

Supplementary Table 1: qPCR primer sequences

Gene	Primer sequence
18S	Forward: 5'- CGGCTACCACATCCAAGGAA -3' Reverse: 5'- GCTGGAATTACCGCGGCT -3'
Id1	Forward: 5'- CCTAGCTGTTCGCTGAAGGC -3' Reverse: 5'- GTAGAGCAGGACGTTACCT -3'
ALK2	Forward: 5'-GTGGAAGATTACAAGCCACCA -3' Reverse: 5'-GGGTCTGAGAACCATCTGTTAGG -3'
Sox9	Forward: 5'-TCAGATGCAGTGAGGAGCAC-3' Reverse: 5'-CCAGCCACAGCAGTGAGTAA-3'
Pai1	Forward: 5'- ACAGCCAACAAGAGCCAATC -3' Reverse: 5'- TTTCCCAGAGACCAGAACCA -3'
Runx2	Forward: 5'-GCAGTTCCCAAGCATTTTCAT-3' Reverse: 5'-CACTCTGGCTTTGGGAAGAG-3'
Osterix	Forward: 5'- TATGCTCCGACCTCCTCAACT -3' Reverse: 5'- TCCTATTTGCCGTTTTCCCGA -3'
Scleraxis	Forward: 5'-AACACGGCCTTCACTGC-3' Reverse: 5'-CTTCGAATCGCCGTCTT-3'
Collagen 1A2	Forward: 5'- GTAACTTCGTGCCTAGCAACA -3' Reverse: 5'- CCTTTGTCAGAATACTGAGCAGC -3'
Collagen 2A1	Forward: 5'-AAAGGACAGACGGGCGAACC-3' Reverse: 5'-GCTCTCCGGGACGGCCAGGGT-3'
Osteopontin	Forward: 5'- AGCAAGAAACTCTTCCAAGCAA -3' Reverse: 5'- GTGAGATTCGTCAGATTCATCCG -3'
Fibromodulin	Forward: 5'-GAAGGGTTGTTACGCAAATGG-3' Reverse: 5'-AGATCACCCCCTAGTCTGGGTTA-3'
Biglycan	Forward: 5'-CCTTCCGCTGCGTACTGA-3' Reverse: 5'-GCAACCACTGCCTCTACTTCTTATAA-3'
Bone Specific Protein (BSP)	Forward: 5'- AAGCAGCACCGTTGAGTATGGG -3' Reverse: 5'- ACCCTCGTAGCCTTCATAGCCA -3'
Cartilage Oligomeric Matrix Protein (COMP)	Forward: 5'-CGCAGCTGCAAGACGTGAGAGAGCTGT-3' Reverse: 5'-CCGAATTCGCTGGTCTGGGTTTCGA-3'
PPAR γ	Forward: 5'-TTTTCAAGGGTGCCAGTTTC-3' Reverse: 5'-AATCCTTGGCCCTCTGAGAT-3'