc	cggacccccg	cgccccggcc	ccggagcgaa	aggcgccccg	1260
cgccgacacc	atcgacgcca	ccacgcgggt	ggctctgcgc	tccatctccg	agcgcgcggc	1320
ggtcgaccgc	atcagcgaga	gcttcggccg	cagcgcacag	gtcatgcacg	acccttttgg	1380
ggggcagccg	tttcccgccg	cgaatagccc	ctgggccccg	gtgctggcgg	gccaaaggagg	1440
gccctttgac	gccgagacca	gacgggtctc	ctgggaaacc	ttggtcgccc	acggcccag	1500
cctctatcgc	acttttgccg	gcaatcctcg	ggccgcatcg	accgccaagg	ccatgcgcga	1560
ctgcgtgctg	cgccaagaaa	atttcacga	ggcgtggcc	tccgccgacg	agacgctggc	1620
gtggtgcaag	atgtgcatcc	accacaacct	gccgctgcgc	ccccaggacc	ccattatcgg	1680
gacggccgcg	gcggtgctgg	ataacctcgc	cacgcgcctg	cggccctttc	tccagtgcta	1740
cctgaaggcg	cgaggactct	gtggactcga	tgagctctgc	tctcgccgac	ggctcgccga	1800
tatcaaagat	atgcctctt	ttgtcttcgt	gatcctcgct	cgcttggtta	atagagtgga	1860
aagaggagt	gccgaaattg	attatgccac	attgggcgtg	ggcgtgggcg	aaaaaatgca	1920
cttttattta	cctggcgctt	gtatggctgg	attgattgag	attctggata	cccatagaca	1980
agaatgctcc	tctagagtgt	gtgaactgac	cgcttcccat	attgtggctc	ctccctatgt	2040
ccatggaaag	tacttctact	gtaatagtct	cttctaggct	agcgaattcc	tgtgccttct	2100
agttgccagc	catctgttgt	ttgcccctcc	cccgtgcctt	ccttgaccct	ggaaggtgcc	2160
actcccactg	tcctttccta	ataaaatgag	gaaattgcat	cgcatgtgtc	gagtaggtgt	2220
cattctattc	tgggggggtg	ggtggggcag	gacagcaagg	gggaggattg	ggaagacaat	2280
agcaggcatg	ctgggggatg	ggtgggctct	atgg			2314

<210> 6

<211> 2188

<212> DNA

<213> Artificial Sequence

Sequence listing (002).TXT

<220>

<221> source

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

<400> 6

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaacca	60
gccagcgatat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg	180
ggcggggggcc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg cttgctaccg gtgcgccacc	360
accagaggcc atatccgaca cccagcccc gacggcagcc gacagcccgg tcatggccac	420
cgacatcgac atgctgatcg atttaggttt agatttaagc gacagcgatc tggacgagga	480
cccccccgaa cccgctgaat ctctgcggga cgatttagag tccgactcca atggagagtg	540
tagcagcagc gacgaggaca tggaagacct tcacggcgag gatggccccg aacctattct	600
cgatgctgct cggcccgctg tgaggccttc ccggcccgaa gatcccgggtg tgcctagcac	660
ccaaaccctt cgtcctaccg agcggcaagg tcccaatgat cctcagcccg cccctcatag	720
cgtctggtct cgtctgggag ctaggaggcc tagctgttcc cccgaacggc acggaggcaa	780
agtggctagg ctgcagcctc cccccaccaa agctcaacct gctcggggag gccggagggg	840
tcgtcggcgg ggtcgtggaa ggggcggccc cggtgctgcc gacggactga gcgatcctag	900
gaggagggcc cctcggacca atcgtaatcc cggtggacct cgtcccgggtg ctggatggac	960
cgatggacct ggtgctcctc acggagaggc ttggagggga agcgagcagc ccgatcctcc	1020
cggtggccct aggacaagga gcgttcgtca agctcctcct cctctcatga ctttagccat	1080
tgccccctct cccgctgata ctagggctcc cgctcccgaa aggaaagccc ccgccgccga	1140
taccattgac gccacaactc gtctcgtgct gaggtccatt tccgaacggg ccgccgtcga	1200
tcgtatcagc gagagcttcg gaaggtccgc ccaagttatg cacgatccct tcggcggcca	1260
accctttccc gctgctaata gcccttgggc cccgtgctg gctggacaag gaggcccttt	1320
cgacgccgag actcgtaggg tgagctggga gacactggtg gcccatggcc cttctttata	1380

Sequence listing (002).TXT

ccggacattc gctggcaacc ctcgtgctgc cagcacagct aaggccatgc gggactgtgt	1440
gctgcggcaa gaaaacttca ttgaggcttt agccagcgct gatgagactt tagcttggtg	1500
caagatgtgc atccaccaca atttacctct gaggcccaa gatcccatca ttggcacagc	1560
cgccgccgtg ctggataatt tagccactcg tctccggccc tttctgcagt gctacctcaa	1620
agccccgggt ttatgcggac tcgatgagct gtgttctcgt cggaggctgg ccgacatcaa	1680
ggacatcgcc agcttcgtgt tcgtgacccg cgctcgtctg gccaatcgtg tggagagggg	1740
agtggccgaa atcgattatg ccaccttagg cgtgggcgtt ggcgagaaga tgcactttta	1800
tttaccgggt gcttgatagg ccggactcat tgagatcctc gatacccacc ggcaagaatg	1860
ctcctctcgt gtgtgcgagc tgaccgcttc ccacattgtg gcccccccct acgtgcacgg	1920
aaaatacttc tactgtaact ctttattctg agctagcgaa ttcctgtgcc ttctagttgc	1980
cagccatctg ttgtttgccc ctccccgtg ctttccttga ccctggaagg tgccactccc	2040
actgtccttt cctaataaaa tgaggaaatt gcacgcatt gtctgagtag gtgtcattct	2100
attctggggg gtgggggtgg gcaggacagc aagggggagg attgggaaga caatagcagg	2160
catgctgggg atgcgggtgg ctctatgg	2188

<210> 7

<211> 2188

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 7

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaacca	60
gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
aattaaatac atgccacgta cttatggtgt ctgattggct cttgtctgtg ccggaggtgg	180
ggcggggggc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccattcg ggcccgtcg cttgctaccg gtgcgccacc	360

Sequence listing (002).TXT

accagaggcc atatccgaca ccccagcccc gacggcagcc gacagcccgg tcatggctac	420
agacatcgac atgctgatcg acctgggcct cgacctgtct gactctgatac tggacgaaga	480
tcctcctgag cctgccgagt ccagaaggga cgacctggaa tctgactcta acggcgagtg	540
ctcctccagc gacgaggata tggaagatcc acatggcgag gacggccctg agcctatattt	600
ggatgctgcc agacctgccg tgcggccttc tagacctgaa gatcctggcg tgccatctac	660
acagaccct agacctacag agcggcaggg ccctaatagat cctcagcctg ctcctcactc	720
cgtgtggtct agattgggag ccagacggcc ttcctgtctt cctgaaagac atggcggcaa	780
ggtggcaaga ctgcagcctc ctccaacaaa ggctcaacct gctagaggcg gcagaagggg	840
cagacgtaga ggtagaggaa gaggtggacc tggcgctgct gatggcttgt ctgatactag	900
aagaagggcc cctcggacca acagaaatcc tgggtggacct agaccaggcg ccggatggac	960
agatggtcca ggtgctcctc atggcgaagc ttggagagga tctgagcaac ctgatactcc	1020
aggcggcccct agaaccagat ctgttagaca ggctcctcct cctctgatga ccctggctat	1080
tgctccacct cctgccgata ctagagcacc cgctccagaa agaaaggccc ctgctgctga	1140
caccatcgac gctacaacaa gactggtgct gcggtccatc tctgagaggg ccgctgtgga	1200
cagaatctcc gactctttcg gccgctctgc ccaagtgatg cacgatactt ttggcggcca	1260
gccttttcct gccgccaatt ctccttgggc tcctgtgttg gctggccaag gcggaccttt	1320
tgacgccgag acaagaagag tgtcctggga gacctgggtg gctcacggac ctagcctgta	1380
cagaaccttc gctggcaacc ctagagccgc ttctaccgcc aaggccatga gagactgtgt	1440
gctgagacaa gagaacttca tcgaggccct ggcctctgcc gatgagactc tggcttggtg	1500
caagatgtgt atccaccaca acctgcctct gcggcctcag gacctatca ttggaacagc	1560
tgccgccgtg ctggataacc tggctaccag actcagaccc ttcctgcagt gctacctgaa	1620
ggctagaggc ctgtgtggcc tggacgagct gtgctccaga agaaggctgg ctgatatcaa	1680
ggatatcgcc tccttcgtgt tcgtgatact ggccagactg gctaacagag tggaaagagg	1740
cgtggccgag atcgattatg ctaccctcgg agtcggcgtg ggcgagaaga tgcattttta	1800
cctgcctggc gcctgcatgg ccggactgat cgagattctg gataccacc ggcaagagtg	1860
ctccagcaga gtgtgtgaac tgaccgcctc tcacatcgtg gctcctccat acgtgcacgg	1920

Sequence listing (002).TXT

caagtacttc tactgcaact ccctgttctg agctagcgaa ttcctgtgcc ttctagttgc	1980
cagccatctg ttgtttgccc ctccccctg ccttccttga ccctggaagg tgccactccc	2040
actgtccttt cctaataaaa tgaggaaatt gcatcgcatt gtctgagtag gtgtcattct	2100
attctggggg gtgggggtggg gcaggacagc aagggggagg attgggaaga caatagcagg	2160
catgctgggg atgcggtggg ctctatgg	2188

<210> 8

<211> 2314

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 8

cgtcacatcc aggccggcgg aaaccggaac ggcatatgca aactggaac tgtcctgtct	60
tggggccac ccacccgacg cgtcatatgt aaatgaaaat cgttcccccg aggccatgtg	120
tagcctggat cccaacgacc ccgcccattg gtcccaattg gccgtcccgt taccaagacc	180
aaccagcca gcgtatccac ccccgcccgg gtccccgcgg aagcggaacg gtgtatgtga	240
tatgctaatt aaatacatgc cacgtactta tgggtgtctga ttggtccttg tctgtgccgg	300
aggtggggcg ggggccccgc ccggggggcg gaactaggag gggtttgga gagccggccc	360
cggcaccacg ggtataagga catccaccac ccggccggtg gtgggtgtgca gccgtgttcc	420
aaccacggtc acgcttcggt gcctctcccc gattcgggcc cggtcgcttg ctaccggtgc	480
gccaccacca gaggccatat ccgacacccc agccccgacg gcagccgaca gcccggtcac	540
ggcgactgac attgatatgc taattgacct cggcctggac ctctccgaca gcgatctgga	600
cgaggacccc cccgagccgg cggagagccg ccgacgacac ctggaatcgg acagcaacgg	660
ggagtgttcc tcgtcggacg aggacatgga agacccccac ggagaggacg gaccggagcc	720
gatactcgac gccgctcgcc cggcggtccg cccgtctcgt ccagaagacc ccggcggtacc	780
cagcaccag acgcctcgtc cgacggagcg gcaggggccc aacgatcctc aaccagcgcc	840
ccacagtgtg tggtcgcgcc tcggggcccc gcgaccgtct tgctcccccg agcggcacgg	900

Sequence listing (002).TXT

gggcaaggtg gccgcctcc aacccccacc gaccaaagcc cagcctgccc gcggcggacg	960
ccgtgggctg cgcaggggtc ggggtcgcgg tgggtcccggg gccgccgatg gtttgtcggg	1020
ccccgccgg cgtgccccca gaaccaatcg caaccgggg ggaccccgcc ccggggcggg	1080
gtggacggac ggccccggcg ccccccatgg cgaggcgtgg cgcggaagtg agcagcccga	1140
cccacccgga ggccccgcca cacggagcgt gcgccaagca cccccccgc taatgacgct	1200
ggcgattgcc cccccgccg cggacccccg cggccggcc ccggagcgaa aggcgcccgc	1260
cgccgacacc atcgacgcca ccacgcggtt ggtcctgcgc tccatctccg agcgcgcggc	1320
ggtcgaccgc atcagcgaga gtttcggccg cagcgcacag gtcatgcacg acccctttgg	1380
ggggcagccg tttcccgccg cgaatagccc ctgggccccg gtgctggcgg gccaaaggagg	1440
gccctttgac gccgagacca gacgggtctc ctgggaaacc ttggtcgccc acggcccag	1500
cctctatcgc acttttgccg gcaatcctcg ggccgcatcg accgccaagg ccatgcgcga	1560
ctgcgtgctg cgccaagaaa atttcatcga ggcgctggcc tccgccgacg agacgctggc	1620
gtggtgcaag atgtgcatcc accacaacct gccgctgcgc cccaggacc ccattatcgg	1680
gacggccgcg gcgggtgctgg ataacctcgc cacgcgcctg cggccctttc tccagtgcta	1740
cctgaaggcg cgaggcctgt gcggcctgga cgaactgtgt tcgcggcggc gtctggcggg	1800
cattaaggac attgcatcct tcgtgtttgt cattctggcc aggctcgcca accgcgtcga	1860
gcgtggcgtc gcggagatcg actacgcgac ctttgggtgtc ggggtcggag agaagatgca	1920
tttctacctc cccggggcct gcatggcggg cctgatcgaa atcctagaca cgcaccgcca	1980
ggagtgttcg agtcgtgtct gcgagttgac ggccagtcac atcgtcgccc cccgtacgt	2040
gcacggcaaa tatttttatt gcaactccct gttttaggct agcgaattcc tgtgccttct	2100
agttgccagc catctgttgt ttgcccctcc cccgtgcctt ccttgaccct ggaaggtgcc	2160
actcccactg tcctttccta ataaaatgag gaaattgcat cgcattgtct gagtaggtgt	2220
cattctattc tgggggggtgg ggtggggcag gacagcaagg gggaggattg ggaagacaat	2280
agcaggcatg ctgggggatgc ggtgggctct atgg	2314

<210> 9

<211> 2188

<212> DNA

Sequence listing (002).TXT

<213> Artificial Sequence

<220>

<221> source

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

<400> 9

ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaaccca	60
gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct	120
aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg	180
ggcggggggc ccgccccggg ggcggaacta ggaggggttt gggagagccg gccccggcac	240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac	300
ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg cttgctaccg gtgcgccacc	360
accagaggcc atatccgaca cccagcccc gacggcagcc gacagcccgg tcatggcgac	420
tgacattgat atgctaattg acctcggcct ggacctctcc gacagcgatc tggacgagga	480
cccccccgag ccggcggaga gccgccgca cgacctggaa tcggacagca acggggagtg	540
ttcctcgtcg gacgaggaca tggaagacct ccacggagag gacggaccgg agccgatact	600
cgacgccgct cgccccggcg tccgcccgtc tcgtccagaa gaccccgcg taccagcac	660
ccagacgcct cgtccgacgg agcggcaggg cccaacgat cctcaaccag cgccccacag	720
tgtgtggtcg cgcctcgggg ccgggcgacc gtcttgctcc cccgagcggc acgggggcaa	780
ggtggccccg ctccaacccc caccgaccaa agcccagcct gcccgcggcg gacgccgtgg	840
gcgtcgcagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt cggacccccg	900
ccggcgtgcc ccagaacca atcgcaacct ggggggacct cgccccgggg cggggtggac	960
ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc ccgaccacc	1020
cggaggcccc cgacacgga gcgtgcgcca agcaccccc ccgctaatga cgctggcgat	1080
tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc ccgccgccga	1140
caccatcgac gccaccacgc ggttggtcct gcgtccatc tccgagcgcg cggcggtcga	1200
ccgcatcagc gagagcttcg gccgcagcgc acaggtcatg cacgaccct ttggggggca	1260
gccgtttccc gccgcgaata gcccctgggc cccggtgctg gcgggccaag gagggccctt	1320

Sequence listing (002).TXT

tgacgccgag accagacggg tctcctggga aaccttgggc gccacggcc cgagcctcta	1380
tcgcactttt gccggcaatc ctcgggcccgc atcgaccgcc aaggccatgc gcgactgcgt	1440
gctgcgcaa gaaaatttca tcgaggcgct ggcctccgcc gacgagacgc tggcgtggtg	1500
caagatgtgc atccaccaca acctgccgct gcgccccag gacccatta tcgggacggc	1560
cgcgggcgtg ctggataacc tcgccacgcg cctgcggccc tttctccagt gctacctgaa	1620
ggcgcgaggc ctgtgcggcc tggatgaact gtgctctaga agaaggctgg ccgatatcaa	1680
ggatatcgcc tccttcgtgt tcgtgacccg ggcctggctg gccaacagag tggaaagagg	1740
cgtggccgag atcgactatg ctaccctcgg agttggcgtg ggcgagaaga tgcactttta	1800
cctgcctggc gcctgtatgg ccggcctgat cgagatcctg gacaccaca gacaagagt	1860
ctcctccaga gtgtgcgagc tgaccgcttc tcacatcgtg gctcctccat acgtgcacgg	1920
caagtacttc tactgcaact ccctgttctg agctagcgaa ttcctgtgcc ttctagttgc	1980
cagccatctg ttgtttgccc ctccccgtg ctttccttga ccctggaagg tgccactccc	2040
actgtccttt cctaataaaa tgaggaaatt gcacgcatt gtctgagtag gtgtcattct	2100
attctggggg gtgggggtggg gcaggacagc aagggggagg attgggaaga caatagcagg	2160
catgctgggg atgcggtggg ctctatgg	2188

<210> 10

<211> 512

<212> PRT

<213> Herpes simplex virus 1

<400> 10

Met	Ala	Thr	Asp	Ile	Asp	Met	Leu	Ile	Asp	Leu	Gly	Leu	Asp	Leu	Ser
1				5					10					15	

Asp	Ser	Asp	Leu	Asp	Glu	Asp	Pro	Pro	Glu	Pro	Ala	Glu	Ser	Arg	Arg
			20					25					30		

Asp	Asp	Leu	Glu	Ser	Asp	Ser	Asn	Gly	Glu	Cys	Ser	Ser	Ser	Asp	Glu
		35					40					45			

Asp	Met	Glu	Asp	Pro	His	Gly	Glu	Asp	Gly	Pro	Glu	Pro	Ile	Leu	Asp
	50					55					60				

Sequence listing (002).TXT

Ala Ala Arg Pro Ala Val Arg Pro Ser Arg Pro Glu Asp Pro Gly Val
65 70 75 80

Pro Ser Thr Gln Thr Pro Arg Pro Thr Glu Arg Gln Gly Pro Asn Asp
85 90 95

Pro Gln Pro Ala Pro His Ser Val Trp Ser Arg Leu Gly Ala Arg Arg
100 105 110

Pro Ser Cys Ser Pro Glu Arg His Gly Gly Lys Val Ala Arg Leu Gln
115 120 125

Pro Pro Pro Thr Lys Ala Gln Pro Ala Arg Gly Gly Arg Arg Gly Arg
130 135 140

Arg Arg Gly Arg Gly Arg Gly Gly Pro Gly Ala Ala Asp Gly Leu Ser
145 150 155 160

Asp Pro Arg Arg Arg Ala Pro Arg Thr Asn Arg Asn Pro Gly Gly Pro
165 170 175

Arg Pro Gly Ala Gly Trp Thr Asp Gly Pro Gly Ala Pro His Gly Glu
180 185 190

Ala Trp Arg Gly Ser Glu Gln Pro Asp Pro Pro Gly Gly Pro Arg Thr
195 200 205

Arg Ser Val Arg Gln Ala Pro Pro Pro Leu Met Thr Leu Ala Ile Ala
210 215 220

Pro Pro Pro Ala Asp Pro Arg Ala Pro Ala Pro Glu Arg Lys Ala Pro
225 230 235 240

Ala Ala Asp Thr Ile Asp Ala Thr Thr Arg Leu Val Leu Arg Ser Ile
245 250 255

Ser Glu Arg Ala Ala Val Asp Arg Ile Ser Glu Ser Phe Gly Arg Ser
260 265 270

Sequence listing (002).TXT

Ala Gln Val Met His Asp Pro Phe Gly Gly Gln Pro Phe Pro Ala Ala
275 280 285

Asn Ser Pro Trp Ala Pro Val Leu Ala Gly Gln Gly Gly Pro Phe Asp
290 295 300

Ala Glu Thr Arg Arg Val Ser Trp Glu Thr Leu Val Ala His Gly Pro
305 310 315 320

Ser Leu Tyr Arg Thr Phe Ala Gly Asn Pro Arg Ala Ala Ser Thr Ala
325 330 335

Lys Ala Met Arg Asp Cys Val Leu Arg Gln Glu Asn Phe Ile Glu Ala
340 345 350

Leu Ala Ser Ala Asp Glu Thr Leu Ala Trp Cys Lys Met Cys Ile His
355 360 365

His Asn Leu Pro Leu Arg Pro Gln Asp Pro Ile Ile Gly Thr Ala Ala
370 375 380

Ala Val Leu Asp Asn Leu Ala Thr Arg Leu Arg Pro Phe Leu Gln Cys
385 390 395 400

Tyr Leu Lys Ala Arg Gly Leu Cys Gly Leu Asp Glu Leu Cys Ser Arg
405 410 415

Arg Arg Leu Ala Asp Ile Lys Asp Ile Ala Ser Phe Val Phe Val Ile
420 425 430

Leu Ala Arg Leu Ala Asn Arg Val Glu Arg Gly Val Ala Glu Ile Asp
435 440 445

Tyr Ala Thr Leu Gly Val Gly Val Gly Glu Lys Met His Phe Tyr Leu
450 455 460

Pro Gly Ala Cys Met Ala Gly Leu Ile Glu Ile Leu Asp Thr His Arg
465 470 475 480

Sequence listing (002).TXT

Gln Glu Cys Ser Ser Arg Val Cys Glu Leu Thr Ala Ser His Ile Val
485 490 495

Ala Pro Pro Tyr Val His Gly Lys Tyr Phe Tyr Cys Asn Ser Leu Phe
500 505 510

<210> 11

<211> 2077

<212> DNA

<213> Herpes simplex virus 1

<400> 11

cgtcacatcc aggccggcgg aaaccggaac ggcataatgca aactggaaac tgtcctgtct	60
tggggcccccac ccacccgacg cgtcatatgt aaatgaaaat cgttcccccg aggccatgtg	120
tagcctggat cccaacgacc ccgcccattg gtcccaattg gccgtcccgt taccaagacc	180
aaccagcca gcgtatccac ccccggcggg gtcccgcggaagc gtgtatgtga	240
tatgctaatt aaatacatgc cacgtactta tgggtgtctga ttggctcttg tctgtgccgg	300
aggtggggcg ggggccccgc ccggggggcg gaactaggag gggtttgga gagccggccc	360
cggcaccacg ggtataagga catccaccac ccggccggtg gtgggtgtgca gccgtgttcc	420
aaccacggtc acgcttcggt gcctctcccc gattcggggc cggtcgcttg ctaccggtgc	480
gccaccacca gaggccatat ccgacacccc agccccgacg gcagccgaca gcccgggtcat	540
ggcgactgac attgatatgc taattgacct cggcctggac ctctccgaca gcgatctgga	600
cgaggacccc cccgagccgg cggagagccg ccgcgacgac ctggaatcgg acagcaacgg	660
ggagtgttcc tcgtcggacg aggacatgga agacccccac ggagaggacg gaccggagcc	720
gatactcgac gccgctcgcc cggcggtccg cccgtctcgt ccagaagacc ccggcgtacc	780
cagcaccag acgcctcgtc cgacggagcg gcagggcccc aacgatcctc aaccagcgcc	840
ccacagtgtg tggtcgccc tcggggcccc gcgaccgtct tgctcccccg agcggcacgg	900
gggcaagggtg gcccgcctcc aacccccacc gaccaaagcc cagcctgccc gcggcggacg	960
ccgtgggctg cgcaggggtc ggggtcgcgg tgggtcccggg gccgccgatg gtttgtcgga	1020
ccccgccgg cgtgccccca gaaccaatcg caaccgggg ggaccccgcc ccggggcggg	1080
gtggacggac ggccccggcg ccccccattg cgaggcgtgg cgcggaagtg agcagcccga	1140

Sequence listing (002).TXT

```

cccccccgga ggccccgcgga cacggagcgt gcgccaagca cccccccgc taatgacgct      1200
ggcgattgcc cccccgcccg cggacccccg cgccccggcc ccggagcgaa aggcgcccgc      1260
cgccgacacc atcgacgcca ccacgcggtt ggtcctgcgc tccatctccg agcgcgcggc      1320
ggtcgaccgc atcagcgaga gcttcggccg cagcgcacag gtcatgcacg acccctttgg      1380
ggggcgagccg tttcccgccg cgaatagccc ctgggccccg gtgctggcgg gccaaaggagg      1440
gccctttgac gccgagacca gacgggtctc ctgggaaacc ttggtcgccc acggcccagag      1500
cctctatcgc acttttgccg gcaatcctcg ggccgcacatc accgccaagg ccatgcgcga      1560
ctgcgtgctg cgccaagaaa atttcatcga ggcgctggcc tccgccgacg agacgctggc      1620
gtggtgcaag atgtgcatcc accacaacct gccgctgcgc ccccaggacc ccattatcgg      1680
gacggccgcg gcggtgctgg ataacctcgc cacgcgcctg cggccctttc tccagtgcta      1740
cctgaaggcg cgaggcctgt gcggcctgga cgaactgtgt tcgcggcggc gtctggcgga      1800
cattaaggac attgcatcct tcgtgtttgt cattctggcc aggctcgcca accgcgtcga      1860
gcgtggcgtc gcggagatcg actacgcgac ctttgggtgtc ggggtcggag agaagatgca      1920
tttctacctc cccggggcct gcatggcggg cctgatcgaa atcctagaca cgcaccgcca      1980
ggagtgttcg agtcgtgtct gcgagttgac ggccagtcac atcgtcgccc ccccgtagct      2040
gcacggcaaa tatttttatt gcaactccct gttttag      2077

```

<210> 12

<211> 1881

<212> DNA

<213> Artificial Sequence

<220>

<221> source

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

<400> 12

```

ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct aattaaatac      60
atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggagggtg ggccgggggcc      120
ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac cacgggtata      180
aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac ggtcacgctt      240

```

Sequence listing (002).TXT

cggtgcctct	ccccgattcg	ggccccggtcg	cttgctaccg	gtgcgccacc	accagaggcc	300
atatccgaca	ccccagcccc	gacggcagcc	gacagcccgg	tcatggcgac	tgacattgat	360
atgctaattg	acctcggcct	ggacctctcc	gacagcgatc	tggacgagga	cccccccag	420
ccggcggaga	gccgccgcga	cgacctggaa	tcggacagca	acggggagtg	ttcctcgtcg	480
gacgaggaca	tggaagacct	ccacggagag	gacggaccgg	agccgatact	cgacgccgct	540
cgcggggcgg	tccgcccgtc	tcgtccagaa	gaccccggcg	taccagcac	ccagacgcct	600
cgtccgacgg	agcggcaggg	ccccaacgat	cctcaaccag	cgccccacag	tgtgtggtcg	660
cgcctcgggg	cccggcgacc	gtcttgctcc	cccagcggc	acgggggcaa	ggtggcccgc	720
ctccaacccc	caccgaccaa	agcccagcct	gcccgcggcg	gacgccgtgg	gcgtcgcagg	780
ggtcggggtc	gcgggtggtc	cggggccgcc	gatggtttgt	cggacccccg	ccggcgtgcc	840
cccagaacca	atcgcaacct	gggggggacc	cgccccgggg	cggggtggac	ggacggcccc	900
ggcggcccc	atggcgaggc	gtggcgcgga	agtgcgcagc	ccgaccacc	cggaggcccc	960
cggacacgga	gcgtgcgcca	agcacccccc	ccgctaata	cgctggcgat	tgcccccccg	1020
cccgcggacc	cccgcgcccc	ggccccggag	cgaaaggcgc	ccgccgccga	caccatcgac	1080
gccaccacgc	ggttggtcct	gcgctccatc	tccgagcgcg	cggcggtcga	ccgcacgcgc	1140
gagagcttcg	gccgcagcgc	acaggtcatg	cacgaccctt	ttggggggca	gccgtttccc	1200
gccgcgaata	gcccctgggc	cccgggtgctg	gcgggccaag	gagggccctt	tgacgccgag	1260
accagacggg	tctcctggga	aaccttggtc	gcccacggcc	cgagcctcta	tcgcactttt	1320
gccggcaatc	ctcgggcccgc	atcgaccgcc	aaggccatgc	gcgactgcgt	gctgcgccaa	1380
gaaaatttca	tcgaggcgct	ggcctccgcc	gacgagacgc	tggcgtggtg	caagatgtgc	1440
atccaccaca	acctgccgct	gcgccccag	gacccatta	tcgggacggc	cgcggcggtg	1500
ctggataacc	tcgccacgcg	cctgcggccc	tttctccagt	gctacctgaa	ggcgcgagga	1560
ctctgtggac	tcgatgagct	ctgctctcgc	cgacggctcg	ccgatataca	agatatcgcc	1620
tcttttgtct	tcgtgatcct	cgctcgcttg	gctaatagag	tggaaagagg	agtggccgaa	1680
attgattatg	ccacattggg	cgtgggcgtg	ggcgaaaaaa	tgcaacttta	tttacctggc	1740
gcttgatatg	ctggattgat	tgagattctg	gatacccata	gacaagaatg	ctcctctaga	1800

Sequence listing (002).TXT

gtgtgtgaac tgaccgcttc ccatattgtg gtcctcctt atgtccatgg aaagtacttc 1860
tactgtaata gtctcttcta g 1881

<210> 13
<211> 2929
<212> DNA
<213> Artificial Sequence

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

<400> 13
ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa gaccaacca 60
gccagcgtat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct 120
aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg 180
ggcggggggc ccgcccgggg ggcggaacta ggaggggttt gggagagccg gccccggcac 240
cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac 300
ggtcacgctt cggtgcctct ccccattcg ggcccggtcg cttgctaccg gtgcgccacc 360
accagaggcc atatccgaca ccccagcccc gacggcagcc gacagcccgg tcatggcgac 420
tgacattgat atgctaattg acctcggcct ggacctctcc gacagcgatc tggacgagga 480
cccccccgag ccggcggaga gccgccgca cgacctgga tccgacagca acggggagtg 540
ttcctcgtcg gacgaggaca tggaagacct ccacggagag gacggaccgg agccgatact 600
cgacgccgct cgcccggcgg tccgcccgtc tcgtccagaa gaccccggcg taccagcac 660
ccagacgcct cgtccgacgg agcggcaggg cccaacgat cctcaaccag cgccccacag 720
tgtgtggtcg cgcctcgggg cccggcgacc gtcttgctcc cccgagcggc acgggggcaa 780
ggtggcccg cccaacccc caccgaccaa agcccagcct gcccgcgcg gacgccgtgg 840
gcgtcgcagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt cggacccccg 900
ccggcgtgcc ccagaacca atcgcaacct ggggggacct cgccccgggg cggggtggac 960
ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc ccgaccacc 1020
cggaggcccc cggacacgga gcgtgcgcca agcaccccc ccgctaata cgctggcgat 1080

Sequence listing (002).TXT

tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc ccgcccgcga	1140
caccatcgac gccaccacgc ggttggtcct gcgctccatc tccgagcgcg cggcgggtcga	1200
ccgcatcagc gagagcttcg gccgcagcgc acaggatcatg cacgaccctt ttgggggggca	1260
gccgtttccc gccgcgaata gcccctgggc cccggtgctg gcggggccaag gagggccctt	1320
tgacgccgag accagacggg tctcctggga aaccttggtc gcccacggcc cgagcctcta	1380
tcgcactttt gccggcaatc ctcgggcccgc atcgaccgcc aaggccatgc gcgactgcgt	1440
gctgcgcaa gaaaatttca tcgaggcgcgt ggcctccgcc gacgagacgc tggcgtggtg	1500
caagatgtgc atccaccaca acctgccgct gcgccccag gacccatta tcgggacggc	1560
cgcggcgggtg ctggataacc tcgccacgcg cctgcggccc tttctccagt gctacctgaa	1620
ggcgcgagga ctctgtggac tcgatgagct ctgctctcgc cgacggctcg ccgatatcaa	1680
agatatcgcc tcttttgtct tcgtgatcct cgctcgcttg gctaatagag tggaaagagg	1740
agtggccgaa attgattatg ccacattggg cgtgggcgtg ggcgaaaaaa tgcactttta	1800
tttacctggc gcttgatagg ctggattgat tgagattctg gatacccata gacaagaatg	1860
ctcctctaga gtgtgtgaac tgaccgcttc ccatattgtg gctcctccct atgtccatgg	1920
aaagtacttc tactgtaata gtctcttcta ggctctcgac aatcaacctc tggattacaa	1980
aatttgtgaa agattgactg gtattcttaa ctatgttgct ctttttacgc tatgtggata	2040
cgctgcttta atgcctttgt atcatgctat tgcttcccgt atggctttca ttttctcctc	2100
cttgataaaa tcctggttgc tgtctcttta tgaggagttg tggcccgttg tcaggcaacg	2160
tggcgtggtg tgcactgtgt ttgctgacgc aacccccact ggttggggca ttgccaccac	2220
ctgtcagctc ctttccggga ctttcgcttt cccctccct attgccacgg cggaactcat	2280
cgccgcctgc cttgcccgtc gctggacagg ggctcggctg ttgggcactg acaattccgt	2340
ggtgttgctg gggaaatcat cgtcctttcc ttggctgctc gcctgtgttg ccacctggat	2400
tctgcgcggg acgtccttct gctacgtccc ttcggccctc aatccagcgg accttccttc	2460
ccgcggcctg ctgccggctc tgcggcctct tccgcgtctc cgccttcgcc ctcagacgag	2520
tcggatctct ctttgggccg cctccccgcc tggtaccttt aagaccaatg acttacaagg	2580
cagctgtaga tcttagccac tttttaaaag aaaagggggg acctggtacc tttaagacca	2640

Sequence listing (002).TXT

atgacttaca aggcagctgt agatcttagc cacttttttaa aagaaaaggg gggactggaa	2700
gggctaattc actcccaacg aagataagat ctgctttttg cttgtactgg gtctctctgg	2760
ttagaccaga tctgagcctg ggagctctct ggctaactag ggaaccact gcttaagcct	2820
caataaagct tgccttgagt gcttcaagta gtgtgtgccc gtctgttgtg tgactctggt	2880
aactagagat ccctcagacc cttttagtca gtgtggaaaa tctctagca	2929