

Supplementary Table S2:
Primer sequences (5'-3')

RT-qPCR		
Gene	Forward (5'-3')	Reverse (5'-3')
<i>Sp7 (mouse)</i>	AACCTGGAGGCGAGTTAGCA	CTGCCTCAGCACAAACAGACC
<i>Sp7 (rat)</i>	AGGAGGGTAGGAAGGGTGGT	GAAACACAATGGGGCTGGT
<i>Runx2 (rat)</i>	CCAGCTCATTATTGTAGTATT	GCTACGAATCTCTAATCTTAA
<i>Bglap (rat)</i>	TAAGAGATCAGCAGGTATTAT	CCGCTGTCTGTGCCAGGATA
<i>Ric8B (rat)</i>	CGGACTGTACAGCTCATTAAA	GCCGACAACAATGAGAACCCTT
<i>GAPDH (mouse)</i>	CGAACCTGTTAATAAGATCAA	GCAAGATGAAACTCGGTGATT
<i>GAPDH (rat)</i>	GCGGACTGTACAGCTCATTAA	CGGACTGTACAGCTCATTAAA
<i>Tet1 (mouse)</i>	CGTTCTCTTTGGAAAGGTGTT	GCCAACCTGTACTATGTTTAA
<i>Tet2 (mouse)</i>	GCAAGCTACTTCCATGGGTTA	CGAACCTGTTAATAAGATCAA
<i>Tet3 (mouse)</i>	GCAAGATGAAACTCGGTGATT	GCGGACTGTACAGCTCATTAA
<i>MyoG (mouse)</i>	CCTACAGCAGATCACTCACAT	CGTTCTCTTTGGAAAGGTGTT
<i>Myt1L (mouse)</i>	GCCAGTGATTTGGAGGTGAAT	CCAGTGGTTGAAGACTAGCAA

ChIP		
Region	Forward (5'-3')	Reverse (5'-3')
<i>Sp7 (mouse)</i>	CCCATCGTGTACTACCACG	GCGCGAGCGCAACAACATC
<i>Sp7 (rat)</i>	GCTCCAATACTGTTGGCACTA	CCACCAACAATGCTTCATCTT
<i>Bglap -5Kb (rat)</i>	TCCAAGGAGTATAAGCAGAGG	GGTGCTCGGATCCCAAAGAA

MedIP		
Region	Forward (5'-3')	Reverse (5'-3')
<i>Sp7 (mouse)</i>	TTAGCTGGCTTAAGGATGCG	GTGAAGACCGTTATGGTCAA
<i>IAP (mouse)</i>	TTGGGACAGTCCAAGTCTT	CCCTTCACCACCTTCTTGAT
<i>CSa (mouse)</i>	ACATATCCAAGGACGTGTAA	AGCTAACTCCAACCTTCCAG

DNA methylation analyses using restriction endonucleases		
Region	Forward (5'-3')	Reverse (5'-3')
<i>Sp7 (mouse)</i>	TGGACAATGCTCAGGGGTCCC	GTAGACGTGATCCGATCCACA
<i>Sp7 (human)</i>	CGACACAGCCGCACTCTTCC	TGCTTGAACAAGTTCGGCAG
<i>Ric8B (mouse)</i>	GCACCTTCTCTGCACAAGG	ACAACCCCTTCAGCTCCTT
<i>Ric8B (human)</i>	CAAGAAGCAGACAATAATCA	CGTATGCTATGATCAGGTTCT
<i>Runx2 (mouse)</i>	CTGTCCACGCTGATGAAAGA	AGAGGGAGCCAGCTTTGAA