

Supplementary 1. Gene-specific primers for PCR amplification

Gene (human)	Gene primer pairs (5'-3')	Annealing temp. (°C)	Amplicon size (bp)
GAPDH	F-GACAACTTTGGTATCGTGGAAG R-GGGATGATGTTCTGGAGAGC	57	128
Collagen type I	F- CATTCGTGGCGATAAGGGAG R- CATGGTGACCAGCGATAACC	58	108
VEGF-A	F- ATCTTCAAGCCATCCTGTGTG R-CATGGTGACCAGCGATAACC	58	150
CDK4	F-GTATGGGGCCGTAGGAACC R-ATCAAGGGAGACCCTCACG	58	86