

Supplemental TABLE 1. Antibodies

Antibodies	Source	Dilution (WB/ChIP)
Primary antibodies		
H3K27ac	Rabbit (ab4729, Abcam)	1:1000 (WB), 1 µg/µl (ChIP)
H3K9ac	Rabbit (ab4441, Abcam)	1 µg/µl (ChIP)
H3K9ac	Rabbit (9649S, Cell Signaling)	1:1000 (WB)
H3K4me3	Rabbit (9751S, Cell Signaling)	1:1000
H3	Rabbit (9715S, Cell Signaling)	1:1000
H3K27me3	Rabbit (9733S, Cell Signaling)	1:1000
H3K9me3	Rabbit (13969S, Cell Signaling)	1:1000
H3K9me3	Rabbit (ab8898, Abcam)	1 µg/µl (ChIP)
Secondary antibody		
Anti-Rabbit	170-6515, Bio Rad	1:5000

Supplemental TABLE 2. ChIP -PCR Primers.

ChIP Primers	Sequence
<b>Upregulated genes</b>	
SERPINA5 fwd	CCTGGGGAAGGAGAGGGAGA
SERPINA5 rev	CCCGGTGGTCTCAGCCATAC
HSD3B1 fwd	GGGGCACAAGGGATTTTGT
HSD3B1 rev	CGATGCTGGAGAGGCCACA
HSD17B14 fwd	CTGGGGTCGTGGATTTCTGG
HSD17B14 rev	CCTCTTCCCTCAGGCCAGT
CLTA4 fwd	GAGGGCCAGCAGCTAAAGCA
CLTA4 rev	GCGCAGGAGTCCCCCTAAGT
SPP1 fwd	GCTGTTGACTTCAGTGTTTTCG
SPP1 rev	GTCTCCATTTTCCAATGTGC
OXTR fwd	CTGTGGGTTCTGGGGAGTAA
OXTR rev	TCCACTGAAGGAGAGGGAGA
<b>Downregulated genes</b>	
TNK1 fwd	CACTACCCAGCGGCCAGACT
TNK1 rev	AGCCAAGGCCAGAGCAGAGA

LIPG fwd	GTTCTGGCGTCAGCGAAGGT
LIPG rev	GCTCCCGGCGAGGTACTTTT
HEY2 fwd	TGTACCAGCGGTTCGTTGGA
HEY2 rev	GAGCGCCCACCACTCAAAG
NDRG4 fwd	GTGACTGGCACCCCTCCTG
NDRG4 rev	GGACAGTGGGGTCTGGAGGA