

Table S1. Primers for qRT-PCR analysis

	NCBI RefSeq	Gene	Gene description	Forward	Reverse
1	NM_00124747191.2	<i>HY5</i>	Transcription factor HY5	AAGAGAGGGAAGAAGCCCAGC	CTCTCCCTTGCTTGTGTGC
2	AH009615.2	<i>POR1</i>	Protochlorophyllide oxidoreductase (SIPOR)	CTTCATTCAAAATCAAGAGCGGAAG	TTCTTTCTGTACAGGGGTACTC
3	NM_001320256.1	<i>ELIP</i>	Early light inducible protein	CCTTCATAGGACTTCGCGTGTTA	CTTGGTTTTGGCTTAGCAGGT
4	X60275	<i>CAB1</i>	LhbC1 gene for LHCII type III	TCAGTGACGGTGGACTTGAC	ACCGGGGTATAAGTCGTTGC
5	NM_001247883.2	<i>PSY1</i>	Phytoene synthase 1	CGGGGAATTTGGGCTTGTG	CCACCTATCTAAGGCTGCCG
6	XM_004249510.4	<i>PAL1</i>	Phenylalanine ammonia-lyase 1	GAAGCGTTCATGTTGCTGG	TCAGTGAACTCGGGCTTCC
7	NM_001247104.2	<i>CHS</i>	Chalcone synthase	CCGTGGACCCAGTGAATCTC	AGAGTTTGGGCTGCTGAGAC
8	NM_001374394.1	<i>ANS</i>	Anthocyanidin synthase	TCTCAATTCCACCTCGCAC	ACTTTGCGCTCAGCAAGAAC
9	L14403.1	<i>rbcL</i>	Ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit	CTTTCCAAGGTCCGCCTCAT	AAGTCCACCGGAAGACATT
11	AM087200.3	<i>psbA</i>	Photosystem II protein D1	AATAGGGAGCCGCCGAATAC	AGCTGCTACCGCAGTTTCT
12	AM087200.3	<i>psbD</i>	Photosystem II protein D2	TATGATGGGAGTTGCCGGTG	TCTTCGGCTTGAGTTGGGT
13	AM087200.3	<i>psbB</i>	Photosystem II CP47 chlorophyll-binding protein	TCTTGGCAAAGGCCTCAAGT	CTGCCTAGCGGAACGGTTA
14	AM087200.3	<i>psbC</i>	Photosystem II CP43 chlorophyll-binding protein	GCACTTCTGGGACCTGAGAC	TCTTACATCTCCCCCTCCCG
15	Z11999.1	<i>psbO</i>	Photosystem II manganese-stabilizing protein	AACAAGGTTCAAGCAGGCTT	ACTCCTCCGCATTGCTCC
16	X63007.1	<i>psbP</i>	oxygen evolving enhancer 2 of Photosystem II	TACGGCTCCCCTGAAGAGTT	GCCTCCAACAGGTTAGCAGT
17	AY568719.1	<i>psbQ</i>	Photosystem II oxygen-evolving complex protein 3	GGCAGCCCAGAGAGTTAAGG	GCTGCATGGTCCAGATCACT
18	A0A3Q7F8W6	<i>Tubulin1</i>	Tubulin alpha chain	ACAACCTTGCCCGTGGACAT	TGCTCAAGAAGGGAGTGGGT