

Chr18_AsiSI_7556711

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

+OHT/PW

Clone#5

```
Query 1 GCGGAGCGAN-TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCCGC 59
        |||||  |||||||
Sbjct 53 GCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCCGC 112

Query 60 GATCGCAGCCCCGCTCCCGGCCGGGCCCGCGGGTACACGCCGCTGGCCCCGAGCACTGG 119
        |||||  |||||||
Sbjct 113 GATCGCAGCCCCGCTCCCGGCCGGGCCCGCGGGTACACGCCGCTGGCCCCGAGCACTGG 172
        AsiSI site
Query 120 CGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCG 179
        |||||  |||||||
Sbjct 173 CGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCG 232
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Clone#18

```
Query 36 GAGCCAATTTGGCTTTGCGCCGGGAGATGG-GCGGGAGCCGGGAGCGCCCATTCCC GCGA 95
        ||||  |||||  |||||||
Sbjct 56 GAGCGAAGTTGGC-GGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCC GCGA 114
        AsiSI
Query 96 TCGCAGTCCGTTCCCGGACGGGCCCGCGGGTACACGCCGCTGGCCCCGAGCACTGGCG 155
        |||||  |||||  |||||||
Sbjct 115 TCGCAGCCCCGCTCCCGGCCGGGCCCGCGGGTACACGCCGCTGGCCCCGAGCACTGGCG 174
        site
Query 156 CCCGGGAAAAAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGAG 215
        |||||  |||||||
Sbjct 175 CCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTG 234
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Clone#19

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Query 27 CCGCGGGCGGAGCGTAAGTTTTGTGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCC 86
        |||||  ||||  |||||
Sbjct 47 CCGCGGGCGGAGCG-AAG-TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCG 104

Query 87 ATCCCCGCGATCGCAGCCCCGCTCCCGGCCGGGCCCGCGGGTACTCGCCGCTGGCCCCCT 146
        |  |||||||
Sbjct 105 AGCCCCGCGATCGCAGCCCCGCTCCCGGCCGGGCCCGCGGGTACACGCCGCTGGCCCCG 164
        AsiSI site
Query 147 AGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCG 206
        |||||  |||||||
Sbjct 165 AGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCG 224
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Clone#20

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Query 51 GGCGCCGGGATATTGTGCGAGAGCCGGGAGCGCC-AATTCCGTGATCGCTAG-CTTCTC 108
        |||||  ||||  |||||
Sbjct 70 GGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCCGCGATCGCCAGCCCGCTC 128
        AsiSI site
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Query	109	CCGGCCGGACCCGCCGGGTATTATACGCTGGCCCTTA-TTCTGGCTTTCGGAAGCAGGG	167
Sbjct	129	CCGGCCGGGCCCGCCGGGTACACGCCGCTGGCCCCGAGCACTGGCGCCCGGAAGCAGGG	188
Query	168	CGCGCTTCTGCTGTTCTGCGT-CTGTTTCATGCCTCGGTGT	206
Sbjct	189	CGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGT	228

Clone#26

Query	23	CTTCTCTACGCCGCGGGCGGAGCGAAGTTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCG	82
Sbjct	37	CTTCTCTACGCCGCGGGCGGAGCGAAG-TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCG	95
Query	83	GGAGCGCCGATCCCC CGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCG	142
Sbjct	96	GGAGCGCCGAGCCCC CGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCG	155
		AsiSI site	
Query	143	CTGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCAT	202
Sbjct	156	CTGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCAT	215
Query	203	CATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	238
Sbjct	216	CATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	251

Clone#34

Query	18	CGA-CTTCTCT-CGCCGCGGGGCGGAGCG-AGTTGGCGGGCGCCGGGAGATGGCGCGGGA	74
Sbjct	33	CGAGCTTCTCTACGCCGCG-GGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGA	91
Query	75	GCCGGGAGCGCCGAGCCCC CGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACAC	134
Sbjct	92	GCCGGGAGCGCCGAGCCCC CGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACAC	151
		AsiSI site	
Query	135	GCCGCTGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCC	194
Sbjct	152	GCCGCTGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCC	211
Query	195	TCATCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	234
Sbjct	212	TCATCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	251

Query	37	GCGTAGTTGGCTGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGATCCTC GCGATCG	96
Sbjct	58	GCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCC GCGATCG	117
		AsiSI site	
Query	97	C CAGCCCGC-CCC GGCCGGGCCCGCCGGGTACACTCCGCTGGCCCCGAGCACTGGCGCCC	155
Sbjct	118	C CAGCCCGCTCCCGGCCGGGCCCGCCGGGTACACGCCGCTGGCCCCGAGCACTGGCGCCC	177
Query	156	GGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTGTTGG	215
Sbjct	178	GGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTGTTGG	237

Clone#1

Query	14	CTTCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGG	73
Sbjct	37	CTTCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGG	96
Query	74	GAGCGC-GAGCCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGC	132
Sbjct	97	GAGCGCCGAGCCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGC	156
		AsiSI site	
Query	133	TGGACCCGAGCACTGGCGCCCGGGAAGCAGGGGACGCTTCTGATGTTCTGCGTCTTCATC	192
Sbjct	157	TGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATC	216
Query	193	ATGCCTCGCTGTCTAGTGTGGGC	215
Sbjct	217	ATGCCTCGGTGTCCCGTGTGGGC	239

Query	1	CTCTACGCCGCGGGCGGAGCGA-GTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAG	59
Sbjct	40	CTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAG	99
Query	60	CGCCGAGC-CC- CGATCGC CAGCCCGCTCCCGGCCGGGCCCGCCGGGTACACGCCGCTGG	119
Sbjct	100	CGCCGAGCCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCCGCCGGGTACACGCCGCTGG	159
		AsiSI site	
Query	120	CCCCGAGCACTGGCGCCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATG	179
Sbjct	160	CCCCGAGCACTGGCGCCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATG	219
Query	180	CCTCGGTGTCCCGTGTGGGCCCGAAGCGAGCC	211
Sbjct	220	CCTCGGTGTCCCGTGTGGGCCCGAAGCGAGCC	251

Clone#3

Query	17	TCTCT-CGCCGCGGGCGGAGCGA-GTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGA	74
Sbjct	39	TCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGA	98
Query	75	GCGCCGAGCCCCGCGATCGCCAGCCCCTCCCGGCCGGGCCCGCCGGGTACACGCCGCTG	134
Sbjct	99	GCGCCGAGCCCCGCGATCGCCAGCCCCTCCCGGCCGGGCCCGCCGGGTACACGCCGCTG	158
		AsiSI site	
Query	135	GCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCAT	194
Sbjct	159	GCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCAT	218
Query	195	GCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	227
Sbjct	219	GCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	251

Clone#14

Query	20	CTTCTCT-CGCCGCGGGGCGGAGCGAAGTTGGCGGGCGCCGAGAGATGGGCGCGGGAGCC	78
Sbjct	37	CTTCTCTACGCCGC-GGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGG-CGCGGGAGCC	94
Query	79	-GGAGCGCCGAGCCCCGCGATCGCCAGCCCCTCCCGGCCGGGCCCGCCGGGTACACGCC	137
Sbjct	95	GGGAGCGCCGAGCCCCGCGATCGCCAGCCCCTCCCGGCCGGGCCCGCCGGGTACACGCC	154
		AsiSI site	
Query	138	GCTGGCCCCGAGCACTGGCACCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA	197
Sbjct	155	GCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA	214
Query	198	TCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	234
Sbjct	215	TCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	251

Query	15	AGC-TCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGG-GCC	72
Sbjct	35	AGCTTCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCC	94
Query	73	GGGAGCGCCGAGCCCCGCGATCGCCAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCC	132
Sbjct	95	GGGAGCGCCGAGCCCCGCGATCGCCAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCC	154
		AsiSI site	
Query	133	GCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA	192
Sbjct	155	GCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA	214
Query	193	TCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	229
Sbjct	215	TCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	251

Query	20	CTTCACTACAGCGCGTGC	CGAGCG-AGTTGGTGGGCGCCGGGCAGATGGCTCGGGAGCC	78
Sbjct	37	CTTCTCTACGCCGCGGGCG-GAGCGAAGTTGGCGGGCGCCGGG-AGATGGCGCGGGAGCC		94
Query	79	GGGAGCGCCCATCCCC	GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACACC	138
Sbjct	95	GGGAGCGCCGAGCCCC	GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCC	154
			AsiSI site	
Query	139	GCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA		198
Sbjct	155	GCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCA		214
Query	199	TCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	235	
Sbjct	215	TCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	251	

Query	31	GGCGGAGCG---TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCTAGCCCC-	90
Sbjct	52	GGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCCG	111
Query	91	CGATCGCCAGCCCGCTCCCGGCCGGGCCC GCCGGGTACACGCCGCTGGCCCCGAGCACTG	150
Sbjct	112	CGATCGCCAGCCCGCTCCCGGCCGGGCCC GCCGGGTACACGCCGCTGGCCCCGAGCACTG	171
		AasiI site	
Query	151	GCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCC	210
Sbjct	172	GCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCC	231
Query	211	GTGTGGGCCC GAAGCGAGCC	230

Sbjct 232 GTGTGGGCCCGAAGCGAGCC 251

Query	25	ACGCCGCGCGGGCAGCGTAATTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCG	84
Sbjct	44	ACGCCGCG-GGCGGAGCG-AAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCG	101
Query	85	CCCAGTCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCCGGGGTACACGCCGCTGGCC	144
Sbjct	102	CCGAGCCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCCCCGGGGTACACGCCGCTGGCC	161
		AsiSI site	
Query	145	CCGAGCACTGGCGCCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCC	204
Sbjct	162	CCGAGCACTGGCGCCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCC	221
Query	205	TCGGTGTTCCCGTGGGGGCCCGAAGCGAGCC	234
Sbjct	222	TCGGTGTTCCCGTGTGGGCCCGAAGCGAGCC	251

Query	16	TTCT-TACGTCGCCTGCCAGCGAAGTTGTTTGGGCGCCGGGAGATGGCGCGGGAGCCGG	74
Sbjct	38	TTCTCTACGCCGCGGGCGGAGCGAAGTTG-GCGGGCGCCGGGAGATGGCGCGGGAGCCGG	96
Query	75	GAGCGCCGAGCCCC GCGATCGC TGCCCGCTCCC GCCGGGCCGCCGGGTACACGCCGC	134
Sbjct	97	GAGCGCCGAGCCCC GCGATCGC CAGCCCGCTCCC GCCGGGCCGCCGGGTACACGCCGC	156
		AsiSI site	
Query	135	TGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCTCATC	194
Sbjct	157	TGGCCCCGAGCACTGGCGCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCTCATC	216
Query	195	ATGCCTCGGTGTCCCGAGTGGGCCCCGAATCGAGCC	229
Sbjct	217	ATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC	251

Query	18	CGA-CTTCTCT-CGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAG	75
Sbjct	33	CGAGCTTCTCTACGCCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAG	92
Query	76	CCGGGAGCGCCGAGCCCC GCGATCGC CAGCCCCTCCCGGCCGGGCCCGCCGGGTACACG	135
Sbjct	93	CCGGGAGCGCCGAGCCCC GCGATCGC CAGCCCCTCCCGGCCGGGCCCGCCGGGTACACG	152
		AsiSI site	
Query	136	CCGCTGGCCCCGAGCACTGGCACCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCT	195
Sbjct	153	CCGCTGGCCCCGAGCACTGGCGCCCCGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCT	212
Query	196	CAATCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGC	234
Sbjct	213	C-ATCATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGC	251

Clone#28

Query	39	TTGGCTCGCGCTGGG-GATGGCGCGGGAGC-GGGAGCG-CGAGAATT AGGAT-TCC-GCC	93
Sbjct	64	TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCC GCGATCGCCAGCC	123
		AsiSI site	
Query	94	CGCTCCCGGCCGGGCTTGCCGGTTTCTTTTCGGTGGCCCCGAGCACTGGCACCCGGGAA	153
Sbjct	124	CGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGCTGGCCCCGAGCACTGGCGCCCCGGGAA	182
Query	154	GCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCTTGCCTCGGTGTCTCGTGTGGGCCCCG	213
Sbjct	183	GCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTGTGGGCCCCG	242
Query	214	AATCGAGCC 222	
Sbjct	243	AAGCGAGCC 251	

Clone#29

Query	42	TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGA-CGCCATTCACT TCGATCGCCAGCC	100
Sbjct	64	TTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAGCCCC GCGATCGCCAGCC	123
		AsiSI site	
Query	101	CGCTCCCGGCCGGGCCCCGCCGGGTACCCTCCACTGGCCCCGAGCACTGGCACCCGGGAAG	160
Sbjct	124	CGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGCTGGCCCCGAGCACTGGCGCCCCGGGAAG	183
Query	161	CAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTGTGGGCCCCGA	220
Sbjct	184	CAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGGTGTCCCGTGTGGGCCCCGA	243

Clone#31

Query	19	CTTCTCTTCTCCTCGGGCGGAGCG-AGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGG	77
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Query	78	GAGCGCCGAGCCCC GCGATCGCC AGCCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGC	137
Sbjct	97	GAGCGCCGAGCCCC GCGATCGCC AGCCCCGCTCCCGGCCGGGCCCCGCCGGGTACACGCCGC	156
		AsiSI site	
Query	138	TGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATC	197
Sbjct	157	TGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATC	216
Query	198	ATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC 232	
Sbjct	217	ATGCCTCGGTGTCCCGTGTGGGCCCCGAAGCGAGCC 251	

Query	29	CCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAG	88
Sbjct	47	CCGCGGGCGGAGCGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGCCGGGAGCGCCGAG	106
Query	89	CCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCC GCCGGGTACACGCCGCTGGCCCCGAG	148
Sbjct	107	CCCC GCGATCGC CAGCCCGCTCCCGGCCGGGCCC GCCGGGTACACGCCGCTGGCCCCGAG	166
		AsiSI site	
Query	149	CAACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGG	208
Sbjct	167	C- ACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTCATCATGCCTCGG	226
Query	209	GTCCCGTGTTGGGCCCGAAGCGAGCC	233
Sbjct	227	GTCCCGTGTTGGGCCCGAAGCGAGCC	251

Query	21	GCATCT-TACGTCTCGGGCGGAGCGGAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGC	79
Sbjct	36	GCTTCTCTACG-CCGCGGGCGGAGC-GAAGTTGGCGGGCGCCGGGAGATGGCGCGGGAGC	93
Query	80	CGGGAGCGCCGAGCCCC GCGATCGC CAGCCCCTCCCGGCCGGGCCCGCGGGTACACGC	139
Sbjct	94	CGGGAGCGCCGAGCCCC GCGATCGC CAGCCCCTCCCGGCCGGGCCCGCGGGTACACGC	153
		AsiSI site	
Query	140	CGCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTC	199
Sbjct	154	CGCTGGCCCCGAGCACTGGCGCCCGGGAAGCAGGGCGCGCTTCTGCTGTTCTGCGTCCTC	213
Query	200	ATCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	237
Sbjct	214	ATCATGCCTCGGTGTCCCGTGTGGGCCCCAAGCGAGCC	251