

**Table S1** Primers used for gene expression analysis

	Gene	Forward	Reverse
Anthocyanin-related genes	<i>CHS</i>	CTCATGATGTATCAGCAGGG	ACATCCTTGAGGTGGAA
	<i>CHI</i>	GCAGTACTCGGACAAGGTGA	GTTTCGTTACACCGAAACC
	<i>F3H</i>	CCTACTTCTCGTACCCGGTG	GAACGTCGCGATCGACAG
	<i>DFR</i>	TGCTGGAGCTTCCCGGAGC	CGTGGGGATGATGCTGATGA
	<i>ANS</i>	GTCTCCGCGCTCTCCTTC	TCCTTCTCCTCCTTTGAGC
	<i>UFGT</i>	TGCCGCCGTACCTTGTGAAG	TTCCAGCCGCTGTGCGTGAA
Antioxidant-related genes	<i>APX</i>	GCAGCTGCTGAAGGAGAAGT	CACTGGGGCCACTACTAAT
	<i>CAT</i>	CCATGAGATCAAGGCCATCT	ATCTTACATGCTCGGCTTGG
	<i>DHAR</i>	GACCAAGGAGAACCTGATCG	CGTCGCTACTCTCACACGAC
	<i>GPX</i>	CCCCCTGTACAAGTTCCTGA	GTCAACAACGTGACCCCTCCT
	<i>GR</i>	TGCGTCCCGAAGAAGATACT	GTTGATGTCCCCGTTGATCT
	<i>MDAR</i>	GCTCCTCGACCATAAAGCTC	CATAGCTGCGACCAACTTGT
	<i>MnSOD</i>	CAGAGGGTGCTGCTTTACAA	GGTCACAAGAGGGTCCTGAT
	<i>ZnCuSOD</i>	CGCTCAGAGCCTCCTCTTT	CTCCTGGGGTGAGAGACAAT
Housekeeping gene (AB181991)	<i>Actin</i>	GCCACACTGTTCCAATCTATGA	TGATGGAATTGTATGTCGCTTC