

Table S1 RT-PCR primers used in the quantitative assay

Functional	Target gene	Primer	Sequence (5' to 3')
Cell cycle	<i>sox2</i> 167bp	Forward	GCAGCAAACCTTCAGGGGG
		Reverse	TGTGCATCTTGGGGTTCTCT
	<i>sox17</i> 147bp	Forward	GAGTCGCTGAGTCCCCTCG
		Reverse	CTCGTCCTTAGCCCACACCA
	<i>ccna1</i> 273bp	Forward	AGTGCTGGCTCCAGTGTCC
		Reverse	CCCTGCTCGGGCTCATCC
	<i>ccna2</i> 282bp	Forward	TCGGCGTTGCTAACATTGC
		Reverse	CTCTTCTTCTGCTTCATCCA
	<i>ccnb1</i> 208bp	Forward	CAGTGCTCTGCTTCTCCC
		Reverse	CTTTGTTACCGATGTCTCCA
	<i>ccnb2</i> 208bp	Forward	TACTTGTCCTCGCCAGCA
		Reverse	TGAGGGTTTTCCCATCTTC
Immune response	<i>IL-6</i> 177bp	Forward	ATCAGGAGACCTGCTTGAT
		Reverse	TGGTGGCTTTGTCTGGATTC
	<i>IL-8</i> 100bp	Forward	TCCTGCTTTCTGCAGCTCTC
		Reverse	GGGTGGAAAGGTGTGGAAT
	<i>CSF2</i> 263bp	Forward	TCCTGGGCACTGTGGTCT
		Reverse	AGTCAAGGGGCTCTTGAGC
	<i>JNK1</i> 364bp	Forward	TCTTGACTTTGGACTGGC
		Reverse	TTTGTGTGCTCCGAATC
	<i>CXCL2</i> 248bp	Forward	CCAAACGGAAGTCATAGC
		Reverse	GAAATCTCATAAGAAGTAG
	<i>STAT3</i> 275bp	Forward	CGCCACTTTGGTGTTTCA
		Reverse	GCATCTGCTGCTTCTCTGTC
Oxidative stress	<i>DUOX1</i> 275bp	Forward	CAGAACCGCCAGAGTATCA
		Reverse	TCCTCCTCCAGGTCAAACA
	<i>DUOX2</i> 313bp	Forward	GGGAGCCACTGCTACCTAA
		Reverse	CAGCCCGTCACCTCGTTG
	<i>SOD1</i> 175bp	Forward	GCCTCTCCCGCTGCTTCT
		Reverse	GCCAGTCCTTTAATGGTTCC
	<i>GPX1</i> 259bp	Forward	GTGTATGCCTTCTCTGCG
		Reverse	CTGGTCGGACGTACTTGA
Internal control	<i>GAPDH</i> 170bp	Forward	CTTCACGACCATGGAGAAG
		Reverse	CCAAGCAGTTGGTGGTACA
	<i>β-actin</i> 100bp	Forward	CACGCCATCCTGCGTCTGG
		Reverse	AGCACCGTGTTGGCGTAGA