

Gene	Forward primer sequence	Reverse primer sequence	Probe
COL I	5-TATTGCTGGACAGCGTGGT-3	5-ACCTTGTTTGCCAGGTTTAC-3	72
COL III	5-GAGGCCCTCCTGGAGTTG-3	5-GGAAGACCACGAGCACCA-3	62
COL VI	5-GAAGAGAAGGCCCCGTTG-3	5-CGGTAGCCTTTAGGTCCGATA-3	80
USH2A	5-GACACAACAAGCCAGCCATA-3	5-AGAGGCAAGCAGCGATCA-3	83
DPT	5-CGAGGAGCAACAACCACTTT-3	5-CGGCACATTATGAACTTCCA-3	65
FN	5-ACTGGAGTGCTCACAGTCTCC-3	5-CGTTTGTAGGGGTTGTGGTAAT-3	55
Decorin	5-CCAATATCACCAGCATTCCTC-3	5-TTGTTGCCATCAAGATGTAATTC-3	69
COL IV	5-GACCCCCGGGAGAAATAG-3	5-TTTGAAAAAGCAATGGCACTC-3	37
Laminin	5-TGTCAAGAGCATGGATAATGAAA-3	5-CTAGGGGAAGGTGTGCTCTG-3	65
TGF-β1	5-GCAGCACGTGGAGCTGTA-3	5-CAGCCGGTTGCTGAGGTA-3	72
αTGF	5-AAAATTTTAGCGTGCTCACTGAC-3	5-TCAGTCTCTTGATGGCTGGA-3	45
MMP-1	5-GCATATCGATGCTGCTCTTTC-3	5-GATAACCTGGATCCATAGATCGTT-3	47
MMP-2	5-CCCCAAAACGGACAAAGAG-3	5-CTTCAGCACAAACAGGTTGC-3	43
MT-MMP	5-CAGGAATGAGGATCTGAATGG-3	5-CCGAGGGGTCCTGGAAT-3	45
RPS13	5-CCCCACTTGTTGAAGTTGA	5-ACACCATGTGAATCTCTCAGGA-3	68
TIMP-1	5-GGCTGTGAGGAATGCACA-3	5-TGGAAGCCCTTTTCAGAGC-3	17
TIMP-2	5-GAAGAGCCTGAACCACAGGT-3	5-CGGGGAGGAGATGTAGCAC-3	43
TIMP-3	5-GCTGGAGGTCAACAAGTACCA-3	5-CACAGCCCCGTGTACATCT-3	62

Supplementary Table S1: Homo sapiens primers and probes for PCR amplification