

Additional file 1: Table S1 Primers used for qRT-PCR analysis

Target genes	Forward (5'–3')	Reverse (5'–3')
GAPDH	CATTGCCCTCAATGACCACT	TCCTTGGAGGCCATGTAGAC
IL-6	TTTTCTGCCAGTGCCTCTTT	GGCTACTGCTTTCCTACCC
IL-1 β	AGTTGCAAGTCTCCCACCAG	TATCCGCATCTGTTTTGCAG
TNF- α	AGCGCTGAGATCAATCTGCC	TCCAGCCCTGAGCCCTTAAT
COX-2	ACCCGCCATTATCCTAATCC	TCGGAGTTCTCCTGGCTTTA
Aggrecan	ACTGCTCCAGGCGTGTGATG	GACCATGTCGTGCAGGTGAC
Col1 α 1	ATCAGCCCTGGAGCATTTACA	AACTCTTCAGGGGATTGGTG
COL2 α 1	TACGGTGATGACAACCTGGC	GTTTCGTGCAGCCATCCTTC
SOX-9	AGTACCCGCACCTGCACAA	AAATGTCGCTCTCGGTGG
MMP-1	TGGAGCACTTCATAGCCAGC	GAAATGGTGACGCCATGCAG
MMP-3	ACCCCACTTTGTGGTTCGAC	ACCGGCTTGTACCTCAGTTC
MMP-13	CAGCGATGGTGATGATGATCTG	AGGGACCCACATCTTGGT
TIMP-1	CTCACCAGAGAACCCACCAT	CCGGTTTAAGTCGGTCTGGT
TIMP-2	TCCCTGGACATCGGAGGAAA	CATCCAGAGGCACTCATCCG
ADAMTS-4	CTCGGACCCTGACCACTTTG	GAGCATGTTGAAGACGTGGC
ADAMTS-5	CACCCAGAAACAATGGTCGC	ACCACGTAGTAACCAGTGCC
NGF	CTTCGTCCCACCCTGTCTTC	AGTTCCAGTGCTTGGAGTCG
PDGF-B	TGTCTCTCTGCTGCTACCTG	CCAGAATGGGATCGGGTCAA
VEGF	CTATGGCAGGAGGAGAGCAC	GCTGCAGGAAACTCATCTCC
TGF- β	CTCAGTGCCCACTGTTCTTG	TCCGTGGAGCTGAAGCAGTA
FGF-2	TGCCTACCTAGATGCTGGACA	GAGCTTTGGCCGTATTTCCATTC
HGF	ATGGGGAATGAGAAATGCAG	GACAAAATGCCAGGACGAT
TSG-6	AGCCTGCTTGGCTGACTATG	ATTTGGAAACCTCCCGCTGT
HO-1	GCGTCGACTTCTTCACCTTC	GGTCCTCAGTGCCTTGCTC