

Table S1. Primer pairs sequences used for real-time quantitative PCR.

Gene	Nucleotide sequence (from 5' to 3')	Product size (bp)	Accession no.
<i>cMnsod</i> ¹	F: GATCCATCACACCAAGCACC R: GTTCTCCTCCAGCTTCAGGT	193	FJ031018.1
<i>cat</i> ²	F: GCTCTGACCCTGACTATGCT R: CGACCAACAGGAATTAGCGG	180	FJ152102.2
<i>gsh-px</i> ³	F: TACCGTTCAGCAAGTACCGT R: GTGGTGTTTTCTGGTGACC	171	KY216076.1
<i>trx</i> ⁴	F: GAAAGGGCGAGAAGGTCCA R: CTACTCCCCAATGAGCCGAT	188	OP081649
<i>tlr</i> ⁵	F: ACTTTTGTGTTGTGCTGCGG R: CACCCTCACTCTATGCCCTT	126	MF124331.1
<i>relish</i> ⁶	F: GTGAGTTGAAAATAGTGCGGA R: ATTGGTAACTCTGTAGCGTGG	227	MF624027.1
<i>irak</i> ⁷	F: CCCACACTGCCACTCTCATC R: TCAGAAGGTTTCAGCCTCACTC	217	AFZ95002.1
<i>myd88</i> ⁸	F: TGCCACTCCCTGGATTACTAT R: AGCCAGAGAGTTCCCGTATTC	133	KM521426.2
<i>hsp70</i> ⁹	F: CGTGCAGTAGGCATCGATCT R: GTGTCTGTGAAGGCCACGTA	128	XM_045252351.1
<i>hsp90</i> ¹⁰	F: TGCTGGCCGTATCTACAGAATG R: GCGGGAAGTGTCTCTTCAT	127	XM_045250701.1
<i>po</i> ¹¹	F: TTTGCCGAGACAAGCAGTGTG R: TAGGCAGGCGCAGATGTCTC	139	XM_045278589.1
<i>ampk</i> ¹²	F: GCTGATGCCAGTGCCATGTA R: AATGCCAAGATGAGGTGCAAT	150	XM_045277426.1
<i>foxo</i> ¹³	F: CATAAGTTCTCGCCAGCCTC R: TAACCTTCAGGACACGGGAG	108	XM_045253728.1
<i>pi3k</i> ¹⁴	F: AGCCACCACTCGCTGAACA R: GGGATGGGACTCTGCTGAAG	124	ADE44090
<i>akt</i> ¹⁵	F: GGACTACGAGGCACCAAGAA R: TGGACCACTT-CATCACGCTC	179	XM_045254065.1
<i>nadph</i> ¹⁶	F: CTACTATGCCAGTCGCCGTG R: TGTGGCCCAAAGTTGATGGT	183	XM_045258166.1
<i>fabp1</i> ¹⁷	F: CACTCGCCAGTAGTCAATAGG R: TCACTTAGAGAGCAAAGGTCAC	219	KU950355
<i>fabp3</i> ¹⁸	F: GAAGGCACTTGGTGTTGGA	119	PRJNA432636

	R: TCTTGAGGGTGGAGATGGT		
<i>fatp4</i> ¹⁹	F: AAGAATGACCCAATGCGTG	178	PRJNA432636
	R: GCCAGCGAAAGGTGTCTC		
<i>acox2</i> ²⁰	F: ACCAACCACGGCATTAC	116	PRJNA432636
	R: TTGTCCACCCCATTCAGC		
<i>gst</i> ²¹	F: CTCCTTGCCCTTGAGTGGAC	163	XM_045273299.1
	R: CTGTGCGGTGTGCTCCTTT		
<i>β-actin</i>	F: CGAAACCTTCAACACTCCCG	155	FJ641977.1
	R: GGATAGCGTGAGGAAGGGCATA		
<i>18s rRNA</i>	F: CGCCTGTTTATCAAAAACAT	142	XM_045249033.1
	R: CCGGTCTGAACTCAGATCACG		
<i>gapdh</i> ²²	F: TGAGGTGAAGGTAGAGGAT	168	XM_045278068.1
	R: CCAGTGAAGTGAGCAGAG		

¹ *cMnsod*, superoxide dismutase; ² *cat*, catalase; ³ *gsh-px*, glutathione peroxidase; ⁴ *trx*, thioredoxin; ⁵ *tlr4*, toll like receptor 4; ⁶ *relish*, target of rapamycin; ⁷ *irak4*, interleukin 1 receptor associated kinase 4; ⁸ *myd88*, myeloid differentiation factor 88; ⁹ *hsp70*, heat shock protein 70; ¹⁰ *hsp90*, heat shock protein 90; ¹¹ *po*, phenol oxidase; ¹² *ampk*, Adenosine 5'-monophosphate (AMP)-activated protein kinase α2; ¹³ *foxo*, forkhead box protein O1; ¹⁴ *pi3k*, Phosphoinositide 3-kinase; ¹⁵ *akt*, protein kinase B; ¹⁶ *nadph*, nicotinamide adenine dinucleotide phosphate; ¹⁷ *fabp1*, fatty acid binding protein 1; ¹⁸ *fabp3*, fatty acid binding protein 3; ¹⁹ *fatp4*, fatty acid transport protein 4; ²⁰ *acox2*, acyl-coenzyme a oxidase 2; ²¹ *gst*, Glutathione S-transferase; ²² *gapdh*, glyceraldehyde-3-phosphate dehydrogenase.