

Table S1. Details of primers used for quantitative real-time PCR (qRT-PCR) analysis

S.No	Gene annotation details	Primer ID	Primer sequence (5'→3')	LOC number
1	Photosystem II oxygen evolving complex protein (<i>PS II-PsbP</i>)	<i>VrPS II-PsbP^a</i>	F: TAGACAAGGAAGGCGCCAAG R: TGCCACCCAAAAGGGTAGAG	LOC106758773
2	Photosystem II, Chlorophyll A-B binding protein (<i>PS II-LHCB</i>)	<i>VrPS II-LHCB^a</i>	F: CTGCTGGGAGCTATTGGAGG R: CGACCTGAACCGAGACCAAG	LOC106759760
3	Photosystem I PsaG/PsaK (<i>PS I- PsaG/PsaK</i>)	<i>VrPS I-PsaG/PsaK^a</i>	F: TGAAC TCAACTCGGCCCTTG R: CACTTGCTTTGCCACGTTCT	LOC106762387
4	Phosphoenolpyruvate carboxylase 3 (<i>PEPC 3</i>)	<i>VrPEPC 3^a</i>	F: TGCTTCAAAAGCATGCAAGGA R: GTGTTGGAGGGGTCCTCTTG	LOC106760805
5	Superoxide dismutase 2 (<i>SOD 2</i>)	<i>VrSOD 2^a</i>	F: CATGCATTCTTG CATGGAACC R: AAGCCATGCCCATCCTGAAC	LOC106770847
6	Peroxidase superfamily protein (<i>POD</i>)	<i>VrPOD^a</i>	F: CCCAGACGAAGGAGATCGTG R: CCTTTCCCTTGACGGTTGGT	LOC106768540
7	Catalase-2 (<i>CAT 2</i>)	<i>VrCAT 2^a</i>	F: GCCTAGATGGGAAGCGTGAA R: CAGATGCTGCGGATTTCGTG	LOC106764998
8	Heat Shock Protein-90 (<i>HSP-90</i>)	<i>VrHSP-90^a</i>	F: GGTGAGTGAGAAGGACACCC R: TATCTCTCGGCTGGTGTGGA	LOC106764678
9	Abscisic acid responsive elements-binding factor 2 (<i>ABF2</i>)	<i>VrABF2^a</i>	F: CAGCTGGTACAGGAGAAGGC R: TTGGCCCCACCACTTTCTTT	LOC106769302
10	Dehydration responsive element binding transcription factor (<i>DREB2C</i>)	<i>VrDREB2C^a</i>	F: GATCAACTCGGAAGGCACCA R: TGGCTCCCTAATCTCACCCA	LOC106764035
11	NAC transcription factor 1 (<i>NAC 3</i>)	<i>VrNAC 3^a</i>	F: GTCCCTTCTGTACCGCCATT R: CCAAACGTTTCGTTGGAGCC	LOC106753951
12	Actin	<i>VrActin^b</i>	F: CAGTGTCTGGATTGGAGGCT R: GTCCTCGACCACTTGATG	LOC106757568

Note: Primers from ^aCurrent study and ^bLi et al. [61]