

Supplementary table 1. Primer oligonucleotide sequences for promoter methylation analysis

Molecule (Gene)		Primers
Nnmt	forward	5'- TGGGGTTATTTTTTTTGTGGTAGT
	reverse	5'- AAAACTATCAATCTTCCTCCAACCTC
Tp53	forward	5'- TTTAGTTGGATAGGAAAGAG
	reverse	5'- CGTAACACCCTACTAAAAAA
Bhmt	forward	5'- GGTTATTAGAAATTGTAAAG
	reverse	5'- CCTAAAACCTACCAACTAAAAA
Cbs	forward	5'- TGTTTTGGGATTTTTAGATG
	reverse	5'- TTACCCTTTTTCTAACTATACCT
Ins1	forward	5'- ATTTTTTTTGGGATAATGATTGTGT
	reverse	5'- CTCCTCTCTACCCCCTAAACTTTAC
Dnmt1	forward	5'- AGGGGAGTATTATTTGTTTTTAAGG
	reverse	5'- TCAAATCCCAATCAATAAACTTAC
Mtr	forward	5'- TTAGGATTATATTTTTTATAGGGTTA
	reverse	5'- ACATCATACAAAACCTTCCAAAAAC
Cat	forward	5'- AGTGAGAGAAGTTAGAAAAAGAA
	reverse	5'- CAACTAACACAAATACCAAACCT

Supplementary table 2. Primer oligonucleotide sequences for real-time quantitative PCR

Molecule (mRNA)		Primers
Nnmt	forward	5'- GCAGAAGTGGCTGAAGAA
	reverse	5'- CCTTGGTTCTGTTGCCTT
Dnmt1	forward	5'- CAGATGTTCCATGCACACT
	reverse	5'- TGTGGATGTAGGAAAGTTGCA
Cat	forward	5'- CTGACGTCCACCCTGACT
	reverse	5'- GGCAGCTATGTGAGAGCC
Tp53	forward	5'- CATGAGCGTTGCTCTGATG
	reverse	5'- CAGATACTCAGCATAACGGATTTCC
Mtr	forward	5'- AGCCGCCGAGGAGATAAC
	reverse	5'- TAGTCGGACCCAGAGATCCA
Bhmt	forward	5'- GGGAACTACGTGGCAGAGAA
	reverse	5'- CGTGCAATGTCACAAGCAG
Cbs	forward	5'- TGCCTGAGAAGATGAGTATG
	reverse	5'- GGTCCAGAATGTGAGAATTG
Gapdh	forward	5'- TGA CTCTACCCACGGCAAGTTCAA
	reverse	5'- ACGACATACTCAGCACCAGCATCA