

Supplementary Table S1A. Primer sequences used in methylation analysis by pyrosequencing.

Gene	Primer sequences for pyrosequencing	Annealing temperature [°C]	Amplicon length [bp]
MAML2 (Assay 3, three CpG sites)	FW 5'-GGGGTATTTTTGAGTTTTGAGTTAGA-3' RVBio 5'-AACATCCAAATATCAATATTATTATCAACC-3' Seq 5'-AGTTTTGAGTTAGAAATT-3'	52	270
MOBP (Assay 1, two CpG sites)	FW 5'-GTGTTGTTTTGGAGTGTGATAG-3' RVBio 5'-CCAAACTACACTCAACAACCTATACAC-3' Seq 5'-ATTTGGTTTAGATTATATGGTTAA-3'	59	229
HCRTR2 (Assay 1, one CpG site)	FW 5'-GTGTAAAAAGATGTGGGTGATTAAG-3' RVBio 5'-CTTCACAAACCTTTAAAACTAAC-3' Seq 5'-TGTAGATATTAAGATTATGGAATTT-3'	54	171
FGF7 (Assay 1, two CpG sites)	FW 5'-GTTTATTTTATTTGATGAGGGAATTGAG-3' RVBio 5'-AATCCAACCACCACTACCA-3' Seq 5'-GATGAGGGAATTGAGT-3'	59	88
RNF150 (Assay 1, two CpG sites)	FW 5'-AGAGTTTGGGTAAATGATGTGG-3' RVBio 5'-CCCCTACAACCTCCTCTACACTAT-3' Seq 5'-TTTGTGAGTTGTTAATATGT-3'	56	287
JMJD1C (Assay 1, one CpG site)	FW 5'-TTGGTAGATTAGTGAATGTTAAATAATGT-3' RVBio 5'-AAAAATACAAAATTAACCAACCTACT-3' Seq 5'-TGTTGTTTTATATGATTATATATT-3'	56	336
PRKG1 (Assay 2, three CpG sites)	FW 5'-GGTAATTGTTGTTATTTAAGGATTAAGTG-3' RVBio 5'-AACTACCCTTCCCTCCCTAAA-3' Seq 5'-ATTTTTTTTTTTGGTATTATATAG-3'	54	238
SH3PXD2B (Assay 2, three CpG sites)	FW 5'-TGGGATATATTTATTGTAGAAATTTAGTT-3' RVBio 5'-CAAAAAAAAAAACACATACTCCCTTTTA-3' Seq 5'-GTAATTTATTAGTTTTGAGTGG-3'	54	245
NDUFS6 (Assay 1, five CpG sites)	FW 5'-AGAATGGAGTTTTGAGTTTGAATTTAGA-3' RVBio 5'-ACCTCCCTACAAAAAACTAC-3' Seq 5'-ATGGGAGGTTAGGGTTAT-3'	54	287

Supplementary Table S1B. Primer sequences used in expression analysis (QPCR).

Gene	Primer sequences for QPCR	Annealing temperature [°C]	Amplicon length [bp]
MAML2	FW 5'-GTGGCAGTGGTGGGATAAA-3' RV 5'-TTGCTGTTGGCAGGAGATAG-3'	59	136
NOTCH1	FW 5'-AATGGCGGGAAGTGTGA-3' RV 5'-CATGTCCCAGGCTTCTT-3'	59	125
HES1	FW 5'-AGGCGGACATTCTGGAAAT-3' RV 5'-CAGCACACTTGGGTCTGT-3'	59	92
HEY1	FW 5'-AGACCATCGAGGTGGAGAA-3' RV 5'-AATCTGGGAAGATGTAGTTGGG-3'	59	92
GAPDH	FW 5'-TGCACCACCACTGCTTA-3' RV 5'-AGAGCAGGGATGATGTTTC-3'	59	177

Supplementary Table S1C. Primer sequences used in quantitative ChIP analysis (QChIP).

Gene	Primer sequences for QPCR	Annealing temperature [°C]	Amplicon length [bp]
MAML2	FW 5'-TCTCTGAGCCAGAAATCATTCG-3' RV 5'-CGCATTCATGGTGCTTTCTAAAT-3'	59	95