Sequence Listing

<110> Alnylam Pharmaceuticals, Inc.

<120> COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF Eg5 GENE

<130> SP9757A

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<151> 2006-03-31

<150> US 60/870,259
<151> 2006-12-15

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<220>
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<210> 35
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<220>
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<400> 35
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<210> 36
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<400> 36
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<210> 37
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<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

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<210> 38
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<400> 38
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<210> 39
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<220>
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<210> 41
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<400> 41
auugauguuu accgaagugt t 21

<210> 42
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<210> 43
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<212> DNA
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<223> /mod_base = "5'-thio thymidine"

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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 43
cuaaacuaac uagaauccut t 21

<210> 44
<211> 21
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<220>
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<400> 44
aggauucuag uuaguuuagt t 21

<210> 45
<211> 21
<212> DNA
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<220>
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accgaagugu uguuugucct t 21

<210> 46
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<220>
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<210> 47
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<400> 47
uggugggugag augcagacct t 21

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<211> 21
<212> DNA
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<220>
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<220>
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<220>
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ggucugcauc ucaccaccat t 21

<210> 49
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 49
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<210> 50
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<220>
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<400> 50
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<210> 51
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 51
agcgcccauu caauaguagt t 21

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<400> 52
cuacuauuga augggcgcut t 21

<210> 53
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<400> 53
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<210> 54
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<220>
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<400> 54
gaaugggcgc uagcuuucct t 21

<210> 55
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<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 55
gaaagcuagc gcccauucat t 21

<210> 56
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<220>
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<220>
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<400> 56
ugaaugggcg cuagcuuuct t 21

<210> 57
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<400> 57
agaaacuacg auugauggat t 21

<210> 58
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<400> 58
uccaucaauc guaguuucut t 21

<210> 59
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<220>
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<400> 59
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<210> 60
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<400> 60
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<210> 61
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 61
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<210> 62
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 62
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<210> 63
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 3, 7, 11, 12, 14, 15, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 63
gcgcccauuc aauaguagat t 21

<210> 64
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 64
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<210> 65
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<220>
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<222> 3, 5, 8, 14, 16, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 65
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<210> 66
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<400> 66
auacgcaaag auagugcaat t 21

<210> 67
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<210> 68

<211> 21
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<220>
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<220>
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<220>
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<220>
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<220>
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<400> 68
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<210> 69
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<220>
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<220>
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<220>
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<210> 70
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<220>
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<220>
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<400> 70
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<210> 71
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<220>
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<400> 71
auucucuugg agggcguact t 21

<210> 72
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<220>
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<400> 72
guacgcccuc caagagaaut t 21

<210> 73
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<220>
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<220>
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<220>
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<220>
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<400> 73
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<210> 74
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<400> 74
acguggaauu auaccagcct t 21

<210> 75
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 3, 4, 5, 6, 7, 8, 11, 12, 14, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 75
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<210> 76
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<220>
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<222> 21
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<220>
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<400> 76
augggcgcua gcuuuccgct t 21

<210> 77
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 77
ugcacuaucu uugcguaugt t 21

<210> 78
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<212> DNA
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<220>
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<220>
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<400> 78
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<210> 79
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 79
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<210> 80
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<223> /mod_base = "2'-O-methyl corresponding base"

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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 80
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<210> 81
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<212> DNA
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<220>
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<220>
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<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 8, 9, 10, 13, 14, 17, 18, 19
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<400> 81
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<210> 82
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<400> 82
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<210> 83
<211> 21
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<400> 83
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<210> 84
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<400> 84
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<210> 85
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<223> /mod_base = "5'-thio thymidine"

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<400> 85
gaaguacaua agaccuuaut t 21

<210> 86
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<400> 86
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<210> 87
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<223> /mod_base = "5'-thio thymidine"

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<400> 87
gacaguggcc gauaagauat t 21

<210> 88
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<400> 88
uaucuuaucg gccacuguct t 21

<210> 89
<211> 21
<212> DNA
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<220>
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<400> 89
aaaccacuua guagugucct t 21

<210> 90
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<400> 90
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<210> 91
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<400> 91
ucccuagacu ucccuauuut t 21

<210> 92
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<400> 92
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 93
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<210> 94
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<220>
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<220>
<221> modified_base

<222> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19
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<400> 94
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<210> 95
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<400> 95
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<210> 96
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<400> 96
acgaauuugg cugcgacgct t 21

<210> 97
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<400> 97
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<210> 98
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<220>
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<400> 98
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<210> 99
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<400> 99
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<400> 100
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acuauugaau gggcgcuagt t 21

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guacccuuca ucaaauuuut t 21

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<400> 178
aaaauuugau gaaggguact t 21

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<400> 251
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<220>
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<400> 261
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<220>
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<210> 269
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<210> 273

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agaccauuua auuuggcagt t 21

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<210> 275
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<222> 21
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<400> 276
auuauagccc auaauaacut t 21

<210> 277
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<400> 277
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ccgcucugcc aaauuaaaut t 21

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<400> 281
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ugagaugcag accauuuaat t 21

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<400> 291
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<400> 294
agauagugca auuauagcct t 21

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<400> 298
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<220>
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cgcccauuca auaguagaat t 21

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ccuuauuugg uaaucugcut t 21

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<223> /mod_base = "5'-thio thymidine"

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<400> 311
agagacaauu ccggaugugt t 21

<210> 312
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<400> 312
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ugacuuugau agcuaaauut t 21

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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 321
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<210> 322
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<210> 324
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<400> 325
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<220>
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<400> 330
ucuuauguac uucuagcaut t 21

<210> 331
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<400> 331
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<210> 332
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<400> 332
aauaaggucu uauguacuut t 21

<210> 333
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<400> 333
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<210> 334
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<210> 345
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<400> 346
guguugguca acugccuuct t 21

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<400> 350
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agaaaccacu uaguagugut t 21

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<400> 374

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ucucuguuac aauacauaut t 21

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<400> 680
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<400> 685
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<400> 738
ccauggauuu acugagggct t 21

<210> 739
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<220>
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<220>
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<220>
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<220>
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<220>
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<220>
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<400> 741
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<210> 742
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<220>
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<220>
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<220>
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<220>
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<400> 743
gaccgucaug gcgucgcagt t 21

<210> 744

<211> 21
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<400> 744
cugcgacgcc augacgguct t 21

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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<210> 746
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<222> 21
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<400> 747
gaacguuuaa aacgagauct t 21

<210> 748
<211> 21
<212> DNA
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<220>
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<220>
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<400> 748
gaucucguuu uaaacguuct t 21

<210> 749
<211> 21
<212> DNA
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 749
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<210> 750
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<400> 751
acuaaauuga ucucguagat t 21

<210> 752
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<212> DNA
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<220>
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<400> 752
ucuacgagau caauuuagut t 21

<210> 753
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<212> DNA
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<400> 753
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<210> 754
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<400> 754
uauuaagaua auucuacgat t 21

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<400> 755
ggagauagaa cguuuaaaat t 21

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<400> 756
uuuuaaacgu ucuaucucct t 21

<210> 757
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<400> 757
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<210> 758
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<400> 758
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<400> 759
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<210> 760
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<212> DNA
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<400> 760
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<400> 761
aucucguaga auuaucuuat t 21

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<220>
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<400> 762
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<223> /mod_base = "5'-thio thymidine"

<220>
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<220>
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<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18, 19
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<400> 764
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<220>
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<220>
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<222> 2, 4, 6, 7, 9, 13, 14, 15, 16, 17, 19
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<400> 765
cacgcagcgc ccgagaguat t 21

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<400> 766
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<210> 767
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<220>
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<220>
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<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19
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<400> 768
ccggagucuc ccugguacut t 21

<210> 769
<211> 21
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<220>
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<220>
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<220>
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<222> 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17
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<400> 769
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<222> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 770
aacguucuau cuccuccgut t 21

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<222> 1, 2, 3, 4, 6, 10, 11, 12, 13, 15, 16, 17, 18
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<400> 771
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<400> 783
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<400> 784
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<400> 785
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auuuaccuau guuaagcuct t 21

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<400> 840
ucguacacua acuucuuuut t 21

<210> 841
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<220>
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 841
gaccauuuaa uuuggcagat t 21

<210> 842
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<220>
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<220>
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<220>
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<400> 842
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<210> 843
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<220>
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<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

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<210> 844
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<220>
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uuuaauuauc acuccucuct t 21

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<400> 845
cuggaggauu ggcugacaat t 21

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<220>
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<220>
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<220>
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<400> 846
uugucagcca auccuccagt t 21

<210> 847
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 5, 6, 9, 15, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 847
cucuagucgu ucccacucat t 21

<210> 848
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19
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<400> 848
ugagugggaa cgacuagagt t 21

<210> 849
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 849
gauaccauua cuacaguagt t 21

<210> 850
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 850
cuacuguagu aaugguauct t 21

<210> 851
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 4, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 851
uucgucugcg aagaagaaat t 21

<210> 852
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19
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<400> 852
uuucuucuuc gcagacgaat t 21

<210> 853
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<212> DNA
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<220>
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<220>
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<220>
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<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, 15, 17, 19
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<400> 853
gaaaagaagu uaguguacgt t 21

<210> 854
<211> 21
<212> DNA
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 854
cguacacuaa cuucuuuuct t 21

<210> 855
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 855
ugauguuuac cgaaguguut t 21

<210> 856
<211> 21
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 856
aacacuucgg uaaacaucat t 21

<210> 857
<211> 21
<212> DNA
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<220>
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<220>
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<400> 857
uguuugucca auucuggaut t 21

<210> 858

<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

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<400> 858
auccagaauu ggacaaacat t 21

<210> 859
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<220>
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<400> 859
augaagagua uaccugggat t 21

<210> 860
<211> 21
<212> DNA
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<220>
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<220>
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<400> 860
ucccagguau acucuucaut t 21

<210> 861
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<220>
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<220>
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<222> 21
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<220>
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<222> 1, 4, 9, 10, 12, 13, 14, 16, 18
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<400> 861
gcuacucuga ugaaugcaut t 21

<210> 862
<211> 21
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<220>
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<220>
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<220>
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<400> 862
augcauucau cagaguagct t 21

<210> 863
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 863
gcccuuguag aaagaacact t 21

<210> 864
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<220>
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<220>
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<220>
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<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19
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<400> 864
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<210> 865
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 865
ucauguuccu uaucgagaat t 21

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<220>
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<220>
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<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19
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<400> 866
uucucgauaa ggaacaugat t 21

<210> 867
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<220>
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<220>
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<220>
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<222> 1, 2, 3, 5, 6, 7, 8, 11, 13, 14, 15, 16, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 867
gaauaggguu acagaguugt t 21

<210> 868
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>

<221> modified_base
<222> 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17, 18, 19
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<400> 868
caacucugua acccuauuct t 21

<210> 869
<211> 21
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<220>
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<220>
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<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2, 3, 4, 7, 8, 9, 12, 14, 15, 16, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 869
caaacuggau cguaagaagt t 21

<210> 870
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19
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<400> 870
cuucuuacga uccaguuugt t 21

<210> 871
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<212> DNA
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<220>
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<220>
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 4, 8, 9, 11, 12, 16, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 871
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<210> 872
<211> 21
<212> DNA
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<220>
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<220>

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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2, 3, 5, 6, 7, 8, 10, 11, 13, 14, 15, 17, 18, 19
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<400> 872
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<210> 873
<211> 21
<212> DNA
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<220>
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<220>
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<400> 873
agcaaugugg aaaccuaact t 21

<210> 874
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<212> DNA
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<220>
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<220>
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<220>
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<400> 946
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<400> 948

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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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auguauugua acagagaaat t 21

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<400> 960
uguugcaauu auagauguut t 21

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gucuuaugua cuucuagcat t 21

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guacucaaga cugaucuuct t 21

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<400> 966
gaagaucagu cuugaguact t 21

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<220>
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<400> 968
cauugaguuu aucagagugt t 21

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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 969
aagagcagau uaccucugct t 21

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<400> 970
gcagagguaa ucugcucuut t 21

<210> 971
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 971
ucugcgagcc cagaucaact t 21

<210> 972

<211> 21
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<220>
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<220>
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<400> 972
guugaucugg gcucgcagat t 21

<210> 973
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<220>
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<220>
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<220>
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ccagaaauau gguugccagt t 21

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<220>
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<400> 1037
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<220>
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<400> 1038
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<220>
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<221> modified_base
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<400> 1039
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<220>
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<220>
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<220>
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<220>
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<400> 1044
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<210> 1045
<211> 21

<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 6, 8, 15, 16, 17
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1045
uacucauguu ucucagauut t 21

<210> 1046
<211> 21
<212> DNA
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<220>
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<220>
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<222> 21
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<220>
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<400> 1046
aaucugagaa acaugaguat t 21

<210> 1047
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<220>
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 1047
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<210> 1048
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19
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<400> 1048
gcugccuuac guccaucugt t 21

<210> 1049
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<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1049
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<210> 1050
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19
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<400> 1050
ugucguaccu guugggauat t 21

<210> 1051
<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2, 5, 8, 11, 13, 14, 15, 16, 17, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1051
cauugcuauu augggagact t 21

<210> 1052
<211> 21
<212> DNA
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<220>

<223> siRNA reactive to human Eg5

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<220>
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<220>
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<220>
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<400> 1052
gucucccaua auagcaaugt t 21

<210> 1053
<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 1053
cccucaguaa auccauggut t 21

<210> 1054
<211> 21
<212> DNA
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1054
accauggauu uacugagggt t 21

<210> 1055
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base

<222> 1, 2, 5, 8, 11, 17, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1055
ggucauuacu gcccuuguat t 21

<210> 1056
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
<222> 1, 3, 9, 12
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19
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<400> 1056
uacaagggca guaaugacct t 21

<210> 1057
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1057
aaccacucaa aaacauuugt t 21

<210> 1058
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2..19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1058
caaauguuuu ugagugguut t 21

<210> 1059
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1059
uuugcaaguu aaugaaucut t 21

<210> 1060
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19
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<400> 1060
agauucauua acuugcaaat t 21

<210> 1061
<211> 21
<212> DNA

<213> artificial sequence

<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 3, 9, 10, 12, 13, 16, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1061
uuauuuucag uagucagaat t 21

<210> 1062
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 1062

uucugacuac ugaaaauaat t 21

<210> 1063
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 8, 9, 13, 14, 15
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1063
uuuucucgau ucaaaucuut t 21

<210> 1064
<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1064
aagauuugaa ucgagaaaat t 21

<210> 1065
<211> 21
<212> DNA
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<220>
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<220>
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<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1065
guacgaaaag aaguuagugt t 21

<210> 1066
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<212> DNA
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<220>
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<220>
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<222> 1, 4, 17
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 1066
cacuaacuuc uuuucguact t 21

<210> 1067
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1067
uuuaaaacga gaucuugcut t 21

<210> 1068
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<220>
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<220>
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<220>
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<400> 1068
agcaagaucu cguuuuaaat t 21

<210> 1069
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1069
gaauugauua auguacucat t 21

<210> 1070
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<220>
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<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1070
ugaguacauu aaucaauuct t 21

<210> 1071
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 4, 5, 6, 8, 10, 11, 12, 13, 15, 16

<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1071
gauggacgua aggcagcuct t 21

<210> 1072
<211> 21
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 17, 18, 19
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<400> 1072
gagcugccuu acguccauct t 21

<210> 1073
<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>

<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2, 6, 7, 10, 11, 13, 14, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1073
caucugacua auggcucugt t 21

<210> 1074
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<220>
<221> modified_base
<222> 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 15, 16, 17, 18, 19
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<400> 1074
cagagccauu agucagaugt t 21

<210> 1075
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 3, 4, 9, 11, 13, 14, 15, 16, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1075
gugauccugu acgaaaagat t 21

<210> 1076
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<220>
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<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<400> 1076
ucuuuucgua caggaucact t 21

<210> 1077
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<220>
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<220>
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<220>
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<222> 1, 2, 8, 11, 12, 13, 14, 15, 16, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1077
agcucuuauu aaggaguaut t 21

<210> 1078
<211> 21
<212> DNA
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<220>
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<220>
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<220>
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<220>
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<222> 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19
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<400> 1214
ucagaugucu cuaaacuuut t 21

<210> 1215
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
<222> 1, 10, 12, 14, 16
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1215
cagaaggaau auguacaaat t 21

<210> 1216
<211> 21

<212> DNA
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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uuuguacaua uuccuucugt t 21

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<220>
<221> modified_base
<222> 1, 3, 4, 5, 11, 13, 14
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
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<400> 1217
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<210> 1218
<211> 21
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<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1218
ucccugguac ucucgggcgt t 21

<210> 1219
<211> 21
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<220>
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<220>
<221> modified_base
<222> 1, 10, 15, 17, 18, 19
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1219
cggaggagau agaacguuut t 21

<210> 1220
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<220>
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<220>
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<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1220
aaacguucua ucuccuccgt t 21

<210> 1221
<211> 21
<212> DNA
<213> artificial sequence

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<221> modified_base
<222> 4, 9, 11, 12, 13, 18
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
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<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 5, 6, 7, 8, 10, 14, 15, 16, 17, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1221
agauagaacg uuuaaaacgt t 21

<210> 1222
<211> 21
<212> DNA
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<220>
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19
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<400> 1222
cguuuuaaac guucuaucut t 21

<210> 1223
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<223> siRNA reactive to human Eg5

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<220>
<221> modified_base
<222> 5, 11, 12, 13, 14, 16, 19
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 6, 7, 8, 9, 10, 15, 17, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1223
ggaacaggaa cuucacaact t 21

<210> 1224
<211> 21
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<220>
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<220>
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<220>
<221> modified_base
<222> 3, 5, 14
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19
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<400> 1224
guugugaagu uccuguucct t 21

<210> 1225
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
<222> 2, 6, 7, 13, 15, 17, 18
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 3, 4, 5, 8, 9, 10, 11, 12, 14, 16, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1225
gugagccaaa gguacaccat t 21

<210> 1226
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base

<222> 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19
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<400> 1226
ugguguaccu uuggcucact t 21

<210> 1227
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<222> 2, 3, 4, 5, 6, 7, 8, 9, 13, 14, 15, 16, 17, 18, 19
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 10, 11, 12
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1227
auccucccua gacuucccut t 21

<210> 1228
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1228
agggaagucu agggaggaut t 21

<210> 1229
<211> 21
<212> DNA
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<220>
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 2, 4, 9, 10, 11, 12, 16, 18
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1229
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<210> 1230
<211> 21
<212> DNA
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<220>
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lacking 5'-phosphate

<220>
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<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
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<400> 1230
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<210> 1231
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<220>
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<220>
<221> modified_base
<222> 2, 11, 13, 15, 17
<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 19
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<400> 1231
acagaaggaa uauguacaat t 21

<210> 1232
<211> 21
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<213> artificial sequence

<220>
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 3, 5, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1232
uuguacauau uccuucugut t 21

<210> 1233
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<212> DNA
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<220>
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
<221> modified_base
<222> 3, 4, 5, 6, 7, 9, 13, 14, 19
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<400> 1233

uuagagacau cugacuuugt t 21

<210> 1234
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<212> DNA
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<220>
<221> modified_base
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<223> /mod_base = "2'-O-methyl corresponding base"

<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1234
caaagucaga ugucucuaat t 21

<210> 1235
<211> 21
<212> DNA
<213> artificial sequence

<220>
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<220>
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<220>
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<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 1, 2, 5, 6, 11, 13, 14, 15, 16, 19
<223> /mod_base = "2'-hydroxy corresponding base"

<400> 1235
aauugaucuc guagaauuat t 21

<210> 1236
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<212> DNA
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<220>
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<220>
<221> modified_base
<222> 21
<223> /mod_base = "5'-thio thymidine"

<220>
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<222> 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19
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<400> 1236
uaauucuacg agaucaauut t 21