

Supplementary Table 1: Primer sequence and localisation for DNA methylation analysis.

Locus	Location and strand analysed	Number of CpG analysed	Primers
1	GRCh38: Chromosome 19 : 45771796-45771732 (<i>DMPK</i> exon 11 and intron 11-12) Upper strand	9	F : TTTAGGAAGTTTTGGAGGAGGAG R : AAACCTCACCTATAACTCCCTCTAC S : GGGAGATGGAGGTTATT
2	GRCh38: Chromosome 19: 45771249-45771195 (<i>DMPK</i> intron 13-14) Lower strand	3	F : GAGATTTAGGAGGGAATTTGGTGAG R : CCTTCCCATATAAAACCCCTCTC S : GAATTTGGTGAGGTTTGAA
3	GRCh38: Chromosome 19: 45770962-45770913 (<i>DMPK</i> intron 14-15) Lower strand	9	F : GTTGTTTTTTAGAGGTTTGTGTTGATT R : ACCTACTACTCCCTACCAAATAAC S : AGTTAAGAGGGTGGTA
4	GRCh38: Chromosome 19: 45770546-45770496 (<i>DMPK</i> exon 15) Upper strand	8	F : GGGTTGTATTGGGTTGGTG R : AACACTCAATCTTCCAAC S : ATTGGGTTGGTGGTTTA
5	GRCh38: Chromosome 19: 45770438-45770384	6	F : GGGTTGTATTGGGTTGGTG R : CACAAAATAAACTAAAC

	(<i>DMPK</i> 3'UTR)		S : TTGGAAGATTGAGTGTT
	Upper strand		
6	GRCh38: Chromosome 19: 45770041-45769996	5	F : GTAAAGTGTAAGTTTTTTTTGTGTA R : AAATTATTAATAATCCTATAACCTATCA
	(<i>DMPK</i> 3'UTR)		S : GTGTAAAGTTTTTTTTGTGTATGA
	Upper strand		
7	GRCh38: Chromosome 19: 45769446-45769440	4	F : AGTTGTGGTTTAGTTGTGTTAT R : TCCTCTACAAACCCCCACAT
	(intergenic region between <i>DMPK</i> and <i>SIX5</i>)		S : CAATAAAAAAAAAATAACC
	Upper strand		
8	GRCh38: Chromosome 19: 45769420-45769376	8	F : AGTTGTGGTTTAGTTGTGTTAT R : TCCTCTACAAACCCCCACAT
	(intergenic region between <i>DMPK</i> and <i>SIX5</i>)		S : ACTAAAAAATTTACAACAACCTTTC
	Upper strand		

Forward primer (F), reverse primer (R), sequencing primer (S).