

Table S1: List of primer pairs sequences.

Genes	Forward Sequence (5' to 3')	Reverse Sequence (5' to 3')
ADAM metallopeptidase domain 9 (ADAM9)	GGACGGAACCAGACTGCTG	CCACTGAACAAAGTTGCCCA
Adiponectin (ADIPOQ)	AGCCGCTTATATGTATCGCTCA	TGCCGTCATAATGATTCTGTTGG
AKT1	CCAAGGCCCAACACCTTTTATC	TTCTGCCTCTTGAGTCCATC
ANGPT1	TGCACTAAAGAAGGTGTTTTGCT	CCTCCCCATTACATCCATATT
ANGPT2	CGAGGCGCATTTCGCTGTAT	GGCTATGACTACTTATTTTGCCC
ANGPTL4	TCCAACGCCACCCACTTAC	TGAAGTCATCTCACAGTTGACCA
CCL2	TTAAAAACCTGGATCGGAACCAA	GCATTAGCTTCAGATTACGGGT
CCL11	GAATCACCACAACAGATGCAC	ATCCTGGACCCACTTCTTCTT
Cyclin-dependent kinase 4 (CDK4)	CCAATGTTGTACGGTGTATGG	TGTCCAGGTATGCTCCAGGT
Cyclin-dependent kinase inhibitor 2B (CDKN2B)	CCCTGCCACCCTTACCAGA	CAGATACCTCGCAATGTCACG
cystatin A (CSTA)	TACGGAGGTGTTTCAGAGGGC	CAGCGACGGCTTGAGTTTT
CXCL1	CTGGGATTCACCTCAAGAACATC	CAGGGTCAAGGCAAGCCTC
CXCL5	TGCGTTGTGTTTGGCTTAACCG	AGCTATGACTTCCACCCTAGG
CXCL9	GAACGGAGATCAAACCTGCCT	TGTAGTCTTCTTGAACGACGA
CXCL10	CCAAGTGCTGCCGTCATTTTC	GGCTCGCAGGGATGATTTCAA
Epidermal growth factor receptor (EGFR)	GGGAGCATTGGCACAGTGTA	GCCATCACATAGGCTTCGTCAA
EPHA3	TTCTGGTCGGGAGGTTTTGTG	ACTGTGTAGTAGGGTCTTGA
EPHB3	ACCGTAAGAGACTGTAACAGCA	GTCCACTTTCACGTAGGGGTT
Fatty acid synthase (FAS)	AGAGATCCCGAGACGCTTCT	GCCTGGTAGGCATTCTGTAGT
Fibroblast growth factor 1 (FGF1)	CAGCTCAGTGGGAAAAGTG	TGTCTGCGAGCCGTATAAAAAG
FGF2	GCGACCCACACGTCAAAATA	TCCATCTTCTTCATAGCAAAGT
FBJ osteosarcoma oncogene B (FOSB)	GCCACTGCGGACCAAAATTC	TTATTGGCGACAGTCCAGAACC
Fos related antigen 2 (FRA2)	AGCCTCCCGAAGAGGACAG	AGGACATTGGGGTAGGTGAA
Growth differentiation factor 3 (GDF3)	TAAGGTGGGCAGATTGCTTTTT	CTGGACAGTTACCCTGGAGTA
GLI-Kruppel family member GLI1 (GLI1)	GAGCCCTTCTTTAGGATTCCCA	ACCCCGAGTAGAGTCATGTGG
GM-CSF	TCGTCTCTAACGAGTTCTCCTT	GCAGTATGCTGTAGTAGCTGG
Hepatocyte growth factor (HGF)	CTGCTTCATGTCGCCATCC	TGGGTCTTCTTGGTAAGAGTAG
HIF1 α	GGTCATCGCAGTTGGAACCTCC	CGCTTGTGTCTTGGAAAGGCTTG
Baculoviral IAP repeat-containing 2 (IAP2)	AGGGACCAACAAGGGCACAG	TTTGTGTGTTTGGCGGTGTCTC
Insulin-like growth factor binding protein 4 (IGFBP4)	AGAAGCCCTTCAGGTACATTG	TGTCCTCCACGATCTTCATCTT
IL1R1	GCCAAGGTGGAGGACTCAG	CCAGGGTCATTCTTAAACACAGT
IL-6	TAGTCCTTCTACCCAAATTCC	TTGGTCTTACGACTCCTTCC
IL-10	AGAAGCATGGCCAGAAATCA	GGCCTTGTAGACACTTGGT
IL-18	GTGAACCCAGACCAGACTG	CCTGGAACACTGTTCTGAAAGA
Inhibin, beta A (INHBA)	ATAGAGGACGACATTGGCAGG	ATAGAGGACGACATTGGCAGG
Integrin, alpha V (ITGAV)	CCTGTGCTCCATTGTACCACT	AGCATACTAACGGTCTTTGTG
Jun B proto-oncogene (JUN-B)	GACCTGCACAAGATGAACCAC	AGGCTGGAGAGTAACCTGCTGA
Keratinocyte growth factor (KGF)	CCGTGGCAGTTGGAATTGTG	CCTCCGCTGTGTGTCCATTT
Kl67	CTGCCTCAGATGGCTCAAAGA	GAAGACTTCGGTTCCTGTAAAC
Kruppel-like factor 9 (KLF9)	GCCGCTACATGGACTTCG	GCCGTTACCTGTATGCAC
Mitogen-activated protein kinase 3 (MAPK3 (1B))	ACCACATTCAGGTATCTTGGGT	GATGCGCTGTTTGGGTTGAA
Mitogen-activated protein kinase kinase kinase 1 (MAP4K1)	CTCACAGCTCGCTCAGATCC	GAGGGGACAGCCGTTGAAT
Melan-a (MLANA)	TGGATACAGAACCCTTGATGGACA	GGGCTGATGGGATTTCTCTTG
MMP9	AAACCACCTCTCCCGACTCCAG	AGCTCGGTGGTGTCTCCAATG
MMP13	ACCTCCACAGTTGACAGGGT	AGGCATCCACATCTTGTTT
OPN	ATCTCACCATTCGGATGAGTCT	TCAGTCCATAAGCCAAGTATCA
PAI1	GTGCATCACTCCACAAACCTGC	TAACGTGGGTTGCCAAGCATC
PDGF α	CGCTGCACTGGCTGTTGTA	TTCCCTACGCTTCTGTCTC
PDGF β	CGAGCCAAGACGCCTCAAG	CATGGGTGTGCTTAAACTTTCG
Platelet and Endothelial Cell Adhesion Molecule 1 (PECAM1)	TGCACCCATCACTTACCACC	TAAAACGCGGTCTGTTCCTC
PPAR α	TCGGCGAACTATTCGGCTG	GCACTTGTGAAAACGGCAGT
PPAR β/δ	TTGAGCCCAAGTTCGAGTTTG	CGGTCTCCACACAGAATGATG
PPAR γ	TGTGGGGATAAAGCATCAGGC	CCGGCAGTTAAGATCACACCTAT
Ras homolog gene family, member A (RHOA)	AGCCTTCTCACCTGGACTGC	CACCCACTGCCACCCATAAG
Rpl27	CAAGGGGATATCCACAGAGTACCTT	CTGGTGGCTGGAATTGACCGCTA
SKI-like oncogene (SKIL)	AGGCAGAGACAAGTAAGTCCA	CGTCTGGGTAAGACACTGTTTTT
SMAD3	CCCCACTGGATGACTACAG	TCCATCTTCACTCAGGTAGCC
SOCS1	CTGGCGCTTCTATTGGGGAC	AAAAGGCAGTCCGAAGGTCTCG
SOCS3	CAAGAACCTACGCATCCAGTG	CCAGCTTGAGTACACAGTCCGAA
SPARC	ACTACATCGGACCATGCAAATAC	GTACAAGGTGACCAGGACATTTT
STAT1	GGAGCAGCTGCCATGATG	CTCCAGAGAAAAAGCGGTGTA
STAT3	CAATACCATTGACCTGCCGAT	GAGCAGCTCAACTGCCCT
STAT5A	AGTGGTTCGACGGGGTGAT	ATGGCTTCAGATTCCAGAGGT
TGF α	CACTCTGGGTACGTGGGTG	CACAGGTGATAATGAGGACAGC
TGF β 1	CCGCAACAACGCCATCTATG	CTCTGCACGGGACAGCAAT
TGF β 2	TCGACATGGATCAGTTTATGCG	CCCTGGTACTGTTGATAGTGA
TGF β receptor 1 (TGF β R1)	TCCCAACTCAGGACCTTTTTCA	GCAGTGGTAAACTGTATCCAGA
TIMP1	CTTGGTTCCTGGCGTACTC	ACCTGATCCGTCCACAAACAG
TIMP2	CTGGACGTTGGAGGAAAGAAG	GGTGATGCTAAGCGTGTCCC

TIMP3	GCGCAAGGGCCTCAATTAC	AGAGACACTCATTCTTGGAGGT
TLR2	CCAGACACTGGGGGTAACATC	CGGATCGACTTTAGACTTTGGG
TLR4	AAAGTGGCCCTACCAAGTCTC	TCAGGCTGTTTGTCCCAAATC
TNC	GCTACCGACGGGATCTTCG	TAGCCGTGGTACTGATGGTTT
TNF α	GGCTTTCCGAATTCACCTGGAG	CCCCGGCCTCCAAATAAA
TNF α interacting protein 2 (TNF α IP2)	AAAGGGATACCTACTTGCTGCT	CAAGCCCGACACCTTGAAG
TSP-1	GAAGCAACAAGTGGTGTGTCAGT	ACAGTCTATGTAGAGTTGAGCCC
VEGFA	GCACATAGAGAGAATGAGCTTCC	CTCCGCTCTGAACAAGGCT
VG1 related sequence (VGR)	TCCTTGAACCGCAAGAGTCTC	CTCACCTCAGGAATCTGGG
VHL	AAAGAGCGGTGCCTTCAGG	CACTTGGGTAGTCCTCAAATC
X-ray repair complementing defective repair in Chinese hamster cells 1 (XRCC1)	TCTTCAGTCGTATCAACAAGACG	GTTTGCTGGGAGGTTTCCTG
ID3		
Primers for ChIP	Forward Sequence (5' to 3')	Reverse Sequence (5' to 3')
STAT binding site	CATGCGAAGATGAGTGGACC	CCAATAAAGCATTCACACATGG
Control	AGCCCTGGACCTGCTGATAGAG	AATGAGGACCACGGTGGCAC