

SEQUENCE LISTING

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<150> 62/419,881

<151> 2016-11-09

<150> 62/411,338

<151> 2016-10-21

<150> 62/393,948

<151> 2016-09-13

<150> 62/382,191

<151> 2016-08-31

<150> 62/378,134

<151> 2016-08-22

<160> 44

<170> PatentIn version 3.5

<210> 1

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<222> (51)..(52)

<223> Thymidine-succinyl hexamide CED phosphoramidite

<400> 1

agacaatcaa ccatttgggg tggacagcct tgacctctag acttcggcat tttttttttt 60

tt 62

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<211> 112

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<222> (101)..(102)

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cgggatacctt atcgatcatcg tcgtacagat cccgacccat ttgctgtcca ccagtcacgc 60
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<210> 4
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<400> 4
cgggatacctt atcgatcatcg 20

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ataactcaat ttgtaaaaaa gtttttagagc tatgctgttt tg 42

<210> 6
<211> 86
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agtggcaccg agtcggtgct tttttt 86

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 <213> Streptococcus thermophilus

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 <210> 8
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 <213> Streptococcus mutans

 <400> 8
 tacacaactt gaaaaagtgc gcaccgattc ggtgctttt 39

 <210> 9
 <211> 40
 <212> DNA
 <213> Listeria innocua

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 ttatcaactt ttaattaagt agcgctgttt cggcgctttt 40

 <210> 10
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 <213> Mycoplasma mobile

 <400> 10
 tatgccgtaa ctactactta ttttcaaaat aagtagtttt 40

 <210> 11
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 <213> Campylobacter jejuni

 <400> 11
 gactctgcgg gggtacaatc ccctaaaacc gctttt 36

 <210> 12
 <211> 117
 <212> DNA
 <213> Artificial Sequence

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

 <400> 12
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 ttaaaataag gctagtccgt tatcaacttg aaaaagtggc accgagtcgg tgctttt 117

 <210> 13
 <211> 17
 <212> DNA
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 13
taatacgact cactata 17

<210> 14
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oligonucleotide

<400> 14
ggatgcgcgc agttgtcc 18

<210> 15
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oligonucleotide

<400> 15
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ggcaccgagt cgggtgctttt 80

<210> 16
<211> 121
<212> DNA
<213> Artificial Sequence

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

<400> 16
gagctaatac gactcactat aggggatgcg cgcagttgtc cgtttttagag ctagaaatag 60
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<210> 17
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<212> DNA
<213> Artificial Sequence

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

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gcaagttaaa ataaggctag tccgttatca acttgaaaaa gtggcaccga gtcggtgctt	120
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<210> 21	
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gcaag	65
<210> 22	
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 22

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caagtt 66

<210> 23

<211> 75

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 23

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caagttaaaa taagg 75

<210> 24

<211> 14

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 24

aaaagcaccg actc 14

<210> 25

<211> 15

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 25

aaaagcaccg actcg 15

<210> 26

<211> 16

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 26

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<210> 27	
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<223> Description of Artificial Sequence: Synthetic oligonucleotide	
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gagctaatac gactcactat agg	23
<210> 30	
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<223> Description of Artificial Sequence: Synthetic oligonucleotide	
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gcgagctaata acgactcact atagg	25
<210> 31	
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<400> 31	

cgagctaata cgactcacta taggggcaca acgtggagga tggcagcgtg cagctggctg 60
atcactacca gcaaaacact ccaatcgggtg atggtcctgt tgcaccgagt cggtgctttt 120

<210> 32
<211> 71
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32
cgagctaata cgactcacta taggggcaca acgtggagga tggcagcgtg cagctggctg 60
atcactacca g 71

<210> 33
<211> 69
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 33
aaagcaccga ctcggtgcaa caggaccatc accgattgga gtgttttgct ggtagtgatc 60
agccagctg 69

<210> 34
<211> 130
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polynucleotide

<220>
<221> modified base
<222> (25)..(42)
<223> a, c, t, g, unknown or other

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aaagcatagc aagttaaaat aaggctagtc cgttatcaac ttgaaaaagt ggcaccgagt 120
cggtgctttt 130

<210> 35
<211> 720
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polynucleotide

<400> 35
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aaactgacgc tgaagttcat ctgtactact ggtaaactgc cggtagccttg gccgactctg 180
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<210> 36

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36
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aaagcatagc 70

<210> 37

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37
cgagctaata cgactcacta taggcattga ctttaaagaa gagttttaga gctatgctga 60
aaagcatagc 70

<210> 38

<211> 70

<212> DNA

<213> Artificial Sequence

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

<400> 38
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 aaagcatagc 70

<210> 39
 <211> 88
 <212> DNA
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<220>
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 oligonucleotide

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 gctatgcttt tcagcatagc tctaaaac 88

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 <222> (1)..(20)
 <223> a, c, u, g, unknown or other

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 cguaaucaac uugaaaaagu ggcaccgagu cggugcuuuu uuu 103

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

<220>
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 oligonucleotide

<400> 41
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 gcaagttaaa ataagg 76

<210> 42
 <211> 30
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 42

taaggctagt ccgttatcaa cttgaaaaag

30

<210> 43

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 43

ctagtccgtt atcaacttga aaaagtg

27

<210> 44

<211> 122

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 44

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60

gcaagttaaa ataaggctag tccgttatca acttgaaaaa gtggcaccga gtcggtgctt

120

tt

122