

OCT4 silencing triggers its epigenetic repression and impairs the osteogenic and adipogenic differentiation of mesenchymal stromal cells

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Supplementary material

Supplementary Table 1. DNA primer sequences.

Primer	Sequence (5'-3')	Size (bp)
<i>Gene expression</i>		
OCT4-forward	CAATGCCGTGAAGTTGGAG	119
OCT4-reverse	CCAAGGTGATCCTCTTCTGC	
SOX2-forward	ACATGTGAGGGCTGGACTG	140
SOX2-reverse	CGTTTCGCTGCGGAGAT	
NANOG-forward	TCTGGGAACGCCTCATCA	128
NANOG-reverse	AGAGGCAGGTCTTCAGAGGAA	
ALP-forward ¹	AACCCAGACACAAGCATTCC	213
ALP-reverse ¹	CCAGCAAGAAGAAGCCTTTG	
RUNX2-forward ¹	CCACCACTCACTACCACACG	250
RUNX2-reverse ¹	TCAGCGTCAACACCATCATT	
COL1a1-forward ¹	CACCCTCAAGAGCCTGAGTC	250
COL1a1-reverse ¹	CGGGCTGATGTACCAGTTCT	
OCN-forward ¹	TTCTGCTCACTCTGCTGACC	251
OCN-reverse ¹	TTTGTAGGCGGTCTTCAAGC	
C/EBP α -forward ¹	GATAAAGCCAAACAACGCAAC	257
C/EBP α -reverse ¹	CTAGAGATCCAGCGACCCGA	
PPAR γ 2-forward ¹	TTTTCCGAAGAACCATCCGAT	343
PPAR γ 2-reverse ¹	ACAAATGGTGATTTGTCCGTT	
FABP4-forward ²	ACACCGAGATTTCCTTCAAACCTG	88
FABP4-reverse ²	CCATCTAGGGTTATGATGCTCTTCA	
GAPDH-forward	ATGGTGAAGGTCGGTGTGA	81
GAPDH-reverse	CTCCACTTTGCCACTGCAA	
<i>Bisulfite sequencing</i> ³		
OCT4-out forward	GAGGATTGGAGGTGTAATGGTTGTT	621
OCT4-out reverse	CTACTAACCCATCACCCCCACCTA	
OCT4-in forward	TGGGTTGAAATATTGGGTTTATTT	533
OCT4-in reverse	CTAAAACCAAATATCCAACCATA	

¹ Zhang *et al.*, J Biol Chem. 2008;283:4723-9.² Jang M and Jung MH, Biochem Biophys Res Commun. 2015;456(1):80-5.³ Gao *et al.*, Cell Stem Cell 2013;12(4):453-69.