

Table S2. Primer sequences used in this study

Primers used validation of H3K27me3 peaks/BLOCs					
name	Sequence (5' → 3')	chromosome position (mm9)			
Lgr5_Fw	TCGGAGATGTCTGCAGTGTCTC	chr10	115022166	115026860	
Lgr5_Rv	GACATCAAAGGGCGTTGTTT				
Tspan8_Fw	AACCCCTCACTGACAACCAG	chr10	115140959	115148010	
Tspan8_Rv	AGCCAAAGCCAAGGGTATTT				
Ptpr_Fw	CAAAGGTCCTTGCGTCTCTC	chr10	115455488	115456261	
Ptpr_Rv	GCAGAAAAGAGGCAGTGGTC				
Golph3_Fw	CAAAGGTCCTTGCGTCTCTC	chr15	12343378	12349420	
Golph3_Rv	GCAGAAAAGAGGCAGTGGTC				
6030458C11Rik_Fw	GCCGTAAGTGCAATCCAAAAT	chr15	12667169	12669221	
6030458C11Rik_Rv	GCTGGTAGGTGTTGGGAAAA				
Plcl2_Fw	TGTTGTGTTTGGCTCCCATATA	chr17	50582892	50586740	
Plcl2_Rv	GCTGTCCAAAACCTCCACAT				
Plcl2_Fw	GCATTGGGAAAGAATGGAGA	chr17	50649198	50650782	
Plcl2_Rv	GTCCTACCCAGGCAGGTACA				
Mgst2_Fw	TCAAGTGGCAGAATGCTTTG	chr3	51636919	51649777	
Mgst2_Rv	CCATCCCATCCGTAAATGTC				
Maml3_Fw	GTGGTTGGCAAGCATTTTCT	chr3	51907891	51908829	
Maml3_Rv	GCGGCATAAACACCAAAACT				
Slc44a5_Fw	GTGAGATGCTTGACAGGACAA	chr3	153636629	153639293	
Slc44a5_Rv	TCATCATTAGCGGGGAGAAC				
Slc44a5_Fw	AGTAAGCGAGGGCATTTCAGA	chr3	153713839	153717821	
Slc44a5_Rv	CCTCCCATTTCTTGTTCCTAA				
Gabbr2_Fw	GTTCTCCATGGCACAAACCT	chr4	46895498	46900487	
Gabbr2_Rv	TGGAAGTTGACGTGGGTGTA				
Gabbr2_Fw	ACCCAGGCCAAAGTAGTCCT	chr4	47004950	47005956	
Gabbr2_Rv	GTCAGGCTTTGGGATGTTGT				
Cep135_Fw	CACTGGGACCTTTGATTTCGT	chr5	77084553	77086920	
Cep135_Rv	AGTCTACCGGGCCTTTTGAT				
C530008M17Rik_Fw	AGCCTGACCTTCCAGTCTCA	chr5	77190576	77196271	
C530008M17Rik_Rv	CATCATACAGGGTGGCTGTG				
C530008M17Rik_Fw	AGTCCACGACCACTTTGGAC	chr5	77285018	77288440	
C530008M17Rik_Rv	TCTTCTTCTGTTCCGCCTGT				
Actb_Fw	ACTGCCCCATTCAATGTCTC	chr5	143668353	143668896	
Actb_Rv	GATGCTGACCCTCATCCACT				
Gapdh_Fw	GAGACCTGAATGCTGCTTCC	chr6	125115415	125116334	
Gapdh_Rv	ACCGAAGAACAACGAGGAGA				
Tshz3_Fw	TCCCGTAACCTTCGGTAAACG	chr7	37476810	37480713	
Tshz3_Rv	AACAGCAGAGGGACAGGAGA				
Antxr1_Fw	ACCTTGACCTCCTCCCAACT	chr6	87283928	87285395	
Antxr1_Rv	TGGATCTGTGCCTCAGTCAG				
Antxr1_Fw	ACCTTCATTGCCTGGACAAC	chr6	87176363	87178714	
Antxr1_Rv	CACCCTCTGCTCTGTCTTCC				
Foxp1_Fw	TCTTGCTTGAAGAGCAGCAA	chr6	99469056	99470564	
Foxp1_Rv	ACCCAGGACACTGCAATAGG				
Foxp1_Fw	CCCTGCTTTGAAGTGAGAGG	chr6	99083878	99088626	
Foxp1_Rv	ACAGGTTGCAGGTATGGAG				

Primers used for bisulfite sequencing					
name	Sequence (5' → 3')	chromosome position (hg18)			
ADORA2A_Fw	GTGTGGTTTAATAGTAATTTGTAGAA	chr22	23159463	23159620	
ADORA2A_Rv	AAACAAACAATAAAAAACAACC				
RUNX3_Fw	ATTATGGATTGATTTTGTGTTAG	chr1	25130744	25130945	
RUNX3_Rv	AAAATTCAATAAAAAACCTTTACC				
HIF3A_Fw	GATTGGGGTTTAGAGAGTAGAGTGA	chr19	51491811	51492004	
HIF3A_Rv	AAAAAAAACCTTAAAAAACAAAAAAA				
MPO_Fw	TAGTTTTAGTTGGTTGGATATGTTG	chr17	53710330	53710500	
MPO_Rv	ATTCTACCTAAACACCTTCCTTACC				
ABHD6_Fw	TAGTAGGGGTTTAATTAGAGGTGGT	chr3	58197615	58197853	
ABHD6_Rv	AAAACCCCAATCCTCTAAAC				
CDH4_Fw	TTTGTGTTGTATGGGGTAGGTTTTTA	chr20	59261339	59261528	
CDH4_Rv	ACCCCAAAACCTTAAACAAAA				
LAMA5_Fw	ATTTTATTTAGAGGTTAATAGGTTTTAGTT	chr20	60374980	60375279	
LAMA5_Rv	CATTTTAAAAACCCAAAAAACAC				
SLCO5A1_Fw	GTTTTAGGGTATAAATAGGTGTGGAGTT	chr8	70906653	70906773	
SLCO5A1_Rv	CCCTACCAAAATCCAAAAATTAAC				
CRHBP_Fw	TTAGGAATTTTTAAAGATTTGAATT	chr5	76286076	76286241	
CRHBP_Rv	CATAAAAAACAACCTCTATACTCTC				
CASR_Fw	GTATGGATTAGTAAAGTAAAGGTAG	chr3	123431774	123431944	
CASR_Rv	TACTAAAACAAAAAATCTAAACTC				
CNPY1_Fw	TTTTAATTAGTGTGGGGAGTAAG	chr7	155011667	155011853	
CNPY1_Rv	TATTTAAAAATATCCCCTACCAACC				