

# SEQUENCE LISTING

<110> Soluventis GmbH

<120> NOTCH 1 specific siRNA molecules

<130> S 10086 PCT

<150> EP 13 004 722.8

<151> 2013-09-30

<160> 128

<170> PatentIn version 3.3

<210> 1

<211> 19

<212> RNA

<213> Artificial

<220>

<223> Synthetic

<400> 1

acgagcugga ccacugguc

19

<210> 2

<211> 9309

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> cDNA of human Notch 1

<400> 2

atgccgcgcg tcctggcgcc cctgctctgc ctggcgctgc tgcccgcgct cgccgcacga 60

ggcccgcgat gctcccagcc cgggtgagacc tgccctgaatg gcgggaagtg tgaagcggcc 120

aatggcacgg aggcctgcgt ctgtggcggg gccttcgtgg gcccgcgatg ccaggacccc 180

aaccctgccc tcagcacccc ctgcaagaac gccgggacat gccacgtggt ggaccgcaga 240

ggcgtggcag actatgcctg cagctgtgcc ctgggcttct ctggggccct ctgcctgaca 300

cccctggaca atgcctgcct caccaacccc tgccgcaacg ggggcacctg cgacctgctc 360

acgctgacgg agtacaagtg ccgctgcccc cccggctggt cagggaaatc gtgccagcag 420

gctgacctgt gcgcctccaa cccctgcgcc aacggtggcc agtgccctgcc cttcgaggcc 480

tcctacatct gccactgccc acccagcttc catggcccca cctgccggca ggatgtcaac 540

gagtgtggcc agaagcccgg gctttgccgc cacggaggca cctgccacaa cgaggtcggc 600

tcctaccgct gcgtctgccg cgccaccac actggcccca actgcgagcg gccctacgtg 660

ccctgcagcc cctcgccctg ccagaacggg ggcacctgcc gcccacggg cgacgtcacc 720

cacgagtgtg	cctgcctgcc	aggcttcacc	ggccagaact	gtgaggaaaa	tatcgacgat	780
tgtccaggaa	acaactgcaa	gaacgggggt	gcctgtgtgg	acggcgtgaa	cacctacaac	840
tgccgctgcc	cgccagagtg	gacaggtcag	tactgtaccg	aggatgtgga	cgagtgccag	900
ctgatgccaa	atgcctgcca	gaacggcggg	acctgccaca	acacccacgg	tggctacaac	960
tgcgtgtgtg	tcaacggctg	gactggtgag	gactgcagcg	agaacattga	tgactgtgcc	1020
agcgccgctt	gcttccacgg	cgccacctgc	catgaccgtg	tggcctcctt	ctactgcgag	1080
tgtcccatg	gocgcacagg	tctgctgtgc	cacctcaacg	acgcatgcat	cagcaacccc	1140
tgtaacgagg	gctccaactg	cgacaccaac	cctgtcaatg	gcaaggccat	ctgcacctgc	1200
ccctcggggt	acacggggccc	ggcctgcagc	caggacgtgg	atgagtgtct	gctgggtgcc	1260
aacccctgcg	agcatgcggg	caagtgcata	aacacgctgg	gctccttcga	gtgccagtgt	1320
ctgcagggct	acacggggccc	ccgatgagag	atcgacgtca	acgagtgcgt	ctcgaacccg	1380
tgccagaacg	acgccacctg	cctggaccag	attggggagt	tccagtgcac	ctgcatgccc	1440
ggctacgagg	gtgtgcactg	cgaggccaac	acagacgagt	gtgccagcag	cccctgcctg	1500
cacaatggcc	gctgcctgga	caagatcaat	gagttccagt	gcgagtgtcc	cacgggcttc	1560
actgggcata	tgtgccagta	cgatgtggac	gagtgtgcca	gcaccccttg	caagaatggg	1620
gccaaagtgc	tggacggacc	caacacttac	acctgtgtgt	gcacggaagg	gtacacgggg	1680
acgcactgcg	aggtggacat	cgatgagtgc	gaccccgacc	cctgccacta	cggctcctgc	1740
aaggacggcg	tcgccacctt	cacctgcctc	tgccgcccag	gctacacggg	ccaccactgc	1800
gagaccaaca	tcaacgagtg	ctccagccag	ccctgccgcc	acgggggcac	ctgccaggac	1860
cgcgacaacg	cctacctctg	cttctgcctg	aaggggacca	caggacccaa	ctgcgagatc	1920
aacctggatg	actgtgccag	cagcccctgc	gactcgggca	cctgtctgga	caagatcgat	1980
ggctacgagt	gtgcctgtga	gccgggctac	acaggggagca	tgtgtaacat	caacatcgat	2040
gagtgtgcgg	gcaacccctg	ccacaacggg	ggcacctgcg	aggacggcat	caatggcttc	2100
acctgccgct	gccccgaggg	ctaccacgac	cccacctgcc	tgtctgaggt	caatgagtgc	2160
aacagcaacc	cctgcgtcca	cggggcctgc	cgggacagcc	tcaacgggta	caagtgcgac	2220
tgtgaccctg	ggaggagtgg	gaccaactgt	gacatcaaca	acaatgagtg	tgaatccaac	2280
ccttgtgtca	acggcgggcac	ctgcaaagac	atgaccagtg	gctacgtgtg	cacctgccgg	2340
gagggcttca	gcgggtcccaa	ctgccagacc	aacatcaacg	agtgtgcgtc	caacccatgt	2400

ctgaaccagg	gcacgtgtat	tgacgacgtt	gccgggtaca	agtgcaactg	cctgctgccc	2460
tacacaggtg	ccacgtgtga	ggtggtgctg	gccccgtgtg	ccccagccc	ctgcagaaac	2520
ggcggggagt	gcaggcaatc	cgaggactat	gagagcttct	cctgtgtctg	ccccacgggc	2580
tggcaagggc	agacctgtga	ggtcgacatc	aacgagtgcg	ttctgagccc	gtgccggcac	2640
ggcgcctcct	gccagaacac	ccacggcggc	taccgctgcc	actgccaggc	cggctacagt	2700
ggcgcaact	gcgagaccga	catcgacgac	tgccggccca	acccgtgtca	caacgggggc	2760
tcttgcacag	acggcatcaa	cacggccttc	tgcgactgcc	tgcccggctt	ccggggcact	2820
ttctgtgagg	aggacatcaa	cgagtgtgcc	agtgaccctt	gccgcaacgg	ggccaactgc	2880
acggactgcg	tggacagcta	cacgtgcacc	tgccccgcag	gcttcagcgg	gatccactgt	2940
gagaacaaca	cgctgactg	cacagagagc	tcttgcctca	acggtggcac	ctgcgtggac	3000
ggcatcaact	cgttcacctg	cctgtgtcca	cccggcttca	cgggcagcta	ctgccagcac	3060
gatgtcaatg	agtgcgactc	acagccctgc	ctgcatggcg	gcacctgtca	ggacggctgc	3120
ggctcctaca	ggtgcacctg	ccccaggggc	tacactggcc	ccaactgcca	gaaccttgtg	3180
cactgggtgtg	actcctcgcc	ctgcaagaac	ggcggcaaat	gctggcagac	ccacaccag	3240
taccgctgcg	agtgccccag	cggctggacc	ggcctttact	gcgacgtgcc	cagcgtgtcc	3300
tgtgaggtgg	ctgcgcagcg	acaaggtgtt	gacgttgccc	gcctgtgcca	gcatggaggg	3360
ctctgtgtgg	acgcgggcaa	cacgcaccac	tgccgctgcc	aggcgggcta	cacaggcagc	3420
tactgtgagg	acctggtgga	cgagtgtctc	cccagcccct	gccagaacgg	ggccacctgc	3480
acggactacc	tgggcggcta	ctcctgcaag	tgcggtggccg	gctaccacgg	ggtgaactgc	3540
tctgaggaga	tcgacgagtg	cctctcccac	ccctgccaga	acgggggcac	ctgcctcgac	3600
ctccccaaca	cctacaagtg	ctcctgcccc	cggggcactc	agggtgtgca	ctgtgagatc	3660
aacgtggacg	actgcaatcc	ccccgttgac	cccgtgtccc	ggagcccca	gtgctttaac	3720
aacggcacct	gcgtggacca	ggtgggcggc	tacagctgca	cctgcccgcc	gggcttcgtg	3780
ggtgagcgct	gtgaggggga	tgtcaacgag	tgccgtgtcca	atccctgcga	cgcccggtggc	3840
accagaact	gcgtgcagcg	cgtcaatgac	ttccactgcg	agtgccgtgc	tggtcacacc	3900
ggcgcccgct	gcgagtccgt	catcaatggc	tgcaaaggca	agccctgcaa	gaatgggggc	3960
acctgcgccg	tggcctccaa	caccgcccgc	gggttcatct	gcaagtgcc	tgcgggcttc	4020
gagggcgcca	cgtgtgagaa	tgacgctcgt	acctgcggca	gcctgcgctg	cctcaacggc	4080
ggcacatgca	tctccggccc	gcgcagcccc	acctgcctgt	gcctggggcc	cttcacgggc	4140

cccgaatgcc	agttcccggc	cagcagcccc	tgcctgggcg	gcaacccctg	ctacaaccag	4200
gggacctgtg	agcccacatc	cgagagcccc	ttctaccgtt	gcctgtgccc	cgccaaattc	4260
aacgggctct	tgtgccacat	cctggactac	agcttcgggg	gtggggccgg	gcgcgacatc	4320
ccccgcgcg	tgatcgagga	ggcgtgcgag	ctgcccagat	gccaggagga	cgcgggcaac	4380
aaggtctgca	gcctgcagtg	caacaaccac	gcgtgcggct	gggacggcgg	tgactgctcc	4440
ctcaacttca	atgacccctg	gaagaactgc	acgcagtctc	tgcaagtctg	gaagtacttc	4500
agtgacggcc	actgtgacag	ccagtgcAAC	tcagccggct	gcctcttcga	cggctttgac	4560
tgccagcgtg	cggaaggcca	gtgcaacccc	ctgtacgacc	agtactgcaa	ggaccacttc	4620
agcgacgggc	actgcgacca	gggctgcaac	agcgcgagat	gcgagtggga	cgggctggac	4680
tgtgcggagc	atgtacccga	gaggctggcg	gccggcacgc	tgggtggtgt	ggtgctgatg	4740
ccgccggagc	agctgcgcaa	cagctccttc	cacttcctgc	gggagctcag	ccgcgtgctg	4800
cacaccaacg	tggctcttcaa	gcgtgacgca	cacggccagc	agatgatctt	cccctactac	4860
ggccgcgagg	aggagctgcg	caagcacccc	atcaagcgtg	ccgccgaggg	ctgggccgca	4920
cctgacgccc	tgctgggccca	ggtgaaggcc	tcgctgctcc	ctgggtggcag	cgaggggtggg	4980
cggcggcgga	gggagctgga	ccccatggac	gtccgcggct	ccatcgtcta	cctggagatt	5040
gacaaccggc	agtgtgtgca	ggcctcctcg	cagtgccttc	agagtgccac	cgacgtggcc	5100
gcattcctgg	gagcgctcgc	ctcgctgggc	agcctcaaca	tcccctacaa	gatcgaggcc	5160
gtgcagagtg	agaccgtgga	gccgcccccg	cgggcgcagc	tgcaacttcac	gtacgtggcg	5220
gcggccgcct	ttgtgcttct	gttcttcgtg	ggctgcgggg	tgctgctgtc	ccgcaagcgc	5280
cggcggcagc	atggccagct	ctggttccct	gagggcttca	aagtgtctga	ggccagcaag	5340
aagaagcggc	gggagcccct	cggcgaggac	tcctgtgggc	tcaagcccct	gaagaacgct	5400
tcagacggtg	ccctcatgga	cgacaaccag	aatgagtggg	gggacgagga	cctggagacc	5460
aagaagttcc	ggttcgagga	gcccgtgggt	ctgcctgacc	tggaacgacca	gacagaccac	5520
cggcagtgga	ctcagcagca	cctggatgcc	gctgacctgc	gcatgtctgc	catggccccc	5580
acaccgcccc	aggggtgaggt	tgacgccgac	tgcatggacg	tcaatgtccg	cgggcctgat	5640
ggcttcaccc	cgctcatgat	cgcctcctgc	agcggggggcg	gcctggagac	gggcaacagc	5700
gaggaagagg	aggacgcgcc	ggcgtcatc	tcgcacttca	tctaccaggg	cgccagcctg	5760
cacaaccaga	cagaccgcac	gggcgagacc	gccttgacac	tgcccgcccc	ctactcacgc	5820

tctgatgccg	ccaagcgcct	gctggaggcc	agcgcagatg	ccaacatcca	ggacaacatg	5880
ggccgcaccc	cgctgcatgc	ggctgtgtct	gccgacgcac	aaggtgtctt	ccagatcctg	5940
atccggaacc	gagccacaga	cctggatgcc	cgcatgcatg	atggcacgac	gccactgatc	6000
ctggctgccc	gcctggccgt	ggagggcatg	ctggaggacc	tcataaactc	acacgccgac	6060
gtcaacgccg	tagatgacct	gggcaagtcc	gccctgcact	gggccgcccgc	cgtgaacaat	6120
gtggatgccg	cagttgtgct	cctgaagaac	ggggctaaca	aagatatgca	gaacaacagg	6180
gaggagacac	ccctgtttct	ggccgcccgc	gagggcagct	acgagaccgc	caaggtgctg	6240
ctggaccact	ttgccaaccg	ggacatcacg	gatcatatgg	accgcctgcc	gcgcgacatc	6300
gcacaggagc	gcatgcatca	cgacatcgtg	aggctgctgg	acgagtacaa	cctggtgcgc	6360
agcccgacgc	tgcacggagc	cccgtgggg	ggcacgccc	ccctgtcgcc	cccgtctctg	6420
tcgcccacg	gctacctggg	cagcctcaag	cccggcgtgc	agggcaagaa	gtcccgcaag	6480
cccagcagca	aaggcctggc	ctgtggaagc	aaggaggcca	aggacctcaa	ggcacggagg	6540
aagaagtccc	aggacggcaa	gggctgcctg	ctggacagct	ccggcatgct	ctcgcccgtg	6600
gactccctgg	agtcacccca	tggctacctg	tcagacgtgg	cctcgccgcc	actgctgccc	6660
tccccgttcc	agcagtctcc	gtccgtgccc	ctcaaccacc	tgctgggat	gcccagaccc	6720
cacctgggca	tcgggcacct	gaacgtggcg	gccaagccc	agatggcggc	gctgggtggg	6780
ggcgcccgcc	tggectttga	gactggccca	cctcgctctt	cccacctgcc	tgtggcctct	6840
ggcaccagca	ccgtcctggg	ctccagcagc	ggagggggccc	tgaatttcac	tgtgggcggg	6900
tccaccagtt	tgaatggtca	atgcgagtgg	ctgtcccggc	tgacagagcg	catggtgccg	6960
aaccaataca	accctctgcg	ggggagtgtg	gcaccaggcc	ccctgagcac	acaggccccc	7020
tccttgacgc	atggcatggg	aggcccgtg	cacagtagcc	ttgctgccag	cgccctgtcc	7080
cagatgatga	gctaccaggg	cctgcccagc	accgggctgg	ccaccagacc	tcacctggtg	7140
cagaccagc	aggtgcagcc	acaaaactta	cagatgcagc	agcagaacct	gcagccagca	7200
aacatccagc	agcagcaaag	cctgcagccg	ccaccaccac	caccacagcc	gcacctgggc	7260
gtgagctcag	cagccagcgg	ccacctgggc	cggagcttcc	tgagtggaga	gccgagccag	7320
gcagacgtgc	agccactggg	cccagcagc	ctggcggtgc	acactattct	gcccagggag	7380
agccccgccc	tgcccacgtc	gctgccatcc	tcgctgggtc	caccgctgac	cgcagcccag	7440
ttcttgacgc	ccccctcgca	gcacagctac	tcctcgcttg	tggacaacac	ccccagccac	7500
cagctacagg	tgcttgagca	ccccttcctc	accccgctcc	ctgagtcctc	tgaccagtgg	7560

tccagctcgt	ccccgcattc	caacgtctcc	gactggtccg	agggcgctctc	cagccctccc	7620
accagcatgc	agtcccagat	cgccccgatt	ccggaggcct	tcaagtaaac	ggcgcgcccc	7680
acgagacccc	ggcttccttt	cccaagcctt	cgggcgctctg	tgtgcgctct	gtggatgcca	7740
gggccgacca	gaggagcctt	tttaaaacac	atgtttttat	acaaaataag	aacgaggatt	7800
ttaatttttt	ttagtattta	tttatgtact	tttattttac	acagaaacac	tgccttttta	7860
tttatatgta	ctgtttttatc	tggccccagg	tagaaacttt	tatctattct	gagaaaacaa	7920
gcaagtctctg	agagccaggg	ttttcctacg	taggatgaaa	agattcttct	gtgtttataa	7980
aatataaaca	aagattcatg	atttataaat	gccatttatt	tattgattcc	ttttttcaaa	8040
atccaaaaag	aatgatggt	ggagaaggga	agttgaacga	gcatagtcca	aaaagctcct	8100
ggggcgctcca	ggccgcgccc	tttccccgac	gcccacccaa	ccccaagcca	gcccggccgc	8160
tccaccagca	tcacctgcct	gttaggagaa	gctgcatcca	gaggcaaacg	gaggcaaagc	8220
tggctcacct	tccgcacgcg	gattaatttg	catctgaaat	aggaaacaag	tgaagcata	8280
tgggttagat	gttgccatgt	gttttagatg	gtttcttgca	agcatgcttg	tgaaaatgtg	8340
ttctcggagt	gtgtatgcca	agagtgcacc	catggtacca	atcatgaatc	tttgtttcag	8400
gttcagtatt	atgtagtgtg	tcgttggtta	tacaagttct	tggtccctcc	agaaccaccc	8460
cggccccctg	cccgttcttg	aatgtaggc	atcatgcatg	tcaaacatga	gatgtgtgga	8520
ctgtggcact	tgcctgggtc	acacacggag	gcatcctacc	cttttctggg	gaaagacact	8580
gcctgggctg	accccggtgg	cggccccagc	acctcagcct	gcacagtgtc	ccccaggttc	8640
cgaagaagat	gctccagcaa	cacagcctgg	gccccagctc	gcgggacctg	acccccctg	8700
ggctcccgtg	ttttgtagga	gacttgccag	agccgggcac	attgagctgt	gcaacgccgt	8760
gggctgcgtc	ctttggtcct	gtccccgcag	ccctggcagg	gggcatgcgg	tcgggcaggg	8820
gctggagggg	ggcgggggct	gcccttgggc	caccttcct	agtttgggag	gagcagattt	8880
ttgcaatacc	aagtatagcc	tatggcagaa	aaaatgtctg	taaatatgtt	tttaaagggtg	8940
gattttgttt	aaaaaatctt	aatgaatgag	tctgttgtgt	gtcatgccag	tgagggacgt	9000
cagacttggc	tcagctcggg	gagccttagc	cgcccatgca	ctggggacgc	tccgctgccg	9060
tgccgcctgc	actcctcagg	gcagcctccc	ccggctctac	gggggcccgc	tggtgccatc	9120
cccagggggc	atgaccagat	gcgtcccaag	atgttgattt	ttactgtgtt	ttataaaata	9180
gagtgtagtt	tacagaaaaa	gactttaaaa	gtgatctaca	tgaggaaactg	tagatgatgt	9240

attttttttca tctttttttgt taactgattt gcaataaaaa tgatactgat ggtgaaaaaa 9300

aaaaaaaaa 9309

<210> 3  
<211> 19  
<212> RNA  
<213> Artificial

<220>  
<223> Synthetic

<400> 3  
gaccaguggu ccagcucgu 19

<210> 4  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<400> 4  
acgagcugga ccacugguct t 21

<210> 5  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<400> 5  
gaccaguggu ccagcucgut t 21

<210> 6  
<211> 19  
<212> RNA  
<213> Artificial

<220>  
<223> Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature

<222> (2)..(2)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (10)..(10)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (11)..(11)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (12)..(12)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Nucleotide is 2'-O-methyl modified

```

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-O-methyl modified

<400> 6
acgagcugga ccacugguc

```

19

```

<210> 7
<211> 19
<212> RNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> misc_feature
<222> (1)..(1)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (2)..(2)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (3)..(3)

```

<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-Fmodified

<220>  
<221> misc\_feature  
<222> (10)..(10)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (11)..(11)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (12)..(12)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (14)..(14)  
<223> Nucleotide is 2'-O-methyl modified

```

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-Fmodified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-F modified

```

```

<400> 7
gaccaguggu ccagcucgu

```

19

```

<210> 8
<211> 17
<212> RNA
<213> Artificial

```

```

<220>
<223> Synthetic

```

```

<400> 8
cgagcuggac cacuggu

```

17

```

<210> 9
<211> 17
<212> RNA
<213> Artificial

```

```

<220>
<223> Synthetic

```

```

<400> 9
accagugguc cagcucg

```

17

```

<210> 10
<211> 19
<212> DNA
<213> Artificial

```

<220>  
<223> Synthetic

<400> 10  
cgagcuggac cacuggutt 19

<210> 11  
<211> 19  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<400> 11  
accagugguc cagcucgtt 19

<210> 12  
<211> 9309  
<212> RNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> mRNA dervied from cDNA of human Notch 1

<400> 12  
augccgccgc uccuggcgcc ccugcucugc cuggcgugc ugcccgcgcu cgccgcacga 60  
ggcccgcgau gcucccagcc cggugagacc ugccugaaug gcgggaagug ugaagcggcc 120  
aauggcacgg aggccugcgu cuguggcggg gccuucgugg gcccgcgau ccaggacccc 180  
aacccgugcc ucagcacccc cugcaagaac gccgggacau gccacguggu ggaccgcaga 240  
ggcguggcag acuaugccug cagcugugcc cugggcuucu cugggccccu cugccugaca 300  
ccccuggaca augccugccu caccaacccc ugccgcaacg ggggcaccug cgaccugcuc 360  
acgcugacgg aguacaagug ccgcugcccg cccggcuggu cagggaauuc gugccagcag 420  
gcugaccgu gcgccuccaa cccugcgcc aacgguggcc agugccugcc cuucgaggcc 480  
uccuacaucu gccacugccc acccagcuuc cauggcccca ccugccggca ggaugucaac 540  
gaguguggcc agaagcccgg gcuuugccgc cacggaggca ccugccacaa cgaggucggc 600  
uccuaccgcu gcgucugccg cgccaccac acuggcccca acugcgagcg gcccuacgug 660  
cccugcagcc ccugccccug ccagaacggg ggcaccugcc gcccacggg cgacgucacc 720  
cacgagugug ccugccugcc aggcucacc ggccagaacu gugaggaaaa uaucgacgau 780

uguccaggaa	acaacugcaa	gaacgggggu	gccugugugg	acggcgugaa	caccuacaac	840
ugccgcugcc	cgccagagug	gacaggucag	uacuguaccg	aggaugugga	cgagugccag	900
cugaugccaa	augccugcca	gaacggcggg	accugccaca	acacccacgg	uggcuacaac	960
ugcgugugug	ucaacggcug	gacuggugag	gacugcagcg	agaacauuga	ugacugugcc	1020
agcgccgccu	gcuuccacgg	cgccaccugc	caugaccgug	uggccuccuu	cuacugcgag	1080
uguccccaug	gccgcacagg	ucugcugugc	caccucaacg	acgcaugcau	cagcaacccc	1140
uguaacgagg	gcuccaacug	cgacaccaac	ccugucaaug	gcaaggccau	cugcaccugc	1200
cccucggggg	acacggggccc	ggccugcagc	caggacgugg	augagugcuc	gcugggugcc	1260
aaccccugcg	agcaugcggg	caagugcauc	aacacgcugg	gcuccuucga	gugccagugu	1320
cugcagggcu	acacggggccc	ccgaugcgag	aucgacguca	acgagugcgu	cucgaacccg	1380
ugccagaacg	acgccaccug	ccuggaccag	auuggggagu	uccagugcau	cugcaugccc	1440
ggcuacgagg	gugugcacug	cgaggucaac	acagacgagu	gugccagcag	cccugccug	1500
cacaauggcc	gcugccugga	caagaucuu	gaguuccagu	gcgagugccc	cacgggcuuc	1560
acugggcauc	ugugccagua	cgauguggac	gagugugcca	gcacccccug	caagauggu	1620
gccaaugucc	uggacggacc	caacacuuac	accugugugu	gcacggaagg	guacacgggg	1680
acgcacugcg	agguggacau	cgaugagugc	gaccccgacc	ccugccacua	cggcuccugc	1740
aaggacggcg	ucgccaccuu	caccugccuc	ugccgcccag	gcuacacggg	ccaccacugc	1800
gagaccaaca	ucaacgagug	cuccagccag	cccugccgcc	acggggggcac	cugccaggac	1860
cgcgacaacg	ccuaccucug	cuucugccug	aaggggacca	caggacccaa	cugcgagauc	1920
aaccuggaug	acugugccag	cagccccugc	gacucgggca	ccugucugga	caagaucgau	1980
ggcuacgagu	gugccuguga	gccgggcuac	acaggggagca	uguguaacau	caacaucgau	2040
gagugugcgg	gcaaccccug	ccacaacggg	ggcaccugcg	aggacggcau	caauggcuuc	2100
accugccgcu	gccccgaggg	cuaccacgac	cccaccugcc	ugucugaggu	caaugagugc	2160
aacagcaacc	ccugcgucca	cggggccugc	cgggacagcc	ucaacgggua	caagugcgac	2220
ugugacccug	gguggagugg	gaccaacugu	gacaucaaca	acaauagagug	ugaauccaac	2280
ccuuguguca	acggcgggcac	cugcaaagac	augaccagug	gcuacgugug	caccugccgg	2340
gagggcuuca	gcggucccaa	cugccagacc	aacaucaacg	agugugcguc	caacccaugu	2400
cugaaccagg	gcacguguau	ugacgacguu	gccggguaca	agugcaacug	ccugcugccc	2460
uacacaggug	ccacguguga	gguggugcug	gccccgugug	ccccagccc	cugcagaaac	2520

ggcgggggagu	gcaggcaauc	cgaggacuau	gagagcuucu	ccugugucug	ccccacgggc	2580
uggcaagggc	agaccuguga	ggucgacauc	aacgagugcg	uucugagccc	gugccggcac	2640
ggcgcauccu	gccagaacac	ccacggcggc	uaccgcugcc	acugccaggc	cggcuacagu	2700
ggcgcaacu	gcgagaccga	caucgacgac	ugccggccca	acccguguca	caacgggggc	2760
uccugcacag	acggcaucaa	cacggccuuc	ugcgacugcc	ugcccggcuu	ccgggggcacu	2820
uucugugagg	aggacaucaa	cgagugugcc	agugaccccu	gccgcaacgg	ggccaacugc	2880
acggacugcg	uggacagcua	cacgugcacc	ugccccgcag	gcuucagcgg	gauccacugu	2940
gagaacaaca	cgccugacug	cacagagagc	uccugcuuca	acggugggcac	cugcguggac	3000
ggcaucaacu	cguucaccug	ccugugucca	cccggcuuca	cgggcagcua	cugccagcac	3060
gaugucaaug	agugcgacuc	acagcccugc	cugcauggcg	gcaccuguca	ggacggcugc	3120
ggcuccuaca	ggugcaccug	ccccagggc	uacacuggcc	ccaacugcca	gaaccuugug	3180
cacuggugug	acuccucgcc	cugcaagaac	ggcggcaaa	gcuggcagac	ccacaccag	3240
uaccgcugcg	agugccccag	cggcuggacc	ggccuuuacu	gcgacgugcc	cagcgugucc	3300
ugugaggugg	cugcgacagc	acaagguguu	gacguugccc	gccugugcca	gcauggaggg	3360
cucugugugg	acgcgggcaa	cacgcaccac	ugccgcugcc	aggcgggcu	cacaggcagc	3420
uacugugagg	accuggugga	cgagugcuca	cccagccccc	gccagaacgg	ggccaccugc	3480
acggacuacc	ugggcgggcu	cuccugcaag	ugcgugggcg	gcuaccacgg	ggugaacugc	3540
ucugaggaga	ucgacgagug	ccucucccac	cccugccaga	acggggggcac	cugccucgac	3600
cuccccaaca	ccuacaagug	cuccugccca	cggggcacuc	agggugugca	cugugagauc	3660
aacguggacg	acugcaaucc	ccccguugac	cccugugucc	ggagccccaa	gugcuuaaac	3720
aacggcaccu	gcguggacca	ggugggcggc	uacagcugca	ccugcccgcc	gggcuucgug	3780
ggugagcgcu	gugaggggga	ugucaacgag	ugccugucca	aucccugcga	cgcccguggc	3840
accagaacu	gcgugcagcg	cgucaaugac	uuccacugcg	agugccgugc	uggucacacc	3900
ggcgcccgcu	gcgaguccgu	caucaauggc	ugcaaaggca	agcccugcaa	gaaugggggc	3960
accugcgccg	uggccuccaa	caccgcccgc	ggguucaucu	gcaagugccc	ugcgggcuuc	4020
gagggcgcca	cgugugagaa	ugacgcucgu	accugcggca	gccugcgcu	ccucaacggc	4080
ggcacaugca	ucuccggccc	gcgagcccc	accugccugu	gccugggccc	cuucacgggc	4140
cccgaaugcc	aguucccggc	cagcagcccc	ugccuggggcg	gcaaccccug	cuacaaccag	4200

gggaccugug	agcccacau	cagagagcccc	uucuaccguu	gccugugccc	cgccaaaau	4260
aacgggcucu	ugugccacau	ccuggacuac	agcuucgggg	gugggggccg	gcgcgacau	4320
cccccgccgc	ugaucgagga	ggcgugcgag	cugcccagag	gccaggagga	cgcgggcaac	4380
aaggucugca	gccugcagug	caacaaccac	gcgugcggu	gggacggcg	ugacugcucc	4440
cucaacuua	augaccccug	gaagaacug	acgcagucuc	ugcagugcug	gaaguacuuc	4500
agugacggcc	acugugacag	ccagugcaac	ucagccggcu	gccucuucga	cgccuuugac	4560
ugccagcgug	cggaaggcca	gugcaacccc	cuguacgacc	aguacugcaa	ggaccacuuc	4620
agcgacgggc	acugcgacca	gggcugcaac	agcgcgagag	gcgaguggga	cgggcuggac	4680
ugugcgagc	auguacccga	gaggcuggcg	gccggcacgc	uggugguggu	ggugcugaug	4740
ccgccggagc	agcugcgcaa	cagcuccuuc	cacuuccugc	gggagcucag	ccgcgugcug	4800
cacaccaacg	uggucuuaa	gcgugacgca	cacggccagc	agaugaucuu	ccccuacuac	4860
ggccgcgagg	aggagcugcg	caagcacccc	aucaagcgug	ccgccgaggg	cugggcccga	4920
ccugacgccc	ugcuggggcca	ggugaaggcc	ucgcugcucc	cugguggcag	cgaggguggg	4980
cggcggcgga	gggagcugga	ccccauggac	guccgcggcu	ccaucgucua	ccuggagauu	5040
gacaaccggc	agugugugca	ggccuccucg	cagugcuucc	agagugccac	cgacguggcc	5100
gcauuccugg	gagcgucugc	cucgcugggc	agccucaaca	uccccuacaa	gaucgaggcc	5160
gugcagagug	agaccgugga	gccgcccccg	ccggcgagc	ugcacuucuu	guacguggcg	5220
gcggccgccu	uugugcuucu	guucuucgug	ggcugcgggg	ugcugcuguc	ccgcaagcgc	5280
cggcggcagc	augggcagcu	cugguucccu	gagggcuuca	aagugucuga	ggccagcaag	5340
aagaagcggc	gggagccccu	cggcgaggac	uccguggggc	ucaagccccu	gaagaacgcu	5400
ucagacggug	cccucaugga	cgacaaccag	aaugaguggg	gggacgagga	ccuggagacc	5460
aagaaguucc	gguucgagga	gcccgugguu	cugccugacc	uggacgacca	gacagaccac	5520
cggcagugga	cucagcagca	ccuggaugcc	gcugaccugc	gcaugucugc	cauggccccc	5580
acaccgcccc	agggugaggu	ugacgccgac	ugcauggagc	ucaauguccg	cgggccugau	5640
ggcuucaccc	cgcucaugau	cgccuccugc	agcgggggcg	gccuggagac	gggcaacagc	5700
gaggaagagg	aggacgcgcc	ggccgucauc	uccgacuuca	ucuaccaggg	cgccagccug	5760
cacaaccaga	cagaccgcac	gggcgagacc	gccuugcacc	uggccgcccc	cuacucacgc	5820
ucugaugccg	ccaagcgccu	gcuggaggcc	agcgcagaug	ccaacaacca	ggacaacaug	5880
ggccgcaccc	cgcuugaucg	ggcugugucu	gccgacgcac	aaggugucuu	ccagauccug	5940

auccggaacc	gagccacaga	ccuggaugcc	cgcaugcaug	auggcacgac	gccacugauc	6000
cuggcugccc	gccuggccgu	ggagggcaug	cuggaggacc	ucaucaacuc	acacgccgac	6060
gucaacgccg	uagaugaccu	gggcaagucc	gcccugcacu	gggccgccgc	cgugaacaau	6120
guggaugccg	caguugugcu	ccugaagaac	ggggcuaaca	aagauaugca	gaacaacagg	6180
gaggagacac	cccuguuucu	ggccgcccgg	gagggcagcu	acgagaccgc	caaggugcug	6240
cuggaccacu	uugccaaccg	ggacaucacg	gaucuaugg	accgccugcc	gcgcgacauc	6300
gcacaggagc	gcaugcauca	cgacaucgug	aggcugcugg	acgaguacaa	ccuggugcgc	6360
agcccgcagc	ugcacggagc	cccgcugggg	ggcacgccc	cccugucgcc	cccgcucugc	6420
ucgcccacg	gcuaccuggg	cagccucaag	cccggcgugc	agggcaagaa	gguccgcaag	6480
cccagcagca	aaggccuggc	cuguggaagc	aaggaggcca	aggaccucaa	ggcacggagg	6540
aagaaguccc	aggacggcaa	gggcugccug	cuggacagcu	ccggcaugcu	cucgcccug	6600
gacucccugg	agucacccca	uggcuaccug	ucagacgugg	ccucgccgcc	acugcugccc	6660
uccccguucc	agcagucucc	guccgugccc	cucaaccacc	ugccugggau	gcccgcacac	6720
caccugggca	ucgggcaccu	gaacguggcg	gccaaagccc	agauggcggc	gcuggguggg	6780
ggcgcccgcc	uggccuuuga	gacuggccca	ccucgucucu	cccaccugcc	uguggccucu	6840
ggcaccagca	ccguccuggg	cuccagcagc	ggaggggccc	ugaauuucac	ugugggcggg	6900
uccaccaguu	ugaauugguca	augcgagugg	cugucccgcc	ugcagagcgg	cauggugccg	6960
aaccaauaca	accucucgcg	ggggagugug	gcaccaggcc	cccugagcac	acaggccccc	7020
ucccugcagc	auggcauggu	aggcccgcug	cacaguagcc	uugcugccag	cgcccugucc	7080
cagaugauga	gcuaccaggg	ccugcccagc	accggcgugg	ccaccagcc	ucaccuggug	7140
cagaccagc	aggugcagcc	acaaaacuua	cagaugcagc	agcagaaccu	gcagccagca	7200
aacauccagc	agcagcaaag	ccugcagccg	ccaccaccac	caccacagcc	gcaccuuggc	7260
gugagcucag	cagccagcgg	ccaccugggg	cggagcuucc	ugaguggaga	gccgagccag	7320
gcagacgugc	agccacuggg	ccccagcagc	cuggcggucc	acacuaucuu	gcccaggag	7380
agccccgccc	ugcccacguc	gcugccauc	ucgcuggucc	caccgcugac	cgcagcccag	7440
uuccugacgc	ccccucgca	gcacagcuac	uccucgccug	uggacaacac	ccccagccac	7500
cagcuacagg	ugccugagca	cccuuccuc	accccgucc	cugagucucc	ugaccagugg	7560
uccagcucgu	ccccgcauuc	caacgucucc	gacugguccg	agggcgucuc	cagcccucc	7620

accagcaugc	agucccagau	cgcccgcauu	ccggaggccu	ucaaguaaac	ggcgcgcccc	7680
acgagacccc	ggcuuccuuu	cccaagccuu	cgggcgucug	ugugcgucuc	guggaugcca	7740
gggccgacca	gaggagccuu	uuuaaaacac	auguuuuuau	acaaaauaag	aacgaggauu	7800
uuauuuuuuu	uuaguauuua	uuuauguacu	uuuauuuuac	acagaaacac	ugccuuuuua	7860
uuuauaugua	cuguuuuuau	uggccccagg	uagaaacuuu	uauauuuucu	gagaaaacaa	7920
gcaaguucug	agagccagg	uuuuccuacg	uaggaugaaa	agauucuuuc	guguuuuaua	7980
aaauuaaaca	aagauucaug	auuuauaaa	gccauuuauu	uauugauucc	uuuuuucaaa	8040
auccaaaaag	aaaugauguu	ggagaaggga	aguugaacga	gcauagucca	aaaagcuccu	8100
ggggcgucca	ggccgcgccc	uuuccccgac	gcccacccaa	ccccaaagcca	gcccggccgc	8160
uccaccagca	ucaccugccu	guuaggagaa	gcugcaucca	gaggcaaacg	gaggcaaagc	8220
uggcucaccu	uccgcacgcg	gauuaauuug	caucugaaau	aggaaacaag	ugaaagcaua	8280
uggguuagau	guugccaugu	guuuuagaug	guuucuuuca	agcaugcuug	ugaaaugug	8340
uucucggagu	guguaugcca	agagugcacc	caugguacca	aucaugaau	uuuguuucag	8400
guucaguauu	auguaguugu	ucguugguua	uacaaguucu	uggucccucc	agaaccaccc	8460
cgccccccug	cccguucuuu	aaauguaggc	aucaugcaug	ucaaaacuga	gaugugugga	8520
cuguggcacu	ugccuggguc	acacacggag	gcauccuacc	cuuuucuggg	gaaagacacu	8580
gccugggcug	accccgguug	cggccccagc	accucagccu	gcacaguguc	ccccagguuc	8640
cgaagaagau	gcuccagcaa	cacagccugg	gccccagcuc	gcgggacccg	accccccgug	8700
ggcucccgug	uuuuguagga	gacuugccag	agccgggcac	auugagcugu	gcaacgccgu	8760
gggcugcguc	cuuugguccu	gucccccagc	cccuggcagg	gggcaugcgg	ucgggcaggg	8820
gcuggagggga	ggcgggggcu	gcccuuuggc	caccccuccu	aguuuugggag	gagcagauuu	8880
uugcaauacc	aaguauagcc	uauggcagaa	aaaauugucg	uaaaauaugu	uuuaaaggug	8940
gauuuuguuu	aaaaaaucuu	aaugaaugag	ucuguugugu	gucaugccag	ugagggacgu	9000
cagacuuggc	ucagcucggg	gagccuuagc	cggccaugca	cuggggacgc	uccgcugccg	9060
ugccgccugc	acuccucagg	gcagccuccc	ccggcucuc	gggggcccgc	uggugccauc	9120
cccagggggc	augaccagau	gcgucccaag	auguugauuu	uuacuguguu	uuauaaaaua	9180
gaguguagu	uacagaaaaa	gacuuuaaaa	gugaucuaa	ugaggaacug	uagaugaugu	9240
auuuuuuuca	ucuuuuuugu	uaacugauuu	gcaauaaaaa	ugauacugau	ggugaaaaaa	9300
aaaaaaaaa						9309

<210> 13  
<211> 17  
<212> RNA  
<213> Artificial

<220>  
<223> Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-O-methyl modified

<220>

```

<221> misc_feature
<222> (10)..(10)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (11)..(11)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (12)..(12)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (13)..(13)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-O-methyl modified

<400> 13
cgagcuggac cacuggu

```

17

```

<210> 14
<211> 17
<212> RNA
<213> Artificial

<220>
<223> Synthetic

```

```

<220>
<221> misc_feature
<222> (1)..(1)
<223> Nucleotide is 2'-O-methyl modified

```

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (10)..(10)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (11)..(11)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (12)..(12)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature

<222> (13)..(13)  
 <223> Nucleotide is 2'-F modified  
  
 <220>  
 <221> misc\_feature  
 <222> (14)..(14)  
 <223> Nucleotide is 2'-O-methyl modified  
  
 <220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> Nucleotide is 2'-F modified  
  
 <220>  
 <221> misc\_feature  
 <222> (16)..(16)  
 <223> Nucleotide is 2'-O-methyl modified  
  
 <220>  
 <221> misc\_feature  
 <222> (17)..(17)  
 <223> Nucleotide is 2'-F modified

<400> 14  
 accagugguc cagcucg

17

<210> 15  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 15  
 gcgcucgccg cagaggcct t

21

<210> 16  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 16  
 ggccucgugc ggcgagcgct t

21

<210> 17  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 17

cuucgugggc ccgcgaugct t

21

<210> 18

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 18

gcaucgcggg cccacgaagt t

21

<210> 19

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 19

aagaacgccg ggacaugcct t

21

<210> 20

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 20

ggcauguccc ggcuucuut t

21

<210> 21

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 21

caugccacgu gguggaccgt t

21

<210> 22

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 22

cgguccacca cguggcaugt t

21

<210> 23

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 23

cggaguacaa gugccgcugt t

21

<210> 24

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 24

cagcggcacu uguacuccgt t

21

<210> 25

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 25

ugccggcagg augucaacgt t

21

<210> 26

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 26

cguugacauc cugccggcat t

21

<210> 27  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 27  
 gagggugugc acugcgaggt t

21

<210> 28  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 28  
 ccucgcagug cacacccuct t

21

<210> 29  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 29  
 ggaccaaca cuuacaccut t

21

<210> 30  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 30  
 agguguaagu guugggucct t

21

<210> 31  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 31

cugcaaggac ggcgucgcct t 21

<210> 32  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 32  
 ggcgacgccg uccuugcagt t 21

<210> 33  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 33  
 gcacguguau ugacgacgut t 21

<210> 34  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 34  
 acgucgucaa uacacguget t 21

<210> 35  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 35  
 cacguguauu gacgacguut t 21

<210> 36  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 36

aacgucguca auacacgugt t

21

<210> 37

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 37

acguguauug acgacguugt t

21

<210> 38

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 38

caacgucguc aauacacgut t

21

<210> 39

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 39

ggacgagugc ucacccagct t

21

<210> 40

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 40

gcugggugag cacucgucct t

21

<210> 41

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 41

ccaUCAAGCG ugCCGCCGAT t

21

<210> 42

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 42

ucGGCGGCAC gCUUGAUGGT t

21

<210> 43

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 43

ccGGuUCGAG gagCCCGUGT t

21

<210> 44

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 44

cacGGGcUCC ucGAACCGGT t

21

<210> 45

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 45

ccGGGacAUC acGGauCAUT t

21

<210> 46  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 46  
 augauccgug augucccggt t 21

<210> 47  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 47  
 gacaucgcac aggagcgcat t 21

<210> 48  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 48  
 ugcgcuccug ugcgauguct t 21

<210> 49  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 49  
 cagagcggca uggugccgat t 21

<210> 50  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 50

ucggcaccau gccgcucugt t 21

<210> 51  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 51  
 cauggugccg aaccaauact t 21

<210> 52  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 52  
 guauugguuc ggcaccaugt t 21

<210> 53  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 53  
 uggugccgaa ccaauacaat t 21

<210> 54  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 54  
 uuguauuggu ucggcaccat t 21

<210> 55  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 55

cucgccugug gacaacacct t

21

<210> 56

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 56

gguguugucc acaggcgagt t

21

<210> 57

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 57

gaccaguggu ccagcucgut t

21

<210> 58

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 58

acgagcugga ccacugguct t

21

<210> 59

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 59

cauuccaacg ucuccgacut t

21

<210> 60

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 60

agucggagac guuggaaugt t

21

<210> 61

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 61

auuccaacgu cuccgacugt t

21

<210> 62

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 62

cagucggaga cguuggaaut t

21

<210> 63

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 63

uuccaacguc uccgacuggt t

21

<210> 64

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 64

ccagucggag acguuggaat t

21

<210> 65  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 65  
 caacgucucc gacuggucct t

21

<210> 66  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 66  
 ggaccagucg gagacguugt t

21

<210> 67  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 67  
 acgucuccga cugguccgat t

21

<210> 68  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 68  
 ucggaccagu cggagacgut t

21

<210> 69  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (10)..(10)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (11)..(11)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature

```

<222> (12)..(12)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (13)..(13)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (20)..(21)
<223> nucleotides linked by phosphothioate

<400> 69
acgagcugga ccacugguct t

```

```

<210> 70
<211> 21
<212> DNA
<213> Artificial

```

```

<220>
<223> Synthetic

```

```

<220>

```

```
<221> misc_feature
<222> (1)..(1)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (2)..(2)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (3)..(3)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (4)..(4)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (5)..(5)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (6)..(6)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (7)..(7)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (8)..(8)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (9)..(9)
<223> Nucleotide is 2'-Fmethyl modified

<220>
<221> misc_feature
<222> (10)..(10)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (11)..(11)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (12)..(12)
```

```

<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (13)..(13)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-F methyl modified

<220>
<221> misc_feature
<222> (20)..(21)
<223> Nucleotide linked by phosphothioate

<400> 70
gaccaguggu ccagcucgut t

```

21

```

<210> 71
<211> 19
<212> DNA
<213> Artificial

<220>
<223> Synthetic

<220>
<221> misc_feature

```

<222> (1)..(1)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (10)..(10)  
<223> Nucleotide is 2'-F methyl modified

<220>  
<221> misc\_feature  
<222> (11)..(11)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (12)..(12)  
<223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (13)..(13)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (14)..(14)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (16)..(16)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (17)..(17)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (18)..(18)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> Nucleotide is 2'-O-methyl modified

<400> 71  
 cgagcuggac cacuggutt

19

<210> 72  
 <211> 19  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (2)..(2)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Nucleotide is 2'-F methyl modified

<220>

<221> misc\_feature

<222> (4)..(4)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (5)..(5)

<223> Nucleotide is 2'-F methyl modified

<220>

<221> misc\_feature

<222> (6)..(6)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (7)..(7)

<223> Nucleotide is 2'-F methyl modified

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (9)..(9)

<223> Nucleotide is 2'-F methyl modified

<220>

<221> misc\_feature

<222> (10)..(10)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (11)..(11)

<223> Nucleotide is 2'-F methyl modified

<220>

<221> misc\_feature

<222> (12)..(12)

<223> Nucleotide is 2'-O-methyl modified

<220>

<221> misc\_feature

<222> (13)..(13)

<223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (14)..(14)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (16)..(16)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (17)..(17)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (18)..(18)  
 <223> Nucleotide is 2'-O-methyl modified

<220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> Nucleotide is 2'-F methyl modified

<220>  
 <221> misc\_feature  
 <222> (20)..(21)  
 <223> Nucleotides linked by phosphothioate

<400> 72  
 accagugguc cagcucgtt

19

<210> 73  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 73  
 gcgcucgccg cagaggcct t

21

<210> 74  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 74

ggccucgugc ggcgagcgct t

21

<210> 75

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 75

cuucgugggc ccgcgaugct t

21

<210> 76

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 76

gcaucgcggg cccacgaagt t

21

<210> 77

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 77

aagaacgccg ggacaugcct t

21

<210> 78

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 78

ggcauguccc ggcguucuut t

21

<210> 79

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 79

caugccacgu gguggaccgt t

21

<210> 80

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 80

cgguccacca cguggcaugt t

21

<210> 81

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 81

cggaguacaa gugccgcugt t

21

<210> 82

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 82

cagcggcacu uguacuccgt t

21

<210> 83

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 83

ugccggcagg augucaacgt t

21

<210> 84  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 84  
 cguugacauc cugccggcat t 21

<210> 85  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 85  
 gagggugugc acugcgaggt t 21

<210> 86  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 86  
 ccucgcagug cacacccuct t 21

<210> 87  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 87  
 ggaccaaca cuuacaccut t 21

<210> 88  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 88

agguguaagu guugggucct t 21

<210> 89  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 89  
 cugcaaggac ggcgucgcct t 21

<210> 90  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 90  
 ggcgacgccg uccuugcagt t 21

<210> 91  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 91  
 gcacguguau ugacgacgut t 21

<210> 92  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 92  
 acgucgucaa uacacgugct t 21

<210> 93  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 93

cacguguauu gacgacguut t

21

<210> 94

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 94

aacgucguca auacacgugt t

21

<210> 95

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 95

acguguauug acgacguugt t

21

<210> 96

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 96

caacgucguc aaucacgugt t

21

<210> 97

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 97

ggacgagugc ucacccagct t

21

<210> 98

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 98

gcugggugag cacucgucct t

21

<210> 99

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 99

ccaaucaagcg ugccgccgat t

21

<210> 100

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 100

ucggcggcac gcuugauggt t

21

<210> 101

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 101

ccgguucgag gagcccuggt t

21

<210> 102

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 102

cacgggcucc ucgaaccggt t

21

<210> 103  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 103  
 ccgggacauc acggaucaut t

21

<210> 104  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 104  
 augauccgug augucccggt t

21

<210> 105  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 105  
 gacaucgcac aggagcgcat t

21

<210> 106  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 106  
 ugcgcuccug ugcgauquet t

21

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

<220>  
 <223> Synthetic

<400> 107

cagagcggca uggugccgat t 21

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

<220>  
 <223> Synthetic

<400> 108  
 ucggcaccau gccgcucugt t 21

<210> 109  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 109  
 cauggugccg aaccaauact t 21

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

<220>  
 <223> Synthetic

<400> 110  
 guauugguuc ggcaccaugt t 21

<210> 111  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 111  
 uggugccgaa ccaauacaat t 21

<210> 112  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>

<223> Synthetic

<400> 112

uuguauuggu ucggcaccat t

21

<210> 113

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 113

cucgccugug gacaacacct t

21

<210> 114

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 114

gguguugucc acaggcgagt t

21

<210> 115

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 115

gaccaguggu ccagcucgut t

21

<210> 116

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 116

acgagcugga ccacugguct t

21

<210> 117

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 117

cauuccaacg ucuccgacut t

21

<210> 118

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 118

agucggagac guuggaaugt t

21

<210> 119

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 119

auuccaacgu cuccgacugt t

21

<210> 120

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 120

cagucggaga cguuggaaut t

21

<210> 121

<211> 23

<212> DNA

<213> Artificial

<220>

<223> Synthetic

<400> 121

uuccaacguc uccgacuggd tdt

23

<210> 122  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 122  
 ccagucggag acguuggaat t 21

<210> 123  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 123  
 caacgucucc gacuggucct t 21

<210> 124  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 124  
 ggaccagucg gagacguugt t 21

<210> 125  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 125  
 acgucuccga cugguccgat t 21

<210> 126  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Synthetic

<400> 126

ucggaccagu cggagacgut t

21

<210> 127  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-O-methyl modified

```

<220>
<221> misc_feature
<222> (10)..(10)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (11)..(11)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (12)..(12)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (13)..(13)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (20)..(21)
<223> Nucleotides linked by phosphothioate

<400> 127
ugcguccug ugcgauuct t

```

<210> 128  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (4)..(4)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (7)..(7)  
<223> Nucleotide is 2'-F modified

<220>  
<221> misc\_feature  
<222> (8)..(8)  
<223> Nucleotide is 2'-O-methyl modified

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> Nucleotide is 2'-F modified

<220>

```

<221> misc_feature
<222> (10)..(10)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (11)..(11)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (12)..(12)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (13)..(13)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (14)..(14)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (15)..(15)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (16)..(16)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (17)..(17)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (18)..(18)
<223> Nucleotide is 2'-O-methyl modified

<220>
<221> misc_feature
<222> (19)..(19)
<223> Nucleotide is 2'-F modified

<220>
<221> misc_feature
<222> (20)..(21)
<223> Nucleotides linked by phosphothioate

<400> 128
gacaucgcac aggagcgcat t

```

