

Table SI. Primer sequences.

Gene	Sequence, 5'→3'
GAPDH-F	CCTCGTCCCGTAGACAAAATG
GAPDH-R	TGAGGTCAATGAAGGGGTCGT
NSUN6-F	CATGTCAGAGGTCTGCTGCT
NSUN6-R	GTCCAGTCATGGGGATGAGC
UHRF1-F	TGAGTGTGACATGGCCTTCC
UHRF1-R	GTGGCTGATGCCATCTTTGC
TDG-F	TACCCTGGGCCTGGAAATCA
TDG-R	GTA CTTGCCGGGTAAGGTGT
TET2-F	TGTTGTCAGGGTGAGAATCCA
TET2-R	TGGAGCAATGACAGTAGCCA
NTHL1-F	CTACGAAGGGGACATCCCTG
NTHL1-R	CACCTCAGTCGGTTGGCTAT
NSUN5-F	CACGAGCATCCACTCTACCG
NSUN5-R	GCTTAGCGTCCTGGTCGAAA
DNMT3B-F	CCTGCCCCGCAAAGGTTTATA
DNMT3B-R	AATGGACGGTTGTCGCCCT
MBD3-F	AGCAACAAGGTCAAGAGCGA
MBD3-R	CAGGGTGCTGGTGTGTAGAG

F, forward; R, reverse; NSUN, NOP2/Sun RNA methyltransferase; UHRF, ubiquitin-like with plant homeodomain and ring finger; TDG, thymine DNA glycosylase; TET, ten-eleven translocation; NTHL, nth-like; DNMT3B, DNA methyltransferase 3 β ; MBD3, methyl-CpG binding domain3.