

**Supplementary Table S1. Summary of lncRNAs involved in osteogenesis and osteoclastogenesis processes**

<b>Anti-osteogenesis</b>	<b>Pro-osteogenesis</b>
NR2F2-AS1, XIST, MIAT, MIR31HG, HOXA-AS3, HOTAIR, ORLNC1, <b><u>DANCR</u></b>	PGC1-OT1 AK141205, Linc-ROR, H19, NTF3, MEG3, lnc-OG, MALAT1, MDOR, BMNCR, lnc-OB1
<b>Anti-osteoclastogenesis</b>	<b>Pro-osteoclastogenesis</b>
NRON, NONMMUT037835.2	AK077216, <b><u>DANCR</u></b> , Gm12310, Gm12308, PBOV-1, lncRNA-Jak3, AK131850, LINC00311

**Supplementary Table S2. Primers used for vector construction and Real-time PCR assays**

Primers for Real-time PCR				
Gene ID	Accession No.	F/R	Sequence	Product size (bp)
mRunx2	NM_001146038	F R	ACACCGTGTCTCAGCAAAGC GCTCACGTCGCTCATCTTG	99
mALP	NM_007431	F R	ACTGCGCTCCTTAGGGCT GGCAGCGTCAGATGTTAATTG	104
mOCN	NM_007541	F R	GGTAGTGAACAGACTCCGGC CAAGCAGGGTTAAGCTCACA	96
mOPN	NM_001204201	F R	ATTGCTTTTGCCTGTTTGG TGGCTATAGGATCTGGGTGC	109
mBMP2	NM_007553	F R	AACACCGTGCGCAGCTTCCATC CGGAAGATCTGGAGTTCTGCAG	143
m $\beta$ -catenin	NM_007614	F R	GAGCCGTCAGTGCAGGAG CAGCTTGAGTAGCCATTGTCC	129
mCD44	NM_009851	F R	CAAGTTTTGGTGGCACACAG AGCGGCAGGTTACATTCAA	95
mCCND1	NM_001379248	F R	TCCTCTCCAAAATGCCAGAG GGGTGGGTTGGAAATGAAC	110
m-Myc	NM_010849	F R	AGAGCTCCTCGAGCTGTTTG TGAAGTTCACGTTGAGGGG	91
mTRAP	NM_001102405	F R	CTGGAGTGCACGATGCCAGCGACA TCCGTGCTCGGCGATGGACCAGA	419
mFos	NM_010234	F	CCAGTCAAGAGCATCAGCAA	247

		R	AAGTAGTGCAGCCCGGAGTA	
mCathK	NM_007802	F R	CTTCCAATACGTGCAGCAGA TCTTCAGGGCTTTCTCGTTC	155
mNFATc1	NM_016791	F R	CCGTTGCTTCCAGAAAATAACA TGTGGGATGTGAACTCGGAA	152
mDANCR	NR_145131	F R	CCTCTCCCGGATGGCTGTAT AGCCATTCAGTCACGGGTTT	162
mGAPDH	NM_001289726	F R	CGTCCCGTAGACAAAATGGT TTGATGGCAACAATCTCCAC	110

“m” stands for “mouse”.