

Supplemental materials

Table 1. Primer sequences used for RT-qPCR.

Gene	Cell	Forward primers	Reverse primers
VEGF α	HUVEC	ATCGAGTACATCTTCAAGCCAT	GTGAGGTTTGATCCGCATAATC
HIF-1 α	HUVEC	ACGTTTCCTTCGATCAGTTGTC ACC	GGCAGTGGTAGTGGTGGCATTAG
FGF	HUVEC	CACAGACACCAAATGAGGAA TG	CATTCTTCTTGAGGCCAACAAA
MMP2	HUVEC	ATTGTATTTGATGGCATCGCTC	ATTCATTCCCTGCAAAGAACAC
ANG	HUVEC	ACCCTCACAGAGAAAACCTAAG	GACGACGGAAAATTGACTGATC
TGF β 1	HUVEC	CTGTACATTGACTTCCGCAAG	TGTCCAGGCTCCAAATGTAG
SHH	HUVEC	GAGGAGTCTCTGCACTACGAG	GATATGTGCCTTGGACTCGTAG
ALP	hBMSC	CTGGTACTCAGACAACGAGATG	GTCAATGTCCCTGATGTTATGC
COL1	hBMSC	AAAGATGGACTCAACGGTCTC	CATCGTGAGCCTTCTCTTGAG
OPN	hBMSC	TCACACATGGAAAGCGAGGAGT TG _{SEP}	ACTGTCCTTCCCACGGCTGTC
IL-1 β	Raw264.7	GTTGACGGACCCCAAAGAT	TACTGCCTGCCTGAAGCTCT
IL-6	Raw264.7	ACCCCAATTTCCAATGCTCT	CGCACTAGGTTTGCCGAGTA
Arg	Raw264.7	CACACCAGCTACTGGCACACC	GCAACTGCTGTGTTCACTGTTCG
IL-1ra	Raw264.7	GGTGCCTATTGACCTTCATAGT	GATATCATCTCCAGACTTGGCA
PDGF-BB	Raw264.7	CCACGCACTCATCTCTTCCT	CACGCACACTGCACCTCTAA
GAPDH	HUVEC/h BMSC	AGATCCCTCCAAAATCAAGTGG	GGCAGAGATGATGACCCTTTT
GAPDH	Raw264.7	TGACCACAGTCCATGCCATC	GACGGACACATTGGGGGTAG

Table 2. CT values for RT-qPCR.

group	Blank			SLA			SLA-Sr		
gene	Ct Value			Ct Value			Ct Value		
VEGF α	24.070	24.410	24.309	23.989	24.329	24.228	23.748	23.800	23.698
HIF-1 α	21.958	22.355	22.780	21.454	21.958	22.596	19.707	19.719	20.087
FGF	29.380	29.300	29.220	29.139	29.059	28.979	28.899	28.818	28.738
MMP2	29.380	29.300	29.220	29.139	29.059	28.979	28.899	28.818	28.738
ALP	18.321	17.075	15.829	14.583	13.337	12.091	10.845	9.599	8.353
COL1	16.564	17.455	16.860	16.683	17.574	16.979	16.091	16.134	16.439
OPN	31.317	31.366	30.163	30.049	30.098	28.895	29.199	29.580	28.809
IL-1 β	29.757	29.884	29.862	28.862	28.860	28.653	29.593	29.720	29.698
IL-6	26.442	26.589	26.868	24.004	24.151	24.430	28.522	28.031	28.141
IL-1ra	24.425	23.348	23.392	23.654	22.577	22.621	22.271	22.209	22.374
PDGF-BB	25.083	25.377	25.223	23.180	24.175	33.966	23.477	22.413	22.465
ANG	26.945	26.896	27.345	24.918	24.975	24.730	24.928	24.938	24.842
MMP2	21.762	21.706	21.853	19.796	19.740	19.887	19.150	19.209	19.074
TGF β 1	21.933	21.954	21.988	20.316	20.337	20.371	20.286	20.313	20.289
SHH	21.831	21.785	21.823	19.530	19.484	19.522	19.397	19.364	19.393