

Table S1. Primers used for rt-qPCR: sequence, melting temperature and GenBank accession numbers

Type	Gene	Sequence 5'–3'	Tm	Accession number
Housekeeping	<i>rps18</i>	F GGGTGTGGCAGACGTTAC R CTTCTGCCTGTTGAGGAACCA	60	AM490061.1
	<i>rpl27a</i>	F AAGAGGAACACAACCTCACTGCCCCAC R GCTTGCCTTTGCCCAGAACTTTGTAG	68	AY188520
	<i>ef1a</i>	F CTTCAACGCTCAGGTCATCAT R GCACAGCGAAACGACCAAGGGGA	60	AF184170
	β -actin	F TCCTGCGGAATCCATGAGA R GACGTTCGCACTTCATGATGCT	60	X89920
Oxidative stress	<i>sod1</i>	F CCATGGTAAGAATCATGGCGG R CGTGGATCACCATGGTTCTG	60	AJ937872
	<i>sod2</i>	F CCTGACCTGACCTACGACTATGG R AGTGCCTCCTGATATTTCTCCTCTG	60	J0308833
	<i>cat</i>	F TGGTCGAGAACTTGAAGGCTGTC R AGGACGCAGAAATGGCAGAGG	58	JQ308823
	<i>gpx1</i>	F GAAGGTGGATGTGAATGGAAAAGATG R CTGACGGGACTCCAAATGATGG	63	DQ524992
	<i>gpx4</i>	F TGCGTCTGATAGGGTCCACTGTC R GTCTGCCAGTCTCTGTCTCGG	61	AM977818
	<i>gst3</i>	F CCAGATGATCAGTACGTGAAGACCGTC R CTGCTGATGTGAGGAATGTACCGTAAC	65	JQ308828
	<i>gr</i>	F CAAAGCGCAGTGTGATTGTGG R CCACTCCGGAGTTTTCATTTTC	60	AJ937873
	<i>prdx3</i>	F ATCAACACCCACGCAAGACTG R ACCGTTTGGATCAATGAGGAACAGACC	65	GQ252681
	<i>prdx5</i>	F GAGCACGGAACAGATGGCAAGG R TCCACATTGATCTTCTTCACGACTCC	64	GQ252683
Chaperones and proapoptotic	<i>calr</i>	F GGCGGCGGCTATGTGAAG R GCATCGCAGTCTGATCCAAGTC	60	KF857313
	<i>calnx</i>	F CCCGAGGGTTGGCTAGATGA R GGCGTCTGGGTCTCCGATAT	60	KF857314
	<i>hsp70</i>	F AATGTTCTGCGCATCATCAA R GCCTCCACCAAGATCAAAGA	60	EU805481
	<i>casp3</i>	F CTGATCTGGATGGAGGCATT R AGTAGTAGCCTGGGGCTGTG	60	EU722334

F, forward; R, reverse; Ta, annealing temperature; *rpl27a*, ribosomal protein l27a; *rps18*, ribosomal protein s18; *ef1a*, elongation factor 1 alpha; β -act, beta actin; *sod1*, superoxide dismutase 1; *sod2*, superoxide dismutase 2; *cat*, catalase; *gpx-1*, glutathione peroxidase 1; *gpx-4*, glutathione peroxidase 4; *gst3*, glutathione s-transferase 3; *gr*, glutathione reductase; *prdx3*, thioredoxin-dependent peroxide reductase 3; *prdx5*, thioredoxin-dependent peroxide reductase 5; *calr*, calreticulin; *calnx*, calnexin; *hsp70*, heat shock protein; *casp3*, caspase 3.