

Chr17_AsiSI_59204586

Blue lettering indicates the region analyzed (minimum 50nts, maximum 100 nts)

+OHT / PW

Clone#1

Clone	4	<code>CGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCACGTCA</code>	63
Sbjct	48	<code>CGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCACGTCA</code>	107
Query	64	<code>GCCCCGGCCAAGAGCG-----GTGTGAG-GC</code> GGAGCTGTGAGGGCGCA	103
Sbjct	108	<code>GCCCCGGCCAAGAGGTGCGTGGGC GGCGCGCGGGT</code> GCGATCGC GGAGCTGTGAGGGCGCA	167
		AsISI site	
Query	104	<code>GGCAGGGCTCTGGGCACCTAGAGACC</code> GGGCCGGAGACGTGGCAGCCGCCCTGCCGCC	163
Sbjct	168	<code>GGCAGGGCTCTGGGCACCTAGAGACC</code> GGGCCGGAGACGTGGCAGCCGCCCTGCCGCC	227
Query	164	<code>AGAAAGTTCCCTAGAAGTTGCTG</code> GGCGCGCG 197	
Sbjct	228	<code>AGAAAGTTCCCTAGAAGTTGCTG</code> GGCGCGGGCG 261	

Clone#5

Query	4	GGGCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTACCGC	63
Sbjct	50	GGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTACCGC	109
Query	64	CCGGCCAAGAGTGCCTGGCGGGCGCGCGGGGT GCGATCGC GGAGCTGTGAGGCGCAGG	123
Sbjct	110	CCGGCCAAGAGTGCCTGGCGGGCGCGCGGGGT GCGATCGC GGAGCTGTGAGGCGCAGG	169
		AsISI site	
Query	124	CAGGGCTCT-GGGCACCTAGAGACCGGGGCCGGAGACGTGGCAGCCGCCCTGCCGCCAG	182
Sbjct	170	CAGGGCTCTGGGCACCTAGAGACCGGGGCCGGAGACGTGGCAGCCGCCCTGCCGCCAG	229
Query	183	AAAGTTCTAGAAGTTGCTGGCGCGCG 214	
Sbjct	230	AAAGTTCTAGAAGTTGCTGGCGCGCG 261	

Clone#15

Query	25	GGA-CT-CGGGCCGCGCCGCTT-CTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCA 	81
Sbjct	41	GGATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCA	100
Query	82	CGTCACCGCCCGGCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTG 	141
Sbjct	101	CGTCACCGCCCGGCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTG	160

		AsiSI site	
Query	142	AGGCAGGCAGGGCTCTGGGCACCTAGAGACC-GGGCCGGAGACGTGGCAGCCGCCCT	200
Sbjct	161	 AGGCAGGCAGGGCTCTGGGCACCTAGAGACC GGGGCCGGAGACGTGGCAGCCGCCCT	220
Query	201	GCCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	241
Sbjct	221	 GCCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	261

Clone#21

Query	24	GATCTCCGGGCCGCGCCCTTCCTGGCTCCCCACCC TGCGCCGGCGCCCTGGCAC	82
Sbjct	42	 GATCTCCGGGCCGCGCCCTTCCTGGCTCCCCACCC TGCGCCGGCGCCCTGGCAC	101
Query	83	GTCACTCTGCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGT	142
Sbjct	102	 GTCAC-C-GCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGT	159
Query	143	GAGGCGCAGGCAGGGCTCTGGGCACCTAGAGACC GGAGACGTGGCAGCCGCC	202
Sbjct	160	 GAGGCGCAGGCAGGGCTCTGGGCACCTAGAGACC GGAGACGTGGCAGCCGCC	219
Query	203	TGCCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	244
Sbjct	220	 TGCCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	261

Clone#26

Query	28	CGGGCCGCGCCGCTTCCTGGCT-CCCACCC TGCGCCGGCGCCCTGGCACGTCACC	86
Sbjct	48	 CGGGCCGCGCCGCTTCCTGGCTCCCACCC TGCGCCGGCGCCCTGGCACGTCACC	107
Query	87	GCCCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	146
Sbjct	108	 GCCCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	167
Query	147	GGCAGGGCTCT-GGGCACCTAGAGACC GGAGACGTGGCAGCCGCCCTGCCGCC	205
Sbjct	168	 GGCAGGGCTCTGGGCACCTAGAGACC GGAGACGTGGCAGCCGCCCTGCCGCC	227
Query	206	AGAAAGTTCTAGAAGTTGCTGGCGCGCG	239
Sbjct	228	 AGAAAGTTCTAGAAGTTGCTGGCGCGCG	261

Clone#27

Query	25	CGGGGCCGCGCCGCTTCCTGGCTCCCCACCC TGCGCCGGCGCCCTGGCACGTCAC	83
Sbjct	47	 CGGGGCCGCGCCGCTTCCTGGCTCCCCACCC TGCGCCGGCGCCCTGGCACGTCAC	106
Query	84	CGCCCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGC	143
Sbjct	107	 CGCCCCGCCAAGAGTGC GTGGCGGCCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGC	166

Query	144	<code>AGGCAGGGCTCTGGGGCACCTAAAAACGGGGCGAAACTGGGAACCCCCCTCCCCC</code>	202
Sbjct	167	<code>AGGCAGGGCTCTGGGGCACCTAGAGACCGGGG-CCGGAGACGTGGCAGCCGCCCTGCCG</code>	225
Query	203	<code>CAAAAAAGTTCTAAAAATTGCTGGCGC</code>	232
Sbjct	226	<code>CCAGAAAGTTCTAGAAGTTGCTGGCGC</code>	256

Clone#28

Query	25	ATCTCCGGGCCGCGCCGCTTCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCACG 	83
Sbjct	43	ATCTCCGGGCCGCGCCGCTTCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCACG 	102
Query	84	TCACTCGCCCAGGCCAAGAGTGCCTGGCGGCCGGCGCGGGT GCGATCGC GGAGCTGTGA 	143
Sbjct	103	TCAC-CGCCCAGGCCAAGAGTGCCTGGCGGCCGGCGCGGGT GCGATCGC GGAGCTGTGA AsiSI site 	161
Query	144	GGCGCAGGCAGGGCTCTGGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG 	203
Sbjct	162	GGCGCAGGCAGGGCTCTGGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG 	221
Query	204	CCCGCCAGAAAGTTCTAGAACGTTGCTGGCGCGCG 	243
Sbjct	222	CCCGCCAGAAAGTTCTAGAACGTTGCTGGCGCGCG 	261

Clone#33

Query	26	<code>CGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCCA-GGAACG</code>	84
Sbjct	48	<code>CGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTCACC</code>	107
Query	85	<code>GCCGAGCCAAGAGTGCCTGGCGGCCGGCGCGGGTGCCATCTCGGAGCTGTGAGGCGCA</code>	144
Sbjct	108	<code>GCCCAGCCAAGAGTGCCTGGCGGCCGGCGCGGGTGCGATCGCGGAGCTGTGAGGCGCA</code>	167
Query	145	<code>GGCAGGGCTCTGGGCACCTAGAGACCGGGGCCGGAGACGTGGCAGCCGCCCTGCCGCC</code>	204
Sbjct	168	<code>GGCAGGGCTCTGGGCACCTAGAGACCGGGGCCGGAGACGTGGCAGCCGCCCTGCCGCC</code>	227
Query	205	<code>AGAAAGTTCCCTAGAAGTTGCTGGGCGCGCG</code>	238
Sbjct	228	<code>AGAAAGTTCCCTAGAAGTTGCTGGGCGCGGGCG</code>	261

+OHT/PW + ML216

Clone#5

Query 1	GATCTC-GGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCAC	59
Sbjct 42	GATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCAC	101
Query 60	GTCACCGCCC GCCAAGAGTCGGTGGCGG--GCGCG-GGGT GCGATCGC GGA ACT GTGA	119
Sbjct 102	GTCACCGCCC GCCAAGAGTCGTGGCGGCGCGCGGGT GCGATCGC GGAG CT GTGA <i>AsiSI site</i>	161
Query 120	GGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG	179
Sbjct 162	GGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG	221
Query 180	CCCGCCAGAAAGTT CCTAGAAGTTGCTGGCGCGCG	219
Sbjct 222	CCCGCCAGAAAGTT CCTAGAAGTTGCTGGCGCGCG	261

Clone#7

Query 26	GATCTC-GGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCAC	84
Sbjct 42	GATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCAC	101
Query 85	GTCACCGCCC GCCA-GAGTGC GTGGCGGCCGCCGGT GCGATCGC GGAG CT GTGA	143
Sbjct 102	GTCACCGCCC GCCAAGAGTCGTGGCGGCCGCCGGT GCGATCGC GGAG CT GTGA <i>AsiSI site</i>	161
Query 144	GGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG	203
Sbjct 162	GGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTG	221
Query 204	CCCGCCAGAAAGTT CCTAGAAGTTGCTGGCGCGCG	244
Sbjct 222	CCCGCCAGAAAGTT CCTAGAAGTTGCTGGCGCGCG	261

Clone#8

Query 29	CGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCACGT CACC	88
Sbjct 48	CGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGGCCGCCCTGGCCACGT CACC	107
Query 89	GCCCGGCCAAGAGTCGTGGCGGGAGGCGCGCGGGT GCGATCGC GGAG CT GTGAG CGGCA	148
Sbjct 108	GCCCGGCCAAGAGTCGTGGCGGGCGCGCGCGGGT GCGATCGC GGAG CT GTGAG CGGCA <i>AsiSI site</i>	167

Query 149 GGTCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTGCCGC 208
Sbjct 168 GG-CAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTGCCGC 227

Query 209 AGAAAGTTCTAGAAGTTGCTGGCGCGCG 242
Sbjct 228 AGAAAGTTCTAGAAGTTGCTGGCGCGCG 261

Clone#12

Query 31 GGGCGCGCCGCTTCCCTGGCTCCCC-CCCTGCGCCGGCGGCCCTGGCACGTCACC 89
Sbjct 50 GGCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTCACC 109
Query 90 CCGGCCAAGAGGGCGTGGCGGGCGCGCGGGT**GCGATCGC**GGAGCTGTG-GGCAGG 148
Sbjct 110 CCGGCCAAGAGTGCCTGGCGGGCGCGCGGGT**GCGATCGC**GGAGCTGTGAGGCGCAGG
AsiSI site
Query 149 CAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTGCCGCAG 208
Sbjct 170 CAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCTGCCGCAG 229
Query 209 AAAGTTCTAGAAGTTGCTGGCGCGCG 240
Sbjct 230 AAAGTTCTAGAAGTTGCTGGCGCGCG 261

Clone#13

Query 21 GGA-CT-CGGG-CGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCA 77
Sbjct 41 GGATCTCCGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCA 100
Query 78 CGTCACCGCCGGCCAAGAGTGCTGGCGGGCG--CGGG-**GCGATCGC**GGAGCTGTG 137
Sbjct 101 CGTCACCGCCGGCCAAGAGTGCCTGGCGGGCGCGCGGGT**GCGATCGC**GGAGCTGTG
AsiSI site
Query 138 AGGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCT 197
Sbjct 161 AGGCGCAGGCAGGGCTCTGGGCACCTAGAGACCGGGCCGGAGACGTGGCAGCCGCCCT 220
Query 198 GCCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG 238
Sbjct 221 GCCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG 261

Clone#17

Query 30 CGGG-CGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTCACC 88
Sbjct 48 CGGGCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCACGTCACC 107
Query 89 GCCCGCCAAGAG-----C-GGT**GTGA-GGC**GGAGCTGTGAGGCGCA 128
Sbjct 108 GCCCGCCAAGAGTGCCTGGCGGGCGCGCGGGT**GCGATCGC**GGAGCTGTGAGGCGCA 167

				AsiSI site	
Query	129	GGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTGCCGCC			188
Sbjct	168	GGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTGCCGCC			227
Query	189	AGAAAGTTCTAGAAGTTGCTGGCGCGCG	222		
Sbjct	228	AGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261		

Clone#18

Query	26	ATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCGCCCTGGCACG		84
Sbjct	43	ATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCGCCCTGGCACG		102
Query	85	TCACCGCCCAGCCAAGAGTGCCTGGCGGGCGCGCGGGT GCGATCGC GGAGCTGTGAG		144
Sbjct	103	TCACCGCCCAGCCAAGAGTGCCTGGCGGGCGGG GCGATCGC GGAGCTGTGAG		162
Query	145	GCTGCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTG		204
Sbjct	163	GC-GCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTG		222
Query	205	CCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	243	
Sbjct	223	CCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261	

Clone#21

Query	34	GCCGCGACGC-TCCTGGCT-CCC-CCCTGCGCCGGCGCCGCCCTGGCC-CGTACCGTC		89
Sbjct	51	GCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCGCCCTGGCACGTACCGCC		110
Query	90	CGGTCAATAGTGCCTGGCGGTGGCGCGGGT GCTATCGC GGAGCTGTGAGGCGCAGGC		149
Sbjct	111	CGGCCAAGAGTGCCTGGCGGGCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCAGGC		170
Query	150	AGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTGCCCCCTTA		209
Sbjct	171	AGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTGCCCCAGA		230
Query	210	AAGTTCTAGAAGTTGCTGGCGC	235	
Sbjct	231	AAGTTCTAGAAGTTGCTGGCGC	256	

Clone#24

Query	23	GATCTCCGGGGCCGCGCGCTTCCTGGCT-CCCACCCCTGCGCCGGCGCCGCCCTGGCC		81
Sbjct	42	GATCTCC--GGGCCGCGCCCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCGCCCTGGCC		99
Query	82	ACGTACCTGCCGGCCAAGAGTGCCTGGCGGGCGCGGG GCGATCGC GGAGCTG		141
Sbjct	100	ACGTACCCGCCGGCCAAGAGTGCCTGGCGGGCGCGGG GCGATCGC GGAGCTG		158

		AsiSI site	
Query	142	TGAGGCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCGCC	201
Sbjct	159	TGAGGCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCGCC	218
Query	202	CTGCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	244
Sbjct	219	CTGCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	261

Clone#27

Query	31	CGGGCCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCCGCCCTGGCACGTCACC	90
Sbjct	48	CGGGCCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCCGCCCTGGCACGTCACC	107
Query	91	GCCCGCCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	150
Sbjct	108	GCCCGCCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	167
		AsiSI site	
Query	151	GGCAGGGCTCTGGGCACCTAGAGACCAGGGCGAAAAC-TGGCAGCCCCCTGGCCCC	209
Sbjct	168	GGCAGGGCTCTGGGCACCTAGAGACCAGGGCGAGACGTGGCAGCCCTG-CCCGC	226
Query	210	AAAAAA-TTCTAAAAATTGCTGGC	236
Sbjct	227	CAGAAAGTTCTAGAAGTTGCTGGC	254

1

Clone#28

Query	27	GATCT-CGGGCCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCCTGGCAC	85
Sbjct	42	GATCTCCGGGCCGCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCCTGGCAC	101
Query	86	GTCACCGCCCAGCAAGAGTGCCTGGCGGCGCGC--GT GCG-TCGC GGAGCTGTGA	145
Sbjct	102	GTCACCGCCCAGCAAGAGTGCCTGGCGGCGGCGCGCGGGT GCGATCGC GGAGCTGTGA	161
		AsiSI site	
Query	146	GGCGCAGGGCTCTGGGCACCTAGAGACCAGGGCGGGAAAC-TGGGAGGCCCTG	204
Sbjct	162	GGCGCAGGGCTCTGGGCACCTAGAGACCAGGGCGGGAGACGTGGCAGCCCTG	221
Query	205	GCCGGCGAAAGGTTCTGAAGTTGGTGGGGGGGGCG	244
Sbjct	222	CCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261

Clone#31

Query	28	CGGGCCGCCGCTTCCTGGCT-CCCACCCCTGCGCCGGCGCCGCCCTGGCACGTCACC	86
Sbjct	48	CGGGCCGCCGCTTCCTGGCTCCCCACCCCTGCGCCGGCGCCGCCCTGGCACGTCACC	107
Query	87	GCCCGCCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	146
Sbjct	108	GCCCGCCAAGAGTGCCTGGCGGCGCGCGGGT GCGATCGC GGAGCTGTGAGGCGCA	167
		AsiSI site	

Query	147	GGCAGGGCTCTGGGCACCTAGAGACC-GGGCCGGAGACGTGGCAGCCGCCCTGCCGCC	205
Sbjct	168	GGCAGGGCTCTGGGCACCTAGAGACCGGGGCGGAGACGTGGCAGCCGCCCTGCCGCC	227
Query	206	AGAAAGTTCTAGAAGTTGCTGGCGCGCG	239
Sbjct	228	AGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261

Clone#32

Query	20	GGGATCTCCGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCC	77
Sbjct	40	GGGATCTCCGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGGCC	99
Query	78	ACGTCACCGCCCGCCAAGAGTGCCTGGCGGGCGCGCGGGTGCGATCGCGGAGCTGT	137
Sbjct	100	ACGTCACCGCCCGCCAAGAGTGCCTGGCGGGCGCGCGGGTGCGATCGCGGAGCTGT	159
AsiSI site			
Query	138	AGAGGCGCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCC	196
Sbjct	160	-GAGGCGCAGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCC	219
Query	197	TGCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	238
Sbjct	220	TGCCGCCAGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261

Clone#33

Query	25	TCT-CGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGCCACGT	83
Sbjct	44	TCTCCGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGCCACGT	103
Query	84	CACCGCCCGCCAAGAGTGCCTGGCGGGCGCGCG--TGCG-TCGCG-AGCTGTGAGG	143
Sbjct	104	CACCGCCCGCCAAGAGTGCCTGGCGGGCGCGCGGGTGCGATCGCGGAGCTGTGAGG	163
AsiSI site			
Query	144	CGCAGGGCAGGGCTCTGGGCACCTAGAGACC-GGGCCGGAGACGTGGCAGCCGCCCTGCC	202
Sbjct	164	CGCAGGGCAGGGCTCTGGGCACCTAGAGACCAGGGCCGGAGACGTGGCAGCCGCCCTGCC	223
Query	203	CGCCAGAAAGTTCTAGAAGTTGCTGGCGCGCG	240
Sbjct	224	CGCCAGAAAGTTCTAGAAGTTGCTGGCGCGGGCG	261

Clone#34

Query	27	CGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGCCACGTCA	86
Sbjct	48	CGGGCCGCGCCGCTTCCCTGGCTCCCCACCCCTGCGCCGGCGGCCCTGCCACGTCA	107
Query	87	GCCCGGCCAAGAGTGCCTGGCGGGCGCGCGGGTGCGATCGCGGAGCTGTGAGGC	146
Sbjct	108	GCCCGGCCAAGAGTGCCTGGCGGGCGCGCGGGTGCGATCGCGGAGCTGTGAGGC	167

Query	147	<code>GGCAGGGCTCTGGGGCACCTAGAGACCGGGGCCGAGAGACGTGGCAGCCGCCCTGCCGC</code>	206
Sbjct	168	<code>GGCAGGGCTCTGGGGCACCTAGAGACCGGGGCCG-GAGACGTGGCAGCCGCCCTGCCGC</code>	227
Query	207	<code>AGAAAGTTCCCTAGAAGTTGCTGGCGCGCG</code>	240
Sbjct	228	<code>AGAAAGTTCCCTAGAAGTTGCTGGCGCGCG</code>	261