

Table 1S. Primer Sequences for Gene Expression Studies

Gene name	Forward primer (5' to 3')	Reverse primer (5' to 3')
18S	TTCGAACGTCTGCCCTATCAA	ATGGTAGGCACGGCGACTA
CD31	GGTCTGAGGGTGAAGGTGA	TTGCAGCACAATGTCCTCTC
VEGF	TTTGCCAATCACACTTCCTG	TTGTTCGCTGCCTGACAC
HIF1 α	TGCTCATCAGTTGCCACTTC	CAAATCACCAGCATCCAGAA
Collagen1a	TACAGCGTC ACTGTCGATGGC	TCAATCACTGTCTTGCCCCAG
Collagen3a	AATTTGGTGTGGACGTTGGC	TTGTCGGTCACT TGC ACTGG
Collagen4a	CTACGTGCAAGGCAATGAACG	GCAGAACAGGAAGGGCATTGT
Collagen5a	GATTGAGCAGATGAAACGGCC	CCTTGGTTAGGATCGACCCAG
Collagen6a	GACCTCGGACCTGTTGGGTAC	TACCCCATCTCCCCCTTCAC
Collagen7a	CATCTTCTCCCTGACGCCTG	CGCACGGTGAGCATTTGTCT
Collagen8a	CGAGCCCGTGATGTACACG	ACTGCCCCGGCATAACAGTCC
Collagen10a	GCCCAGCAGGAGCAAAGG	GGACCGGGACTTCCTGGAT
Elastin	CCCGCAGTTACCTTTCCG	CCAGGCTGAGGAACCAC

Table 2S. Correlation coefficients between the mRNA levels of vascular and ECM markers, BMI and S ₁		
	BMI	S ₁
CD31	0.12	-0.12
VEGF	0.26*	-0.09
HIF1 α	-0.13	0.02
Elastin	0.004	-0.16
Collagen I‡	-0.16	-0.03
Collagen III‡	0.01	-0.29
Collagen IV‡	0.10	-0.16
Collagen V	0.19	-0.34†
Collagen VI	0.31†	-0.33†
Collagen VII‡	-0.09	0.24
Collagen VIII‡	-0.004	-0.17
Collagen X‡	-0.16	0.06

Real time RT-PCR was performed on the adipose tissue RNA from 74 subjects (except as indicated) covering a wide range of BMI and S₁. S₁ was log transformed. *p<0.05; †p<0.01, ‡n=40 subjects