

SEQUENCE LISTING

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<120> METHODS FOR PREDICTING PROSTATE CANCER AND USES THEREOF

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ugucucgguc ugacagugcc ggcc	84

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 cuauacaguc uacugucuuu cc 22

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<400> 120
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<210> 121
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<212> RNA
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<400> 124
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<400> 125
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<400> 126
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gaguggauuc caggugguga gggcuuggua cu 92

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<400> 129
ggcggaggga aguaggucg uuggu 25

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<400> 130
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<210> 131
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<400> 132

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ucccucaaac uguuacguca uuggcauauu accugacgug aag 103

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<400> 137
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<210> 138
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 aaucuagguu uuu 73

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 <210> 142
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 <400> 142
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<210> 143
 <211> 97
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 uuauguauaa gcuagucucu gauugaaaca ugcagca 97

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 <400> 144
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 <210> 145
 <211> 79
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 agaacccgca aaguccugg 79

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 <211> 72
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 cucugauggu gg 72

 <210> 147
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 <400> 147
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<210> 148
<211> 81
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cucucuggcu ccuccccaaa g 81

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gaagcacagc aaauacaaca uauuacugac aguaaaaau 99

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<211> 75
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uaaucaugua uccau 75

<210> 151
<211> 24
<212> RNA
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<400> 151
gcugguuuca uauggugguu uaga 24

<210> 152
<211> 62
<212> RNA
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<400> 152

gggggugggg cuagugaugc aggacgcugg ggacuggaga aguccugccu gacccugucc 60

ca 62

<210> 153

<211> 143

<212> RNA

<213> Homo sapiens

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caugugacau gaaugaaaug aggaguuuuc agggcugcca accucuuggu uaagguucug 120

uguaguauau uucuccuaca aua 143

<210> 154

<211> 72

<212> RNA

<213> Homo sapiens

<400> 154

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uggaggguca aa 72

<210> 155

<211> 21

<212> RNA

<213> Homo sapiens

<400> 155

agaaguggcu aaauauuug a 21

<210> 156

<211> 69

<212> RNA

<213> Homo sapiens

<400> 156

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	uucucccuuc cauauuaau	79
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	augauccgca cuuggc	76
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 <400> 162
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 <210> 163
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 cuuggagaca ggc 133

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 <400> 165
 gccggacaag agggagg 17

 <210> 166
 <211> 134
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 uguucauauuc ugau 134

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<210> 169
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 <400> 169
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<210> 170
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 <400> 170
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<210> 171
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 cucag 65

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 caaggagacg ggaacaugga gc 22

 <210> 173
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 cucugcagga ccggccugaa u 81

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 uuccucaaac cuucuuaugc uaucagcaca uaaucuggcu gaca 104

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 <400> 175
 uaaaauucac cuuucugaga agg 23

 <210> 176
 <211> 139
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 <400> 176
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 gaagcaagcc uggcagaggc acccauucca uucccagcuu gcuuaguagc uggccauggg 120
 aagacacugu gcaacacug 139

<210> 177
 <211> 69
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 cugagggga 69

<210> 178
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 uuccuuggcu gccuacauag 140

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<400> 179
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<210> 180
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 cucuauaccg ucauccucgu cgaacugagg ucca 94

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 ccagacagaa uucuaugcac uuuccuggag gcucca 96

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 <400> 184
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 <210> 185
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 <212> RNA
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 <400> 185
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 uuagagcacu ggaaacaaaa cggaggaggc gggcauucuu uccugagcau gcagccagcu 120

 cauaguguug uuuuguugca gcugccgcuu gccauugaug auccuucuuc ucuuccuuca 180

 ggggaguaag gagacgacgc ggucuuagug g 211

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<400> 186
ucuaaaagacu agacuucgcu aug 23

<210> 187
<211> 137
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<400> 187
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guagagcacc auaaaauaca uuuuauuuuu uauuugagac agggucucac ucugucaccc 120
aagcuggagu gcagugg 137

<210> 188
<211> 86
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<400> 188
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guugggauga ccugccugca gguagg 86

<210> 189
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<400> 189
auucucucug gaucCCAUGG au 22

<210> 190
<211> 68
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<400> 190

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uugagccu	68

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<400> 191	
uggucuguuc auucucucuu uuuggcc	27

<210> 192
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<400> 192	
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accucuuuag aacaguggca cauuaccugu ccuaca	96

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uucugagaag aguaauguac agca	84

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<210> 195
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 <213> Homo sapiens

<400> 195
uugggagggga agacagcugg aga 23

<210> 196
<211> 69
<212> RNA
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<400> 196
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acugaagaa 69

<210> 197
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gugcauauuu acuuuaggau guuacuggag cuccca 96

<210> 198
<211> 142
<212> RNA
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<400> 198
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cuaagggacc cuggagacag uc 142

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<210> 200
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<210> 201
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 ucugaggugg aacagcagc 19

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 <400> 204
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<210> 205
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uagaacacug gaaaccacga ggaggaggcg cagcauucuc ucuugaccan gaagccggcu	120
cuugguguug uuucanugca acugucanuu gccanugaug aucguucucu uccucuggga	180
gaguaagagg gagaggacac aguuugagug g	211

<210> 206
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<400> 206	
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ccucaauccu ugcuaugaua ucaguacanu accugucuga ug	102

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 <212> RNA
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<400> 207	
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augucuguag cugagac	77

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 <211> 82
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<400> 208	
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caauaggauu acgcugaggc cc	82

<210> 209
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<400> 209	
auagugguug ugaauuuacc uu	22

<210> 210
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 <400> 210
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<210> 211
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 <400> 211
 auacacauac acgcaacaca cau 23

<210> 212
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 ugagcugug 69

<210> 213
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 <400> 213
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<210> 214
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 <400> 214
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<210> 215
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 cagaaauacu ggugucccga cagcc 85

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 <400> 217
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 <210> 218
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 ucugauuuuu 70

 <210> 219
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 <400> 219
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 <210> 220
 <211> 22

<212> RNA
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 <400> 220
 caggaugugg ucaaguguug uu 22

 <210> 221
 <211> 73
 <212> RNA
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 <400> 221
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 uuccaucucu guc 73

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 <400> 222
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 <210> 223
 <211> 104
 <212> RNA
 <213> Homo sapiens

 <400> 223
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 ucccuuaaac cuuguuacua cgucagcaca uuacccauga gaca 104

 <210> 224
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 <400> 224
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 caauaggauu acgcugaggc cc 82

 <210> 225

<211> 65
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ccuac 65

<210> 226
<211> 71
<212> RNA
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<400> 226
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ucugagcugu g 71

<210> 227
<211> 207
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<400> 227
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ggccucgugu cugcgccugc auauuccuac agcuucccag aguccugucg acaauuacug 180
gggagacaaa ccaugcagga aacagcc 207

<210> 228
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<212> RNA
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cagcaggcca acagaugcua 80

<210> 229
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 <400> 229
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 uugaaucag uguuuuagga g 81

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 cucaucuaga augcuguaau auucua 86

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 ucuccgauc auuguuuugu guccauugag cuuccaau 98

 <210> 232
 <211> 115
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 <400> 232
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augccacaua g 131

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<400> 234
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agcaggaaca ggg 73

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<400> 236
uuagggcccu ggcuccaucu cc 22

<210> 237
<211> 103
<212> RNA
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<400> 237
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cccucaaaac uuguuacaac auugacacau uacccuucug aug 103

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<400> 238

accugagguu gugcauuucu aa 22

<210> 239
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<212> RNA
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<400> 239
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cuacacau 128

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ucugaugggg ggggaauaaa auaauu 86

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<400> 241
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<210> 242
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<400> 242
ccugcguguu uucuguccaa 20

<210> 243
<211> 107
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<400> 243
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auucagaggc uagguggaga uagagguagc cuugagggug ggugugg 107

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<210> 245
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<400> 245
cagcggagcc uggagagaag g 21

<210> 246
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<400> 246
cuuggauuuu ccugggccuc ag 22

<210> 247
<211> 105
<212> RNA
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<400> 247
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uuccucaaac cuuuuuauaa caucagcaca uuaccgaaca ugaaa 105

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<211> 68
<212> RNA
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<400> 248

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cagggguc 68

<210> 249

<211> 92

<212> RNA

<213> Homo sapiens

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guggggcuuc gaccuaacc caggugggcu gu 92

<210> 250

<211> 63

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<213> Homo sapiens

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<210> 251

<211> 77

<212> RNA

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<212> RNA

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<400> 252

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<210> 253

<211> 21

<212> RNA

<213> Homo sapiens

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<210> 254
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<400> 254
uuagugaagg cuauuuaau u 21

<210> 255
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<400> 255
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<400> 256
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<210> 257
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caagaaaagu gucccacacu uucugucugu cugauuguga cagcuaagau uaaaucaggu 120

aggacagua 129

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agagggauuu u 71

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<400> 259
aguggcaaag ucuuuccaua u 21

<210> 260
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ucuccuaagg cagucccugg agucac 86

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<211> 74
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cuuuugcacc aauc 74

<210> 262
<211> 83
<212> RNA
<213> Homo sapiens

<400> 262
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auuauuuagc aagacugagg cuu 83

<210> 263

<211> 93
 <212> RNA
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 aggaucauga ugggcuccuc gguguuccc agg 93

<210> 264
 <211> 91
 <212> RNA
 <213> Homo sapiens

<400> 264
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 guggugggggg cuguuguuug cauuguagga u 91

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<400> 265
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<210> 266
 <211> 135
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<400> 266
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 accuuggaga caggc 135

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<400> 267
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<210> 268
 <211> 23
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 <400> 268
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<210> 269
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 <400> 269
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 gcuucugcua cauuuuuagg 80

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 <211> 66
 <212> RNA
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<210> 271
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 <400> 271
 aagucuguc auagcugagg uc 22

<210> 272
 <211> 212
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 <400> 272
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uggcauugcu uugaugcaac uaccuuuugc cauugauggc aaugcaucgc uuccucuagg	180
aguguaagag ggaguggaug cagucagagu gg	212

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acuuuugcac cagccc	76

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<400> 274	
aggagguggu acuaggggcc agc	23

<210> 275
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cugaggaga	69

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<211> 69
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 guccucuag 69

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 <400> 278
 uccugcguag gaucugagga gu 22

 <210> 279
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 <400> 279
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 <210> 280
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 agagcucugg ccccuuggc augucuugg agccaugcag cuucccgucu gccaguucua 120

 uccucaagca ccaggacacc a 141

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 caauuucuuu uugaguau 78

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 <400> 282
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<210> 283
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 <400> 283
 aaaguagcug uaccuuuugc 20

<210> 284
 <211> 210
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 guagagcacu ggaaaccgug aggagaagcu gccuucucuu cugagcauga agugagcucu 120
 caguguugcu ucucugcaac ugccauuugc cauugaugau cguucuucuc uuccucuggg 180
 agaguaaaag gguacaggau gcagucugag 210

<210> 285
 <211> 94
 <212> RNA
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 <400> 285
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 ucacuucugu gccacuucug ugagcugagg ucca 94

<210> 286
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<400> 286
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<210> 287
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<400> 287
uugaauucuu ggccuuaagu gau 23

<210> 288
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<400> 288
ugagaugaca cuguagcu 18

<210> 289
<211> 22
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<400> 289
uguaaaacauc cccgacugga ag 22

<210> 290
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<400> 290
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acaaagcgcu ucucuuuaga guguuacggu uugagaaaag c 101

<210> 291
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gaaggaaucu cug 73

<210> 292
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<400> 292
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<210> 293
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<400> 293
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<210> 294
<211> 71
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ucugaggucc a 71

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<211> 65
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<400> 296

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<210> 297
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<400> 297
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<210> 298
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<400> 298
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<400> 299
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<400> 300
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<210> 301
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<400> 301
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<210> 302
<211> 82

<212> RNA
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 agugaugaug ccagcaguug ug 82

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 <400> 303
 ugcccugugg acucaguucu gg 22

 <210> 304
 <211> 127
 <212> RNA
 <213> Homo sapiens

 <400> 304
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 uacaaaa 127

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 <400> 305
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 <210> 306
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 <400> 306
 uuaaugcuaa ucgugauagg ggu 23

 <210> 307

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 <400> 307
 ucccuucuuc cugggcccuc a 21

 <210> 308
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 <400> 308
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 acccucaaac cuuguuacaa ugugggcaua uuacccaucu gaca 104

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 <211> 83
 <212> RNA
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 <400> 309
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 ccuuuuagag gcuuacuguc uga 83

 <210> 310
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 <400> 310
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 <210> 311
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 <400> 311
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 <210> 312
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<212> RNA
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 <400> 313
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 <210> 314
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 <400> 314
 uaacgcauaa uauggacaug u 21

 <210> 315
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 aauugugaaa uguuuaggac cacuagaccc ggcggggcgcg gcgacagcga 110

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 <400> 316
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 <210> 317
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ucugaucuug agcuagucac ugg	83
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ccuuggacac acua	134
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 guugugucag uuuaucaaac ccuacuugg augac 95

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 <400> 323
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 <400> 324
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 <400> 325
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 <210> 326
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 gaugaugaug gugcugaagg c 81

 <210> 327

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<400> 328
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<210> 329
<211> 102
<212> RNA
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cucucaaacu uugugaaaag ucagcacaug acccaucuga ug 102

<210> 330
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<212> RNA
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<400> 330
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aacugaggau uaggaaggug ua 142

<210> 331
<211> 87
<212> RNA
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<400> 331
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aucuuuuuag aggauuacag uuugaga 87

<210> 332
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<400> 332
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ccuuggacac augg 134

<210> 333
<211> 96
<212> RNA
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<400> 333
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accuuuuuac agcauuggca cauuaccugu cugaug 96

<210> 334
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<400> 334
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<210> 335
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uuucucagac cuugccaaaa cacuggcaca uuaccugucu gaua 104

<210> 336
<211> 88

<212> RNA
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<400> 336
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 uucccuucag aguguuaacg cuuugaga 88

<210> 337
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<400> 337
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 guuaguggca aguucaga 78

<210> 338
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<400> 338
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 accauccuuu ccucaauauu cugugguguc aucuuug 97

<210> 339
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<400> 339
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<210> 340
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<400> 340
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g	c	62
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a	cacaugguc uacuucuucu caauauca	88
<210>	346	
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<212> RNA
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<400> 346
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 cuguggucaa au 72

<210> 347
 <211> 107
 <212> RNA
 <213> Homo sapiens

<400> 347
 auccuuuugu gguucauaag caugaugauu agauuuucau gcuauugggu gagauaugcc 60
 uuccucagac uuuguuacag cauaggcaca uuacaaccug ucugaua 107

<210> 348
 <211> 59
 <212> RNA
 <213> Homo sapiens

<400> 348
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<210> 349
 <211> 76
 <212> RNA
 <213> Homo sapiens

<400> 349
 aagccuggca uauuugguau aacuuuagca ccagguaaaa ucuggugcuu aaguuguacc 60
 aaguauagcc aaguuu 76

<210> 350
 <211> 219
 <212> RNA
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<400> 350
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 guagagcacc agaaaccuug aggaggaggu gcagcguucu cuccugagca uaaagcuggc 120

ccgcaguauu guguugccuc acugcaacug ccauuugcca uugaugauga uuguucucuu 180

ucacugagag aguaagagga caggaugcau ucuaacugg 219

<210> 351

<211> 21

<212> RNA

<213> Homo sapiens

<400> 351

agguugucug ugaugaguuc g 21

<210> 352

<211> 23

<212> RNA

<213> Homo sapiens

<400> 352

uucaugaacu gggucuagcu ugg 23

<210> 353

<211> 23

<212> RNA

<213> Homo sapiens

<400> 353

uagccccag gcuucacuug gcg 23

<210> 354

<211> 103

<212> RNA

<213> Homo sapiens

<400> 354

auccuuuugu aguucauaag gaugaugacu gaguguucac acucgugugu gagaugugcc 60

accucagac cuugaaaucu ucagucacuc uuguuaagug aac 103

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<213> Homo sapiens

<400> 355

ggcuccuugg ucuaggggua 20

<210> 356
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<212> RNA
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<400> 356
gaaggaccug caccuucg 18

<210> 357
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<400> 357
cuuucagucg gauguuuaca gc 22

<210> 358
<211> 85
<212> RNA
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<400> 358
cucaagcugu gacucuccag aggggaugcac uuucucuau gugaaaaaaaa agaaggcgcu 60

ucccuuuaga gcguuacggu uuggg 85

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<400> 359
gugcaaaagu caucacgguu 20

<210> 360
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<400> 360
acuaaaggau auagaagguu uu 22

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	uagcagcggg aacaguucug cag	23
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	agcagc	66
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	uguaggaaca guugaauuuu ggcu	24
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	aagacugugc uuucagggau caugucuaua guuugccacu agagaaguuu uuuugaacau	60
	guaguagggc accagaagca caaggaagag gcacagccuu cucuccugag caugaaucug	120
	gcucuugguc uugcuuuguu ccagcuacca uuugccauug auuauguccu ucucuuccuu	180
	ccagaaagua aaagggagag aaugcagucu gagugg	216

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cuucauauucu gucaacacac uaccgggcug uug 93

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<211> 24
<212> RNA
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<400> 367
uugaagggac aagucagaua ugcc 24

<210> 368
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<212> RNA
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<400> 368
auggucaccu ccgggacu 18

<210> 369
<211> 22
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<213> Homo sapiens

<400> 369
ggaggaaccu uggagcuucg gc 22

<210> 370
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<400> 370
agcuguaauu agucaguuuu cu 22

<210> 371

<211> 110
<212> RNA
<213> Homo sapiens

<400> 371
gagcugcuug ccucggcg uuuuuggcaa ugguagaacu cacacuggug agguaacagg 60
auccgguggu ucuagacuug ccaacuauagg ggcgaggacu cagccggcac 110

<210> 372
<211> 121
<212> RNA
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<400> 372
caaaguucug gaauuacagg ugugagccac cgugcccagc auuuuuuuu uuaauaugua 60
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u 121

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aaaaacugag acuacuuuug ca 22

<210> 374
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<400> 374
ugauggagcu gggaauacuc ug 22

<210> 375
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<400> 375
acucggcugc gguggacaag u 21

<210> 376
 <211> 82
 <212> RNA
 <213> Homo sapiens

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 aaggagcacu cacuccaauu ucccuggacu gggggcaggc ugccaccucc uggggacagg 60

 ggauuggggc aggauguucc ag 82

 <210> 377
 <211> 102
 <212> RNA
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 <400> 377
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 cucuaagccu uguaacaaca ucagcacguu acccuucuga ug 102

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 <212> RNA
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 <400> 378
 guggucucuu ggccccag 19

 <210> 379
 <211> 112
 <212> RNA
 <213> Homo sapiens

 <400> 379
 aguuuuuuuu auuuguuaag caugaugauu aacuuuucac aaauaugcaa uaauguguga 60

 gcuaugccuc ucucaaaaccu uauuaugaug uuggcccauu acccaucuga ug 112

 <210> 380
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 <212> RNA
 <213> Homo sapiens

 <400> 380
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<211>	81	
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	uugcuuccuu cccacacaga c	81
<210>	383	
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	uugcuaagua ggcugagauu ga	22
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<400>	384	
	aaaaguaauu gugguuuuug cc	22
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	uuaaaugaug auuuuuuuua acaaauguau cagagugcau ucauucaaag gaauguuguc	60
	uucuggcaag uaaaaaucca ugcag	85

<210> 386
 <211> 84
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<400> 386
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 auccaacucu gauuucagcc agag 84

<210> 387
 <211> 104
 <212> RNA
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<400> 387
 auccuuuuugu aguucaugag uguaaugauu gaguguucau gcacaugugu gagauaugcc 60
 acccuugaac cuuguuacac cguugucaca uugcccguuu gaca 104

<210> 388
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 <212> RNA
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<400> 388
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 aauaaaacug uuaccuuuca agcccugucu gccauggugc uguagcagca gggauuuug 120
 gucucauaca u 131

<210> 389
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 <212> RNA
 <213> Homo sapiens

<400> 389
 cuauacaacu uacuacuuuc cc 22

<210> 390
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<400> 390

guagcacuu gcaggauaag gu 22

<210> 391

<211> 61

<212> RNA

<213> Homo sapiens

<400> 391

uccgcucugu ggaguggggg gccugucucc ugccacuggg ugacccaccc cucuccacca 60

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<210> 392

<211> 134

<212> RNA

<213> Homo sapiens

<400> 392

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gagugacagu uuuccuugac ggucgccguu cuguuuguug uaacugaucu gcaacauuuu 120

gggaaaauac aguu 134

<210> 393

<211> 22

<212> RNA

<213> Homo sapiens

<400> 393

ugugacuggu ugaccagagg gg 22

<210> 394

<211> 22

<212> RNA

<213> Homo sapiens

<400> 394

caagggacca agcauucuu au 22

<210> 395

<211> 22

<212> RNA

<213> Homo sapiens

<400> 395
ucccaagggg gagaugcugc ca 22

<210> 396
<211> 82
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<400> 396
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ggucgaccuc uuuucgguau ca 82

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<211> 55
<212> RNA
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<400> 397
ccacugcugg ccggggcccc uacucaaggc uaggaggccu uggccaagga caguc 55

<210> 398
<211> 22
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<213> Homo sapiens

<400> 398
cuucugauca agauuugugg ug 22

<210> 399
<211> 111
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<400> 399
aagcuuaua ugacguaagu gugacgacau uggguuuuca cguucaugug ugagaugugc 60

cucccucaag ccuuauuaca augccaguac auuuuuuuuc cacaucugau g 111

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<400> 400

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uaucuguauu cuccuuugcc ugcag 85

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<400> 401

cggcgcccggu gucuuccucca g 21

<210> 402

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<213> Homo sapiens

<400> 402

augaagccuu cucugccuua cg 22

<210> 403

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<212> RNA

<213> Homo sapiens

<400> 403

aaaaguaauu gcaguuuuug c 21

<210> 404

<211> 104

<212> RNA

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aucuuuucgu aguucauaag ugugaugacu gggauuucan gcauguaugu gggauaugcc 60

acccuugacc cuuguuacaa cauugcaca uuaaccaucu gaca 104

<210> 405

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<213> Homo sapiens

<400> 405

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aggccucug 69

<210> 406
<211> 74
<212> RNA
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aacucugagg ucca 74

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<211> 22
<212> RNA
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<400> 407
auagcagcau gaaccugucu ca 22

<210> 408
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<213> Homo sapiens

<400> 408
aaaauuucuu ucacuacuuu g 21

<210> 409
<211> 63
<212> RNA
<213> Homo sapiens

<400> 409
uggcgaugag gagguaccua uuguguugag uaacggugau aauuuuauac gcuaauucuga 60

gcc 63

<210> 410
<211> 77
<212> RNA
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<400> 410

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caugcaccgc ucugaga	77

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 <212> RNA
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agucuuccag augggggcc	78

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ucccaugcug ugaccucua gaggaagcac uuucuguuug uugucugaga aaaaacaag	60
ugcuucccuu uagaguguua ccguuuggga	90

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 <212> RNA
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<400> 413	
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uacuauca gcugcuccuc agaucagagc cuugcagguc aggcc	105

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 <211> 142
 <212> RNA
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<400> 414	
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uuuuucucuc uuuucuauac uucuuuuucu uucuuugaau guccagcguc cugugagcga	120
agauuaugag auaugagggc aa	142

<210> 415
 <211> 96
 <212> RNA
 <213> Homo sapiens

 <400> 415
 gugacccugg gcaaguuccu gaagaucaga cacaucagau cccuuaucug uaaaaugggc 60
 augauccagg aaccugccuc uacgguugcc uugggg 96

 <210> 416
 <211> 22
 <212> RNA
 <213> Homo sapiens

 <400> 416
 uagcaccauc ugaaaucggu ua 22

 <210> 417
 <211> 80
 <212> RNA
 <213> Homo sapiens

 <400> 417
 gguuggcuau aacuaucuu uccaagguug ugcuuuuagg aaauguuggc uguccugcgg 60
 agagagaaug gggagccagg 80

 <210> 418
 <211> 73
 <212> RNA
 <213> Homo sapiens

 <400> 418
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 agcaggaaca ggg 73

 <210> 419
 <211> 21
 <212> RNA
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 <400> 419
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<210> 420
 <211> 85
 <212> RNA
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 <400> 420
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 cuccccccac cuccucucuc cucag 85

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 <400> 421
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 <210> 422
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 <400> 422
 acuucaccug guccacuagc cgu 23

 <210> 423
 <211> 17
 <212> RNA
 <213> Homo sapiens

 <400> 423
 cagccugaca ggaacag 17

 <210> 424
 <211> 96
 <212> RNA
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 <400> 424
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 acuuuauucug cucuucauuu ccccauauuc acuuac 96

<210> 425
 <211> 103
 <212> RNA
 <213> Homo sapiens

 <400> 425
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 cucucaagcc uuguugugac aucagcacau uacccaucug aug 103

<210> 426
 <211> 129
 <212> RNA
 <213> Homo sapiens

 <400> 426
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 ucuacaucc 129

<210> 427
 <211> 74
 <212> RNA
 <213> Homo sapiens

 <400> 427
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 uaaaucuaua uaug 74

<210> 428
 <211> 71
 <212> RNA
 <213> Homo sapiens

 <400> 428
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 ugaaauccgu u 71

<210> 429
 <211> 17
 <212> RNA

<213> Homo sapiens

<400> 429

ggugaggcua gcuggug 17

<210> 430

<211> 67

<212> RNA

<213> Homo sapiens

<400> 430

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uaacucu 67

<210> 431

<211> 101

<212> RNA

<213> Homo sapiens

<400> 431

auccuuuagu ucuuaaaca gacaauugga uguuuuugca uaugugugag augugucacc 60

cuugaaccuu guuaccaugu cugcacauua ccuaucugac a 101

<210> 432

<211> 77

<212> RNA

<213> Homo sapiens

<400> 432

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<211> 23

<212> RNA

<213> Homo sapiens

<400> 433

acaaaguaca gcauuagccu uag 23

<210> 434

<211> 84

<212> RNA
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<400> 434
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 gaacugauaa gggguagguga uuga 84

<210> 435
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 <212> RNA
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<400> 435
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 aacauucugg gguguugugg cugccugacc uaucaagggu gaugcagcug ucuggggaua 120
 cagga 125

<210> 436
 <211> 131
 <212> RNA
 <213> Homo sapiens

<400> 436
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 ugggaacaua g 131

<210> 437
 <211> 132
 <212> RNA
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<400> 437
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 aaaaauacau ugggccacug uaaaauagaga ugaaguaacc auuuucaucu cuucugcagg 120
 gacuagacau ug 132

<210> 438
 <211> 97

<212> RNA
 <213> Homo sapiens

<400> 438
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 gacugccuca cugaccacuu ccagaugagg guuacuc 97

<210> 439
 <211> 97
 <212> RNA
 <213> Homo sapiens

<400> 439
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 aaaccugugu uguucaagag uccacugugu uuugcug 97

<210> 440
 <211> 69
 <212> RNA
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<400> 440
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 uggugaugg 69

<210> 441
 <211> 201
 <212> RNA
 <213> Homo sapiens

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 gaagaauguc uucucuucau ccaguugcgu ccaucacugu ucugguggug ucuggcacug 120
 gugcaaggca gaacugugcu uccuugagag ugugcugagc auucaccuug gcugcuuggu 180
 ucuagucuag gagcagacac a 201

<210> 442
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 <212> RNA
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<400> 442
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<210> 443
<211> 94
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<400> 443
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uugaaucacu gcagaguuug uacggaccgg auuc 94

<210> 444
<211> 82
<212> RNA
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<400> 444
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caauaggauu acgcugaggc cc 82

<210> 445
<211> 22
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<400> 445
cucuagaggg aagcacuuuc uc 22

<210> 446
<211> 81
<212> RNA
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<400> 446
guuccacucu agcagcacgu aaauauuggc guagugaaau auauuuuaaa caccaauuu 60
acugugcugc uuuauguguga c 81

<210> 447
<211> 90
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<213> Homo sapiens

 <400> 447
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 gucugcguca uccucuccuc agugccucaa 90

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 <211> 20
 <212> RNA
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 <400> 448
 aggcauggga ggucagguga 20

 <210> 449
 <211> 100
 <212> RNA
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 uagagcagag ucuccuucgu guacagggag gagauuguac 100

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 <212> RNA
 <213> Homo sapiens

 <400> 450
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 <210> 451
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 <212> RNA
 <213> Homo sapiens

 <400> 451
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 gaguagugca auauugcuua uaggguuuug guguuuggaa agaacaugg gcagg 115

 <210> 452
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<212> RNA
 <213> Homo sapiens

 <400> 452
 cuuggcaccu agcaagcacu ca 22

 <210> 453
 <211> 129
 <212> RNA
 <213> Homo sapiens

 <400> 453
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 gaaaaaaggg uuggagagag cagccuucac ugaagaguau cacagggcug acuguacuac 120
 ccaacacuc 129

 <210> 454
 <211> 72
 <212> RNA
 <213> Homo sapiens

 <400> 454
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 cuaccuuaua ga 72

 <210> 455
 <211> 21
 <212> RNA
 <213> Homo sapiens

 <400> 455
 cgaccucggc gaccccucac u 21

 <210> 456
 <211> 87
 <212> RNA
 <213> Homo sapiens

 <400> 456
 ugguuggguu uggauuguug uacuuuuuuu uuuguucguu gcauuuuuag gaacaaaaaa 60
 aaaagcccaa cccuucacac cacuuca 87

<210> 457
 <211> 72
 <212> RNA
 <213> Homo sapiens

 <400> 457
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 ugagccugau cc 72

<210> 458
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 <400> 458
 caugcuagga uagaaagaau gg 22

<210> 459
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 <212> RNA
 <213> Homo sapiens

 <400> 459
 cucaguagcc aguguagauc cu 22

<210> 460
 <211> 150
 <212> RNA
 <213> Homo sapiens

 <400> 460
 ugcccggccu cccauuuuuu ugguuuuuca gacaaucac aaauuuuuu agguauaagu 60

 auaucccaug uaaucuuugg gacauacuua ugcuaaaaaua auuguuccuu guugauugga 120

 aaauuuuuuu uuaauuaggu guccuguauu 150

<210> 461
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 <212> RNA
 <213> Homo sapiens

 <400> 461
 ugcguuucuc cucuugagca g 21

<210> 462
<211> 133
<212> RNA
<213> Homo sapiens

<400> 462
gcauggccga auacuguguu uuuaucagua guuuacacag ccagacacca ugcaaaagca 60
gucuucccuu uagaaugacu gaugguauhc uaagguuuuu cauagcauu cauuaaaaa 120
ggugaauaca aau 133

<210> 463
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<212> RNA
<213> Homo sapiens

<400> 463
aacaacaaaa ucacuagucu ucca 24

<210> 464
<211> 82
<212> RNA
<213> Homo sapiens

<400> 464
ccugccgggg cuaaagugcu gacagugcag auaguggucc ucuccgugcu accgcacugu 60
ggguacuugc ugcuccagca gg 82

<210> 465
<211> 82
<212> RNA
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<400> 465
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caauaggauu acgcugaggc cc 82

<210> 466
<211> 21
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<213> Homo sapiens

<400> 466
uaauuuuuaug uauaagcuag u 21

<210> 467
<211> 135
<212> RNA
<213> Homo sapiens

<400> 467
gcauggguuu ggauuuuuga ugggcuggau ucccuaggcc ucucauagua cccaugcca 60
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guggguugca cagua 135

<210> 468
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<400> 468
accuuccucu ccaugggucu uu 22

<210> 469
<211> 148
<212> RNA
<213> Homo sapiens

<400> 469
cuucgaugaa gagaugauga cgagucugac ugggggaugu ucucuugcc cagguggccu 60
acucugugcu gcguucugug gcacaguuaa aagagcccug guugaaguua uuuccuaaag 120
augacuuaga ggcauuuguc ugagaagg 148

<210> 470
<211> 21
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<213> Homo sapiens

<400> 470
ugugucccau uauuggugau u 21

<210> 471

<211> 90
 <212> RNA
 <213> Homo sapiens

<400> 471
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 ccuuacccca aaaagcauuu gcggagggcg 90

<210> 472
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 <212> RNA
 <213> Homo sapiens

<400> 472
 aggacuggac ucccggcagc cc 22

<210> 473
 <211> 23
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 <213> Homo sapiens

<400> 473
 uguaguguuu ccuacuuuau gga 23

<210> 474
 <211> 65
 <212> RNA
 <213> Homo sapiens

<400> 474
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 agcag 65

<210> 475
 <211> 23
 <212> RNA
 <213> Homo sapiens

<400> 475
 acuugggcac ugaaacaauug ucc 23

<210> 476
 <211> 22

<212> RNA
 <213> Homo sapiens

 <400> 476
 aucauaugaa ccaaacucua au 22

 <210> 477
 <211> 64
 <212> RNA
 <213> Homo sapiens

 <400> 477
 ugaugagggg guagaaagug gcugaagcga gauguuuguc uaaaagcacu uuucugucuc 60
 ccag 64

 <210> 478
 <211> 72
 <212> RNA
 <213> Homo sapiens

 <400> 478
 ccuggugaug acagacgaca uugucagcca auccccaugu gguagugagg acauguccug 60
 caguucugaa gg 72

 <210> 479
 <211> 72
 <212> RNA
 <213> Homo sapiens

 <400> 479
 agauucagcu uucccuucag agccuggcuu uggcaucua gaaagccagg cucugaaggg 60
 aaaguugaau cu 72

 <210> 480
 <211> 104
 <212> RNA
 <213> Homo sapiens

 <400> 480
 aucauuuugc agcuuauaca ugugaugacu ggguuuuuuu acucauaagu gagaugugcc 60
 uuucuuacau cuuauuauga cauuaquaca uuacccauuu gaua 104

<210> 481
 <211> 91
 <212> RNA
 <213> Homo sapiens

<400> 481
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 acccuugaac cuugucaugu cugaugugaa a 91

<210> 482
 <211> 19
 <212> RNA
 <213> Homo sapiens
 <400> 482
 ucucccuuga gggcacuuu 19

<210> 483
 <211> 74
 <212> RNA
 <213> Homo sapiens
 <400> 483
 uagaccagug augagaau cu gucaugaacc aaggaguauu auuaaucuaa uucuguuuac 60
 cugagaguuu uaaa 74

<210> 484
 <211> 86
 <212> RNA
 <213> Homo sapiens
 <400> 484
 aagagccaau gauguuuuuu uucaaaaugu cugaaccugu cugaagcauc ccagugaugc 60
 aacuucugug ugauacugag gcuuuu 86

<210> 485
 <211> 100
 <212> RNA
 <213> Homo sapiens
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ccuccaaccu uguuauaug ucagcacauu acccuugacg 100

<210> 486
<211> 74
<212> RNA
<213> Homo sapiens

<400> 486
augauuauau gagggacaga ugccagaagc acugguuauug auuugcaucu ggcauccguc 60

acacagauaa uuau 74

<210> 487
<211> 22
<212> RNA
<213> Homo sapiens

<400> 487
aggugcucca ggcuggcuca ca 22

<210> 488
<211> 22
<212> RNA
<213> Homo sapiens

<400> 488
ucacaaaucu auaauaugca gg 22

<210> 489
<211> 100
<212> RNA
<213> Homo sapiens

<400> 489
ucccaucugg acccugcugg gcagggcuuc ugagcuccuu agcacuagca ggaggggcuc 60

caggggccccu cccuccaugg cagccaggac aggacucuca 100

<210> 490
<211> 74
<212> RNA
<213> Homo sapiens

<400> 490

uggaccaaug augacaacug ccggcguaug aguguugggu gaugaauaau acgugucuag 60

aacucugagg ucca 74

<210> 491

<211> 77

<212> RNA

<213> Homo sapiens

<400> 491

uuccagccccg aggccucugu gacgucacgg ugucugcggg aggagaccu gacgucacag 60

aggcuucgcg cucugag 77

<210> 492

<211> 87

<212> RNA

<213> Homo sapiens

<400> 492

ggucgcauuu cuccuucuua ccagcgcggu uucaguuuca uagggaagcc uuuccaugaa 60

acuggagcgc cuggaggaga agggggcc 87

<210> 493

<211> 23

<212> RNA

<213> Homo sapiens

<400> 493

ugacccccau gucgccucug uag 23

<210> 494

<211> 62

<212> RNA

<213> Homo sapiens

<400> 494

aaaaguacuu gcggauuugc caucacuuu accuuuaaug gcaaaacugc aguuacuuuu 60

gc 62

<210> 495

<211> 76

<212> RNA

<213> Homo sapiens

 <400> 495
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 auugggauuu aagccc 76

 <210> 496
 <211> 79
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 <400> 496
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 uucucccuuc cauauuaau 79

 <210> 497
 <211> 69
 <212> RNA
 <213> Homo sapiens

 <400> 497
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 aaguccauu 69

 <210> 498
 <211> 110
 <212> RNA
 <213> Homo sapiens

 <400> 498
 auccuuuugu aguucauaag cgugaugacu gugguuuau gcuugugugu gagagauggg 60
 ugggccuccc ucaaaccuug uuacgacgua ggcccuuuac ccaucugaca 110

 <210> 499
 <211> 205
 <212> RNA
 <213> Homo sapiens

 <400> 499
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 gcuaugggcu cugccccaug auguacaguc ccuuuccuca guguggaga ugaagcuggg 120

ucugguguuuu gcacuuucau auuccuguag cuucucagaa uccuguggac agugacuggg	180
gagacaaaacc augcaggaaa uaugu	205

<210> 500
 <211> 103
 <212> RNA
 <213> Homo sapiens

<400> 500	
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ccugugaacc uuguuaggac aucagcacau uacccaucug aca	103

<210> 501
 <211> 104
 <212> RNA
 <213> Homo sapiens

<400> 501	
auccuuuugu aguucuaaag cacaugauu gaauuuucau gcucaugugu gagauaugcc	60
ucacuccagu cuuguuacag uguuagcaca uuaccuau cu gaua	104

<210> 502
 <211> 77
 <212> RNA
 <213> Homo sapiens

<400> 502	
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ugcauuugag auccacu	77

<210> 503
 <211> 82
 <212> RNA
 <213> Homo sapiens

<400> 503	
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caauaggauu acgcugaggc cc	82

<210> 504
 <211> 94
 <212> RNA
 <213> Homo sapiens

<400> 504
 uggaucgaug augacuuuca uacaugcauu ccuuggaaag cugaacaaaa ugagugaaaa 60
 cucuauaccg ucauccucgu cgaacugagg ucca 94

<210> 505
 <211> 135
 <212> RNA
 <213> Homo sapiens

<400> 505
 uguccuugac uuggguagag ugaugucugg uuggugcugc cuaucucaua uaagccaggg 60
 acaaaucaau gccuuauuuu uuccagcuug gcuuuugguc ugugcccaua ccugguuuau 120
 gccuuggaca caugg 135

<210> 506
 <211> 149
 <212> RNA
 <213> Homo sapiens

<400> 506
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 auuaaaagua auggcaaaaa uagcaauuau uuuuguacca gccuaguauc uuuucuccuu 120
 cuaccaaacu uugucccuga gccaucuca 149

<210> 507
 <211> 208
 <212> RNA
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<400> 507
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 caccggaaac caccaggagg aggcacagca uuuucucugg agcgugaagc caguucugg 120
 uguugcugca uagcaacugc cauuugccuu ugaugaucau ucuucuuuuc cuuuaggaga 180
 auaagagggg gagaaccag ucugaggg 208

<210> 508
<211> 59
<212> RNA
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<400> 508
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<210> 509
<211> 23
<212> RNA
<213> Homo sapiens

<400> 509
uuuguaugga uaugugugug uau 23

<210> 510
<211> 128
<212> RNA
<213> Homo sapiens

<400> 510
aggucuuuc aaagaggucu ugugaggcug ugaaaccaag agcucuuaac acugcgacca 60

aagauggaag uucucuauag gaugccaugg cauuugaugg ugcuauguuu ucuugaggag 120

auauaaga 128

<210> 511
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<400> 511
ccagccacgg acugagagug cau 23

<210> 512
<211> 103
<212> RNA
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<400> 512
aucccuuuau aguucccgag caugacgauu ggguguucac augcaugugu gagauguacc 60

accucgcgau cuuguuagac guuggcacau uacccgucug acc 103

<210> 513
<211> 24
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<400> 513
guuccacacu gacacugcag aagu 24

<210> 514
<211> 22
<212> RNA
<213> Homo sapiens

<400> 514
aguauucugu accagggaag gu 22

<210> 515
<211> 106
<212> RNA
<213> Homo sapiens

<400> 515
gcgcagcgcc cugucuccca gccugaggug cagugcugca ucucugguca guugggaguc 60

ugagaugaag cacuguagcu caggaagaga gaaguuguuc ugcagc 106

<210> 516
<211> 75
<212> RNA
<213> Homo sapiens

<400> 516
uaucugugau gaucuuaucc cgaaccugaa cuucuguuga aaaaaaaaaa cuuuuacgga 60

ucuggcuucu gagau 75

<210> 517
<211> 102
<212> RNA
<213> Homo sapiens

<400> 517
auaaucuugu aguucauaag caugaugauu gccuuuucac acucguauga gaugugccuc 60

ccuugaaccu uguuugaug ugggcacauu acccaucuga ug 102

<210> 518
<211> 131
<212> RNA
<213> Homo sapiens

<400> 518
ugggaggcug auacacaaa ugggcugaaa uacugcucua cuugucacca ugccuccua 60

gaauaaacug ccuuuugaug accgggacga auugagugaa aucguaacgg acagauacgg 120

ggcagacaga u 131

<210> 519
<211> 22
<212> RNA
<213> Homo sapiens

<400> 519
ccagagaugg uugccuuccu au 22

<210> 520
<211> 23
<212> RNA
<213> Homo sapiens

<400> 520
cggggccaug gagcagccug ugu 23

<210> 521
<211> 109
<212> RNA
<213> Homo sapiens

<400> 521
auucuuuugc uguucguaag cauaaggauc agguauucau ggucaugugu aagacgugcc 60

ucccucaac cuuguuacga uguggacguc agcacauacc cauuugaug 109

<210> 522
<211> 110
<212> RNA
<213> Homo sapiens

<400> 522
gcugcuggaa gguguaggua cccucaaugg cucaguagcc aguguagauc cugucuuucg 60
uaaucagcag cuacaucugg cuacuggguc ucugauggca ucuucuagcu 110

<210> 523
<211> 75
<212> RNA
<213> Homo sapiens

<400> 523
uggaccaaug augugaugg aaugcaucug aauaaaaauu augaucaauc aguuuuugga 60
acaacugagg uccac 75

<210> 524
<211> 108
<212> RNA
<213> Homo sapiens

<400> 524
aggccccugu aguucccgag cacgaugacu ggguguucac gugcacgugu gggaugugcc 60
acccucugaa ccuuguuacg auguuggcac auuaccugg accugacc 108

<210> 525
<211> 97
<212> RNA
<213> Homo sapiens

<400> 525
uauuaugcca ugacauugug ucaauaugcg augauguguu gugauggcac agcgucauca 60
cguggugacg caacaucaug acguaagacg ucacaac 97

<210> 526
<211> 96
<212> RNA
<213> Homo sapiens

<400> 526
uucaaaaaag accauauauc cuugaagagu aacugcugaa cuuauucacu ggcagugggc 60
cuuauagcac agugaaugac cagguuagag acaugc 96

<210> 527
 <211> 215
 <212> RNA
 <213> Homo sapiens

<400> 527
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 guggagcacc agaaaccaug agaaggagau guaguguucu cuccggagca ugaagcuggc 120
 ucuugguguu gcuucgcugc accugccauu ugccauugac aaucuuuuu cucuuccucu 180
 gggagaguaa ggaggagagg acacagucug agugg 215

<210> 528
 <211> 23
 <212> RNA
 <213> Homo sapiens
 <400> 528
 cugcagccac uuggggaacu ggu 23

<210> 529
 <211> 58
 <212> RNA
 <213> Homo sapiens
 <400> 529
 ugcuggcuca uuucuaugu gugcugagaa aaucacaca uaugaaguga gccagcac 58

<210> 530
 <211> 22
 <212> RNA
 <213> Homo sapiens
 <400> 530
 ccugacaccc caucugcccu ca 22

<210> 531
 <211> 21
 <212> RNA
 <213> Homo sapiens
 <400> 531
 uuacacagcu ggacagaggc a 21

<210> 532
<211> 110
<212> RNA
<213> Homo sapiens

<400> 532
aguauaauua uuacauaguu uuugaugucg cagauacugc aucaggaacu gauuggauaa 60
gaaucaguca ccaucaguuc cuaaugcauu gccuucagca ucuaaacaag 110

<210> 533
<211> 18
<212> RNA
<213> Homo sapiens

<400> 533
gguggggggg guuguuuu 18

<210> 534
<211> 98
<212> RNA
<213> Homo sapiens

<400> 534
aggagccacc uuccgagccu ccaguaccac gugucagggc cacaugagcu gggccucgug 60
ggccugaugu ggugcugggg ccucaggggu cugcucuu 98

<210> 535
<211> 22
<212> RNA
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<400> 535
uagcaccauu ugaaaucggg ua 22

<210> 536
<211> 104
<212> RNA
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<400> 536
auccuuuuugu aguucaugag caugaugauu gguuguucac guacaugugu gagauguguc 60

accucgaac cuuguggcaa uguuggaaua uuaccugucu gaca 104

<210> 537
<211> 120
<212> RNA
<213> Homo sapiens

<400> 537
gauucacagc agaaagacag cuaaucuagu gugcuagcug uagagcaagu uugcugcaaa 60

caccucaagg agggucucug gccaaaugag uagaaucuga caguaauccu ugcuaaaagu 120

<210> 538
<211> 71
<212> RNA
<213> Homo sapiens

<400> 538
cuacaau gau ggcaauaugu uucaucgaca gcaguucacc cauugagugu ugauaccgug 60

ggucugagug a 71

<210> 539
<211> 81
<212> RNA
<213> Homo sapiens

<400> 539
auucaggccg guccugcaga gaggaagccc uucaauacc uguaagcaga agggcuuccu 60

cucugcagga ccggccugaa u 81

<210> 540
<211> 74
<212> RNA
<213> Homo sapiens

<400> 540
uggaccaaug augacaaaua ccggcguaug agucuuggau gaugaauaau acgugucugg 60

aacucugagg ucca 74

<210> 541
<211> 47
<212> RNA

<213> Homo sapiens

<400> 541

gccuaggagu ccuuggucag uggggacaug gagaaggcuu cugagga 47

<210> 542

<211> 81

<212> RNA

<213> Homo sapiens

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gugagggacu gggauuugug gggcgaggag ggaccuguac uagccauggu ucugaucaca 60

uau guccau cccuccauca g 81

<210> 543

<211> 73

<212> RNA

<213> Homo sapiens

<400> 543

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cuaacacaca cac 73

<210> 544

<211> 72

<212> RNA

<213> Homo sapiens

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cuugggaaug gcaaggaaac cguuaccuu acugaguuuu guaaugguaa ugguucucuu 60

gcuaauaccca ga 72

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<211> 22

<212> RNA

<213> Homo sapiens

<400> 545

gugagccagu ggaauggaga gg 22

<210> 546

<211> 81

<212> RNA
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<400> 546
 accuccuccc gugaaucaca aauguccuua auagcaaucc uuaaaugcca uuaaggacau 60
 uugugauuga ugaggaggagg a 81

<210> 547
 <211> 96
 <212> RNA
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<400> 547
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 gaccgugacu acuuuugcaa cagccuaaua guuucu 96

<210> 548
 <211> 149
 <212> RNA
 <213> Homo sapiens

<400> 548
 auccaagggg auucccucuc caagggaaca ugcagugccc cucucaggaa aguaacaacc 60
 uggaauagaa ucuggcaugc cuaaggucuu ugaggaauag aggaauagag gaugcuuguu 120
 uccucugccu uccuuggcug ccuacaugg 149

<210> 549
 <211> 72
 <212> RNA
 <213> Homo sapiens

<400> 549
 acaacauguu uuuaaggacau guaugucugg ugcaauaaau gggacauacu uaugcuaaaa 60
 aaauuagugu uc 72

<210> 550
 <211> 100
 <212> RNA
 <213> Homo sapiens

<400> 550

acuuuauacg uguaaauugug augaggaugg auagcaagga agccgcucucc accugacccu	60
cacggccucc guguuaccug uccucuaggu gggacgcucg	100

<210> 551
 <211> 83
 <212> RNA
 <213> Homo sapiens

<400> 551	
agcuuaggua ccaauuuggc cacaauugggu uagaacacua uuccauugug uucuuaccca	60
ccauggccaa aauggggccu aag	83

<210> 552
 <211> 76
 <212> RNA
 <213> Homo sapiens

<400> 552	
guccucugau gacuucaugu uagugccacc ugucugggcc acggagaacc caugauggaa	60
cugagaau cu gaggaa	76

<210> 553
 <211> 22
 <212> RNA
 <213> Homo sapiens

<400> 553	
uugcucugag cuccgagaaa gc	22

<210> 554
 <211> 92
 <212> RNA
 <213> Homo sapiens

<400> 554	
acccuuuugu aguucuaaag caggauagacu gaguuuucau gcacuugugu gagaugcgcc	60
ucccucaaug uuggcacauu accuauauga ug	92

<210> 555
 <211> 68
 <212> RNA

<213> Homo sapiens

<400> 555

cuucaauuuu auuuuuuuuac ggugagauuu uguuuuugucu gagaaaaucu cgcuguuuua 60

gacugagg 68

<210> 556

<211> 217

<212> RNA

<213> Homo sapiens

<400> 556

aagacuauac uuucagggau cauuucuaua guguguuacu agagaaguuu cucugaacgu 60

guagagcacc gaaaaccacg aggaagagag guagcguuuu cuccugagcg ugaagccggc 120

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uggaauagaa uaguccagga guuccaggac cagccuggcc aauaugg 107

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uuagccaauu guccaucuuu ag 22

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acccuuaaac cuuguuauaa caucagcaca uuaccacau gaca 104

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aaaauaaauc cucuuuugca acccaugagu uguuuauacau gcaagaagga auauu 115

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 auuguggcag cugagauuga auagagaaau auaggg 96

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 caauaggauu acgcugaggc cc 82

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<210> 592
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 cucucacucc ag 72

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<210> 598
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<400> 598
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<210> 599
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 gaguaauaua gcgccgucca cggca 85

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uccuggaguu guuugcugca acugccauuc cccguugaug accaugcucu uccuucagaa 180
gagggagagu gagaggacca aguccaagug g 211

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<400> 601
ucccaagggg gagaugcugc ca 22

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aauguggaag uggucugagg cau 23

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gccaucuuuc c 71

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<400> 604

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cugcag 66

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<212> RNA

<213> Homo sapiens

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aaauccacgu uuucaguauc 80

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aucaaaauaag gacuagucug ca 22

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aggcccuguc cucugcccca g 21

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<400> 609

ccucacccag cucucuggcc cucu 24

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uuccucagac uuuguuacag cauaggcaca uuacaaccug ucugaua 107

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agucagugaa uuaccgaagg gccauaaaca gagcagagac agauccacga 110

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agcucggucu gaggccccuc agu 23

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uggagagaaa ggcagua 17

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cgacugaaga gu 72

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cacccucaa ccuuguuaca augucagcac auuaccugcc ugacc 105

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cagugccaau augggaaa 78

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<400> 618
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<210> 619
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uuggagauhc augaaaugug auuaaugccu cugccuaauc aggacuugca acaccugag 120

uacuccucuc ugau 134

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<212> RNA

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ucccucaaac auuuuaugac aucggcauau uauccuucug aug 103

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<400> 622

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<400> 623

uugagaauga ugaaucauua gg 22

<210> 624

<211> 215

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guagaacacc agaaaccaca aggaggaggc gcagcguucu cuccugagcg ugaagccggg	120
uccugguguu gcuucacugc aacugccauu ugccauugau gauuguucu cucuuccuuu	180
gggagaguaa gaggcaaagg augcagucug aaugg	215

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aaccaucgac cguugagugg ac	22

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ggggccaggc agggaggugg gaccaugggg gccuugcugu gugaccaccg uuccugcag	59

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ggcuauaaca aa 133

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<400> 630

aguauucugu accagggaag gu 22

<210> 631

<211> 133

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gugagaaaaa aaaguguucu ucugcuuucu gucugucuca guggcaacca agauugaug 120

ggggauauga gag 133

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<212> RNA

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acccuggaac cuuguugcaa cgucagcaca uuaugggucu gaca 104

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<211> 72

<212> RNA

<213> Homo sapiens

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ccaaguucca gu 72

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<212> RNA
<213> Homo sapiens

<400> 634
uuggaagcuu ggaccaacua gcug 24

<210> 635
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<212> RNA
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accuucugaa ccuuguuacg gaguuggcau guuacccauc uaacc 105

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<212> RNA
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guagagcacc agaaacauga ggaagaggca caggguucuc uccugagugu gaagcuggcu 120
cuuggcgcug cuuuccugca acugcuauuu gccauucgug auuguggaga gucagagggga 180
gaggaugaug cagucugagu gg 202

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acccuugcac auuacucgcc ugacc 85

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	cccuccccac ag	72
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	ugggaagg	68

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 <400> 643
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 ccucuaaaac uuguuacaac auugacacau uacccuucug aug 103

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 cuucucccuu ccuauuuau g 81

<210> 645
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 uuccuuuuag aggguuaccg uuuggga 87

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 <400> 646
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<210> 647
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<210> 648
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<210> 649
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ucugaggucc a 71

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ccacuag 67

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<400> 652

aaguaguugg uuuguauagag augguu 26

<210> 653
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<210> 654
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ucccucaaac cuuguucuua caucagcacc uuacacgucu aaca 104

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ucccucaaac cuuguuuga ugucaacaca uugcccaucu gaug 104

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<211> 75
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<400> 658
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aagaucgcug augca 75

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<400> 660
cuaccucgg ucugcuuacc aca 23

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<210> 662
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ggccugaugu ggugcugggg ccucaggggu cugcucuu 98

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aagagaaagu aaaugaaaga ggugag 86

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<400> 664
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cuccagauug uggcgcuggu gcagg 85

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<400> 666
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caauaggauu acgcugaggc cc 82

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<400> 667
ugagguggua ggauguaga 19

<210> 668
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<400> 668
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gggcugcucu aagggaccac ggagacaggc 90

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<212> RNA
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<400> 669
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<210> 670
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cucucaaacc uucugaccug ggacacuuac ccagcuaaug 100

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ccucaaau cuugaugaug ucggcacgug acccaucuga cg 102

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aaggaguggu gcuggguuug ucucugcugg gguuuuccu 100

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aaauuuuaga cugaga 76

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acugagauuu 130

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acaagacauu g 131

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acaaaaacug uauuuacuuu uggaacaaua uuaauagaau uucag 105

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caccaagacc uu 72

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auuaacugug cugcugaagu aagguugac 89

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caaagcaaca ccuuguuuau cccggcuugg cuuuuggccu guguccauga cugguccaua 120
ccuuggacac augg 134

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<400> 686

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ucccucaagc uuuguuguga caucaucaua uuaccugucc gaug 104

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<400> 687

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<210> 688

<211> 65

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<213> Homo sapiens

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<210> 690

<211> 67

<212> RNA

<213> Homo sapiens

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agucggc 67

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<211> 21

<212> RNA

<213> Homo sapiens

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aguuaaugaa uccuggaaag u 21

<210> 692
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<212> RNA
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gccuuggaca uauca 135

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uuccuccac ucuug 75

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cuugccaaac ugcacuggau uuugugucuc ccauucccca gagcugucug aggugcuuug 120

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 caaguuuacu cuguguguga uguagu 86

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 <212> RNA
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<210> 701

<211> 149

<212> RNA

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<400> 701

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uacgaauuuu cagcucuugu ucuggugac 149

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<212> RNA

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cagugguggg acagac 136

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<212> RNA

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<400> 703

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<210> 704

<211> 129

<212> RNA

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auuaaaguug uuucuuaacu auacccaucu gcuaauucugu agcagccagg gaugcuuggu 120

cacauacau 129

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<212> RNA
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uuauggccug acauua 136

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aaugcccuua ccugac 136

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cuguggucaa au 72

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<212> RNA
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<400> 708
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<210> 709
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<213> Homo sapiens

<400> 709

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gucuuucauc cuca 74

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<211> 101

<212> RNA

<213> Homo sapiens

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ucccuuaaac cuuaaгаugu uggcacauua ccuauuugau g 101

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<211> 104

<212> RNA

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ucucucaaac cuugcuacga uguuggcaca uugccuau cu ggca 104

<210> 712

<211> 21

<212> RNA

<213> Homo sapiens

<400> 712

aaaauuucuu ucacuacuua g 21

<210> 713

<211> 22

<212> RNA

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<400> 713

uuuuucauuu uugcuccuga cc 22

<210> 714

<211> 129

<212> RNA
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gagcacaucu ugucaccuuu gcgggacugu ggcugugccc cucgcaguaa auuuggaggu 120
ucuacaucc 129

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uucaggugua gugaaac 77

<210> 716
<211> 212
<212> RNA
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guugagcacc agaaaccacg aggagaugca gcauucucuc cugaacggga agccagcuuu 120
uggcauugcu uugaugcaac uaccuuuugc cauugauggc aaugcaucgc uuccucuagg 180
aguguaagag ggaguggaug cagucagagu gg 212

<210> 717
<211> 88
<212> RNA
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<400> 717
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gguggauguu uacuucagcu gacuugga 88

<210> 718
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<212> RNA
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cuuauagcac agugaaugac cagguuagag acaugc 96

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<400> 719
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<210> 720
<211> 133
<212> RNA
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cagcaaguga aucucgucgc cuuugcgggg cuguggccau gccccucaa ggaaauuugg 120
aggcucuaca gcc 133

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<211> 109
<212> RNA
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ucugcucaua ccccaugguu ucugagcagg aaccuucuu gucuacugc 109

<210> 722
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<400> 722
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ggagaggggaa ccucccaacu cggccucugc caucauu 97

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gaguagugca auauugcuua uaggguuuug guguuuggaa agaacaugg gcagg 115

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uggaauagaa ucuggcaugc cuaaggucuu ugaggaacag ggauvcuuau uuccucugcc 120

uuccuuggcu gccuacauag 140

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<212> RNA
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gccugguuuc ucuauc 77

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<210> 727
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caguucugaa gg 72

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uggauacu 128

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<210> 730
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gcu 123

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ccugagcucc cgugccugug caccucuaau uggcu 95

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uucccuugua gauaaccggg uggucagguu ggauggcucc aug 103

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ccauagaaau ccaguaucug guuucauugg uuuucuuggc uuugugcuug uuaaaccugg 120

uauuuuauuu gauacagca 139

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<400> 736
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acagcgcccu gccuggcucg gccggcgaag cuc 93

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aucuuuuuag aggauuacag uuugaga 87

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<400> 741
cacuguuuca ccacuggcuc uu 22

<210> 742
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uaauaucaca guagguguac acauguugu a 91

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ugaaaaggua gauagaacag gucuuguuug caaaauaaaau ucaagaccua cuuauacuacc 120

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ugccagcccc guuccagggc acagcau 87

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aaaaaaaaag gauccucagg gcugccaacc uuauaguaga aguugaggug guaguggauu 120

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ggcauguacu cacacaacug a 81

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<400> 748
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<210> 749
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gaccuggaca uguuugugcc caguacuguc aguugcag 99

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 uuuuucugau aaagaug 77

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 <400> 751
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 <210> 752
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 <212> RNA
 <213> Homo sapiens

 <400> 752
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 ugacacuucu gugaguagag uaacgcauga cacguacg 98

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 cuacugucuu uccu 74

 <210> 754
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	ggucuacugu gugccaggcc cugugccag	89

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	uuauugcugag g	71
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	ucagaguugg ccaaaaau	77
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	uuuccuag	68
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<213>	Homo sapiens	

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agggaaggag gcuuggucuu ag 22

<210> 771
<211> 22
<212> RNA
<213> Homo sapiens

<400> 771
ccagagaugg uugccuuccu au 22

<210> 772
<211> 22
<212> RNA
<213> Homo sapiens

<400> 772
aucgugcauc ccuuuagagu gu 22

<210> 773
<211> 81
<212> RNA
<213> Homo sapiens

<400> 773
accugcccug ggcuuuucuag ucucagcucu ccugaccagc ugagcuggag gagagcugag 60

acuagaaaagc ccagggcagg u 81

<210> 774
<211> 23
<212> RNA
<213> Homo sapiens

<400> 774
agcagcauug uacagggcua uga 23

<210> 775
<211> 21
<212> RNA
<213> Homo sapiens

<400> 775
uuggccacaa ugguuagaa c 21

<210> 776
<211> 69
<212> RNA
<213> Homo sapiens

<400> 776
auguaauaa guucaucaa ugucugaccu gaaaugagca uguagacaag uuaauuuuac 60
acugaagaa 69

<210> 777
<211> 56
<212> RNA
<213> Homo sapiens

<400> 777
aaagguaacu gugauuuuug cuauuagaaa guaauggcaa aaacugcaau uacuuu 56

<210> 778
<211> 21
<212> RNA
<213> Homo sapiens

<400> 778
cgcuuugcuc agccagugua g 21

<210> 779
<211> 101
<212> RNA
<213> Homo sapiens

<400> 779
aaccaugaau gcaagaagcg uaugauuggg uuuucaugcu cacgugugaa auggaccacc 60
cucaaaccug guuaugcuau cagcacauua ccugucugau g 101

<210> 780
<211> 134
<212> RNA
<213> Homo sapiens

<400> 780
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agagagaaaa gaucuccuca ggaccucgga ugggccuuac uguggccucu cuuuccuuga 120

ggggugcaac aggc 134

<210> 781

<211> 22

<212> RNA

<213> Homo sapiens

<400> 781

uggaauguaa ggaagugugu gg 22

<210> 782

<211> 85

<212> RNA

<213> Homo sapiens

<400> 782

auuacagaca ugagcgacug ugccugacca aaagucaaca uuaaacaaca aaucuuggcc 60

aggcacagug gcucaugccu guaau 85

<210> 783

<211> 22

<212> RNA

<213> Homo sapiens

<400> 783

ccucugaaau ucaguucuuc ag 22

<210> 784

<211> 104

<212> RNA

<213> Homo sapiens

<400> 784

aucuuuugc agcuuauaca ugugaugacu ggguuuuuuu acucauaagu gagaugugcc 60

uuucuuaau cuuauuuga cauuguaca uuacccauuu gaua 104

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<211> 88

<212> RNA

<213> Homo sapiens

<400> 785
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ccucccuua gaguguuacc guuuggga 88

<210> 786
<211> 92
<212> RNA
<213> Homo sapiens

<400> 786
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ucuacugaaa aaagaaaaga aaugggaggc cg 92

<210> 787
<211> 22
<212> RNA
<213> Homo sapiens

<400> 787
uaauacuguc ugguaaaacc gu 22

<210> 788
<211> 77
<212> RNA
<213> Homo sapiens

<400> 788
ccucacuuau cugacucuga aaucuucuaa augguaccca cuuuuuuag aacguuuuag 60
ggucaaauaa guacagg 77

<210> 789
<211> 23
<212> RNA
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<400> 789
ucaaggccag aggucccaca gca 23

<210> 790
<211> 22
<212> RNA
<213> Homo sapiens

<400> 790
ucgggcgcaa gagcacugca gu 22

<210> 791
<211> 82
<212> RNA
<213> Homo sapiens

<400> 791
ggguguacac cccucgac auuggaagua guaucaucuc ucccuuggau gcuacgaaca 60
auaucacaga agguguacac cc 82

<210> 792
<211> 22
<212> RNA
<213> Homo sapiens

<400> 792
aggacuggac ucccggcagc cc 22

<210> 793
<211> 22
<212> RNA
<213> Homo sapiens

<400> 793
agaggcugag aaggugaugu ug 22

<210> 794
<211> 76
<212> RNA
<213> Homo sapiens

<400> 794
caaauacaug augaucucac cucaguuuga acucucucac ugaucacuug augacaauaa 60
aagaucugau auugug 76

<210> 795
<211> 133
<212> RNA
<213> Homo sapiens

<400> 795
acugcccccua gaggcguugc agcuguggcu gccgugucac aucuguguca uuagguggca 60
gagauuagag aggcuauguc uacgcucagc guucugcccc gugaacguuu gaauguuuga 120
uagucucaca cuc 133

<210> 796
<211> 134
<212> RNA
<213> Homo sapiens

<400> 796
gucugcauuu gaaagugauc aucagcuagc cugugucuuc gucaucgaua guacaggccg 60
gugaacugcg caaagcauuu ucugcauuug gaggguccau cucuauccuu ggaaaugcua 120
gugcuuuucu caca 134

<210> 797
<211> 73
<212> RNA
<213> Homo sapiens

<400> 797
aaaauggagc uggccaaaaa gcaggcagag acuuuaaaag cgucucugcc ugcuuuuugg 60
ccagcuccgu uuu 73

<210> 798
<211> 82
<212> RNA
<213> Homo sapiens

<400> 798
cagucagugu cgagaaccuu auauuguucu gaagagaggu ggugacuuaa aaaucaugcu 60
caauaggauu acgcugaggc cc 82

<210> 799
<211> 112
<212> RNA
<213> Homo sapiens

<400> 799
agacgaggag uuaagaguuc auucggcugu ccagauguau ccaaguaccc uguguuuuuu 60

ggcaauaaaau acaucugggc aacugacuga acuuuucacu uuucaugacu ca 112

<210> 800
<211> 19
<212> RNA
<213> Homo sapiens

<400> 800
accgugcaaa gguagcaua 19

<210> 801
<211> 101
<212> RNA
<213> Homo sapiens

<400> 801
auccuuuugu aagucauaag ugugauuggg uuuucaugcu cuugugucua augugccucc 60

cucaaaccuu guuacgaagu gggcacacua cccaccugau g 101

<210> 802
<211> 71
<212> RNA
<213> Homo sapiens

<400> 802
aagaucaaug augacuacug uuaguguaug aguuacacau gaugaauaca ugucugaaac 60

ucugaggucc a 71

<210> 803
<211> 67
<212> RNA
<213> Homo sapiens

<400> 803
uggaaaagag aggagcagug gugcuguggc aguggcagag gucgcuacag cccugugauc 60

uuuccag 67

<210> 804
<211> 105
<212> RNA
<213> Homo sapiens

<400> 804
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ugccuccuuu gaacuuuguu acauuggcac uuuaccgauu ugaca 105

<210> 805
<211> 22
<212> RNA
<213> Homo sapiens

<400> 805
ugagguagua aguuguauug uu 22

<210> 806
<211> 93
<212> RNA
<213> Homo sapiens

<400> 806
aucuacaauug gugaugggug aauuuuguaga aggaugaaag ucaaagaau cuucugggaa 60
cuaauuuuug gccuuaaca agaauuguga uau 93

<210> 807
<211> 63
<212> RNA
<213> Homo sapiens

<400> 807
gugcauguga ugaagcaau caguaugaau gaauucauga uacuguaaac gcuuucugau 60
gua 63

<210> 808
<211> 107
<212> RNA
<213> Homo sapiens

<400> 808
agaagaugcu uacuacuagg uuggugcaaa aguaauugug guuuuugcau uaaaaguaau 60
ggccaaaacc gcgauuacuc uugcacgaac cuaacgguaa cacuucu 107

<210> 809

<211> 89
 <212> RNA
 <213> Homo sapiens

<400> 809
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 cagguccagg uugccgugcg caugugccu 89

<210> 810
 <211> 91
 <212> RNA
 <213> Homo sapiens

<400> 810
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 ugcuuggcuc ugucacaugc cacuuugaaa a 91

<210> 811
 <211> 86
 <212> RNA
 <213> Homo sapiens

<400> 811
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 gaugauguac uaguccgggc accccc 86

<210> 812
 <211> 216
 <212> RNA
 <213> Homo sapiens

<400> 812
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 uguagagcac uggaaaccac aggaagauau gcaauguucu cucccgagca cgaagcucgu 120
 ucuugguguu gcuucauugc aacugccauu ugccauugau cauuguuuuu uucuuccuuu 180
 ggggagauua agaggaagag gacacagucu gaguga 216

<210> 813
 <211> 77
 <212> RNA

<213> Homo sapiens

<400> 813

ucacuuuggu gccuaggcug agacugcagu ggugcaaucu caguucacug cagccuugac 60

cuccugggcu cagguga 77

<210> 814

<211> 135

<212> RNA

<213> Homo sapiens

<400> 814

cuccaugugu cuuuggaacc ugucagcugu ggcaguugcc cuuccuagcc auggaagagu 60

aaguauauuc uuguuuauug gcaaagcugu caccauuuca uugguauag auucugacuu 120

gcacaaguaa cauuc 135

<210> 815

<211> 104

<212> RNA

<213> Homo sapiens

<400> 815

auccuuuuga aguucauaag cauggugauu ggguuuucac acucaugugu gagauguacc 60

acccuuaaaag cuuguuauga uguaggcaca uuacccaucu gaca 104

<210> 816

<211> 82

<212> RNA

<213> Homo sapiens

<400> 816

ugagcuguug gauucggggc cguagcacug ucugagaggu uuacauuucu cacagugaac 60

cggucucuuu uucagcugcu uc 82

<210> 817

<211> 278

<212> RNA

<213> Homo sapiens

<400> 817

aggucgauga ugauugguaa aaggucugau ugcacugaau gucacggucc cuuuguugcc 60

cucaacuccc agcagcccau uuuuuuccuc ccgucacauu uaagucaugu guaugggauc	120
auaggagcagc ugauaaauug ggauucuguc aguguguguu ucugagagug aucggcucac	180
agcugacgag uauccaacaa aaccaguuac acaggagacu gacgaguggc agucaugggu	240
gugauggugc augaucucaa guuuucaauc ugagaccu	278

<210> 818
 <211> 84
 <212> RNA
 <213> Homo sapiens

<400> 818	
gcaucuugca gagccguucc aaugcgacac cucuagagug ucauccccua gaaugucacc	60
uuggaaagac ucugcaagau gccu	84

<210> 819
 <211> 96
 <212> RNA
 <213> Homo sapiens

<400> 819	
gguaauuguua gauuaauuuu gugggacauu aacaacagca ucagaagcaa caucagcuuu	60
aguuaaugaa uccuggaaag uuaagugacu uuauuu	96

<210> 820
 <211> 22
 <212> RNA
 <213> Homo sapiens

<400> 820	
uaugcauugu auuuuuaggu cc	22

<210> 821
 <211> 22
 <212> RNA
 <213> Homo sapiens

<400> 821	
ugaaguuaca ucauggucgc uu	22

<210> 822
<211> 127
<212> RNA
<213> Homo sapiens

<400> 822
gacuucucac ugagcuucuu ucugucuguu gcuggcagcu uauggauuca uaugagcaga 60
gagaaucaca gaacuagcau uacuuuuguc uuuacaggag uauauuuggc ugucuuguga 120
gauauua 127

<210> 823
<211> 69
<212> RNA
<213> Homo sapiens

<400> 823
ugguucagug uugacuacug gugucgugug agucauacaa ugaauacaug ucuggaacuc 60
ugaggccca 69

<210> 824
<211> 114
<212> RNA
<213> Homo sapiens

<400> 824
auccuuuugc gguucauaaa gaaccaagau gacuggguuu caugcuaaug caugacaugu 60
gccucccuca aaucauguug ccucaugggc uuauuggcac auuaccgucu gagg 114

<210> 825
<211> 18
<212> RNA
<213> Homo sapiens

<400> 825
gguggggggg guuguuuu 18

<210> 826
<211> 22
<212> RNA
<213> Homo sapiens

<400> 826

ugcuggcuca uuucauaugu gu 22

<210> 827
<211> 22
<212> RNA
<213> Homo sapiens

<400> 827
caaaaguaau uguggauuuu gu 22

<210> 828
<211> 72
<212> RNA
<213> Homo sapiens

<400> 828
guguuuaggg uacucagagc aaguugugaa acacaggugu uuuuuuaccu caccuugcau 60
cugcaucccc ag 72

<210> 829
<211> 53
<212> RNA
<213> Homo sapiens

<400> 829
ucacuuuagg agaaguaaag uagaacuuug guuuucaacu uuuccuacag ugu 53

<210> 830
<211> 115
<212> RNA
<213> Homo sapiens

<400> 830
gugccuaagg uuaacacagc gccuuaagag gcuaacacag aagggcaaag uaagucucca 60
uaaaacccag agaagacugu gaaccccucu cuggauccug ucuggaguca cagcu 115

<210> 831
<211> 68
<212> RNA
<213> Homo sapiens

<400> 831
ccucauugau uaguagcuuc ugacuuuuugu ucugaguuuug cugaagcuag augccauucc 60

agauaaga 68

<210> 832
<211> 22
<212> RNA
<213> Homo sapiens

<400> 832
ugggagagca gggauuugug ga 22

<210> 833
<211> 65
<212> RNA
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<400> 833
guucaugaua aguaacauuu cuucaauuug accugaugug uauugaagaa aaccagcauc 60

ugagg 65

<210> 834
<211> 22
<212> RNA
<213> Homo sapiens

<400> 834
cgucuuaccc agcaguguuu gg 22

<210> 835
<211> 23
<212> RNA
<213> Homo sapiens

<400> 835
uauggagugg acuuucagcu ggc 23

<210> 836
<211> 76
<212> RNA
<213> Homo sapiens

<400> 836
gggucaauga ugagauguua ccuugaagag aaaugaugac guaaaaauua aguucaguug 60

gauuacgcug aggcccc 76

<210> 837

<211> 64

<212> RNA

<213> Homo sapiens

<400> 837

gagcucuggg aggggcuggg uuuggcagga caguuuccaa gcccugucuc cucccaucuu 60

ccag 64

<210> 838

<211> 19

<212> RNA

<213> Homo sapiens

<400> 838

uugccauguc uaagaagaa 19

<210> 839

<211> 80

<212> RNA

<213> Homo sapiens

<400> 839

ugagaggccg caccuugccu ugcugcccgg gccgugcacc cgugggcccc agggcgacgc 60

ggcggggggcg gcccuaagcga 80

<210> 840

<211> 99

<212> RNA

<213> Homo sapiens

<400> 840

uuuagcgguu ucucccugaa gugaugugua acugaucagg aucuacucau gucgucuuug 60

guaaaguuau gucgcuuguc agggugagga gaguuuuug 99