

Supplementary Table S1 Primers for qRT-PCR used in this study.

	Gene	Forward primer (5' to 3')	Reverse primer (5' to 3')
Heavy metal Chelation	MT1a	CCTGCAAATGTGGTGACTCT	ACCCACAGCTGCAGTTTGAT
	MT1c	CCTGCAAATGTGGTGATTCGT	ACAGTTACAGCTTGACCCGCA
	MT2a	GCGAGACAACCACAAGTGA	TGCAGGTGCAAGGATCACAC
	MT2b	GTGGAAGCTGTGGTTGTGG	AACGAAAGTCTCGCCGGAAG
	MT3	TGCTGACAAGACCCAGTGC	GCAAGTGCAGTTGACGCAG
	MT4a	ATCTGAATGTGGCAGAGGGAC	CATGTGCCCTTGATCCCCAG
	MT4b	TGCAGGTAAATGATGAGCG	CAAGTGCAACCCTTAGCAG
	GS1	AGCATGTCGCTGAAGATGTC	AACACGGGATCTACGCTTTG
	GS2	GTTTCGTTTCCTGGCCTTAGTC	CCATGACTACCGCTCTTGGG
	PCS1	TGGTGACTGGAGTTGTGGTG	CCCTGACCATGTCTGTGGAG
	PCS2	TTGACCCGGGAAGAAAGTGG	TTTGTGCGGAAAGCTTCGAC
ROS Scavenging	CuSOD1	GGTCCACATTTCAACCCCGA	CTGCATGGACAACAACAGCC
	CuSOD2	GATGGCGTGGCAGAAACAAC	CCACCCTTTCCGAGGTCATC
	FeSOD1	TCACCGCAAACCTACGTCCTC	GAGCAGCGTTGTTGAAAGCA
	FeSOD2	ACGGTTAGGGACAAAGGTGG	AATCCAAGGTTTCCCGGCTC
	FeSOD3	GGATGTGTGGGAGCACTCTT	AGCGATTGGGATGTTGGGTT
	MnSOD1	AATTCAACGGCGGAGGTCAT	GCACCCTCAGCACTCATCTT
	CAT1	ACTACAGGCACATGGAAGGC	ATGGCTGTGATTGGCTCCTC
	CAT2	GCTCGATGTGACCAAGACCT	GGCATAGGAGAAGACACGGG
	CAT3	ACATGGAGGGTTTCGGTGTC	TTAGTGGCGTGGCTGTGATT
	GR1	TCTGGACGCCAGGAAAAGAC	TGGATGTATCCCAACCGTGC
	GR2	TGGGCTGTTGGGGATGTTAC	TCCAATAGGTGGCTGGGAGA
	Actin	CAGCAGAGCGGGAAATTGTAAGAG	TTCCTTTCAGGTGGTGCAACGAC