

Supplementary Table 1. Detail of primers for quantitative fluorescence PCR

| Gene | Forward primer (5'-3') | Reverse primer (5'-3') |
|-------------------|----------------------------------|---------------------------------|
| <i>ALP</i> | 5'-TGACCTTCTCCTCCATCC-3' | 5'-CTTCCTGGGAGTCTCATCCT-3' |
| <i>OCN</i> | 5'-CTCCTGGTGTGAAGATGG-3' | 5'-TGGTGTAGCCGAATAAGC-3' |
| <i>Collagen I</i> | 5'-GCTCGTGGATTGCCTGGAACA-3' | 5'-CAGCACCAACAGCACCATCGT-3' |
| <i>TRAP</i> | 5'-ACTTGCGACCATTGTTAGCCACAT-3' | 5'-GCACATAGCCCACACCGTTCTC-3' |
| <i>Cath-K</i> | 5'-GCAGCAGAACGGAGGCATTGA-3' | 5'-GCATGGTTCACATTATCACGGTCAC-3' |
| <i>MMP9</i> | 5'-CGTGGATAAAGGAGTTCTCTGGTGTG-3' | 5'-GTGGTGGTGGTGGTGGTCTCTA-3' |
| <i>CB1</i> | 5'-CTGGTTCTGATCCTGGTGGTGTG-3' | 5'-GCTGTGTTATTGGCGTGCTTGTG-3' |
| <i>MKP-1</i> | 5'-CCTCCTGAGTTCCACTGAGTTCCT-3' | 5'-GGCAGACCACCGACCTACACAA-3' |
| <i>PI3K</i> | 5'-TGCCTGCTCCGTAGTGGTAGAC-3' | 5'-GGTGGCTGAAGGTGAGGAACTG-3' |
| <i>AKT</i> | 5'-CAGATGGACTCAAGAGGCAGGAAGA -3' | 5'-GCAGGACACGGTTCTCAGTAAGC -3' |
| <i>GSK-3β</i> | 5'- CTTTCTGTTCCGGCTACCTTC -3' | 5'- AGCGACCTGGATAACCAATG -3' |
| <i>β-catenin</i> | 5'-GATTTCAAGGTGGACGAGGA -3' | 5'-CACTGTGCTTGGCAAGTTGT -3' |
| <i>Runx2</i> | 5'-TTCCAGACCAGCAGCACTCCAT -3' | 5'-CCGTCAGCGTCAACACCATCAT -3' |
| <i>OSX</i> | 5'-CTTCCCAATCCTATTTGCCGTTT -3' | 5'-CGGCCAGGTTACTAACACCAATCT -3' |
| <i>IKK</i> | 5'-GACTCCTACCTGAAGCATAAC-3' | 5'-TCCTTGACACGCAGAATG-3' |
| <i>IκB</i> | 5'-ACAGTGAGCAGAGCAGGCATAGT-3' | 5'-TTGTCAGGAGCAGCACCATTCTTAC-3' |
| <i>NF-κB</i> | 5'- GCTTACTTTAGCGGCCG-3' | 5'-CACATAAGGCCCAGAAGCCT-3' |
| <i>NFATC1</i> | 5'-GCCTCGAACCCATATCGAGTG-3' | 5'-AGTTATGGCCAGACAGCACC-3' |
| <i>β-actin</i> | 5'-AGCAACTAAACAACCTGCCAGTACTA-3' | 5'-CGATGGCTACCCTTTGCTTCT-3' |