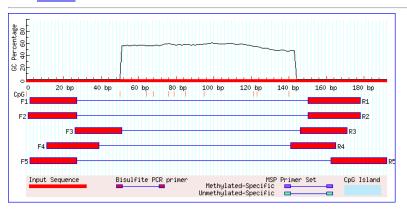
MethPrimer result

Please cite MethPrimer: Li LC and Dahiya R. MethPrimer: designing primers for methylation PCRs. Bioinformatics. 2002 Nov;18(11):1427-31. PMID: 12424112



Sequence Name: hg19_dna range=chr11:70211455-70211646 5'pad=50 3'pad=50 strand=+ repeatMasking=none Sequence Length: 192

CpG island prediction results (Criteria used: Island size > 100, GC Percent > 50.0, Obs/Exp > 0.6) No CpG islands were found in your sequence Primer picking results for bisulfite sequencing (or restriction) PCR

Primer Start Size Tm GC% 'C's Sequence
1 Left primer 2 25 59.05 56.00 6 TTGGTGTATTGGGGTTATTTTAGAT
Right primer 178 28 59.61 28.57 4 ACATTTATTTTCAACAAAAAAACAAAA
Product size: 177, Tm: 68.6, CpGs in product: 10

2 Left primer 1 26 59.73 57.69 6 GTTGGTGTATTGGGGTTATTTAGAT Right primer 178 28 59.61 28.57 4 ACATTTATTTTCAACAAAAAACAAAA Product size: 178, Tm: 68.5, CpGs in product: 10

3 Left primer 26 25 51.69 44.00 6 TTATAGGAAATGTTTGGTTAATATA
Right primer 171 25 58.91 36.00 4 ATTTTCAACAAAAAAACC
Product size: 146, Tm: 68.7, CpGs in product: 10

4 Left primer 11 28 59.74 50.00 6 TGGGGTTATTTTAGATTATAGGAAATGT Right primer 165 24 59.63 41.67 4 AACAAAAAAACCCCAAAC Product size: 155, Tm: 69.0, CpGs in product: 10

5 Left primer 2 25 59.05 56.00 6 TTGGTGTATTGGGGTTATTTAGAT Right primer 192 30 57.71 30.00 4 CTAAATAAAAAACAACATTTTATTTCAAC Product size: 191, Tm: 68.1, CpGs in product: 10

181 TTTTCCATTCAG ||||::|||:|| 181 TTTTTTATTTAG

** Explanations **

** Upper row: Original sequence **

** Lower row: Bisulfite modified sequence **

** (For display, assume all CpG sites are methylated) **

* ++ CpG sites **

** ::: Non-CpG 'C' converted to 'T' **

* >>>>> Left primer **

* **

* **

* Right primer **

MethPrimer v1.1 beta

Li Lab, PUMCH