



Supplementary

Table S1. Sequences of primers used to amplify specific mRNAs by qRT-PCR.

Target gene	Primer sequence (5'-3')
GAPDH	Forward: GAACATCATCCCAGCGTCCA Reverse: CGGCAGGTCAGGTCAACAAC
collagen-2	Forward: ACCTACAGCGTCTTGAGGA Reverse: ATATCCACGCCAAACTCCTG
collagen-10	Forward: GCCTTCCAGGTCAGCCAGGTAT Reverse: TTGCCGATGCCAACTTCTCCAG
aggrecan	Forward: TGCAAGGCAAAGTCTTCTACG Reverse: GGCAGGGTTCAGGTAAACG
β -catenin	Forward: GGTGGCATCGAGGCTCTTG Reverse: GCTTCCTGATGTCTGCTGGTGAG
LRP-5	Forward: GCAGCCACATGACCTCAGCATT Reverse: ACCTCGCAGCACCATCCCTATT
LRP-6	Forward: TCACGGCAGAACATCATTCGGAAG Reverse: CGGCTGTAGATGTCAATGCTCAGG
HIF-1 α	Forward: CAGCCAGGTGCCGAAGAAGC Reverse: ATGGTCAGCCTCATAATGGATGCC
HIF-2 α	Forward: CTGTTGACGATGAGCAGTGCCT Reverse: CCAGGTGTTGGAGCCAGTTGTG
VEGFA	Forward: GAGTTGTGCGAAGGCTGCTCC Reverse: GCAACCCGCACATCTCATCA
Bcl-2	Forward: CACCTGGATGACCGAGTACC Reverse: GTCCAAGATAAGCGCCAAGA
caspase-3	Forward: TGGCGATGAAGGACTCTTCT Reverse: TCATCTGGTCCACTGTCTGC
Bid	Forward: GCCTGACCCTGAGGTAAATG Reverse: ACAGGCACCGTGTATCTCC
LC3-I	Forward: GCTGCCAGTGCTGGACAAGAC Reverse: TCCTCATCCTTCTCCTGCTCGTAG
LC3-II	Forward: CCTGGTGCCAGATCACGTCAAC Reverse: AAGCCGTCTCGTCCTTCTCG
Beclin-1	Forward: ACCGCAAGATTGTGGCTGAAGAC Reverse: TGAGCATAACGCATCTGGTTCTCC
PCNA	Forward: GCCATGGGCGTCAACCTAAA Reverse: AGCCAACGTATCCGCATTGT
KI-67	Forward: AAAAACCTGATTCCTGAACAATCTG Reverse: GACCTAGAGCTATCAGGCTGTGAAG
TNF- α	Forward: CTCAGGACAGCCTATGCCAACAAG Reverse: GCCACCACACGACAGCCAAG
IL-1 β	Forward: GGTC AACATCGCCACCTACA Reverse: CATACGAGATGCAAACCAGCAA
IGF-1	Forward: GTATGTGGAGACAGAGGCTTC Reverse: TTTGGCATATCAGTGTGGCGC
MMP-9	Forward: GCCATCACTGAGATCAATGGAG Reverse: GATAGAGAAGGCGCCCTGAGT
CDMP-1	Forward: CGCCTCCAACCTTGCTGTGTCC Reverse: TCCACCACCATGTCCTCGTACTG
BMP-3	Forward: CTGACATTGGCTGGAGCGAGTG Reverse: TCTGGATGGTGGCATGGTTGGA



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