

**S6 Table. List of Genes**

<i>UniGene Symbol</i>	<i>UniGene Name</i>
ACTA2	Actin, alpha 2, smooth muscle, aorta
ACTB	Actin, Beta
ATF6	Activating transcription factor 6
CNN1	Calponin 1
CSRP2	Cysteine and glycine-rich protein 2
DES	Desmin
EGR1	Early growth response 1
HIF1	Hypoxia inducible factor 1
KLF4	Kruppel-like factor 4
MEF2	Myocyte Enhancer Factor 2
MKL1	Megakaryoblastic leukemia (translocation) 1, Myocardin-related transcription factor A (MRTFA)
MKL2	Megakaryoblastic leukemia (translocation) 2, Myocardin-related transcription factor B (MRTFB)
MYH11	Myosin, Heavy Chain 11, Smooth Muscle
PITX2	Paired-like homeodomain 2
SM22	Transgelin
SMTNB	Smoothelin B
SP1	Sp1 transcription factor
STAT3	Signal transducer and activator of transcription 3
VCL	Vinculin