

**Table S2.** qPCR reagents and thermal cycle conditions

<b>Taqman gene expression assays</b>	<b>Gene</b>	<b>Assay no.</b>
	<i>Hprt</i>	Mm01545399_m1
	<i>Ccl2</i>	Mm00441242_m1
	<i>Tnf</i>	Mm00443260_g1
	<i>Il6</i>	Mm00446190_m1
	<i>Foxo1</i>	Mm00490672_m1
	<i>Foxo3</i>	Mn01185722_m1
	<i>Fbxo32</i>	Mm00499523_m1
	<i>Trim63</i>	Mm01185221_m1
	<i>Mstn</i>	Mm01254559_m1
	<i>Igf1</i>	Mm00439560_m1
	<i>Pomc</i>	Mm00435874_m1
	<i>Sgk1</i>	Mm00441387_g1

  

<b>SYBR green</b>	<b>Gene</b>	<b>Primer pairs</b>
	<i>Spp1</i>	(forward) CTTTACAGCCTGCACCCAGA (reverse) GCCACAGAATGCTGTGTCCT
	<i>Hprt</i>	(forward)AGCCTAAGATGAGCGCAAGT (reverse) TTACTAGGCAGATGGCCACA

Thermal cycle conditions performed on the 7900HT fast real-time PCR system: initial steps (UNG activation, 50°C for 2 min; DNA polymerase activation, 95°C for 10 min) and 40 cycles with a melting temperature of 95°C for 15 s and an annealing/extend temperature of 60°C for 60 s.