Table S1. Primers used: Sequences, amplicon sizes, and efficiencies

Gene	*Forward sequence*	*Reverse sequence*	*Amplicon (bp)*	*Efficiency (%)*
ACAN	CTGTGACATAGACAAGGAGAT	GACGATGCTGCTCAGG	142	92
ACTA2	CGTGATCTCACCGACTACCT	GCGGAAGCGTTCGTTCCCG	222	98
ACVRL1	CGTACTGGTCAAGAGCAA	ATGTCAGTCCACTTGTAGG	189	94
ADAMTS5	TCTTCCATCCTAACCAGCATTG	GGTGGCATCATAAGTCTGTCC	165	98
ANGPTL7	GCTGTCACTTGGCTCTG	AGTCCTTCTCCTGCTTCTTG	193	94
ANXA1	ACAAAGTTCTGGACCTGGAGTTGA	AGAGCGGGAAACCATAATCCTGAT	167	95
ANXA2	CTTCCGCAAGCTGATG	CATGATGCTGATCCACTT	154	99
CAPN2	GGCTGACCAGACGGCATGAAG	CTCCATCTTGGTGAGTTTCCATTTCTTG	146	88
CAPNS1	TGACCGATCAGGGACCATCTG	GGATTTGTCCACTGCCATCTTTG	215	92
COL12A1	CAGGTGTCCCGATCAAAGAG	GCCTGGTGGAATGGTGG	95	97
COL14A1	TCACCTCCTACTCAACCACCAACT	GGCTCCAACAGTGCTATACAGAAAGT	165	94
COL1A1	GCCCTTCTGGAAATGC	GACCAACTTCACCAGGA	111	95
CTGF	CCAACTATGATTCGAGCCAACTG	TTCTCTTCCAGGTCTGCTTCA	173	96
CYR61	TGGAACCTCGCATTCTGTATAACC	GCCACAAGGTCGCACTTCAC	176	97
DCN	CTGCGTGCCCATGAGAACGAGATC	GGTATCAGCAATGCGGATGTACGAAAGC	168	96
EFNA1	CCACCATCAAGAAGACCAGT	CCAGGCAAGAGGGAAGAG	178	97
FBLN1	CGAGGAGGAGCAAGAG	AGCACGAGCAGACTAC	104	94
FGFR2	TGAAGGAAGGACACAGGATGGATAAG	GAGGCTGACTGAGGTCCAAGTATTC	180	93
FMOD	TCCTGCTGGACCTGAG	TTGTTGGTGAGGCTGTTAT	172	96
GJA1	CCTAGCCATTGTGGACCA	ATCTCCAGGTCATCAGGC	81	99
HIF1A	ACTGGTTGCATCTCCGTCTCCTACTCA	TCCTGCTCTGTTTGGTGAGGCTGTC	109	94
HS6ST1	CGTTCAACCTCAAGTTCATCC	GGTCCTTGGCGTAGTCAT	141	98
IGF1	GTCCTCCTCACATCTCTTCTACC	CAGCACCGCAGAGTGTCTC	89	99
IGF2	TGGCATTGTTGAAGAGTGTTG	GAAGCACGGTCGGAGAG	113	100
IL18	AACTCTTTCCTTTAAGAATATCAGTCGTCCT	GTTGGCTTCCACAGTAAACATTACAGATT	226	94
KERA	TCTCACAATCAGCTCACCAAGGTT	CCAGACGGAGGTAGCGAAGATG	175	101
MMP14	CCCTGGAACCTGGCTACCC	ATAGGTCTTTCCATTGGGCATCC	104	96
MMP2	TGACCTTGACCAGAACACCATCG	GAGCGAAGGCATCATCCACTGT	176	95
NGEF	ACCACTTCTCCGTGTAC	GACTAGGAGCTTGAGGC	194	96
NOV	CGAACAGACTACAGAGTGGAGTG	GTGATTTCTTGGTGCGGAGACA	191	97
NPR3	GGACTACGCCTTCTTCAACATCG	AGAGTGACTGTTTGGAGGGATGA	126	96
NYX	GTGAGCAGGTTCAGCAG	GACAGCGAGGTGTTAGC	101	96
OGN	CTCTCCTTCCTCTACCTGGACCACAAC	CTGAAGATGGATCACGCGCAGACTC	84	96
PENK	TCCTTGCCAAGCGATACG	TCTTGCTCATTTCTTCGTCGTT	162	98
PRELP	TTCGGCTGAACTACAACAAGC	GATCTGGGTCCCGTTGATTTTCT	182	99
RARB	CGGCTTGACCATCGCAGAC	GCTGGTTGGCAAAGGTGAACA	197	97
RXRB	CCTGACCTACTCGTGCC	TACCGCCTCCCTCTTCA	118	91
SDC2	TGATGACGACTACGCTTCTGC	CAGGCATCTTGTTCTGTGTCTTC	155	95
SERPINH1	ACAAGAACAAGGCAGAC	GCACCAGGAAGATGAAG	186	103
SPARC	GCGAGTTTGAGAAGGTGTGC	GCCCGATGTAGTCCAGGTG	126	102
SPP1	CCGACGACACCGACCATCC	GGCTTTGACCTCACTCTGTAAACC	190	92
TGFB1	ACCAGAAATACAGCAACAATTCC	AACCCGTTGATGTCCACTTG	205	91
TGFB2	GCAGAGTTTAGGGTCTTTCGTTTG	CTCGTGAACAGCATCAGTTACATC	189	93
TGFBI	CCTCGGCACTCATCTCTCC	GCAAATTCTTCATCTTGGCATCG	107	94
TGFBR3	CCCTGGTCTGGCGTCTGAAG	GTAACTGCTCCATACTCGTTTCGG	190	93
THBS1	CTGTCAGAACTCAGTCACCATC	CCACGGAGACCAGCCATC	136	91
THBS2	GAGACCGACTTCAGGAACTTC	CGAAACCCACTGCGATGC	142	100
TIMP1	CACTTGCACATCACCACCT	CAAGGGATGGATAAACAGGGAAA	134	99
TIMP2	AGATGGGCTGTGAATGC	CCGTCGCTTCTCTTGAT	151	96
TIMP3	CCGTGTCTATGATGGCAAGATG	ACAAAGCAAGGCAGGTAATAGC	153	99
TNC	AGACGCCAAGACTCGCTACAG	CAGGTTGACACGGTGACAGTTC	184	94
TRPV4	AGAGCAAGCACATCTGGAA	CCACGGTCACCATCTCC	111	94
UNC5B	CACCTGCTGGCTCCCTG	ATGGACAGCGGGATCTTGAA	94	96
VDR	AACTTGCACGAGGAGGAAC	CTTCTGGATCATCTTGGCATAG	189	93
WISP1	AGGCACCCATGAACTT	GACACTGGAAGGAGACA	135	96
POLR2A	CTACCAGCCCCAAGTATTC	GGTGAGTAAGTAGGAGACG	106	98