

Supplementary Figure S1. Primers for gene expression real-time PCR, and methylation, including PCR conditions.

Gene expression eal-time PCR primers			
Family	qPCR Target RNAs	Forward primer (5' to 3')	Reverse primer (5' to 3')
Alu	<i>AluY</i>	CAAGGTGAAACCCGTCTCTAC	CCATTCTCCTGCCTCAGCC
	<i>AluJ</i>	CATAGCGAGACCCGTCTCTAC	CGATCCTCCTGCCTCAGC
LINE-1	L1 5'UTR	CTCAAGTGGGTCCCTGACTCC	TCTGTTGGAATACCCTGCCG
	L1 ORF1	GGACATTCAAACCAAAGGCAA	ATCAGCTCCTTTAAGCACTTCTCTG
Housekeeping gene	B2M	GGCTATCCAGCGTACTCCAAAG	TGGATGAAACCCAGACACATAGC

Methylation primers					
Family	Assay	Forward Primer (5' to 3')	Reverse Primer (5' to 3')	Sequencing Primer (5' to 3')	Annealing temperature (°C)
<i>Alu</i>	AluYb8	Biotin-AGATTATTTTGGTTAATAAG	AACTACYAACTACAATAAC	AATAACTAAAACCTACAAAC	53.9
	AluSx	Biotin- TTTTTATTAAAAATATAAAAATT	CCCAAACATAAAATACAATAA	AATAACTAAAATTACAAAC	50.0
LINE-1	L1Pa5	TTAGTTAAGGGAAGAGGGGATAAA	Biotin- ATAAACATAAAACCCCTCTAAACCAAACA	TTAGTTAAGGGAAGA	40.0
	L1Pa2	TTAGATAGTGGGYGTAGGTTAGTGGG T	Biotin-CCTCCRAACCAAATAT AAAATATAATCT	GAGTTAAAGAAAGGG	55.0
	L1Hs	TTTTGAGTTAGGTGTGGGATATA	Biotin-AAAATCAAAAAATTCCCTTTC	AGTTAGGTGTGGGATA TAGT	56.3