

SEQUENCE LISTING

<110> Oncomethylome Sciences S.A.
 Van Criekinge, Wim
 Deregowski, Valerie
 Dehaspe, Luc
 Wisman, G. Bea A.
 van der Zee, Ate G. J.
 Schuuring, E.M.D.

<120> DETECTION AND PROGNOSIS OF CERVICAL CANCER

<130> OMS08010-P0025

<150> 61/038,549
 <151> 2008-03-21

<160> 449

<170> PatentIn version 3.5

<210> 1
 <211> 19
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 1
 gtttggttcg ggtagcgt 19

<210> 2
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 2
 ttgcgtttta tttgtatttc gc 22

<210> 3
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 3
 ttttattgcg agtcgtcggt c 21

<210> 4
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 4
 tgtataggag tcgaagggac gta 23

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

<220>
 <223> -

<400> 5
 gttaggtaag tggtacggcg a 21

<210> 6
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 6
 atttaatgag gacggtaggt agc 23

<210> 7
 <211> 25
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 7
 tttaataataa gtcgggttac gttcg 25

<210> 8
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 8
 ttagggagta agtgcgtttg c 21

<210> 9
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 9
 tagacggtta cgagtaggcg gta 23

<210> 10
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 10
 tttttcgtat ttttaggaagt ggc 23

<210> 11
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 11
 tttggggttc gattatattt c 21

<210> 12
 <211> 19
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 12
 gttatttttc ggcgggttc 19

<210> 13
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 13
 tacgcgtagg ttttaagtcg c 21

<210> 14
 <211> 21
 <212> DNA
 <213> artificial

<220>

<223> -

 <400> 14
 tttgattttt gaaagcgtcg t 21

 <210> 15
 <211> 22
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 15
 tttttaggga agtaaagcgt cg 22

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

 <220>
 <223> -

 <400> 16
 tagtttggtta gtttagcgggt c 21

 <210> 17
 <211> 19
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 17
 atagggggag ttcggtacg 19

 <210> 18
 <211> 25
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 18
 cgtttttata gggtttttgggt tggac 25

 <210> 19
 <211> 23
 <212> DNA
 <213> artificial

 <220>
 <223> -

<400> 19
tagttgtatc ggtttaggcg ttt 23

<210> 20
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 20
gttatggcga tgcggtttc 19

<210> 21
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 21
gaaggtagcg tttttcgatg 20

<210> 22
<211> 24
<212> DNA
<213> artificial

<220>
<223> -

<400> 22
aatttttaggt tagagggtta tcgc 24

<210> 23
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 23
gagggggtag gaaagtcgc 19

<210> 24
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 24
gggacgattt ttcgttggtc 20

<210> 25
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 25
aatttcgttt gtagagtcgt cgt 23

<210> 26
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 26
gtcggtaagg tttggagagc 20

<210> 27
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 27
ttagaagtaa ttaggcgcg ttc 23

<210> 28
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 28
aatttgattt gtgtgtgtat cgc 23

<210> 29
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 29

gtttacgcga tttttgggac	20
<210> 30 <211> 19 <212> DNA <213> artificial <220> <223> -	
<400> 30 aggggtttttc ggagtcgtt	19
<210> 31 <211> 22 <212> DNA <213> artificial <220> <223> -	
<400> 31 aggcgtcgta tttatagcgt tt	22
<210> 32 <211> 20 <212> DNA <213> artificial <220> <223> -	
<400> 32 gtgggggtcg gtgtagtacc	20
<210> 33 <211> 23 <212> DNA <213> artificial <220> <223> -	
<400> 33 tataaaagggtttcggtta gtc	23
<210> 34 <211> 25 <212> DNA <213> artificial <220> <223> -	
<400> 34 aggaagtatt tattgcgtat gtttc	25

<210>	35	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	35	
	taattttaag gaggacgagg gtc	23
<210>	36	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	36	
	gttttgggag aggcggttc	19
<210>	37	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	37	
	ggtgtagcgt ttagggtcgt c	21
<210>	38	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	38	
	ggatagtcgg atcgagttaa cgtc	24
<210>	39	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	39	
	aggataggtg tgaatttcgg tttc	24

<210>	40	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	40	
	cgggtttgag ggtaatagaa tcg	23
<210>	41	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	41	
	gtgcggggta agaaggaac	19
<210>	42	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	42	
	gagagagaaa gcgggagttc	20
<210>	43	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	43	
	taggagcgtt gtttcggtc	19
<210>	44	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	44	
	tttagtgagg aagcgtatatt atc	23

<210>	45	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	45	
	gggatagtgg ggttgacgc	19
<210>	46	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	46	
	gcgtggggtt tcgtcgtag	19
<210>	47	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	47	
	cgggtttag ttaatatcga gg	22
<210>	48	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	48	
	tttgttcgtt tttcgattgt tc	22
<210>	49	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	49	
	cgttaatcgg ataagagtgc g	21
<210>	50	

<211>	26	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	50	
	gtatagtttc gtagtttgcg tttagc	26
<210>	51	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	51	
	ggtattgtta ttttgcgttt tc	22
<210>	52	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	52	
	gatttcgggt tgttatggc	19
<210>	53	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	53	
	gaaagaagga ggtttcggc	19
<210>	54	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	54	
	gttgtgagtt gcgtttttta cgtc	24
<210>	55	
<211>	19	

<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 55	
ggtcgtagtc gtagtcggg	19
<210> 56	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 56	
gaatttggtgta cgattttacg gag	23
<210> 57	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 57	
atttagtatt ggggcggagc	20
<210> 58	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 58	
agtagtagga atagaaacgg cga	23
<210> 59	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 59	
gaagttgggtt aggggtacggt c	21
<210> 60	
<211> 20	
<212> DNA	

<213>	artificial	
<220>		
<223>	-	
<400>	60	
	ggatcgttgg attttggttc	20
<210>	61	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	61	
	tttttagagt aaatagcggg agc	23
<210>	62	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	62	
	ttttatttat tcggggagtt gc	22
<210>	63	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	63	
	tcgtagggtt cgtagtcgtt t	21
<210>	64	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	64	
	gtcggttgac gttttgagat aagtc	25
<210>	65	
<211>	22	
<212>	DNA	
<213>	artificial	

<220>
 <223> -

<400> 65
 tcggatttcg ttttttagcgt at 22

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

<220>
 <223> -

<400> 66
 taggttggtt tggtttcggt c 21

<210> 67
 <211> 20
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 67
 gggattataa gtcgcgtcgc 20

<210> 68
 <211> 24
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 68
 ttagatttcg taaacggtga aaac 24

<210> 69
 <211> 25
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 69
 tggatggagt ttaggttata tcgtc 25

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

<220>
 <223> -

<400> 70
 aggagggatt gtcggattta c 21

<210> 71
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 71
 ttttttagatt tatcgagtgg cg 22

<210> 72
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 72
 cggtatcggt gtttaggagg c 21

<210> 73
 <211> 20
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 73
 agttgtttgg tattcgcggt 20

<210> 74
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 74
 gttagattga tttcgttcga gg 22

<210> 75
 <211> 25
 <212> DNA
 <213> artificial

<220>

<223> -

<400> 75
tagtagattt ttagcgggtga agacg 25

<210> 76
<211> 24
<212> DNA
<213> artificial

<220>
<223> -

<400> 76
ttcgggtttt tttgttttta attc 24

<210> 77
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 77
gtaagtgagt ttcgagtgtc gc 22

<210> 78
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 78
gaaaggtcgg atttgttttt c 21

<210> 79
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 79
agattttgtg gtttcgtcgt t 21

<210> 80
<211> 25
<212> DNA
<213> artificial

<220>
<223> -

<400> 80
gcggttttta aggagtttta ttttc 25

<210> 81
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 81
gagagattcg ggattcgtg 19

<210> 82
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 82
agtacgttgt ttcggagttt ttc 23

<210> 83
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 83
gcgtcgtttt gtatgggtat c 21

<210> 84
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 84
cgagtagtag ttgcgtcggg 20

<210> 85
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 85
tgtatgattt tagttcgcg at 22

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

<220>
<223> -

<400> 86
gcgggattta tttgttacgg a 21

<210> 87
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 87
attgcgtcgg gtttagtttc 20

<210> 88
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 88
gttagggaa agcggacga 19

<210> 89
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 89
gttcgtagtt cggggcggtt 19

<210> 90
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 90

ttatatttgcg agcggtttc	19
<210> 91	
<211> 25	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 91	
gatttgggagc tttttggttt ttcgc	25
<210> 92	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 92	
gtgggtttta agtttacggt ttc	23
<210> 93	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 93	
ggcggagttt gtatagaggc	20
<210> 94	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 94	
tttttgggtt tcgttgtttc	20
<210> 95	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 95	
ttcgtttcgt ttaggtatcg ttt	23

<210>	96	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	96	
	tttaggatta tagtgagcga cgg	23
<210>	97	
<211>	18	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	97	
	gcggttgaagt cgggggttc	18
<210>	98	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	98	
	ggtcgtttcg ttgttttata gc	22
<210>	99	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	99	
	ttacggttag tagaaggagt agcgt	25
<210>	100	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	100	
	tcgaggaaga agatgtcgaa g	21

<210>	101	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	101	
	gaggcgtaag taggcgaaa	19
<210>	102	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	102	
	gattagagcg agcgaacga	19
<210>	103	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	103	
	ggtttggttg tcgttttttag c	21
<210>	104	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	104	
	gtatttaggg tagcgggtcg	20
<210>	105	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	105	
	gcgttatggt gtttttatag cgt	23

<210>	106	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	106	
	ttgtaggcgg tttgtagtcg t	21
<210>	107	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	107	
	gaggatcggg ttaggttgc	19
<210>	108	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	108	
	aggggaagac gaagagcgt	19
<210>	109	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	109	
	tagcggagag gagattacgc	20
<210>	110	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	110	
	aggggtatatt ataggcgttt agc	23
<210>	111	

<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	111	
	gaagggtaat cgggtgtttt c	21
<210>	112	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	112	
	gatagggttt tgttttcggc	20
<210>	113	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	113	
	ttgtagtttt cgagttggag gtc	23
<210>	114	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	114	
	gtaggagtt cgtcggtag c	21
<210>	115	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	115	
	gagatgtttc gagggttgc	19
<210>	116	
<211>	23	

<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 116	
tttcgcgggtt ttttagattg ttc	23
<210> 117	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 117	
atcgtaggtt gggtttggtc	20
<210> 118	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 118	
tggttgcggtt gtttatcggt t	21
<210> 119	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 119	
gggtatttat tgcgacggat	20
<210> 120	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 120	
ggtttcgata gcgtagttgt ttc	23
<210> 121	
<211> 20	
<212> DNA	

<213> artificial	
<220>	
<223> -	
<400> 121	
gttcgttggg taaggcgttc	20
<210> 122	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 122	
taaggaattt tgtattcgga ggc	23
<210> 123	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 123	
gtggttagcg gatttcgagt	20
<210> 124	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 124	
tttcgtaggg ttcggtgtc	19
<210> 125	
<211> 22	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 125	
gtaggggttc gggggcgttg tt	22
<210> 126	
<211> 23	
<212> DNA	
<213> artificial	

<220>		
<223>	-	
<400>	126	
tttagttcgt tagtttcgtc ggt		23
<210>	127	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	127	
ttttgtggtt agtcgcggt		19
<210>	128	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	128	
gcgtcgttag atattttggt gc		22
<210>	129	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	129	
gtatggagcg ttttgcgat		19
<210>	130	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	130	
tgtgttatat cggttagttg agagc		25
<210>	131	
<211>	22	
<212>	DNA	
<213>	artificial	

<220>
 <223> -

<400> 131
 cgtttgtttt tatagggttcg gg 22

<210> 132
 <211> 20
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 132
 tgtatgcgga gaggtcgtag 20

<210> 133
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 133
 cctacttattc tctcccgctc g 21

<210> 134
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 134
 cttaacgaac gacttaaccg act 23

<210> 135
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 135
 tataaccgaac ttatcgctc cg 22

<210> 136
 <211> 19
 <212> DNA
 <213> artificial

<220>

<223> -

<400> 136
aaacaactcc gaacgacga 19

<210> 137
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 137
aaaaacgact acaactacga cga 23

<210> 138
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 138
aacaaactcg cttctacacg aa 22

<210> 139
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 139
atacgacgca aaaactatcg c 21

<210> 140
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 140
aaaaaccgat taacctacgc tc 22

<210> 141
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 141
ccttcttaaa acgacgacga a 21

<210> 142
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 142
ttcctcccga acctttacga 20

<210> 143
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 143
cgaaaactcc gaaaccgat 19

<210> 144
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 144
ctaataatcg ccccttcgc 19

<210> 145
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 145
tcccgaacta aacgaaaccc cg 22

<210> 146
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 146
acaccacgca cctatacgc 19

<210> 147
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 147
acgtaataact aaacccgaac gc 22

<210> 148
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 148
aaacctccga aataaccgtc 20

<210> 149
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 149
acaatttacc ccgctcgact 20

<210> 150
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 150
aaatctcgaa actcacctaa cga 23

<210> 151
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 151

ctaccttcgt acccttcgat t	21
<210> 152	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 152	
ccaacctaaa aaacgaccga	20
<210> 153	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 153	
aaataaaccc gatccgcaa	19
<210> 154	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 154	
accaatcaac aacgcgaac	19
<210> 155	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 155	
cgaaacgacc taaaaacctc g	21
<210> 156	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 156	
ttctactact ctcgctctcc gac	23

<210>	157	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	157	
tctatattaa	aaacttcgct	tcg
		23
<210>	158	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	158	
aaaataacaa	aaccgcgcg	
		20
<210>	159	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	159	
aaaccccgta	caataaccga	
		20
<210>	160	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	160	
gaaacgtaaa	aatatcgtcg	ca
		22
<210>	161	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	161	
aaaaacccta	cgaacacgac	t
		21

<210>	162	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	162	
	ttcctcaacc gtctccacg	19
<210>	163	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	163	
	tccccttact ttccgcgac	19
<210>	164	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	164	
	tccctactaa aaacgccgaa	20
<210>	165	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	165	
	aaattaacgt ccgctcatag g	21
<210>	166	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	166	
	ccatcactta tcctcgacgc	20

<210> 167	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 167	
ataaaactcca acgacgcgaa a	21
<210> 168	
<211> 22	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 168	
tcataataac gaaacgacga cc	22
<210> 169	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 169	
cgaatttttc ctacgtaacc g	21
<210> 170	
<211> 16	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 170	
ccctcccaaa cgccga	16
<210> 171	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 171	
aaacgaacga acaacaacga	20
<210> 172	

<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	172	
	cgccacaata acgtcgaaa	19
<210>	173	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	173	
	aaaaacaatc aaatacgaaa cgc	23
<210>	174	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	174	
	tcacaattac cccgaaacg	19
<210>	175	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	175	
	cacgaccccc taactccgt	19
<210>	176	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	176	
	aaacgctaaa accgcgaat	19
<210>	177	
<211>	20	

<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 177	
ataaaaaatcc cgacgaacga	20
<210> 178	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 178	
cccaaaaacta ctcgccgct	19
<210> 179	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 179	
ctctctcatt ctacgccggtt c	21
<210> 180	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 180	
taacgctata aaactcctac cgc	23
<210> 181	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 181	
aaaaccacgc gaaaaacga	19
<210> 182	
<211> 21	
<212> DNA	

<213>	artificial	
<220>		
<223>	-	
<400>	182	
	aactcgcgac tcgaatcccc g	21
<210>	183	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	183	
	cccgaaacaa actacacgac	20
<210>	184	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	184	
	ctaacttaac cgcacgctc	20
<210>	185	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	185	
	cccgataaat aataacattc acga	24
<210>	186	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	186	
	cgctaccgat atccgctaaa cg	22
<210>	187	
<211>	21	
<212>	DNA	
<213>	artificial	

<220>
 <223> -

<400> 187
 ccgcaaaaac ctaaaacgta a 21

<210> 188
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 188
 atctaaactt tccctatcga ccg 23

<210> 189
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 189
 taacgaaaac tacgacgacg a 21

<210> 190
 <211> 19
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 190
 aaaactacaa ccgccgaca 19

<210> 191
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 191
 aacttcttat acccgatcct cg 22

<210> 192
 <211> 20
 <212> DNA
 <213> artificial

<220>		
<223>	-	
<400>	192	
tatatcctcg	ccccacgtaa	20
<210>	193	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	193	
atacgctta	caaccctac g	21
<210>	194	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	194	
acaaaatcct	cgttctcgaa t	21
<210>	195	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	195	
tccaaattctt	tttccgcga	19
<210>	196	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	196	
accgtcttct	cgaacgacg	19
<210>	197	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		

<223> -

<400> 197
gaacacctac ctcaaactaa cgac 24

<210> 198
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 198
taaacgacga cctccatcg 19

<210> 199
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 199
cgaacgcaaa accgaaatcg 20

<210> 200
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 200
tctcctccga aaaacgctc 19

<210> 201
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 201
aaaatactac gaaaccgccc 20

<210> 202
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 202
gctccgaatc aaaattaacg a 21

<210> 203
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 203
cgaactcacc tctctaccga c 21

<210> 204
<211> 25
<212> DNA
<213> artificial

<220>
<223> -

<400> 204
cgtataacta ttacctcgaa acgct 25

<210> 205
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 205
cgacccctcc taactttcg 19

<210> 206
<211> 23
<212> DNA
<213> artificial

<220>
<223> -

<400> 206
aactaaaata cccgtactcc gct 23

<210> 207
<211> 25
<212> DNA
<213> artificial

<220>
<223> -

<400> 207
aaaaccttaa cgaaactaaa cgaaa 25

<210> 208
<211> 24
<212> DNA
<213> artificial

<220>
<223> -

<400> 208
gaaaaccata acgacgtact aacg 24

<210> 209
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 209
ctccgaaaac catacgccc 19

<210> 210
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 210
accatctcat cacgcctcg 19

<210> 211
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 211
atcccccgaa cattacgatt 20

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

<220>
<223> -

<400> 212

ctacgaaatt ccctttacgc t	21
<210> 213	
<211> 25	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 213	
gtaatccaaa aataaaaaact acgcc	25
<210> 214	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 214	
cttcacctac acctcgatac ccg	23
<210> 215	
<211> 19	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 215	
cccgataacc gcttcgtat	19
<210> 216	
<211> 22	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 216	
acaaacgacc ctaaaaacga ac	22
<210> 217	
<211> 22	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 217	
acgaatttta cctcaaacga cc	22

<210>	218	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	218	
aacccgaaac	tacgactacg	ac
		22
<210>	219	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	219	
gccccttacc	cataacgaac	
		20
<210>	220	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	220	
gaacgacaaa	caaaactcga	aa
		22
<210>	221	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	221	
gcgatcctat	caaatccgaa	
		20
<210>	222	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	222	
gaatactcta	attccacgcg	act
		23

<210>	223	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	223	
	gacttctcat accgcaatcg	20
<210>	224	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	224	
	cctaccctcg aaacaaacga	20
<210>	225	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	225	
	aacccgaatt acgcaaacg	19
<210>	226	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	226	
	cgcctcaata ataccgacc	19
<210>	227	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	227	
	cctctcgatt ccctacgttt	20

<210>	228	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	228	
	taaccgcctt taaccccga	19
<210>	229	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	229	
	cccgtacttc gctaacttta aacg	24
<210>	230	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	230	
	gcggtatata aatacccccg	20
<210>	231	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	231	
	ctacgaccaa actaaatccg aac	23
<210>	232	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	232	
	aaaaacccga acgaacgtaa	20
<210>	233	

<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	233	
	cgcatctaca aactccgaaa	20
<210>	234	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	234	
	taactactaa acccgaaccg aac	23
<210>	235	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	235	
	cgaaacatcg acaccttcgt	20
<210>	236	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	236	
	cgaaataaaa actaacaatc gcc	23
<210>	237	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	237	
	tcttcgataa ctctaccccg a	21
<210>	238	
<211>	22	

<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 238	
gacaatcatc catcaatcga aa	22
<210> 239	
<211> 21	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 239	
caattctaaa aacgcacgac t	21
<210> 240	
<211> 20	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 240	
cacgaactaa cgctacgcaa	20
<210> 241	
<211> 22	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 241	
gaccctaca tcttaacaac cg	22
<210> 242	
<211> 23	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 242	
tacctactcc gctaccaacg taa	23
<210> 243	
<211> 20	
<212> DNA	

<213>	artificial	
<220>		
<223>	-	
<400>	243	
	ctaattcgtc tatcccgtcc	20
<210>	244	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	244	
	atatttaccac gctacctcg	19
<210>	245	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	245	
	aaaacgatac gctaaaccgc	20
<210>	246	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	246	
	cacccgaatt acaaataccg a	21
<210>	247	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	247	
	ccgcaatatc actaaaccga	20
<210>	248	
<211>	27	
<212>	DNA	
<213>	artificial	

<220>		
<223>	-	
<400>	248	
catacctcaa taacaaacaa acaaacg		27
<210>	249	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	249	
aaaaacaaaa cacgcgaaa		19
<210>	250	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	250	
ttacctactt ccccgcgac		19
<210>	251	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	251	
ccgacgacaa ctaccgaaa		19
<210>	252	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	252	
ctacacccta aaaacgcgaa c		21
<210>	253	
<211>	22	
<212>	DNA	
<213>	artificial	

<220>
 <223> -

<400> 253
 cataaaaacga acacccgaac cg 22

<210> 254
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 254
 acctaacaaa ctacgaacgc ca 22

<210> 255
 <211> 22
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 255
 aactaaacaa cactccgaac ga 22

<210> 256
 <211> 23
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 256
 ccgaatactc tctaaaaccc gat 23

<210> 257
 <211> 21
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 257
 ccgtcgcctt cctccgacga a 21

<210> 258
 <211> 22
 <212> DNA
 <213> artificial

<220>

<223> -

<400> 258
tactactacg ccgcttacgt cc 22

<210> 259
<211> 25
<212> DNA
<213> artificial

<220>
<223> -

<400> 259
acgtaaaata aacaatcaac tatcg 25

<210> 260
<211> 21
<212> DNA
<213> artificial

<220>
<223> -

<400> 260
taacacccaa accgaaaaac g 21

<210> 261
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 261
aacgaatcca catacccgga 19

<210> 262
<211> 20
<212> DNA
<213> artificial

<220>
<223> -

<400> 262
cgctactcct taaaaacgcc 20

<210> 263
<211> 22
<212> DNA
<213> artificial

<220>
<223> -

<400> 263
acaacgaaat cgaaaatcgt aa 22

<210> 264
<211> 19
<212> DNA
<213> artificial

<220>
<223> -

<400> 264
accattcccg actcctcgt 19

<210> 265
<211> 101
<212> DNA
<213> artificial

<220>
<223> -

<400> 265
gtttggttcg ggtagcgtt aattcggttt tcgtggaagt cgtggcgaaa ggcgagaggg 60
gtaaaaagtt gagaaatagg cgagcgggag agataagtag g 101

<210> 266
<211> 110
<212> DNA
<213> artificial

<220>
<223> -

<400> 266
ttgcgtttta tttgtatttc gcgtcgtttc gcggttcgcg gttgattcgt ttttcggttt 60
gcgggttttt ggagttttat tttttagagt cgggttaagtc gttcgttaag 110

<210> 267
<211> 114
<212> DNA
<213> artificial

<220>
<223> -

<400> 267
ttttattgcg agtcgtcggc cgttgttatg gacgtttatt atagtccggc gtcgtagagt 60
cgggaggggtt cgtcgttttt tagggtatat ttcggaggcg ataagttcgg tata 114

<210> 268
<211> 106

<212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 268
 tgtataggag tcgaaggac gtattacgtt agtttttagtt cggtttttagc gatagttaac 60
 gtttttttgta gcgcggcggg ttcgaagtcg tcgttcggag ttgttt 106

 <210> 269
 <211> 95
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 269
 gttaggttaag tggtagcgcg agcgtaaggg aaggggtag ttattgatta gcggtagtaa 60
 ttgtaggaat cgtagtcgta gttgtagtcg ttttt 95

 <210> 270
 <211> 91
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 270
 atttaatgag gacggtagg agcgaggttt ttttcgaagt ttttcggcgt tatgagtagt 60
 taataggagt tcgtgtagaa gcgagtttgt t 91

 <210> 271
 <211> 117
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 271
 tttaataaa gtcgggttac gttcgagggt aataatatga ttaaaattat agtaggaatt 60
 ataataagga ataagattta ggttaaagta aatatagcga tagtttttgc gtcgtat 117

 <210> 272
 <211> 116
 <212> DNA
 <213> artificial

 <220>
 <223> -

<400> 272
ttagggagta agtgcgtttg cgcgcggtgt gcgtttttaa acgcgattta aggcgtcggg 60
tttggttgta attaattata aggtagtttc gtcgagcgt aggttaatcg gttttt 116

<210> 273
<211> 113
<212> DNA
<213> artificial

<220>
<223> -

<400> 273
tagacggtta cgagtaggcg gtaggttcgt tgtagggacg cgtttggtat cgcggcgttg 60
tcgttttagga gcggttttcg aagttttatt ttttcgtcgt cgttttaaga agg 113

<210> 274
<211> 107
<212> DNA
<213> artificial

<220>
<223> -

<400> 274
tttttcgtat tttaggaagt ggcgcggttt gtcgagggtta gcgtggagga ggaagaggag 60
gcgcggttta acgcgatcga agtttcgtcg taaagggttcg ggaggaa 107

<210> 275
<211> 101
<212> DNA
<213> artificial

<220>
<223> -

<400> 275
tttggggttc gattatattt cggtttagcgc gttttagggtt ttcgattttt ttagtaggt 60
gtttcgtatc gcggcgtag ggatcggttt cggagttttc g 101

<210> 276
<211> 115
<212> DNA
<213> artificial

<220>
<223> -

<400> 276
gttatttttc ggcggttcg tttttttttt ttgggtttta gtttttattt tttatggtcg 60
ttcggggcgt ttttagttgt ttaggttaga gaggtggcga aggggcgatt attag 115

<210> 277
<211> 113
<212> DNA
<213> artificial

<220>
<223> -

<400> 277
tacgcgtagg ttttaagtcg cggttaatgg gcgacgcggt cgtagattcg ttcggtttcg 60
ttttgttttg tgagtttttt cggtcggggt gcgggggttc gtttagttcg gga 113

<210> 278
<211> 95
<212> DNA
<213> artificial

<220>
<223> -

<400> 278
tttgattttt gaaagcgtcg ttgcgttttc cgtcgcgggt aggtagggcg ggatttttag 60
gaggatcggg agaggcgcgt ataggtgcgt ggtgt 95

<210> 279
<211> 119
<212> DNA
<213> artificial

<220>
<223> -

<400> 279
tttttaggga agtaaagcgt cgttttcgtc gtaggtatcg agacgtcggt tagatggaag 60
aaattttgga gatgcgcgtt tttatatcgg tgtcgcggcg ttcgggttta gtattacgt 119

<210> 280
<211> 101
<212> DNA
<213> artificial

<220>
<223> -

<400> 280
tagtttggtg gttagcgggt cggggcggtt agttttattt tttagagcgt tgcggttttg 60
tgtttgaagg ttaaatagtt tgacggttat ttcggagggt t 101

<210> 281
<211> 106
<212> DNA

<213> artificial

<220>

<223> -

<400> 281

atagggggag ttcggtacgg cgcgggcgtt taggagagaa ggaataataa atggatgagg 60

gggatgttta gggttgtttt cgggatagtc gagcggggta aattgt 106

<210> 282

<211> 90

<212> DNA

<213> artificial

<220>

<223> -

<400> 282

cgtttttata gggtttttgt tggacgtcgt cgtcgtcgtt gttatcgttt ttgatttaag 60

ttatttttcg ttaggtgagt ttcgagattt 90

<210> 283

<211> 120

<212> DNA

<213> artificial

<220>

<223> -

<400> 283

tagttgtatc ggttttaggcg ttttggtggg gtgggaagga ttcgagtcgt atttgaatga 60

aggttagttt ttttttaaga tattaattag gtagggagaa atcgaagggt acgaaggtag 120

<210> 284

<211> 152

<212> DNA

<213> artificial

<220>

<223> -

<400> 284

gttatggcga tgcggtttcg gagagcgtac gtttgtcgcg gtcggtatgg aaacgttttc 60

gttaggttcg ggggcgtcgt tgattggtcg atttaataga cgcgggtggg tagtttagtc 120

gtatcgtaa gttcggtcgt tttttaggtt gg 152

<210> 285

<211> 96

<212> DNA

<213> artificial

<220>

<223> -

<400> 285
gaaggtacgc tttttcgatg gtgagtaggt tttgtaggac gcggtcgttt cggagtaggt 60
tgccggtttcg tacggttttg cggatcgggt ttattt 96

<210> 286
<211> 92
<212> DNA
<213> artificial

<220>
<223> -

<400> 286
aatttttaggt tagagggtta tcgcgtttat gcgaggtcgg gtgggcgggt cgtagtttc 60
gttttgggga ggggttcgcg ttgttgattg gt 92

<210> 287
<211> 94
<212> DNA
<213> artificial

<220>
<223> -

<400> 287
gagggggtag gaaagtcgcg ttcgtttttt attatttatt ttttattttt attattgggg 60
ggttcggagc gcgcgaggtt tttaggtcgt ttcg 94

<210> 288
<211> 91
<212> DNA
<213> artificial

<220>
<223> -

<400> 288
gggacgattt ttcgttggtc ggggttttcg aacggcgggg gcgggagggc gtaatttatt 60
cggagcgcgt cggagagcga gagtagtaga a 91

<210> 289
<211> 92
<212> DNA
<213> artificial

<220>
<223> -

<400> 289
aatttcgttt gtagagtcgt cgtcgtcgtc gtcgtcggag gagcgagtcg attttttttt 60

tttttttttc gaagcgaagt ttttaatat ga	92
<210> 290	
<211> 82	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 290	
gtcggtaagg tttggagagc ggttgggttc gcgggattcg cgggtttgta ttcgtttaga	60
ttcggacggg ttttgttatt tt	82
<210> 291	
<211> 90	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 291	
ttagaagtaa tttaggcgcg ttcgttggtt tttgagcgtt aggaaaagtt cggagttaac	60
gatcggtcgt tcggttattg tacgggggtt	90
<210> 292	
<211> 108	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 292	
aatttgattt gtgtgtgtat cgcgttttta gcgatttcgg atttattgcg ttgttagggg	60
tttgggggtg ggttttttgt tgtttttgcg acgatatttt tacgtttc	108
<210> 293	
<211> 103	
<212> DNA	
<213> artificial	
<220>	
<223> -	
<400> 293	
gtttacgcga tttttgggac gtcggagata acgggggttt tgggaaggcg cggagttcgg	60
ggaagtcggg gatgtgcgcg tgagtcgtgt tcgtaggggtt ttt	103
<210> 294	
<211> 100	

<212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 294
 aggggtttttc ggagtcgttt attaggggtt tttgggggtt cggtttcgat tgggtagggg 60
 gatttgata gggtttcgga gcgtggagac ggttgaggaa 100

 <210> 295
 <211> 103
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 295
 aggcgtcgta tttatagcgt tttgttcgcg tatatatattt ttttgggggtt ggttgtaaata 60
 ttgtatgatt tacgtttaaa gaatgtcgcg gaaagtaagg gga 103

 <210> 296
 <211> 117
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 296
 gtgggggtcg gtgtagtattc ggggttggggg cgtcggggggg cgtattatta ttacgaatag 60
 ttgtgttggt tttaggagag attttgaggt gcggtcgttc ggcgttttta gtaggga 117

 <210> 297
 <211> 106
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 297
 tataaaagggt gttcgggtta gtcgtcggag tagacgggag ttttttttcg gggtcggagt 60
 aggaggtacg cggagtgtga gggttacgtat gagcggacgt taattt 106

 <210> 298
 <211> 80
 <212> DNA
 <213> artificial

 <220>
 <223> -

<400> 298
aggaagtatt tattgcgtat gtttcgtagt ttgggatggt gaggttgtga gcggagggcga 60
gcgtcgagga taagtgatgg 80

<210> 299
<211> 112
<212> DNA
<213> artificial

<220>
<223> -

<400> 299
taattttaag gaggacgagg gtcggttgtc gggcgcgggc gagaaaggtg aggagggggcg 60
taggcggtcg cggggtgggg gcgagcgtat atttcgcgtc gttggagttt at 112

<210> 300
<211> 86
<212> DNA
<213> artificial

<220>
<223> -

<400> 300
gttttgagg aggcggttcg ggttcgcgtt ttagttttcg tcgtcgtcgt cgttgggttc 60
gagcggtcgt cgtttcgtta ttatga 86

<210> 301
<211> 84
<212> DNA
<213> artificial

<220>
<223> -

<400> 301
ggtgtagcgt ttagggtcgt cgtaggtcgg gggtaggggt tttagcgggt ttttcgcggt 60
tagcggttac gtaggaaaaa ttcg 84

<210> 302
<211> 98
<212> DNA
<213> artificial

<220>
<223> -

<400> 302
ggatagtcgg atcgagttaa cgtcggggat tttgtttttt tcgcggaggg gattcggtaa 60
ttcgtagcgg tagggtttgg ggtcggcgtt tgggaggg 98

<210> 303
 <211> 93
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 303
 aggataggta tgaatttcgg tttcggaagg cggttattat tttttttggt tttcggtttt 60

 ttcgttttcg ttttcgttgt tgttcgttcg ttt 93

 <210> 304
 <211> 82
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 304
 cgggtttgag ggtaatagaa tcgatagttt taagtgggta aaggggtggtt aaataggagt 60

 ggtttttcgac gttattgtgg cg 82

 <210> 305
 <211> 107
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 305
 gtgcggggta agaaggaacg gaagcgggtgc gatttatagg gttggggttt tttgtatttt 60

 gggttacgtt tttttggcga gaaagcgttt cgtatttgat tgttttt 107

 <210> 306
 <211> 120
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 306
 gagagagaaa gcgggagttc gcggcgagcg tagcgtaagt tcgtttttta ggtatcgttg 60

 cgttggtagc gattcgttgt tttttgtgag ttaggggata acgtttcggg gtaattgtga 120

 <210> 307
 <211> 101
 <212> DNA

<213> artificial

<220>

<223> -

<400> 307

taggagcgtt gtttcggtcg tttcggaggg tcgtatcggt gtttttcgaa gagttcgttt 60

cggttttttc gattaatatt ggacggagtt agggggtcgt g 101

<210> 308

<211> 83

<212> DNA

<213> artificial

<220>

<223> -

<400> 308

tttaggtggg aagcgtattt atcggacggt cggttcgggt aggcgtagcg ttttagattg 60

gcgtattcgc ggttttagcg ttt 83

<210> 309

<211> 113

<212> DNA

<213> artificial

<220>

<223> -

<400> 309

gggtagtggt ggttgacgcg tggtttcggc gtcgcgcggt ttttcgaatt tcgagtttcg 60

cgttcggcgc ggtcgggggt tttaatcggt ttttcggttcg tcgggatttt tat 113

<210> 310

<211> 83

<212> DNA

<213> artificial

<220>

<223> -

<400> 310

gcgtgggttt tcgtcgtagt ttcgcggagt ttcggtgttt tttgtaatag ggggcggggg 60

gaatagcggc gagtagtttt ggg 83

<210> 311

<211> 91

<212> DNA

<213> artificial

<220>

<223> -

<400> 311
 cgggttgtag ttaatatcga ggggtgtagtg cggggggagg cgggggtcgc ggttggggga 60
 ggggaggcgg gaacggcgta gaatgagaga g 91

<210> 312
 <211> 95
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 312
 tttgttcgtt tttcgattgt tcgttttttcg gggttcgggc gtattttttt aggtaggagt 60
 agttgtggcg gcgcggtagg agttttatag cgtta 95

<210> 313
 <211> 92
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 313
 cgttaatcgg ataagagtgc gcgcgggatt cgtttttttt tttcgggtatc gttttcgttt 60
 tcgttttttc ggttcgtttt tcgcgtggtt tt 92

<210> 314
 <211> 136
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 314
 gtatagtttc gtagtttgcg ttttagcggag gtgtagtcgg ggtcgcgtat tttcgttttcg 60
 tttttgtacg tgatttttat aggttagtta gcgttttagg gtcgagttgt tgggtcgggg 120
 attcgagtcg cgagtt 136

<210> 315
 <211> 94
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 315
 ggtattgtta ttttgcgttt tcggagtcgt tgggtgggcga taagttttcg tttatttttt 60

tttatgtgcg agttgtcgtg tagtttgttt cggg 94

<210> 316
 <211> 96
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 316
 gatttcgggt tgttatggcg atttttaata atttgatttt tattaattgt agttggtggt 60
 ttattttcgc gttggagagc gatgcggtta agttag 96

<210> 317
 <211> 114
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 317
 gaaagaagga ggtttcggcg cggcggtttt ttttcgttta gtattatatg gtttcgtcga 60
 gtttgttttt tttttttttt ttttttcggt tcgtgaatgt tattatttat cggg 114

<210> 318
 <211> 72
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 318
 gttgtgagtt gcgtttttta cgtcggtttc gcgttttagg gggtgttgag cgttttagcgg 60
 atacggttag cg 72

<210> 319
 <211> 90
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 319
 ggtcgtagtc gtagtcggga gattgagggg tagggcgcgg tcgcgggggt ttttgggtcg 60
 gggcgcggtt tacgttttag gtttttgcgg 90

<210> 320
 <211> 108

<212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 320
 gaatttggtta cgattttacg gagatttcgt ttttttttagc gtagttttcg ttattgagcg 60
 cgggattaac gtaggcgatg tcgggcgggc gatagggaaa gtttagat 108

 <210> 321
 <211> 94
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 321
 atttagtatt ggggcggagc ggggcgggat tatttttata aggttcggag gtcgcgaggt 60
 tttcgttgga gtttcgtcgt cgtagttttc gtta 94

 <210> 322
 <211> 107
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 322
 agtagtagga atagaaacgg cgacggcggc ggcggggtag gcggaggtag ggtagcggtt 60
 gggttttaga tgatgttgag gttttttttg tcggcgggtg tagtttt 107

 <210> 323
 <211> 100
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 323
 gaagttggtt aggggtacgt cgtgagcgga gcgggtaggg ttttttttagg agcgcgggcg 60
 aggtcggcgt tggaggggag aggatcgggt ataagaagtt 100

 <210> 324
 <211> 112
 <212> DNA
 <213> artificial

 <220>
 <223> -

<400> 324
ggatcgttgg attttggttc gagtattcgt tttcgttacg tggtaagttt gcgtggaaag 60
gataggtgag gtttcgtttt tttgtggttg gtttacgtgg ggcgaggata ta 112

<210> 325
<211> 88
<212> DNA
<213> artificial

<220>
<223> -

<400> 325
tttttagagt aaatagcggg agcgtatttg gggatattat tatttacgtt tgttttttga 60
tttaacgcgt aggggttgta aggcgtat 88

<210> 326
<211> 89
<212> DNA
<213> artificial

<220>
<223> -

<400> 326
ttttattat tcggggagtt gcgggtggga ggtggggacg agagttgagt ttttatcggt 60
ttttgtatat tcgagaacga ggattttgt 89

<210> 327
<211> 110
<212> DNA
<213> artificial

<220>
<223> -

<400> 327
tcgtagggtt cgtagtcgtt tagaatggaa gggtaagagg tttaaatatg cggttaaaga 60
attcgttcgc gttcggcggg tttggcgcggt ttcgcggaaa aagatttgga 110

<210> 328
<211> 105
<212> DNA
<213> artificial

<220>
<223> -

<400> 328
gtcggttgac gttttgagat aagtcggaaa agggtcgggt tcgtcgaagg tcgcgtaatt 60
tatttggtcg ttgaggagga aagagtcgtc gttcgagaag acggt 105

<210> 329
<211> 95
<212> DNA
<213> artificial

<220>
<223> -

<400> 329
tcggaatttcg ttttttagcgt atgttattag tattttatta gttgttcggt cgggtttcgg 60
aggtagttaa cgtcgttagt ttgaggtagg tgttc 95

<210> 330
<211> 90
<212> DNA
<213> artificial

<220>
<223> -

<400> 330
taggttggtt tggtttcggt cgttttagagt tttcgttgat tttttgttta tttcgggttt 60
ttagttcgtc gcgatggagg tcgtcgttta 90

<210> 331
<211> 91
<212> DNA
<213> artificial

<220>
<223> -

<400> 331
gggattataa gtcgcgtcgc gttgtcgttg gtttttttagt aatttttcgat atggcgttga 60
ggcggttatc gcgatttcgg ttttgcgttc g 91

<210> 332
<211> 96
<212> DNA
<213> artificial

<220>
<223> -

<400> 332
ttagatttcg taaacggtga aaacggattt aggcgatcga tatagtagag tcgcggtcgt 60
cggcggtttt gggtcgcgag cgtttttcgg aggaga 96

<210> 333
<211> 97
<212> DNA

<213> artificial
 <220>
 <223> -
 <400> 333
 tggatggagt ttaggttata tcgtcgagtt gtttgtgctt gttatTTTTg gaagttattt 60
 cgtgtgttaa ttatgtaggg cggtttcgta gtatttt 97
 <210> 334
 <211> 85
 <212> DNA
 <213> artificial
 <220>
 <223> -
 <400> 334
 aggagggatt gtcggattta cgcggcggtt cgttttttgt ttagtcgtaa ggttgttttc 60
 gtagtcgtta attttgattc ggagc 85
 <210> 335
 <211> 103
 <212> DNA
 <213> artificial
 <220>
 <223> -
 <400> 335
 ttttttagatt tatcgagtgg cggcggaggc gagatgcgcg ggggcgtgtt tttggttttg 60
 ttgttgtgtg tcgtcgcgta gtgtcggtag agaggtgagt tcg 103
 <210> 336
 <211> 105
 <212> DNA
 <213> artificial
 <220>
 <223> -
 <400> 336
 cggtatcgtt gtttaggagg cgtcgatatt ttcgtaaagg tttagtcggg gtgaggggta 60
 ttggggggcg atcgggttag agcgtttcga ggtaatagtt atacg 105
 <210> 337
 <211> 106
 <212> DNA
 <213> artificial
 <220>
 <223> -

<400> 337
 agttgtttgg tattcgcggt ttttaaaggg gaaagaaagt tgcgttcgcg ttaggcgtag 60
 cgcgttcggc ggacgcggtt tttcgggcga aagttaggag gggtcg 106

<210> 338
 <211> 120
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 338
 gtttagattga tttcgttcga ggaggacgtg gtttatagaa aataaaaacg gggtttaaatt 60
 tacgtgaggg aaggagaaat ttttaattaa ggagggcgagc ggagtacggg tatttttagtt 120

<210> 339
 <211> 120
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 339
 tagtagattt ttagcgggtga agacgtagag tatcggggtg acgttagaat tgaagaaggt 60
 taaggtcgta gttttcgttc gcgtcgtttg gtcggtttcg tttagtttcg ttaagggtttt 120

<210> 340
 <211> 139
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 340
 ttcgggtttt tttgttttta attcgcgcgc gggggcgttt aggttattgg gtttcgcgga 60
 gtttagcgaga ggtttgccgcg gagtttgagc ggcgttcggt tcgttttaag gtcgacgtta 120
 gtacgtcggt atggttttc 139

<210> 341
 <211> 81
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 341
 gtaagtgagt ttcgagtgtc gcgttttagt tttttttcgc ggcggtaagg gacgtacggg 60

tcgggcgat ggttttcgga g 81

<210> 342
<211> 113
<212> DNA
<213> artificial

<220>
<223> -

<400> 342
gaaaggctcg atttgttttt cgagggctga gttagttttt gtagatgggt gtagtttttag 60
ttatgagtgt tatttttttt ttgtttttat agggcgaggc gtgatgagat ggt 113

<210> 343
<211> 89
<212> DNA
<213> artificial

<220>
<223> -

<400> 343
agattttgtg gtttcgtcgt taattttttt tagttcgggt tagaatagga gattagtta 60
ggttcgttga atcgtaatgt tcgggggat 89

<210> 344
<211> 99
<212> DNA
<213> artificial

<220>
<223> -

<400> 344
gcggttttta aggagtttta ttttcgggat taaatggttc gtaaggtttg gggtagcggc 60
gttgtaggag atgagtttag cgtaaagga atttcgtag 99

<210> 345
<211> 92
<212> DNA
<213> artificial

<220>
<223> -

<400> 345
gagagattcg ggattcgtgt gtttttcggg gtttaaaggc gttgggcggg cggttgtttt 60
cgggagaggc gtagttttta tttttggatt ac 92

<210> 346
<211> 90

<212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 346
 agtacgttgt ttcggagttt ttcggcgctcg tcggcggtta cggacgcggc gtatatgtcg 60
 gcgtttacgg gtatcgaggt gtagatgaag 90

 <210> 347
 <211> 89
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 347
 gcgtcgtttt gtatgggtat cgcgggtagc gggtagtcgg cgtgtatcgt ttttgggggt 60
 agtgtcgtgt atacgaagcg gttatcggg 89

 <210> 348
 <211> 113
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 348
 cgagtagtag ttgcgtcggg attacggttc ggtgagtggc cgttgctcgtt tttacggagt 60
 agtgggtaga gaggggtagt ggaggaggga agttcgtttt tagggtcgtt tgt 113

 <210> 349
 <211> 124
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 349
 tgtatgattt tagttcgcgg ataagtgggt gtgttagggc cgtttttaga gggtcggggc 60
 tttttcgttt ggttaaattt tagattcgtt tattgggggt tgggtcgttt gaggtaaaat 120
 tcgt 124

 <210> 350
 <211> 119
 <212> DNA
 <213> artificial

<220>

<223> -

<400> 350

gcgggattta tttgttacgg atttagttat ttcgttaaga tttttttttt attttcgagc 60

gttttagttg gcgggggttg ggagtcgtag tttcgcggtc gtagtcgtag tttcggggtt 119

<210> 351

<211> 81

<212> DNA

<213> artificial

<220>

<223> -

<400> 351

attgcgtcgg gtttagtttc gggtatttcg gttatttcgg cgtaggtag ttggtcgggtt 60

cgttcgttat gggttaagggg c 81

<210> 352

<211> 83

<212> DNA

<213> artificial

<220>

<223> -

<400> 352

gtttagggaa agcggacgag agggaagggg ggtaggcgga ttcgatttat tttattagtt 60

ttttcgagtt ttgtttgtcg ttc 83

<210> 353

<211> 100

<212> DNA

<213> artificial

<220>

<223> -

<400> 353

gttcgtagtt cggggcggtg gggagggcgc ggttggttt gcgggggttat aagaaggtag 60

tcggattttc gtatcgtagg ttcggatttg ataggatcgc 100

<210> 354

<211> 114

<212> DNA

<213> artificial

<220>

<223> -

<400> 354

ttattttgcg agcggtttcg cgatacgagg tagtcgtttt cgtttttcga cgcggttatg 60

ggttcgggtcg gcgcgggggt aagttagagc gagtcgctg gaattagagt attc 114

<210> 355
<211> 75
<212> DNA
<213> artificial

<220>
<223> -

<400> 355
gatttgggcg tttttggtt ttcgcggtt cgagttttcg ataaatttt tgcgtcgatt 60
gcggtatgag aagtc 75

<210> 356
<211> 114
<212> DNA
<213> artificial

<220>
<223> -

<400> 356
gtgggtttta agtttacggt ttcgtagatt ttgattttta gaaggttatt gaatattatt 60
atggtcgggg cgaggagtgg gggtcgggg tatttcgttt gtttcgaggg tagg 114

<210> 357
<211> 119
<212> DNA
<213> artificial

<220>
<223> -

<400> 357
ggcggagttt gtatagaggc ggagtcgcgg tagtcggaga gaacgtttta gtaatagtcg 60
ttaggaggaa gttttaggag tttttgtcgt ttacggaacg cgtttgcgta attcgggtt 119

<210> 358
<211> 110
<212> DNA
<213> artificial

<220>
<223> -

<400> 358
tttttgggtt tcgttgtttc gagttggcgt cgttcgcgcg tttcgtcgta ttgatagcgg 60
cgcgagtttc gtaatcgca gttttgtttt cggtcggtat tattgaggcg 110

<210> 359

<211> 84
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 359
 ttcgtttcgt ttaggtatcg tttttgggtt aatttatatt cggcgcggttc ggttgtagcg 60
 ggagaaacgt agggaatcga gagg 84

 <210> 360
 <211> 104
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 360
 tttaggatta tagtgagcga cgggagagga gggatgggga aagttagaat tggcgagaag 60
 gaaatggtta gattagaagt agaggtcggg gttaaaggcg gtta 104

 <210> 361
 <211> 75
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 361
 gcgttgaagt cgggggttcgt tttgtgggtt cggttcggttc gcgtttgtta gcgtttaaag 60
 ttagcgaagt acggg 75

 <210> 362
 <211> 103
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 362
 ggtcgtttcg ttgttttata gcgtcggggg gaggggggtcg cgttttcgta atcgcgcggg 60
 gtgaaagatc gaaggggagg cgtcgggggt atttgtataa cgc 103

 <210> 363
 <211> 110
 <212> DNA
 <213> artificial

 <220>

<223> -

<400> 363
ttacggtag tagaaggagt agcgtatttc gtagagaggt tcggacggtc gttatgttcg 60
ggtcgggacg ttttagagtc gcgggatgtt cggatttagt ttggtcgtag 110

<210> 364
<211> 101
<212> DNA
<213> artificial

<220>
<223> -

<400> 364
tcgaggaaga agatgtcgaa gattacggtg agtgagagta cgtatatgat cgcgatttgt 60
attacgcgta ttatgtatag gttacgttcg ttcgggtttt t 101

<210> 365
<211> 94
<212> DNA
<213> artificial

<220>
<223> -

<400> 365
gaggcgtaag taggcgaaat tttagtatat taattcggag gaggattagg gcgagtagta 60
gtcgtagtag tagatttcgg agtttgtaga tgcg 94

<210> 366
<211> 120
<212> DNA
<213> artificial

<220>
<223> -

<400> 366
gattagagcg agcgaacgaa tcgcggcggg tcggagagtt tcgagcgtag cgtaggattt 60
gggtacgtcg cgaggaatcg tgtagtttag cgcggtcggt cggttcgggt ttagtagtta 120

<210> 367
<211> 111
<212> DNA
<213> artificial

<220>
<223> -

<400> 367
ggtttgttgg tcgttttttag cgaaggcgta gtagatgtcg atggcggtcg agatgattag 60

tatgttcgcg aatattacgt agttttatat tacgaagggtg tcgatgtttc g 111

<210> 368
<211> 101
<212> DNA
<213> artificial

<220>
<223> -

<400> 368
gtatttaggg tagcgggtcg atttttcgag gttttatatt tgggtttgag gggcgcggtt 60
cgtagcggcg ggtgtagggg cgattgttag tttttatttc g 101

<210> 369
<211> 111
<212> DNA
<213> artificial

<220>
<223> -

<400> 369
gcgttatggg gtttttatag cgtttcgttc gcgagttaga cggtagtagt cgttgattat 60
tttcgttcgg ggtcgttttt aggtgtagtt tcggggtaga gttatcgaag a 111

<210> 370
<211> 113
<212> DNA
<213> artificial

<220>
<223> -

<400> 370
ttgtaggcgg tttgtagtcg ttgagtggtc gtcgggagag ggggggttcg gcgggggagg 60
gcgggggagga gtttggtttt ggatgtgtgt ttttcgattg atggatgatt gtc 113

<210> 371
<211> 88
<212> DNA
<213> artificial

<220>
<223> -

<400> 371
gaggatcggg ttaggttcg gcggagtcga gggcgaggga gaggtcgcgt gagtgagtag 60
agtttagagt cgtgcgtttt tagaattg 88

<210> 372
<211> 83

<212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 372
 aggggaagac gaagagcgta ttttatagt ttttcggtgt tgcgggggat atttttgggt 60
 acgttgcgta gcgttagttc gtg 83

 <210> 373
 <211> 94
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 373
 tagcggagag gagattacgc gttttttggt ttttaaggat gaatttggcg gtaaaagagt 60
 tggggttttt aacggttggt aagatgtagg ggtc 94

 <210> 374
 <211> 96
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 374
 aggggtatth atagcgtht agcgttgctg gggatgtttc gaggaatcgc gcggaggtth 60
 agttcgtggt agtttacgtt ggtagcggag taggta 96

 <210> 375
 <211> 87
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 375
 gaagggtaat cgggtgtttt cggcgtcgtt cggggttttg agggttgggt agggtttagg 60
 tcggggggga cgggatagac gaattag 87

 <210> 376
 <211> 116
 <212> DNA
 <213> artificial

 <220>
 <223> -

<400> 376
gatagggttt tgttttcggc ggggtgtggag atagttgggg cggaggaggg tgtgttaggg 60
cgcgttttaa gagggtttgg cggtagaaag tggaattcga ggtagcgggg taaaat 116

<210> 377
<211> 115
<212> DNA
<213> artificial

<220>
<223> -

<400> 377
ttgtagtttt cgagttggag gtcgttgagg atcgagcgta ggaggaagga gatagcgcgt 60
agcggcggtc ggcgaggaga tagtatattt cgggtcgggt ttagcgtatc gtttt 115

<210> 378
<211> 86
<212> DNA
<213> artificial

<220>
<223> -

<400> 378
gttaggagtt cgtcggttag cgagtatttg ttttttttga gtagcgtttt ggttttgcgg 60
cgcggtcgggt atttgtaatt cgggtg 86

<210> 379
<211> 117
<212> DNA
<213> artificial

<220>
<223> -

<400> 379
gagatgtttc gagggttgcg cgggtttttc ggttcgaagt cgtcgttcgt gttttggttt 60
gtcgcggttt ggtttatagc gtatttaggg tttttagtcg gtttagtgat attgcgg 117

<210> 380
<211> 70
<212> DNA
<213> artificial

<220>
<223> -

<400> 380
tttcgcgggt ttttagattg ttcggagagc gcgttttggt tgtcgtttgt ttgtttgtta 60
ttgaggtatg 70

<210> 381
<211> 89
<212> DNA
<213> artificial

<220>
<223> -

<400> 381
atcgtaggtt gggtttggtc gttggtaggg aagtgggtag aggggaggtt cggttaggtt 60
tttcggtaat tttcgcgtgt tttgtttttt 89

<210> 382
<211> 114
<212> DNA
<213> artificial

<220>
<223> -

<400> 382
tggttgcgtt gtttatcgtt ttggtttttg gttgtgttat cggcggtttt tcggatttta 60
gatttcgtta gttttttag aagtttttg gttgtgtcgc ggggaagtag gtaa 114

<210> 383
<211> 98
<212> DNA
<213> artificial

<220>
<223> -

<400> 383
gggtatttat tgcgacggat agtttcgcgg ggtgttgagt ttttttggtt ttttcgagcg 60
tacgttggtc gtttcgtatt ttcggtagtt gtcgtcgg 98

<210> 384
<211> 88
<212> DNA
<213> artificial

<220>
<223> -

<400> 384
ggtttcgata gcgtagttgt ttcgggcgga ttcggggggt tgggtcgcgt tttttcgttc 60
gcgcgtcgtt cgcgttttta gggtagtag 88

<210> 385
<211> 87
<212> DNA

<213> artificial

<220>

<223> -

<400> 385

gttcgttggg taaggcgttc gagaaagcgt ttggcgggag gaggtgcgcg gttttttgtt 60

ttaggcgggtt cgggtgttcg ttttatg 87

<210> 386

<211> 80

<212> DNA

<213> artificial

<220>

<223> -

<400> 386

taaggaattt tgtattcgga ggcggggagg gcgtaggtaa attcggtttt ggcggcgttg 60

gcgttcgtag tttgttaggt 80

<210> 387

<211> 113

<212> DNA

<213> artificial

<220>

<223> -

<400> 387

gtggtttagcg gatttcgagt cgtttttagt ttgtagtcgt ttgtttttta gtagttttta 60

gttgtgagtt tatattttgc gttcgtcgat ttcgttcgga gtgttgttta gtt 113

<210> 388

<211> 92

<212> DNA

<213> artificial

<220>

<223> -

<400> 388

tttcgtaggg ttcggtgtcg ttttttatcg ttgttgtatt cggtagtttt ggagattgtt 60

attcgaaaaa tcgggtttta gagagtattc gg 92

<210> 389

<211> 77

<212> DNA

<213> artificial

<220>

<223> -

<400> 389
 gttagggttc gggggcggtt ttcgtacgtt tcggcgggga aggaaatcgt ttcgcgttcg 60
 tcggaggaag gcgacgg 77

<210> 390
 <211> 112
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 390
 tttagtctgt tagtttcgtc ggtcgacgat agtttgagta atagcgagga agagttagat 60
 cggtagtagt cgtcgacggg taagcgcggg ggacgtaagc ggcgtagtag ta 112

<210> 391
 <211> 85
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 391
 ttttgtggtt agtcgcggta ggggaatttg gagttttttg gttatttttag tagaagttat 60
 cgatagttga ttgtttatatt tacgt 85

<210> 392
 <211> 93
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 392
 gcgtcgtagt atattttggt gcgttgtagt ttttttagtt agggttggtt tcgttttagac 60
 gggtgggcgc gtcgtttttc gggttggttg tta 93

<210> 393
 <211> 87
 <212> DNA
 <213> artificial

<220>
 <223> -

<400> 393
 gtatggagcg ttttgcgatt gtaggagtag gttagttttt tagcgttggt ttagtgctgt 60
 ttgggttttc gggatatgtgg attcgtt 87

<210> 394
 <211> 118
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 394
 tgtgttatat cggtagttg agagcgcgtg ttgggttgaa gaggaggggtg ttttcgagag 60
 ggacgttttt tcggattcgt ttttatttta gttgcgaggg cgtttttaag gagtagcg 118

 <210> 395
 <211> 107
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 395
 cgtttgtttt tataggttcg ggtaatggag attcgcggtc gttttcgttt tttgattttg 60
 ttttattttt tacgttcgtt gtcgtttacg attttcgatt tcgttgt 107

 <210> 396
 <211> 109
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 396
 tgtatgcgga gaggtcgtag ttattgttgt gagtaggata tagtggcggg tgatttggga 60
 gaagttatag agggacgggg tgggagaggg acgaggagtc gggaatggt 109

 <210> 397
 <211> 43
 <212> DNA
 <213> artificial

 <220>
 <223> -

 <400> 397
 cgacatgcgc ggttgattcg tttttcgggt tgcgggcatg tcg 43

 <210> 398
 <211> 47
 <212> DNA
 <213> artificial

 <220>

<223> -

<400> 398
cgacatgccg tcgtaggtat cgagacgtcg tttagatggg catgtcg 47

<210> 399
<211> 44
<212> DNA
<213> artificial

<220>
<223> -

<400> 399
cgacatgcgt agtcgggggc gcgtattttc gtttcggcat gtcg 44

<210> 400
<211> 43
<212> DNA
<213> artificial

<220>
<223> -

<400> 400
cgacatgcga taaaaactca actctcgtcc ccaccgcatg tcg 43

<210> 401
<211> 35
<212> DNA
<213> artificial

<220>
<223> -

<400> 401
cgacacgata tggcggtgag gcggttatcg tgtcg 35

<210> 402
<211> 33
<212> DNA
<213> artificial

<220>
<223> -

<400> 402
cgtctgcaac cgccgacgac cgcgacgcag acg 33

<210> 403
<211> 35
<212> DNA
<213> artificial

<220>
<223> -

<400> 403
cgacatgccc gatcgcccc caataccgca tgtcg 35

<210> 404
<211> 34
<212> DNA
<213> artificial

<220>
<223> -

<400> 404
cgacatgcgg cgttgggcgg gcggttgcat gtcg 34

<210> 405
<211> 39
<212> DNA
<213> artificial

<220>
<223> -

<400> 405
acatgccgtt tttagagggt cggggttttt tcggcatgt 39

<210> 406
<211> 37
<212> DNA
<213> artificial

<220>
<223> -

<400> 406
cgacatgcga cccaaacccc cgaatccgcg catgtcg 37

<210> 407
<211> 38
<212> DNA
<213> artificial

<220>
<223> -

<400> 407
cgacatgcac cgcgcacctc ctcccgccaa gcatgtcg 38

<210> 408
<211> 38
<212> DNA
<213> artificial

<220>
<223> -

<400> 408
cgacatgccg gcggggaagg aaatcgtttc gcatgtcg 38

<210> 409
<211> 36
<212> DNA
<213> artificial

<220>
<223> -

<400> 409
cgacatgcac gacgcccccg aacctaacgc atgtcg 36

<210> 410
<211> 34
<212> DNA
<213> artificial

<220>
<223> -

<400> 410
cgacatgccc gacttccccg aactccgcat gtcg 34

<210> 411
<211> 44
<212> DNA
<213> artificial

<220>
<223> -

<400> 411
cgacatgcgc gatttcggat ttattgcgtt gtagggcat gtcg 44

<210> 412
<211> 39
<212> DNA
<213> artificial

<220>
<223> -

<400> 412
cgacatgcgg gattaacgta ggcgatgtcg ggcgatgtcg 39

<210> 413
<211> 37
<212> DNA
<213> artificial

<220>
<223> -

<400> 413

cgacatgcgg ttttttgggt cggggcgcg catgtcg 37

<210> 414
<211> 43
<212> DNA
<213> artificial

<220>
<223> -

<400> 414
cgacatgcag ggttttttta ggagcgcggg cgagggcatg tcg 43

<210> 415
<211> 38
<212> DNA
<213> artificial

<220>
<223> -

<400> 415
cgacatgcgg gtcgggttcg tcgaaggctg gcatgtcg 38

<210> 416
<211> 33
<212> DNA
<213> artificial

<220>
<223> -

<400> 416
cgacatgcc aaaaacagcc cccgcgcatg tcg 33

<210> 417
<211> 43
<212> DNA
<213> artificial

<220>
<223> -

<400> 417
cgacatgcgt agttttcggt cgcgtcgttt ggtcggcatg tcg 43

<210> 418
<211> 42
<212> DNA
<213> artificial

<220>
<223> -

<400> 418
cgacatgcaa acgaacgccg ctcaaactcc ggcgcgatgt cg 42

<210>	419	
<211>	52	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	419	
	cgacatgcgt tcggtttaga ataggagatt agtttaggtt cgttgcatgt cg	52
<210>	420	
<211>	39	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	420	
	cgacatgggt tcgtaagggt tggggtagcg gccatgtcg	39
<210>	421	
<211>	36	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	421	
	cgacatgcgc gggtagtcgg cgtgtatcgc atgtcg	36
<210>	422	
<211>	42	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	422	
	cgtctgcgtg gtttcgttcg gttcgcgttt gttaggcaga cg	42
<210>	423	
<211>	43	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	423	
	cgacatgcgg aggattaggg cgagtagtag tcgtagcatg tcg	43

<210>	424	
<211>	43	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	424	
	cgacatgcgt tcgtgttttg gtttgtcgcg gtttgccatg tcg	43
<210>	425	
<211>	40	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	425	
	cgacatgcgg ttttttcgag cgtacgttgg tcgcatgtcg	40
<210>	426	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	426	
	cgttaggttt tgttgttttag cgt	23
<210>	427	
<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	427	
	cgttaggttt tgttgttttag cgt	23
<210>	428	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	428	
	gtttcgtagt ttagcgtttag agcgt	25

<210>	429	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	429	
	gtttcgtagt ttcgtagttt cgtag	25
<210>	430	
<211>	20	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	430	
	ggtcgttggt atggacgttt	20
<210>	431	
<211>	25	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	431	
	ttcgttatat tttagtttag cgttt	25
<210>	432	
<211>	22	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	432	
	cgacacaact ttcctatcga cc	22
<210>	433	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	433	
	aactttccta tcgaccgcc	19
<210>	434	

<211>	23	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	434	
aaaacgaata cttcttaccg acc		23
<210>	435	
<211>	21	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	435	
ttcttaccga cccaaaacgt a		21
<210>	436	
<211>	24	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	436	
aaaattatac cgaacttatc gcct		24
<210>	437	
<211>	19	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	437	
acacaaacct tcgtcgtcc		19
<210>	438	
<211>	94	
<212>	DNA	
<213>	artificial	
<220>		
<223>	-	
<400>	438	
cgtagggttt tggtgttttag cgtcgtaacg gggtcggttt ttggcgtttt cgaatttttg		60
tgttttggcg gcggtcgata ggaaagttgt gtcg		94

<210> 439
<211> 88
<212> DNA
<213> artificial

<220>
<223> -

<400> 439
cgttagggtt tgttgtttag cgtcgtaacg gggtcgggtt ttggcgtttt cgaatttttg 60
tgttttggcg gcggtcgata ggaaagtt 88

<210> 440
<211> 80
<212> DNA
<213> artificial

<220>
<223> -

<400> 440
gtttcgtagt ttagcgtttag agcgttgccg ggagattttt tgtcgtcgta cgttttgggt 60
cggttaagaag tattcgtttt 80

<210> 441
<211> 85
<212> DNA
<213> artificial

<220>
<223> -

<400> 441
gtttcgtagt ttcgtagttt cgtagtttag cgtttagagcg ttgcgcggag attttttgtc 60
gtcgtacggt ttgggtcggg aagaa 85

<210> 442
<211> 102
<212> DNA
<213> artificial

<220>
<223> -

<400> 442
ggtcgttggt atggacgttt attatagttc ggtgtcgtag agtcgggagg gttcgtcgtt 60
ttttagggtta tttttcggag gcgataagtt cggataaatt tt 102

<210> 443
<211> 92
<212> DNA
<213> artificial

<220>
 <223> -

<400> 443
 ttcgttatat tttagtttag cgtttttata gtagaggga atagttaata agacgtgtaa 60
 gtgattatgt attggacgac gaaggtttgt gt 92

<210> 444
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 444
 cgccaggtcc tgctgccag cgccgtaacg ggcccggctc ttggcgccc cgaatccctg 60
 tgctttggcg gcggccgaca ggaaagttgt gccg 94

<210> 445
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 445
 cgccaggtcc tgctgccag cgccgtaacg ggcccggctc ttggcgccc cgaatccctg 60
 tgctttggcg gcggccgaca ggaaagtt 88

<210> 446
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 446
 gccccgcagc ccagcgccag agcgctgcgc ggagactcct tgccgcccga cgccctgggc 60
 cggtagaag catccgcttc 80

<210> 447
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 447
 gccccgcagc cccgcagccc cgcagcccag cgccagagcg ctgcgcggag actccttgcc 60
 gccgcacgcc ctgggccggt aagaa 85

<210> 448
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 448
 ggccgctgcc atggacgcct actacagccc ggtgtcgcag agtcgggagg gctcgtcgcc 60

ttttagggca tttcccgag ggcacaagt cggcacaact tt 102

<210> 449

<211> 92

<212> DNA

<213> Homo sapiens

<400> 449

tccgctacat cccagcccag cgcccttaca gcagagggaa atagttaaca agacgtgcaa 60

gtgaccatgc actggacgac gaaggcttgt gt 92