

Supplementary Materials

Supplementary Table S1 Primers used for RT-qPCR

Gene ID	Annotation	Primer	Sequence (5'→3')
EH28_00471	<i>xdh/xo</i>	Forward	GGATACCAAGAACGGCGAGC
		Reverse	GGGATACCCAGAACCCTGCT
EH28_21452	<i>cyba</i>	Forward	GGTTTATGCTTGCTACTGTCCTC
		Reverse	GCTCTCTGTAAGTGGCTTTCGG
EH28_23324	<i>gpx3</i>	Forward	TTGTTCCAACTTCCTGCTGTT
		Reverse	TTCCACTTGATGTCGCTCGTC
EH28_10218	<i>mgst3</i>	Forward	ATTTACCCTCAGTGGCTTGTTTT
		Reverse	GCATCCTCTTGGCTGGATCTC
EH28_14649	<i>mgst1</i>	Forward	AATGAGGAAGATGTGGGCAGA
		Reverse	GAAGTGAAGCAGAGCAGTTGAAA
EH28_13201	<i>hol</i>	Forward	ACAGACTCAGACAAATCGGTAAAGA
		Reverse	CGAAGAACGACAGACCCTCG
EH28_23229	<i>nox1</i>	Forward	GCTGGGACTGCGATTCAAAC
		Reverse	CACCCTCAGGCACCAAAGA
EH28_03405	<i>nos1</i>	Forward	GGTTGCTAACAAGATGGGCTTA
		Reverse	TGATGGTCTACTATGGTCACTTTGC
EH28_09433	<i>mgst2</i>	Forward	TCAGAACTGTGTGGAGTGTTACCC
		Reverse	CCAGCAGAGACAGAGTGACAAAGA
EH28_23128	<i>foxo1a</i>	Forward	TTTATTTCCAGTTCTCTGCTTTCAC
		Reverse	TTTTATCCACCAACCTGCCTT
EH28_18750	<i>β-actin</i>	Forward	CTGTCCCTGTATGCCTCTGGTC
		Reverse	CTTGATGTCACGCACGATTTC

Supplementary Table S2 Lists, expression levels, and annotations of DETs associated with cellular redox regulation based on GO and KEGG annotations

Supplementary Tables S2 is listed as a separate file due to its large size.