

**Table S2 Primers of genes used in RT-qPCR**

Primer	Primer sequence 5'-3'	Amplification size	Genebank ID
<i>MAP2K2</i>	F: 5' GCAGCGATGTTATCAGCC 3'	140	XM_038169053.1
	R: 5' AAATCCACCTCCTCCACC 3'		
<i>PIK3R5</i>	F: 5' TGAAGAAGTCACTGGAAC 3'	193	XM_027471392.2
	R: 5' TACTTTTATCTGGGACACG 3'		
<i>JAK1</i>	F: 5' CCCAGGAATACCAATAACCG 3'	212	MK472063.1
	R: 5' AATGCCCTCGTAGAACC 3'		
<i>TRAF3</i>	F: 5' GCTGCACTTTTCAGGGAACA 3'	220	KX354824
	R: 5' TTCCGCAGCATTTCTCTG 3'		
<i>CASP3</i>	F: 5' AGTGGACCAGATGAAATG 3'	124	XM_027456288
	R: 5' ACTGAATAAACCAGGAGC 3'		
<i>ZBTB16</i>	F: 5' GGTTGAAGACTTGATGA 3'	189	XM_027444315
	R: 5' ATGAACAGACCCTTGATG 3'		
<i>TOX2</i>	F: 5' CAAAACCCCAATGCTA 3'	130	XM_027472955
	R: 5' GGGCTTTCAGATACTC 3'		
<i>IL13RA1</i>	F: 5' TCCACCTCCATCCAATT 3'	133	XM_027464870
	R: 5' AGGGACCTCATCAATCACTA 3'		
<i>CXCR4</i>	F: 5' CAGGTGACTACGGAGACT 3'	145	XM_027461870
	R: 5' CTGGTAGCCATAACAAC 3'		
<i>BCL10</i>	F: 5' AGGATGCGACCTTACTTG 3'	169	XM_027462839.2
	R: 5' GTCCCTTGGGTTTTCTG 3'		
<i>IL2RG</i>	F: 5' TACGAGACCAGGTTGCC 3'	135	NM_001310388.1
	R: 5' GTTGACACTGGCGTTGAG 3'		
<i>CDK1</i>	F: 5' ATTGTCTTCTGCCATTC 3'	104	XM_027462471
	R: 5' GCTAATCCAAAGTCTGC 3'		
<i>CCNB2</i>	F: 5' AAGCCAAAACCCAAGT 3'	222	XM_027467130
	R: 5' CCATAGGGACAGGAGAC 3'		
<i>E2F1</i>	F: 5' CGAGTTCATTGCCCTGTC 3'	101	XM_027442872
	R: 5' AGTCCCCAAAGTCACAGT 3'		
<i>GAPDH</i>	F: 5' TGCTAAGCGTGTCAATCATCT 3'	60	XM_027449739
	R: 5' AGTGGTCATAAGACCCTCCA 3'		