

**Supplementary Table SI.** Primer Sequences for RT-qPCR Analysis of Hub Genes in Human and Rat Samples

Species	Gene	Primer Sequence (5'-3')	Amplicon Size [bp]	Annealing Temp [°C]	Source
<b>Human</b>	TNF	Forward: CCTCTCTCTAATCAGCCCTC TG Reverse: GAGGACCTGGGAGTAGATG AG	123	60	PrimerBank ID: 25952110a1
	IL1B	Forward: ATGATGGCTTATTACAGTG GCAA Reverse: GTCGGAGATTCGTAGCTGG A	132	60	PrimerBank ID: 10835145a1
	MMP 9	Forward: GGGACGCAGACATCGTCAT C Reverse: TCGTCATCGTCGAAATGGG C	139	60	PrimerBank ID: 4826836a1
	TLR4	Forward: AGTTTCCTGCAATGGATCA AGG Reverse: CTGCTTATCTGAAGGTGTTG C	101	60	PrimerBank ID: 4507531a1
	ICA M1	Forward: ATGCCAGACATCTGTGTC C Reverse: GGGGTCTCTATGCCAACA A	115	60	PrimerBank ID: 4504563a1
	TLR2	Forward: GGCCAGCAAATTACCTGTG	124	60	PrimerBank ID:

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		TG Reverse: AGGCGGACATCCTGAACCT			4507529a1
	CXC L1	Forward: AACCGAAGTCATAGCCACA CTC Reverse: GTTGGATTTGTCACTGTTCA GC	107	60	PrimerBank ID: 4504153a1
	GAP DH	Forward: GGAGCGAGATCCCTCCAAA AT Reverse: GGCTGTTGTCATACTTCTCA TGG	197	60	PrimerBank ID: 378404907a 1
	Tnf	Forward: AAATGGGCTCCCTCTCATC AGTTC Reverse: TCTGCTTGGTGGTTTGCTAC GAC	111	60	Adapted from PrimerBank (mouse) ID: 6678343a1
	Il1b	Forward: CACCTCTCAAGCAGAGCAC AG Reverse: GGGTTCCATGGTGAAGTCA AC	79	60	Adapted from PrimerBank (mouse) ID: 6681258a1
	Mmp 9	Forward: CGGCAACTACTGTGGCTCC A Reverse: GGTCCAGGTCATCGGTGTA G	120	60	PMID: 31940591
	Tlr4	Forward: ATTCTCTACAAAATCCCCG	150	60	PMID: 33227949

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<b>Rat</b>		ACA Reverse: AAGATACACCAACGGCTCT GA			
	Icam 1	Forward: CGGTATGCCACCATTGACT T Reverse: CTCCAGCTCCACAGTTCTCA	108	60	Adapted from PrimerBank (mouse) ID: 6754318a1
	Tlr2	Forward: GGAGACTCTGGAAGCAGGT G Reverse: CGCTCTTCAGATTTCACGG GT	195	60	Adapted from PrimerBank (mouse) ID: 13399324a1
	Cxcl1	Forward: GACTCCAGCCACACTCCAA C Reverse: TGACAGCGCAGCTCATTG	134	60	PMID: 32470478
	Actb	Forward: GGCTGTATTCCCCTCCATCG Reverse: CCAGTTGGTAACAATGCCA TGT	154	60	Adapted from PrimerBank (mouse) ID: 6671509a1