**Table S2.** Primer sequences for osteoblast and osteoclast marker of real-time PCR.

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| **primer** | **Sequence** |
| **CBFA-1** | Forward 5′- TGTTCTCTGATCGCCTCAGTG -3′  |
| Reverse 5′- CCTGGGATCTGTAATCTGACTCT -3′ |
| **RANKL** | Forward 5′- CCAGCTATGATGGAAGGCTCA -3′  |
| Reverse 5′- CGTACAGGTAATAGAAGCCA -3′ |
| **OPG** | Forward 5′- GGGCGTTACCTGGAGATCG -3′ |
| Reverse 5′- GAGAAGAACCCATCTGGACATTT -3′ |
| **Ostrix** | Forward 5′- ATGGCGTCCTCTCTGCTTG -3′  |
| Reverse 5′- TGAAAGGTCAGCGTATGGCTT -3′ |
| **ALP** | Forward 5′- ATGGGCGTCTCCACAGTAAC -3′ |
| Reverse 5′- CTTCACGCCACACAAGTAGG -3′ |
| **Osteocalcin** | Forward 5′- CCTGCTTGTGACGAGCTAT -3′  |
| Reverse 5′- ACTTGCAGGGCAGAGAGAGA -3′ |
| **RANK** | Forward 5′- CTGGGAACGTGACTGGAAAC -3′  |
| Reverse 5′- CCGCAAAGGAGTCTCTGTGT -3′ |
| **TRAF6** | Forward 5′- ACAGGCAGACCTGGGTACAA -3′  |
| Reverse 5′- GTCCATGACCTCTTCGTGGT -3′ |
| **GAPDH** | Forward 5′- TCTCCATGGTGGTGAAGACA-3′ |
| Reverse 5′- ACTCCACTCACGGCAAATTC-3 |