0198470101PTWO_SL
SEQUENCE LISTING

<110> PIONEER HI-BRED INTERNATIONAL, INC.

<120> CRISPR HYBRID DNA/RNA POLYNUCLEOTIDES AND METHODS OF USE

<130> 019847.0101PTWO

<140>
<141>

<150> 62/108,931
<151> 2015-01-28

<160> 254

<170> PatentIn version 3.5

<210> 1
<211> 121
<212> RNA
<213> Artificial Sequence

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

<400> 1
ggggccacua gggacaggau gucucagagc uaugcugucc uggaaacagg acagcauagc 60

aaguugagau aaggcuaguc cguuaucaac uugaaaaagu ggcaccgagu cggugcuuuu 120

u 121

<210> 2
<211> 73
<212> RNA
<213> Artificial Sequence

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

<400> 2
gcaggacagc auagcaaguu gagauaaggc uaguccguua ucaacuugaa aaaguggcac 60

cgagucggug cuu 73

<210> 3
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 3
gagtccgagc agaagaagaa gtctcagagc tatgctgtcc tg 42

<210> 4
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 4
gggtgggggg agtttgctcc gtctcagagc tatgctgtcc tg 42

<210> 5
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 5
gtttgtgttt ccataaactg gtctcagagc tatgctgtcc tg 42

<210> 6
<211> 42

<212> DNA
<213> Artificial Sequence

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

<400> 6
tctgtgataa cctcagttta gtctcagagc tatgctgtcc tg 42

<210> 7
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 7
ggccactgta gtcctccagg gtctcagagc tatgctgtcc tg 42

<210> 8
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 8
gtcccccagc cggtcagcca gtctcagagc tatgctgtcc tg 42

<210> 9
<211> 42
<212> DNA
<213> Artificial Sequence

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

oligonucleotide"

<400> 9
ggcagccagc atgatgagac gtctcagagc tatgctgtcc tg 42

<210> 10
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 10
gaggagctcc aagaagactg gtctcagagc tatgctgtcc tg 42

<210> 11
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 11
gaguccgagc agaagaagaa gucucagagc uaugcugucc ug 42

<210> 12
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 12
ggguggggggg aguuugcucc gucucagagc uaugcugucc ug 42

<210> 13
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 13
guuuguguuu ccauaaacug gucucagagc uaugcugucc ug 42

<210> 14
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 14
ucugugauaa ccucaguuua gucucagagc uaugcugucc ug 42

<210> 15
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 15
ggccacugua guccuccagg gucucagagc uaugcugucc ug 42

<210> 16
<211> 42
<212> RNA
<213> Artificial Sequence

<220>

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

<400> 16
gucccccagc cggucagcca gucucagagc uaugcugucc ug 42

<210> 17
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 17
ggcagccagc augaugagac gucucagagc uaugcugucc ug 42

<210> 18
<211> 42
<212> RNA
<213> Artificial Sequence

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

<400> 18
gaggagcucc aagaagacug gucucagagc uaugcugucc ug 42

<210> 19
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source

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

<400> 19
gagtccgagc agaagaagaa gucucagagc tatgctgtcc tg 42

<210> 20
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 20
gggtgggggg agttugcucc gucucagagc tatgctgtcc tg 42

<210> 21
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 21
gtttgtgttt ccataaacug gucucagagc tatgctgtcc tg 42

<210> 22
<211> 42
<212> DNA

<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 22
tctgtgataa cctcaguuua gucucagagc tatgctgtcc tg 42

<210> 23
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 23
ggccactgta gtccuccagg gucucagagc tatgctgtcc tg 42

<210> 24
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic

oligonucleotide"

<400> 24
gtcccccagc cggtcagcca gucucagagc tatgctgtcc tg 42

<210> 25
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 25
ggcagccagc atgaugagac gucucagagc tatgctgtcc tg 42

<210> 26
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 26
gaggagctcc aagaagacug gucucagagc tatgctgtcc tg 42

<210> 27
<211> 20
<212> DNA
<213> Homo sapiens

<400> 27
gagtccgagc agaagaagaa 20

<210> 28
<211> 20
<212> DNA
<213> Homo sapiens

<400> 28
gagttagagc agaagaagaa 20

<210> 29
<211> 20
<212> DNA
<213> Homo sapiens

<400> 29
aggtactagc agaagaagaa 20

<210> 30
<211> 20
<212> DNA
<213> Homo sapiens

<400> 30
acgtctgagc agaagaagaa 20

<210> 31
<211> 20
<212> DNA
<213> Homo sapiens

<400> 31
aggtgctagc agaagaagaa 20

<210> 32
<211> 20
<212> DNA
<213> Homo sapiens

<400> 32
gggtgggggg agtttgctcc 20

<210> 33
<211> 20
<212> DNA
<213> Homo sapiens

<400> 33
ggatggaggg agtttgctcc 20

<210> 34
<211> 20
<212> DNA
<213> Homo sapiens

<400> 34
ggggagggga agtttgctcc 20

<210> 35
<211> 20
<212> DNA
<213> Homo sapiens

<400> 35
gggagggtgg agtttgctcc 20

<210> 36
<211> 20
<212> DNA
<213> Homo sapiens

<400> 36
cgggggaggg agtttgctcc 20

<210> 37
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 37
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 38
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 38
ggggccacta gggacaggat gucucagagc tatgctgtcc tg 42

<210> 39
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 39
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 40
<211> 42
<212> DNA
<213> Artificial Sequence

<220>

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 40
ggggccacta gggacaggau gtctcagagc tatgctgtcc tg 42

<210> 41
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 41
ggggccacta gggacaggau gucucagagc tatgctgtcc tg 42

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

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 42

ggggccacua gggacaggau gtctcagagc tatgctgtcc tg 42

<210> 43
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 43
ggggccacta gggacaggat gucucagagc tatgctgtcc tg 42

<210> 44
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 44
ggggccacta gggacaggau gtctcagagc tatgctgtcc tg 42

<210> 45
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<221> source

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 45
ggggccacta gggacaggat gucucagagc tatgctgtcc tg 42

<210> 46
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 46
ggggccacua gggacaggau gtctcagagc tatgctgtcc tg 42

<210> 47
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 47
ggggccacua gggacaggat gucucagagc tatgctgtcc tg 42

<210> 48
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 48
ggggccacua gggacaggat gucucagagc tatgctgtcc tg 42

<210> 49
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 49
ggggccacta gggacaggau gtcucagagc tatgctgtcc tg 42

<210> 50
<211> 42
<212> DNA
<213> Artificial Sequence

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

oligonucleotide"

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 50
ggggccacta gggacaggau guctcagagc tatgctgtcc tg 42

<210> 51
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 51
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 52
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 52
ggggccacta gggacaggau gtctcagagc tatgctgtcc tg 42

<210> 53
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 53
ggggccacta gggacaggat guctcagagc tatgctgtcc tg 42

<210> 54
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 54
ggggccacta gggacaggat gtcucagagc tatgctgtcc tg 42

<210> 55
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 55
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 56
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 56
ggggccacta gggacaggat guctcagagc tatgctgtcc tg 42

<210> 57
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 57
ggggccacta gggacaggat gtcucagagc tatgctgtcc tg 42

<210> 58
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 58
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 59
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 59
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 60
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 60
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 61
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 61
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 62
<211> 42
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 62
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 63
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

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

<400> 63
agtaataata cgactcacta tag 23

<210> 64
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 64
taatacgact cactataggg ggccactagg gacaggatgt tttagagcta gaaatagc 58

<210> 65
<211> 50
<212> DNA
<213> Artificial Sequence

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

<400> 65
gttttagagc tagaaatagc aagttaaaat aaggctagtc cgttatcaac 50

<210> 66
<211> 50
<212> DNA
<213> Artificial Sequence

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

<400> 66
aaaaaaagca ccgactcggt gccacttttt caagttgata acggactagc 50

<210> 67
<211> 23
<212> DNA
<213> Artificial Sequence

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

<400> 67
aaaaaaagca ccgactcggt gcc 23

<210> 68
<211> 43
<212> DNA
<213> Artificial Sequence

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

<400> 68
agtaataata cgactcacta taggggggcca ctagggacag gat 43

<210> 69
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 69
ggggccacta gggacaggat gtctcagagc tatgctgtcc tg 42

<210> 70
<211> 24
<212> DNA
<213> Artificial Sequence

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

<400> 70
caggatgtct cagagctatg ctgt 24

<210> 71
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 71
agtaataata cgactcacta tagcaggaca gcatagcaag ttgagataag gctagtcc 58

<210> 72
<211> 42
<212> DNA
<213> Artificial Sequence

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

<400> 72
gcaggacagc atagcaagtt gagataaggc tagtccgtta tc 42

<210> 73
<211> 50
<212> DNA
<213> Artificial Sequence

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

<400> 73
aagcaccgac tcggtgccac tttttcaagt tgataacgga ctagccttat 50

<210> 74
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 74
aagcaccgac tcggtgccac 20

<210> 75
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 75
ccccgttctc ctgtggattc 20

<210> 76
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 76
atcctctctg gctccatcgt 20

<210> 77
<211> 52

<212> DNA
<213> Artificial Sequence

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

<400> 77
cactctttcc ctacacgacg ctcttccgat ctgtttctca tctgtgcccc tc 52

<210> 78
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 78
ggagttcaga cgtgtgctct tccgatctgt tgcccaccct agtcattg 48

<210> 79
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 79
cactctttcc ctacacgacg ctcttccgat ctccagatgg cacattgtca ga 52

<210> 80
<211> 47
<212> DNA
<213> Artificial Sequence

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

oligonucleotide"

<400> 80
ggagttcaga cgtgtgctct tccgatctcc tagtgactgc cgtctgc 47

<210> 81
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 81
cactctttcc ctacacgacg ctcttccgat ctacatgcac acccatgttt tg 52

<210> 82
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 82
ggagttcaga cgtgtgctct tccgatctaa catttccagg tgacaggc 48

<210> 83
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 83
cactctttcc ctacacgacg ctcttccgat ctacatgcac acccatgttt tg 52

<210> 84
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 84
ggagttcaga cgtgtgctct tccgatctaa catttccagg tgacaggc 48

<210> 85
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 85
cactctttcc ctacacgacg ctcttccgat ctacatgaaa ttcaaggccg aa 52

<210> 86
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 86
ggagttcaga cgtgtgctct tccgatctac ctgtctgtga ggtggagg 48

<210> 87
<211> 52
<212> DNA
<213> Artificial Sequence

<220>

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

<400> 87
cactctttcc ctacacgacg ctcttccgat ctgctggtgg attatgggaa tg 52

<210> 88
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 88
ggagttcaga cgtgtgctct tccgatctag aagacctcat ccttgggg 48

<210> 89
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 89
cactctttcc ctacacgacg ctcttccgat ctaagaaagg caagaagcct gg 52

<210> 90
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 90
ggagttcaga cgtgtgctct tccgatctgc tggcctgaga cattccta 48

<210> 91
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 91
cactctttcc ctacacgacg ctcttccgat cttgtgtact ctccactgcc ca 52

<210> 92
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 92
ggagttcaga cgtgtgctct tccgatcttc agaacactcc cttttgcc 48

<210> 93
<211> 52
<212> DNA
<213> Artificial Sequence

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

<400> 93
cactctttcc ctacacgacg ctcttccgat cttctggcaa ggagagagat gg 52

<210> 94
<211> 48
<212> DNA
<213> Artificial Sequence

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

<400> 94
ggagttcaga cgtgtgctct tccgatctta tattcccagg gccggtta 48

<210> 95
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 95
caagcagaag acggcatacg agattacgtg atgtgactgg agttcagacg tgtgctc 57

<210> 96
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 96
caagcagaag acggcatacg agatattgcc gagtgactgg agttcagacg tgtgctc 57

<210> 97
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 97
caagcagaag acggcatacg agatattggt cagtgactgg agttcagacg tgtgctc 57

<210> 98
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 98
caagcagaag acggcatacg agattaaaaa tggtgactgg agttcagacg tgtgctc 57

<210> 99
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 99
caagcagaag acggcatacg agatatcact gtgtgactgg agttcagacg tgtgctc 57

<210> 100
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 100
caagcagaag acggcatacg agattatttc acgtgactgg agttcagacg tgtgctc 57

<210> 101
<211> 58

<212> DNA
<213> Artificial Sequence

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

<400> 101
aatgatacgg cgaccaccga gatctacacc gtctaataca ctctttccct acacgacg 58

<210> 102
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 102
aatgatacgg cgaccaccga gatctacact ctctccgaca ctctttccct acacgacg 58

<210> 103
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 103
aatgatacgg cgaccaccga gatctacact cgactagaca ctctttccct acacgacg 58

<210> 104
<211> 58
<212> DNA
<213> Artificial Sequence

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

oligonucleotide"

<400> 104
aatgatacgg cgaccaccga gatctacact tctagctaca ctctttccct acacgacg 58

<210> 105
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 105
aatgatacgg cgaccaccga gatctacacc ctagagtaca ctctttccct acacgacg 58

<210> 106
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 106
aatgatacgg cgaccaccga gatctacacc tattaagaca ctctttccct acacgacg 58

<210> 107
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 107
aaaaccaccc ttctctctgg c 21

<210> 108
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 108
ggagattgga gacacggaga g 21

<210> 109
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 109
aaaggtgcct tttgtgggga 20

<210> 110
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 110
acaatgggaa ggacagcttc t 21

<210> 111
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

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

<400> 111
tctccgaact tctgctgagc 20

<210> 112
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 112
tgactagcaa agcaggaggc 20

<210> 113
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 113
aagtccttcc catcgctgtg 20

<210> 114
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 114
gggaatggga atgtgaggca 20

<210> 115
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 115
gagtccctgc tctcctctga 20

<210> 116
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 116
agggaatacc aaaacggcgt 20

<210> 117
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 117
gtcagaggga cacactgtgg 20

<210> 118
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 118
aggagggagc aggaaagtga 20

<210> 119
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 119
ctcctgctcc atgtgaccac 20

<210> 120
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 120
gtagtggcac agtcacagct 20

<210> 121
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 121
gagttgcaga ctggagctgt 20

<210> 122
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 122
ttggaggcaa ggcatctctg 20

<210> 123
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 123
aggactcctg ctgagaggag 20

<210> 124
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 124
ggagaactaa agggcgtgct 20

<210> 125
<211> 20

<212> DNA
<213> Artificial Sequence

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

<400> 125
accaccacat gttctgggtg 20

<210> 126
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 126
gcttcctctt ccaggctctg 20

<210> 127
<211> 97
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 127
ggggccacta gggacaggau guuuuagagc uagaaauagc aaguuaaaau aaggcuaguc 60

cguuaucaac uugaaaaagu ggcaccgagu cggugcu 97

<210> 128

<211> 97
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 128
ggggccacta gggacaggau guuuuagagc uagaaauagc aaguuaaaau aaggcuaguc 60

cguuaucaac uugaaaaagu ggcaccgagu cggugcu 97

<210> 129
<211> 103
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 129
ggggccacta gggacaggau guuuuagagc tgctgaaaag cauagcaagu uaaaauaagg 60

cuaguccguu aucaacuuga aaaaguggca ccgagucggu gcu 103

<210> 130
<211> 105
<212> DNA
<213> Artificial Sequence

<220>
<221> source

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 130
ggggccacta gggacaggau guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gugcu 105

<210> 131
<211> 105
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 131
ggggccacta gggacaggau guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gtgcu 105

<210> 132
<211> 105
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic

polynucleotide"

<400> 132
ggggccacta gggacaggau guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gtgcu 105

<210> 133
<211> 36
<212> DNA
<213> Artificial Sequence

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

<400> 133
tacttccaat ccaatgcacc ccgttctcct gtggat 36

<210> 134
<211> 40
<212> DNA
<213> Artificial Sequence

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

<400> 134
ttatccactt ccaatgttat tactccctcc caggatcctc 40

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

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

<220>
<221> source

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

<400> 135
gccactaggg acaggatguc ucagagctat gctgtcctg 39

<210> 136
<211> 39
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 136
gccactaggg acaggauguc ucagagctat gctgtcctg 39

<210> 137
<211> 39
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 137
gccactaggg acaggatguc ucagagctat gctgtcctg 39

<210> 138
<211> 56
<212> DNA

<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 138
nnnnnnnnnn nnnnnnnnnn guuuuaguac tctgtaattt taggtatgag gtagac 56

<210> 139
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 139
nnnnnnnnnn nnnnnnnnnn guuuuaguac tctgtaattt taggtatgag gtagac 56

<210> 140
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 140
nnnnnnnnnn nnnnnnnnnn guuuuaguac ucugtaattt taggtatgag gtagac 56

<210> 141
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (1)..(2)

<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (3)..(4)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (5)..(14)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (15)..(17)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (18)..(18)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (19)..(19)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<400> 141
nnnnnnnnnn nnnnnnnnnn guuuuagtac tctgtaattt taggtatgag gtagac 56

<210> 142
<211> 85
<212> RNA
<213> Artificial Sequence

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

<400> 142
auuguacuua uaccuaaaau uacagaaucu acuaaaacaa ggcaaaaugc cguguuuauc 60

ucgucaacuu guuggcgaga uuuuu 85

<210> 143
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 143
nnnnnnnnnn nnnnnnnnnn guuuuaguac tctggaaaca gaaucuacua aaaacaaggc 60

caaaaugccg guguuuaucu ucgucaacuu uguuggcgag gauuuu 106

<210> 144
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source

<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 144
nnnnnnnnnn nnnnnnnnnn guuuuaguac tctggaaaca gaaucuacua aaaacaaggc 60

caaaaugccg guguuuaucu ucgucaacuu uguuggcgag gauuuu 106

<210> 145
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 145
nnnnnnnnnn nnnnnnnnnn guuuuaguac ucuggaaaca gaaucuacua aaaacaaggc 60

caaaaugccg guguuuaucu ucgucaacuu uguuggcgag gauuuu 106

<210> 146
<211> 106
<212> DNA
<213> Artificial Sequence

<220>

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(2)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (3)..(4)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (5)..(14)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (15)..(17)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (18)..(18)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (19)..(19)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<400> 146
nnnnnnnnnn nnnnnnnnnn guuuuagtac tctggaaaca gaaucuacua aaaacaaggc 60

caaaaugccg guguuuaucu ucgucaacuu uguuggcgag gauuuu 106

<210> 147
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 147
nnnnnnnnnn nnnnnnnnnn guuuuuguac tctcaagatt taagtaactg tacaac 56

<210> 148
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 148
nnnnnnnnnn nnnnnnnnnn guuuuugtac tctcaagatt taagtaactg tacaac 56

<210> 149
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 149
nnnnnnnnnn nnnnnnnnnn guuuuuguac uctcaagatt taagtaactg tacaac 56

<210> 150
<211> 89
<212> RNA
<213> Artificial Sequence

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

<400> 150
cuuacacagu uacuuaaauc uugcagaagc uacaaagaua aggcuucaug ccgaaaucaa 60

cacccuguca uuuuauggca ggguguuuu 89

<210> 151
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 151
nnnnnnnnnn nnnnnnnnnn guuuuuguac tcgaaagaag cuacaaagau uaaggcuuca 60

augccgaaau ucaacacccu ugucauuuua auggcagggu uguuuu 106

<210> 152
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic

polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 152
nnnnnnnnnn nnnnnnnnnn guuuuuguac tcgaaagaag cuacaaagau uaaggcuuca 60

augccgaaau ucaacacccu ugucauuuua auggcagggu uguuuu 106

<210> 153
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 153
nnnnnnnnnn nnnnnnnnnn guuuuuguac ucgaaagaag cuacaaagau uaaggcuuca 60

augccgaaau ucaacacccu ugucauuuua auggcagggu uguuuu 106

<210> 154
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<221> source

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 154
nnnnnnnnnn nnnnnnnnnn guuguagcuc ccattctcat ttcgcagtgc tacaat 56

<210> 155
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 155
nnnnnnnnnn nnnnnnnnnn guuguagctc ccattctcat ttcgcagtgc tacaat 56

<210> 156
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 156
nnnnnnnnnn nnnnnnnnnn guuguagcuc ccattctcat ttcgcagtgc tacaat 56

<210> 157
<211> 119
<212> RNA
<213> Artificial Sequence

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

<400> 157
auugucgcac ugcgaaauga gaaccguugc uacaauaagg ccgucugaaa agaugugccg 60

caacgcucug ccccuuaaag cuucugcuuu aaggggcauc guuuauuucg guuaaaaau 119

<210> 158
<211> 110
<212> DNA
<213> Artificial Sequence

<220>
<221> source

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 158
nnnnnnnnnn nnnnnnnnnn guuguagcuc ccattctcga aagagaaccg guugcuacaa 60

auaaggccgu ucugaaaaga augugccgca aacgcucugc ccccuuaaag 110

<210> 159
<211> 110
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 159
nnnnnnnnnn nnnnnnnnnn guuguagcuc ccattctcga aagagaaccg guugcuacaa 60

auaaggccgu ucugaaaaga augugccgca aacgcucugc ccccuuaaag 110

<210> 160
<211> 110
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 160
nnnnnnnnnn nnnnnnnnnn guuguagcuc ccattctcga aagagaaccg guugcuacaa 60

auaaggccgu ucugaaaaga augugccgca aacgcucugc ccccuuaaag 110

<210> 161
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>

<221> modified_base
<222> (1)..(14)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (15)..(20)
<223> a, c, u, g, unknown or other

<400> 161
nnnnnnnnnn nnnnnnnnnn guuuuuguac tctcaagatt taagtaaccg taaaac 56

<210> 162
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 162
nnnnnnnnnn nnnnnnnnnn guuuuugtac tctcaagatt taagtaaccg taaaac 56

<210> 163
<211> 56
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 163
nnnnnnnnnn nnnnnnnnnn guuuuuguac ucucaagatt taagtaaccg taaaac 56

<210> 164
<211> 90
<212> RNA
<213> Artificial Sequence

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

<400> 164
cuugcacggu uacuuaaauc uugcugagcc uacaaagaua aggcuuuaug ccgaauucaa 60

gcaccccaug uuuugacaug aggugcuuuu 90

<210> 165
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<220>

<221> modified_base
<222> (1)..(15)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (16)..(20)
<223> a, c, u, g, unknown or other

<400> 165
nnnnnnnnnn nnnnnnnnnn guuuuuguac tcgaaagagc cuacaaagau uaaggcuuua 60

augccgaauu ucaagcaccc ccauguuuug gacaugaggu ugcuuu 106

<210> 166
<211> 106
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 166
nnnnnnnnnn nnnnnnnnnn guuuuuguac tcgaaagagc cuacaaagau uaaggcuuua 60

augccgaauu ucaagcaccc ccauguuuug gacaugaggu ugcuuu 106

<210> 167
<211> 106
<212> DNA
<213> Artificial Sequence

<220>

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(20)
<223> a, c, t, g, unknown or other

<400> 167
nnnnnnnnnn nnnnnnnnnn guuuuuguac tcgaaagagc cuacaaagau uaaggcuuua 60

augccgaauu ucaagcaccc ccauguuuug gacaugaggu ugcuuu 106

<210> 168
<211> 11
<212> RNA
<213> Artificial Sequence

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

<400> 168
aauuucuacu g 11

<210> 169
<211> 11
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic

oligonucleotide"

<400> 169
aauutctacu g 11

<210> 170
<211> 11
<212> RNA
<213> Artificial Sequence

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

<400> 170
aauuucuacu g 11

<210> 171
<211> 11
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<400> 171
aauutctacu g 11

<210> 172
<211> 33
<212> RNA
<213> Artificial Sequence

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

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, u, g, unknown or other

<400> 172
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 173
<211> 33
<212> RNA
<213> Artificial Sequence

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

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, u, g, unknown or other

<400> 173
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 174
<211> 28
<212> RNA
<213> Artificial Sequence

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

<220>
<221> modified_base
<222> (9)..(28)
<223> a, c, u, g, unknown or other

<400> 174

uuguagaunn nnnnnnnnnn nnnnnnnn 28

<210> 175
<211> 28
<212> RNA
<213> Artificial Sequence

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

<220>
<221> modified_base
<222> (9)..(28)
<223> a, c, u, g, unknown or other

<400> 175
uuguagaunn nnnnnnnnnn nnnnnnnn 28

<210> 176
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, t, g, unknown or other

<400> 176
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 177
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(10)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (11)..(33)
<223> a, c, t, g, unknown or other

<400> 177
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 178
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base

<222> (9)..(13)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (14)..(33)
<223> a, c, t, g, unknown or other

<400> 178
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 179
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(18)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (19)..(33)
<223> a, c, t, g, unknown or other

<400> 179
uuguagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 180
<211> 33
<212> DNA
<213> Artificial Sequence

<220>

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, u, g, unknown or other

<400> 180
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 181
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, u, g, unknown or other

<400> 181
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 182
<211> 28
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(28)
<223> a, c, u, g, unknown or other

<400> 182
uugtagaunn nnnnnnnnnn nnnnnnnn 28

<210> 183
<211> 28
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(28)
<223> a, c, u, g, unknown or other

<400> 183
uuguagaunn nnnnnnnnnn nnnnnnnn 28

<210> 184
<211> 33

<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(33)
<223> a, c, t, g, unknown or other

<400> 184
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 185
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(10)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (11)..(33)
<223> a, c, t, g, unknown or other

<400> 185
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 186
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (9)..(13)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (14)..(33)
<223> a, c, t, g, unknown or other

<400> 186
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 187
<211> 33
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic

oligonucleotide"

<220>
<221> modified_base
<222> (9)..(18)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (19)..(33)
<223> a, c, t, g, unknown or other

<400> 187
uugtagaunn nnnnnnnnnn nnnnnnnnnn nnn 33

<210> 188
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, u, g, unknown or other

<400> 188
aauuucuacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 189
<211> 44
<212> DNA
<213> Artificial Sequence

<220>

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, u, g, unknown or other

<400> 189
aauutctacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 190
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, u, g, unknown or other

<400> 190
aauutctacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 191
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, t, g, unknown or other

<400> 191
aauuucuacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 192
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, t, g, unknown or other

<400> 192
aauutctacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 193
<211> 44

<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (22)..(44)
<223> a, c, t, g, unknown or other

<400> 193
aauutctacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 194
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(24)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (25)..(44)
<223> a, c, t, g, unknown or other

<400> 194
aauutctacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 195
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(29)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (30)..(44)
<223> a, c, t, g, unknown or other

<400> 195
aauutctacu guuguagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 196
<211> 44
<212> DNA
<213> Artificial Sequence

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

oligonucleotide"

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, t, g, unknown or other

<400> 196
aauuucuacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 197
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (22)..(44)
<223> a, c, t, g, unknown or other

<400> 197
aauuucuacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 198

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

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(24)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (25)..(44)
<223> a, c, t, g, unknown or other

<400> 198
aauuucuacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 199
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(29)

<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (30)..(44)
<223> a, c, t, g, unknown or other

<400> 199
aauuucuacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 200
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(44)
<223> a, c, t, g, unknown or other

<400> 200
aauutctacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 201
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source

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

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (22)..(44)
<223> a, c, t, g, unknown or other

<400> 201
aauutctacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 202
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(24)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (25)..(44)
<223> a, c, t, g, unknown or other

<400> 202
aauutctacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 203
<211> 44
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(29)
<223> a, c, u, g, unknown or other

<220>
<221> modified_base
<222> (30)..(44)
<223> a, c, t, g, unknown or other

<400> 203
aauutctacu guugtagaun nnnnnnnnnn nnnnnnnnnn nnnn 44

<210> 204
<211> 97
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 204
tacgcgtacg cgtacgugug guuuuagagc uagaaauagc aaguuaaaau aaggcuaguc 60

cguuaucaac uugaaaaagu ggcaccgagu cggugcu 97

<210> 205
<211> 105
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<400> 205
tacgcgtacg cgtacgugug guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gugcu 105

<210> 206
<211> 105
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic polynucleotide"

<400> 206
tacgcgtacg cgtacgugug guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gtgcu 105

<210> 207
<211> 98
<212> RNA

<213> Artificial Sequence

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

<400> 207
ggcguacgcg uacguguggu uuuagagcua gaaauagcaa guuaaaauaa ggcuaguccg 60

uuaucaacuu gaaaaagugg caccgagucg gugcuuuu 98

<210> 208
<211> 60
<212> DNA
<213> Artificial Sequence

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

<400> 208
ctacactctt tccctacacg acgctcttcc gatctaaggc gcaaatgagt agcagcgcac 60

<210> 209
<211> 57
<212> DNA
<213> Artificial Sequence

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

<400> 209
caagcagaag acggcatacg agctcttccg atctcacctg ctgggaattg taccgta 57

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

<220>
<221> source

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

<400> 210
ctacactctt tccctacacg acgctcttcc gatctggaac gcaaatgagt agcagcgcac 60

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

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

<400> 211
ctacactctt tccctacacg acgctcttcc gatctccttc gcaaatgagt agcagcgcac 60

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

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

<400> 212
ctacactctt tccctacacg acgctcttcc gatctgaagc gcaaatgagt agcagcgcac 60

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

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

<400> 213
ctacactctt tccctacacg acgctcttcc gatctaggac gcaaatgagt agcagcgcac 60

<210> 214
<211> 43
<212> DNA
<213> Artificial Sequence

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

<400> 214
aatgatacgg cgaccaccga gatctacact ctttccctac acg 43

<210> 215
<211> 18
<212> DNA
<213> Artificial Sequence

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

<400> 215
caagcagaag acggcata 18

<210> 216
<211> 56
<212> DNA
<213> Zea mays

<400> 216
cagcgcacgt atatatacgc gtacgcgtac gtgtgaggta tatatatcct ccgccg 56

<210> 217
<211> 55
<212> DNA
<213> Zea mays

<400> 217
cagcgcacgt atatatacgc gtacgcgtac gttgaggtat atatatcctc cgccg 55

<210> 218

<211> 57
<212> DNA
<213> Zea mays

<400> 218
cagcgcacgt atatatacgc gtacgcgtac gttgtgaggt atatatatcc tccgccg 57

<210> 219
<211> 55
<212> DNA
<213> Zea mays

<400> 219
cagcgcacgt atatatacgc gtacgcgtac ggtgaggtat atatatcctc cgccg 55

<210> 220
<211> 27
<212> DNA
<213> Zea mays

<400> 220
cagcgcacgt atatatatcc tccgccg 27

<210> 221
<211> 55
<212> DNA
<213> Zea mays

<400> 221
cagcgcacgt atatatacgc gtacgcgtac gttgaggtat atatatcctc cgccg 55

<210> 222
<211> 52
<212> DNA
<213> Zea mays

<400> 222
cagcgcacgt atatatacgc gtacgcgtat gaggtatata tatcctccgc cg 52

<210> 223
<211> 55
<212> DNA
<213> Zea mays

<400> 223
cagcgcacgt atatatacgc gtacgcgtac gttgaggtat atatatcctc cgccg 55

<210> 224
<211> 97
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
oligonucleotide"

<400> 224
ggccgaggtc gactaccggc guuuuagagc uagaaauagc aaguuaaaau aaggcuaguc 60

cguuaucaac uugaaaaagu ggcaccgagu cggugcu 97

<210> 225
<211> 105
<212> DNA
<213> Artificial Sequence

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 225
ggccgaggtc gactaccggc guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gugcu 105

<210> 226

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

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

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule: Synthetic
polynucleotide"

<400> 226
ggccgaggtc gactaccggc guuuuagagc tatgctgaaa agcatagcaa guuaaaauaa 60

ggcuaguccg uuaucaacuu gaaaaagugg caccgagucg gtgcu 105

<210> 227
<211> 124
<212> RNA
<213> Artificial Sequence

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

<400> 227
gggccgaggu cgacuaccgg cguuuuagag cuaugcuguu uuggaaacaa aacagcauag 60

caaguuaaaa uaaggcuagu ccguuaucaa cuugaaaaag uggcaccgag ucggugcuuu 120

uuuu 124

<210> 228
<211> 54
<212> DNA
<213> Artificial Sequence

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

<400> 228
caagcagaag acggcatacg agctcttccg atctgccggc tggcattgtc tctg 54

<210> 229
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 229
ctacactctt tccctacacg acgctcttcc gatctttccg gacccgttcg gcctcagt 58

<210> 230
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 230
ctacactctt tccctacacg acgctcttcc gatctggaag gacccgttcg gcctcagt 58

<210> 231
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 231
ctacactctt tccctacacg acgctcttcc gatctccttg gacccgttcg gcctcagt 58

<210> 232
<211> 58

<212> DNA
<213> Artificial Sequence

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

<400> 232
ctacactctt tccctacacg acgctcttcc gatcttcctg gacccgttcg gcctcagt 58

<210> 233
<211> 58
<212> DNA
<213> Artificial Sequence

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

<400> 233
ctacactctt tccctacacg acgctcttcc gatctaaggg gacccgttcg gcctcagt 58

<210> 234
<211> 39
<212> DNA
<213> Zea mays

<400> 234
agtccgctgg ccgaggtcga ctaccggccg gtgaagcac 39

<210> 235
<211> 40
<212> DNA
<213> Zea mays

<400> 235
agtccgctgg ccgaggtcga ctaccaggcc ggtgaagcac 40

<210> 236
<211> 40
<212> DNA
<213> Zea mays

<400> 236
agtccgctgg ccgaggtcga cttgccggcc ggtgaagcac 40

<210> 237
<211> 22
<212> DNA
<213> Zea mays

<400> 237
agtccgctgg ccggtgaagc ac 22

<210> 238
<211> 37
<212> DNA
<213> Zea mays

<400> 238
agtccgctgg ccgaggtcga ccaggccggt gaagcac 37

<210> 239
<211> 40
<212> DNA
<213> Zea mays

<400> 239
agtccgctgg ccgaggtcga ctacctggcc ggtgaagcac 40

<210> 240
<211> 18
<212> DNA
<213> Zea mays

<400> 240
agtccgccag tgaagcac 18

<210> 241
<211> 38
<212> DNA
<213> Zea mays

<400> 241
agtccgctgg ccgaggtcga ctacggccgg tgaagcac 38

<210> 242
<211> 40
<212> DNA
<213> Zea mays

<400> 242
agtccgctgg ccgaggtcga ctacccggcc ggtgaagcac 40

<210> 243
<211> 40
<212> DNA
<213> Zea mays

<400> 243
agtccgctgg ccgaggtcga ctaccaggcc ggtgaagcac 40

<210> 244
<211> 22
<212> DNA
<213> Zea mays

<400> 244
agtccgctgg ccggtgaagc ac 22

<210> 245
<211> 38
<212> DNA
<213> Zea mays

<400> 245
agtccgctgg ccgaggtcga ctacggccgg tgaagcac 38

<210> 246
<211> 37
<212> DNA
<213> Zea mays

<400> 246
agtccgctgg ccgaggtcga cttggccggt gaagcac 37

<210> 247

<211> 40
<212> DNA
<213> Zea mays

<400> 247
agtccgctgg ccgaggtcga ctaccaggcc ggtgaagcac 40

<210> 248
<211> 38
<212> DNA
<213> Zea mays

<400> 248
agtccgctgg ccgaggtcga ctacggccgg tgaagcac 38

<210> 249
<211> 40
<212> DNA
<213> Zea mays

<400> 249
agtccgctgg ccgaggtcga ctacctggcc ggtgaagcac 40

<210> 250
<211> 40
<212> DNA
<213> Zea mays

<400> 250
agtccgctgg ccgaggtcga ctacccggcc ggtgaagcac 40

<210> 251
<211> 28
<212> DNA
<213> Zea mays

<400> 251
agtccgctgg tcaaggccgg cgaagcac 28

<210> 252
<211> 22
<212> DNA
<213> Zea mays

<400> 252
agtccgctgg ccggtgaagc ac 22

<210> 253
<211> 37
<212> DNA
<213> Zea mays

<400> 253
agtccgctgg ccgaggtcga ctaagccggt gaagcac 37

<210> 254
<211> 24
<212> DNA
<213> Zea mays

<400> 254
agtccgctgg ccgaggtgaa gcac 24