

Table S1 Primer sequences used for validation of mRNA expression by RT-PCR analysis

Gene ID	Primer name	Primer sequence (5' to 3')
gpd	Real-gpd-F	GATGAAGGACTGGCGTGGT
	Real-gpd-R	CCGTTGAGGCTGGGAATGAC
POD	POD-F	GGCAGGGTAGAAGCGAAAGT
	POD-R	TACCCGACTCCACCGAATCT
GST	GST-F	GACTATTATCCCGCGAGGC
	GST-R	CCCAACTCACCACGCCTATT
SOD	SOD-F	GCTCGTAAGTCCCTTTCGT
	SOD-R	TCACATGCAACCGCGATAGA
TXN	TXN-F	AGGAGGAACGGCAGAAGTTG
	TXN-R	CATCGCACGAAAGAGCCAAG
REDX	REDX-F	GTAGACGAACGTGCCCGAAG
	REDX-R	CACCCATCCAAGTCCACCTC
CAT	CAT-F	TCTTGGTGGTTCCTGATGGC
	CAT-R	ATCCGCACACTTCGTTGTCT
CAMP	CAMP-F	CACACACACCGTGCAATCTG
	CAMP-R	TTGCTGATGCCTTCGGACAT
CALM	CALM-F	TCCAGGTGGGGTATCTGAGG
	CALM-R	CGTCCAACCACACCTCTCTC
<i>cch1</i>	<i>cch1</i> -F	CCCCGGAAGCATTGGTAAGT
	<i>cch1</i> -R	TGGGGCTCCCTGATTCCATA
CamK 1B	CamK 1B-F	CCCCGGAAGCATTGGTAAGT
	CamK 1B-R	TGGGGCTCCCTGATTCCATA
calcium transporting ATP	calcium transporting ATP-F	CTCTCTGCTCCTTCCGTTC
	calcium transporting ATP-R	TCGGCTCTCTCCAACGAAAC