

Primer sequence table**Table S1.** Primer sequences (in alphabetical order).

Gene	NCBI code	Sequence	Annealing temperature
<i>Alpl</i>	NM_013059.1	F: 5'-TGCAGGATCGGAACGTCAAT-3' R: 5'-GGGTCTTTCTCTTTCTCTGGCA-3'	60°C
<i>Bglap</i>	NM_013414.1	F: 5'-TGAGTCTGACAAAGCCTTCATGT-3' R: 5'-GAAGCCAATGTGGTCCGCTA-3'	61°C
<i>Colla1</i>	NM_053304.1	F: 5'-CACTGCAAGAACAGCGTAGC-3' R: 5'-AGTTCCGGTGTGACTCGTG-3'	59°C
<i>Dmpl</i>	NM_203493.4	F: 5'-GTCCTGTGCTCTCCCTGTGCG-3' R: 5'-CACTGCTGTCCGTGTGGTCA-3'	61°C
<i>Fgf23</i>	NM_130754.1	F: 5'-AGGATGCTGGCTCCGTAGTG-3' R: 5'-CGGGCTGAAGTGATACGATCCA-3'	62°C
<i>Mepe</i>	NM_024142.1	F: 5'-GAAGGTGAACGACACCAGAGAG-3' R: 5'-GGCTCAGGCTTACAGATGC-3'	59°C
<i>Opg</i>	NM_012870.2	F: 5'-AGACGTCATCGAAAGCACCC-3' R: 5'-GCACAGGGTGACATCTATTCCA-3'	58°C
<i>Phex</i>	NM_013004.2	F: 5'-GGGAACAGAATACCCTCGATCTC-3' R: 5'-CACAGACCACCACGGATCAA-3'	62°C
<i>Ppib</i>	NM_022536.1	F: 5'-ACCTGTAGGACGAGTGACCT-3' R: 5'-GCTCTTTCCTCCTGTGCCAT-3'	60°C
<i>Rankl</i>	NM_057149.1	R: 5'-GCTCTTTCCTCCTGTGCCAT-3' R: 5'-AAGATAGTCCGCAGGTACGC-3'	58°C
<i>Runx2</i>	NM_053470.2	F: 5'-CGCCTCACAACAACCACAG-3' R: 5'-TGCAGCCTTAAATATTACTGCATGG-3'	60°C
<i>Slc38a2</i>	NM_181090.3	F: 5'-CATCTTCGGGTTTCATTGGTGC-3' R: 5'-CATCACGACTACGCCACTCA-3'	60°C
<i>Sost</i>	NM_030584.2	F: 5'-GCCTTCGTTGCTGTGGAGAG-3' R: 5'-TGTACTCGGACACGTCTTTGGT-3'	61°C
<i>Txnip</i>	NM_001008767.2	F: 5'-CCATTCTGGGCTGCAACATC-3' R: 5'-TATAGCAAGGTGGAGCTTCTGG-3'	61°C