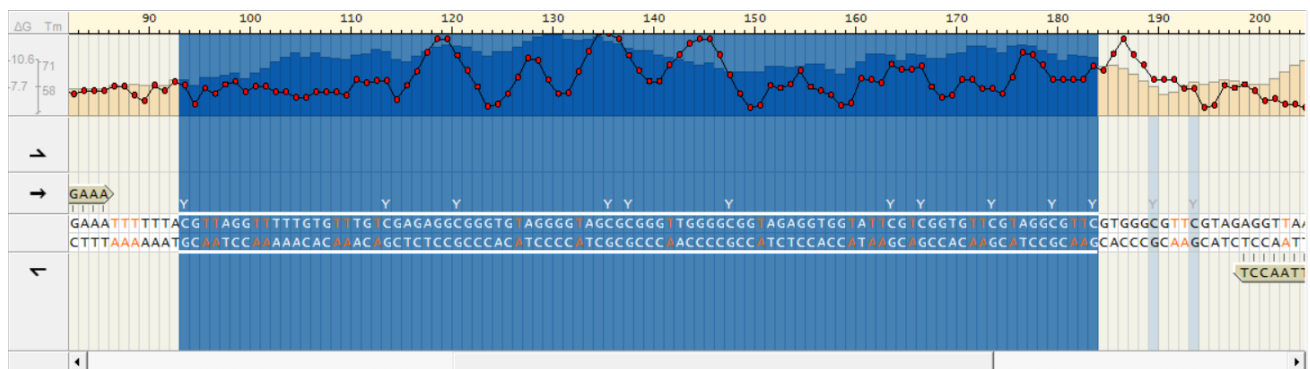


DMR_chr	DMR_start	DMR_end	position
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chr3	127398027	127398669	127398349
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chr3	127398027	127398669	127398361
chr3	127398027	127398669	127398377
chr3	127398027	127398669	127398380
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CACAATTTTCTCTACTGCTTTTGGCTCTGAAACCCTTTACGCCAGGCCTTTGTGCCTGCC
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GCCGGCGCCAAGCGATGGAGCCCACCTGAGTTGACGGAGACTCGGGCTTGTCCGATGACC
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AGTTTTCCGGAGACGTCGAGTCCATACAGGAACCGGTCCATCAAGAAGACAATAGCGGAG
GCGGCAGCGCAGTCTTGACAAGGATGGAGGCTCGCAAGGCCG

Q48



Primer Set 1 Score: 80
General Warnings

F1 GGGATAGATTTGTTAGTAGATAAAGG
R1 CCTACTCCCCACTTAACT
S1 TTTTATTGTTTTGTTTTGAAA

Primer Set 1 Score: 80

F1 GGGATAGATTTGTTAGTAGATAAAGG

General Warnings

←	R1	CCTACTCCCCACTACTTAACCT
→	S1	TTTTATTGTTTTGGTTTTGAAA

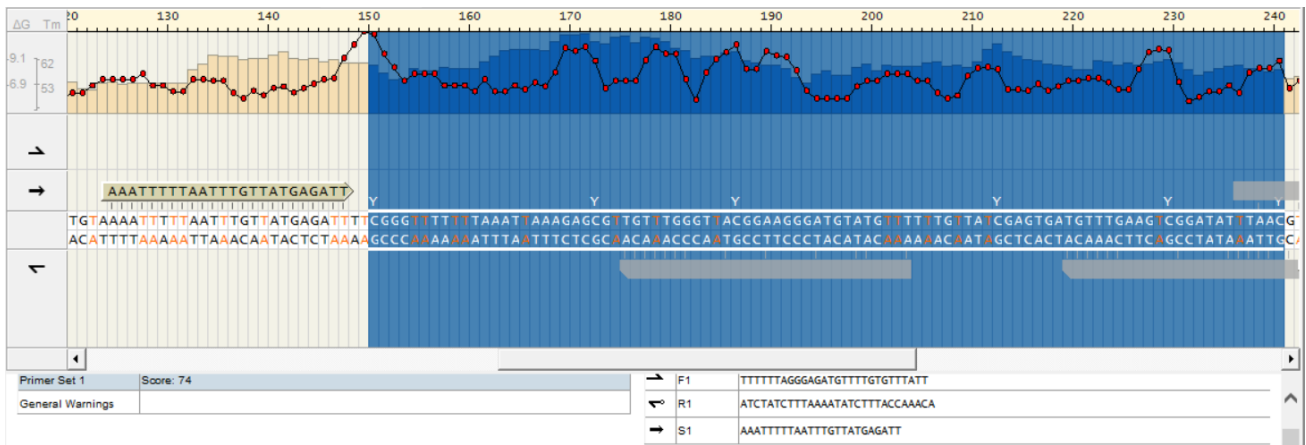
	PCR Product	Forward PCR Primer, F1	Reverse PCR Primer, R1	Sequencing Primer, S1
Length, nt	219	26	22	23
Position, 5'- 3'		1 - 26	219 - 198	63 - 85
Warnings				
Tm, °C		57.4	54.7	44.1
%GC	33.8	34.6	50.0	17.4
Sequence to Analyze	TTTTTAYGT TAGGTTTTG TGTTTGYGA GAGGYGGTG TAGGGTAGY GYGGTTGGG GYGGTAGAGG TGGTATTYGT YGGTGTTYGT AGGYGTTYGT GGG			

- chr4 6199108 6200081 6199802
- chr4 6199108 6200081 6199813
- chr4 6199108 6200081 6199830
- chr4 6199108 6200081 6199856
- chr4 6199108 6200081 6199870
- chr4 6199108 6200081 6199892

>4 dna:chromosome chromosome:NCBIM37:4:6199108:6200081:1

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AGGGGCTAAACTCG

反补序列设计, Q48



Primer Set 1	Score: 74	F1	TTTTTTAGGGAGATGTTTTGTGTTTATT
General Warnings		R1	ATCTATCTTTAAATATCTTTACCAACA
		S1	AAATTTTAAATTTGTTATGAGATT

	PCR Product	Forward PCR Primer, F1	Reverse PCR Primer, R1	Sequencing Primer, S1
Length, nt	194	28	29	24
Position, 5'- 3'		78 - 105	271 - 243	124 - 147
Warnings			Mispriming site detected	
Tm, °C		58.4	56.3	42.3
%GC	24.2	25.0	20.7	12.5
Sequence to Analyze	TTYGGGTTTT TTTAAATTAAGAGYGTGTTGT TTGGGTTAYG GAAGGGATGT ATGTTTTTTG TTATYGAGTG ATGTTTGAAG TYGGATATTT AAYGTTGTTT GGTAAAGATA TTTTAAAG			

DMR_chr	DMR_start	DMR_end	position
chr2	32502137	32502738	32502400
chr2	32502137	32502738	32502409
chr2	32502137	32502738	32502412
chr2	32502137	32502738	32502416
chr2	32502137	32502738	32502420
chr2	32502137	32502738	32502441
chr2	32502137	32502738	32502455
chr2	32502137	32502738	32502467
chr2	32502137	32502738	32502485
chr2	32502137	32502738	32502490
chr2	32502137	32502738	32502558

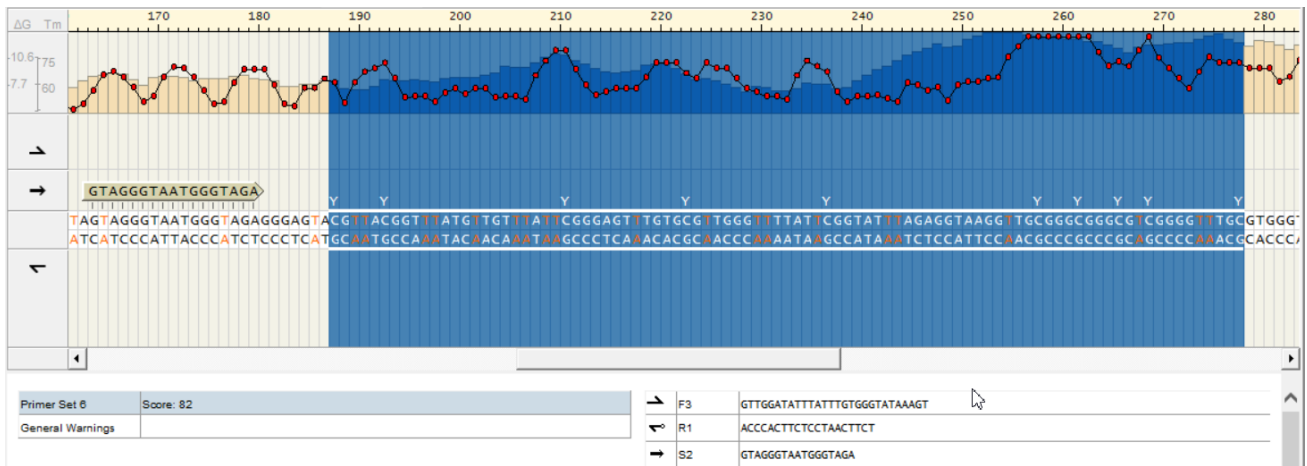
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 TCCCAAGCTACTAGCTGATGAAGCCACCCCAATGTATTAGGAGGTAGAAATGGGATCAC
 CAACTATTTTGGTTCAGTGGGAGTAAAATGTTTCATAGGATGCCAAACTTAAGCATTAGA
 CG

反补序列设计, Q48



Primer Set 6	Score: 82	F3	GTTGGATATTTATTTGTGGGTATAAAGT
General Warnings		R1	ACCCACTTCTCCTAACTTCT
		S2	GTAGGTAATGGGTAGA

	PCR Product	Forward PCR Primer, F3	Reverse PCR Primer, R1	Sequencing Primer, S2
Length, nt	258	28	20	17
Position, 5'- 3'		120 - 147	377 - 358	163 - 179
Warnings	Deviation from optimal amplicon size			
Tm, °C		58.6	60.4	45.1
%GC	39.1	28.6	45.0	47.1
Sequence to Analyze	GGGAGTAYGT TAYGGTTTAT GTTGGTTTATT YGGGAGTTTG TGYGTTGGGT TTTATTYGGT ATTTAGAGGT AAGGTTGYGG GYGGGYGTYG GGGTTTGYGT GGGTT			