

Supl Table 1: Primer sequences

Genes	Forward	Reverse
p27	ATAAGGAAGCGACCTGCAACCG	TTCTTGGGCGTCTGCTCCACAG
p21	AGGTGGACCTGGAGACTCTCAG	TCCTCTTGGAGAAGATCAGCCG
p16	GAAGGTCCTCAGACATCCCC	CCCTGTAGGACCTTCGGTGAC
SOD2	CTGGACAAACCTCAGCCCTAAC	AACCTGAGCCTTGGACACCAAC
TFG $\beta$ RII	TGGGCTTCCCTGCGTCTGG	CTTGCAGTTCCACCTGCCCA
COL I	CCTGGATGCCATCAAAGTCT	CGCCATACTCGAACTGGAAT
A-Sma	CATCGGGATGGAGTCTGCTG	AGAAGCATTTCGGTGGACA
Col III	GTGAACCTGGGCAAGCTGGT	GGCCTGGTTGACCATCACTG
TGF $\beta$ 1	GCCATGAGAAGCAGGAAAGGCCGGT	ACTGCAAGTGGACATCAACGGGTTTAC
BCL2	CTCGTCGCTACCGTCGTGACTTCG	CAGATGCCGGTTCAGGTACTCAGTC
BAX	TCAGGATGCGTCCACCAAGAAG	TGTGTCCACGGCGGCAATCATC
RPS9	GATTACATCCTGGGCCTGAA	ATGAAGGACGGGATGTTTAC
COL2a1 $\Delta$ 2	CAGACGCTGGTGCTGCT	TCCTGGTTGCCGGACAT
SOX9	AGGTGCTCAAAGGCTACGAC	GTAATCCGGGTGGTCCTTCT
ACAN	TCGAGGACAGCGAGGCC	TCGAGGGTGTAGCGTGTAGAGA
LPL	GTCCGTGGCTACCTGTCATT	TGGATCGAGGCCAGTAATTC
PPAR- $\gamma$	CCAGAAAGCGATTCTTAC	TGCAACCACTGGATCTGTTC
FABP4	ATGGGATGGAAAATCAACCA	GTGGAAGTGACGCCTTTCAT