

Table S1. Primer and PCR parameter used for DNA methylation examination^a

	Primer sequence (5'–3')	Sequence accession	Location of primer	Position of CpG island	Fragment size(bp)	No. of CpG sites in CpG island	Annealing temperature (°C)
<i>β-actin</i>	F: GTTTTTTTTTTTGGGTATGGAAT F':TTTTTAATTTTATTATGAAGTGTGA R: CCACATCTACTAAAAATAAACA	AY141970	828-850 872-896 1085-1107	Exon	236	17	50 50
<i>VEGF</i>	F: TGAGGTAGTTGTGTGTATAGATAGT R':AAAAAAACAAAAATTCATAATTC R: AACCTAAAACCACTAACATAATAA	NM_174216	368-392 540-564 599-623	Exon	197	23	50 50.7
<i>art2[19]</i>	F: TTTATGTGAAGAGTTGATTTATTGGA R: CCAAACCTCCCTATCCATCTC	X05087	63-83 199-224		162	5	51.4
<i>oct4</i>	F: GATTTGGATGAGTTTTTAAGGGTTTT R: ACTCCAACCTTCTCCTTATCCAAC	AF022986	3054-3079 3323-3346	Exon1	293	24 or 20 ^b	51.6
<i>TERT</i>	F: ATTAATAGAGAATTGGTTTGAGG F': AGTTTGGAGTTAAGGAAATTAAGT R: AATCCAAAAAAAACCTCATAACAAC	DQ399842	302-324 374-397 632-655	Promoter	282	24	50 50.7
<i>H19</i>	F : TAATTATTTAGTAGTAGGTTATAG R': CAATATCCCCAAATACACTAAAA R: CCCCTAAATACTATTCTATCTCT	AY849926	582-606 831-853 895-917	Exon1	272	24	50 50.7
<i>Igf2</i>	F: GTTTTGTTTATTTAGGATTTTGTTA F':GATTAGAAGTGAGTTAAAGTGT R: AATATTATTCTAATCCCCTCAAC	NM_174087	586–610 643–664 837–859	Exon10 (DMR)	217	12	50 55.4

^a F, forward outer primer; F', forward inner primer; R, reverse outer primer; R', reverse inner primer.

^b The amplified CpG island included 24 CpG sites or 20 CpG sites (an absent 13bp from 243 to 255 nt in some clones).

Table S2. Primer and PCR parameter used for histone H4 acetylation examination ^a

	Primer sequence (5'—3')	Sequence accession	Position	Fragment size(bp)	Annealing temperature (°C)
<i>β-actin</i>	F: GCTCGCCATCAGTTACAAG	AY293622	420	231	56
	R: GGACACACAGACCCGAGAGT		631		
<i>VEGF</i>	F: GAGACCCTGGTGGACATCTTCC	NM_174216	708	121	62
	R: GCACACACTCCAGACTTTCGTC		807		
<i>art2</i>	F:CATCCAGCCATCTCATCCTC	X05087	138	179	60
	R:GAGATCCAACCGATCCATTC		316		
<i>Oct4</i>	F:GAGGAAGAGACAAGTGCAAGCAAT	AF022986	1495	103	60
	R:AGCGTCTAGAGCTACTTGGTGAGC		1597		
<i>TERT</i>	F:GTTTCCTTCCAACGTGAGCCTCG	DQ399842	3957	102	60
	R:AGCAGTGAGAGCAACGTCTACCTT		4058		
<i>H19</i>	F:GGATATCGACGTTTCCTTTAGACTC	AY849926	1455	248	60
	R:AAATGCAGCATATTCTTGAGTCAG		1702		
<i>Igf2</i>	F: TGCTCCTCTTGTCACATAACACACA	NW_930796	360	98	60
	R: GCATGGTGACAAATAACATCATAACC		457		

^a F, forward outer primer; R, reverse outer primer.

Table S3. Primer and PCR parameter used for real-time quantitative PCR ^a

Gene	Primer sequence (5'–3')	Sequence accession	Position	Fragment size(bp)	Annealing temperature (°C)
<i>GAPDH</i>	F: C G A C T T C A A C A G C G A C A C T C A C	NM_001034034	918-939	118	60
	R: C C C T G T T G C T G T A G C C A A A T T C		1015-1036		
<i>β-actin</i>	F: T G G C G C T T G A C T C A G G A T T T	NM_173979	1344-1363	105	60
	R: G T A C A A T C A A G T C C T C G G C C A C		1427-1448		
<i>VEGF</i>	F: G A G C G G A G A A A G C A T T T G T T T G	NM_174216	984-1005	104	60
	R: C G T T C G T T T A A C T C A A G C T G C C		1066-1087		
<i>H19</i>	F: A G A G A T G G T G C T A C C C A G C T C A	AY849926	1615-1636	101	60
	R: T G T A G T G G T T C C A A A T G C A G C		1694-1715		
<i>Igf2</i>	F: G C A T C G T G G A A G A G T G T T G C T T	NM_174087	302-323	102	60
	R: T C G T A G A G G C A G A C A C A T C C C T		382-403		

^a F, forward outer primer; R, reverse outer primer.