

**Table S1.** Primer list used for cellular gene expression studies (Figure 7 and Figure S5).

BMP2	F 5'-AGTAGTTTCCAGCACCGAATTA-3'	R 5'-TTCATAACCTGGTGTCCAATAG-3'
RUNX2	F 5'-TGGCTTGGGTTTCAGGTTAG-3'	R 5'-GGTTTCTTAGGGTCTTGGAGTG-3'
MMP2	F 5'-CTGGAATGCCATCCCTGATAA-3'	R 5'-GGTCTCCAGCTTCAGGTAATAA-3'
MMP3	F 5'-GGATCTTCGCAGTTGGAATTTG-3'	R 5'-GATGCCTTCCTTGGATCTCTT-3'
MMP9	F 5'-TGCACTGGGCTTAGATCATTG-3'	R 5'-TGCCGTCTATGTCGCTTTTATTC-3'
MMP12	F 5'-CTGGAGGTATGATGTGAGGCAG-3'	R 5'-CTGGGAAGTGTGTGGAAATCAG-3'
Biglycan	F 5'-ATTGCCCTACCCAGAACTTGAC-3'	R 5'-GCAGAGTATGAACCCTTTCTCG-3'
Decorin	F 5'-TGATGCACCCAGCCTGAAAG-3'	R 5'-TCCATAACGGTGATGCTGTTGAA-3'
Lumican	F 5'-TCGAGCTTGATCTCTCCTAT-3'	R 5'-TGGTCCCAGGTCTTACAGAA-3'
Periostin	F 5'-GATAAAATACATCCAAATCAAGTTTGTTTCG-3'	R 5'-AAACTCTGTGGTCTGGCCTCTGGG-3'
Fibronectin 1	F 5'-GTGCTTCATGCCGCTAGAT-3'	R 5'-GTGTGGATTGACCTTGGTAGAG-3'
Collagen Type 1	F 5'-TTCTAGTTCCTGGGCCTATCT-3'	R 5'-GATGCAGGACAGACCAAGAG-3'
Collagen Type 3	F 5'-GGGAAAGGAGTCCACCTTTATT-3'	R 5'-GAATCTGTCCACCAAGTGCTTAC-3'
SMAD1	F 5'-GGGAAAGGAGTCCACCTTTATT-3'	R 5'-GAAAGCCGTGGTGGTAGTT-3'
SMAD2	F 5'-GCTGAGTGCCTAAGTGATG-3'	R 5'-TACAGCCTGGTGGGATCTTA-3'
SMAD3	F 5'-TTCCATTCCCGAGAACTAA-3'	R 5'-TCACTGGTTTCTCCATCTTCAC-3'
SMAD4	F 5'-CCAGGATGGACTATGAAAT-3'	R 5'-GCAGCAAACACATCTCTCAAC-3'
SMAD5	F 5'-GATTGTTGGGAAACAAG-3'	R 5'-CTCCATAGCACCTTCTTCTTC-3'
PDGFd	F 5'-CGCAGAGAGCATCCATCA-3'	R 5'-GTCACCTGAATGTTCTCCTCTC-3'
VEGFb	F 5'-TCTGAGCATGGAACCTCATGG-3'	R 5'-TCTGCATTACATTGGCTGT-3'
EGFR	F 5'-AGAGCGCCTTCCACAGCCAC-3'	R 5'-ACTCTCGGAACCTTGGGCGG-3'
IL6	F 5'-ACACATGTTCTCTGGGAAATCGT-3'	R 5'-AAGTGCATCATCGTTGTTACATA-3'
IL10	F 5'-ATGCTGCCTGCTCTTACTGACTG-3'	R 5'-CCCAAGTAACCTTAAAGTCCTGC-3'
TGFb	F 5'-ATGCTAAAGAGGTCACCCGC-3'	R 5'-TGCTTCCCGAATGTCTGACG-3'
TNFa	F 5'-CCACGCTCTTCTGTCTACTGA-3'	R 5'-GCTACAGGCTTGCTACTCG-3'
GAPDH	F 5'-CTCACAATTTCCATCCAGAC-3'	R 5'-TTTTTGGGTGCAGCGAAC-3'