

Supplementary material

Table S1. TaqMan assays.

Genes	Biological function	Codes
<i>Gapdh</i>	Glycolysis pathway's enzyme	<u>Rn01775763_g1</u>
<i>Runx-2</i>	MSC differentiation into immature osteoblasts	Rn01512298_m1
<i>Osterix</i>	Expressed by mature osteoblasts, promotes osteogenesis	Rn02769744_s1
<i>Bmp-2</i>	Bone formation	<u>Rn00567818_m1</u>
<i>Bmp-7</i>	Bone formation and angiogenesis	Rn01528889_m1
<i>Vegf</i>	Blood vessels formation stimulation	<u>Rn01511602_m1</u>
<i>Il-6</i>	Organism defence during the acute inflammation process and tissue lesion	Rn01410330_m1
<i>Il-1β</i>	Pro-inflammatory cytokine secreted by macrophages	Rn01460205_m1
<i>Ccr7</i>	Chemokine (C-C motif) receptor 7; M1-macrophage phenotype	Rn02758813_s1
<i>CD86</i>	M1-macrophage phenotype surface marker	Rn00571654_m1
<i>CD68</i>	Pan-macrophage phenotype surface marker	Rn01495634_g1
<i>Il-10</i>	Inflammation control and modulation of the adaptive immune response	Rn01483988_g1
<i>Il-1rn</i>	Interleukin 1 receptor antagonist; M2-macrophage phenotype	Rn02586400_m1
<i>CD163</i>	M2-macrophage phenotype surface marker	Rn01492519_m1
<i>Arg1</i>	Arginase 1; M2a-macrophage phenotype	Rn00691090_m1