

S1 Table. Detail of primers for bisulfite sequencing and quantitative real time PCR.

Gene	Primer sequence (5'-3')	Length (bp)	Accession number
Bisulfite sequencing analysis			
	Outer		
H19/Igf2	F:GGTTTTAGGGGATATTTTT	384	AY044827
	R:TTAAAAAACATTACTTCCATATAC		
	Inner		
	F:GATTTTTAGGTTTGTATTATTT	208	
	R:CAAATATCAATAAAAAAACCC		
Gene expression analysis			
Igf2	F:CCGTGGCATCGTGGAAGAGTG	170	NM_213883
	R:TCCAGGTGTCATAGCGGAAGAAC		
H19	F: TCAAACGACAAGAGATGGTGCTA	118	AY044827
	R: CAAGTAGTGTAGTGGCTCCAGAATG		
Hat1	F: GACTGTGTGGAGGCAGATGATGTA	150	XM_005671969
	R:GAGAACCGAGTATGTATGGAGTAAGG		
Hdac1	F: GCTGGCAAAGGCAAGTATTATG	139	XM_005665200
	R: CACACTGTAAGACGACCGCAC		
Dnmt1	F:GCGTCTTGCAGGCTGGTCAGTA	152	NM_001032355
	R:CTTCTTATCATCGACCACGACGCT		
Dnmt3a	F:ATGTGGTTCGGAGACGGCAAGT	195	NM_001097437
	R:GCTCTCGTCGTTGTCATGGCA		
β2m	F:CTTCTACCTTCTGGTCCCACTG	116	NM_213978

R:GTGGTCTCGATCCCACTTAACTATC

18s

F:AATCTCGGGTGGCTGAACGC

143

NR_002170

R:CCGTTCTTAGTTGGTGGAGCGAT
