

Table S1 The primer sequences of each gene

Genes	Primers	Application
<i>IL-6</i>	Forward: GAGACCACTGGGGAGAATGC Reverse: TTGCCAGGTGGGTAAAGTGG	RAW 264.7
<i>TNF-α</i>	Forward: CAGGCGGTGCCTATGTCTC Reverse: CGATCACCCCGAAGTTCAGTAG	
<i>iNOS</i>	Forward: GAATCTTGGAGCGAGTTG Reverse: CCAGGAAGTAGGTGAGGG	
<i>CD86</i>	Forward: ATGGGCTCGTATGATTGT Reverse: TCTTAGGTTTCGGGTGAC	
<i>IL-4</i>	Forward: CATCCTGCTCTTCTTTCTC Reverse: TTCTCCTGTGACCTCGTT	
<i>IL-10</i>	Forward: TTTCAAACAAAGGACCAG Reverse: GGATCATTTCGATAAAGG	
<i>Arg-1</i>	Forward: AAGACAGCAGAGGAGGTG Reverse: AGTCAGTCCCTGGCTTAT	
<i>CD206</i>	Forward: GCAAGTGATTTGGAGGCT Reverse: ATAGGAAACGGGAGAACC	
<i>GAPDH</i>	Forward: TCAACGGCACAGTCAAGG Reverse: TTAGTGGGGTCTCGCTCC	
<i>VEGF</i>	Forward: TATGCGGATCAAACCTCACCA Reverse: CACAGGGATTTTTCTTGTCTTGCT	HUVECs
<i>HIF-1α</i>	Forward: ATCCATGTGACCATGAGGAAAT Reverse: CTCGGCTAGTTAGGGTACACTT	
<i>bFGF</i>	Forward: AAGAGCGACCCTCACATCAA Reverse: GCCAGGTAACGGTTAGCACA	
<i>Ang-1</i>	Forward: CAGGAGGATGGTGGTTTG Reverse: GCCCTTTGAAGTAGTGCC	
<i>GAPDH</i>	Forward: CATCATCCCTGCCTCTACTGG Reverse: GTGGGTGTCGCTGTTGAAGTC	
<i>Runx2</i>	Forward: AATCCACAAGGACAGAGTCAGAT	

	Reverse: ACTGCCTGGGGTCTGAAAAAG	
<i>Col-1</i>	Forward: ACGCCATCAAGGTCTACTGC	
	Reverse: ACTCGAACGGGAATCCATCG	
<i>OPN</i>	Forward: CATTCTCGGAGGAAACCAGC	
	Reverse: GAATTCAGCCAGGAGAACTGC	MC3T3-E1
<i>OCN</i>	Forward: TTTCTGCTCACTCTGCTGACC	
	Reverse: ATGCGTTTGTAGGCGGTCTT	
<i>GAPDH</i>	Forward: TGAAGGGTGGAGCCAAAAG	
	Reverse: AGTCTTCTGGGTGGCAGTGAT	

IL-6 interleukin-6, *TNF- α* tumor necrosis factor- α , *iNOS* inducible nitric-oxide synthase, *IL-4* interleukin-4, *IL-10* interleukin-10, *Arg-1* arginase 1, *CD206* mannose receptor, *VEGF* vascular endothelial growth factor, *HIF-1 α* hypoxia inducible factor-1 α , *bFGF* basic fibroblast growth factor, *Ang-1* angiopoietin-1, *Runx2* Runt-related transcription factor 2, *Col-1* collagen type I, *OPN* osteopontin, *OCN* osteocalcin, *HUVECs* human umbilical vein endothelial cells