

Supplementary Table S4: The primers of target genes and the housekeeper gene for RT-qPCR

Gene ID	Gene Name	Gene full name		Primers
Os03g0718100	Actin		F	CTAAGCCAAGAGGAGCTGTTAT
			R	ATAACAGATAGGCCGTTGAAA
Os01g0600900	Cab2	Chlorophyll a-b binding protein 2	F	ACCCCGTCAACAACAACGCC
			R	CGTACACACACGCACACTCTCC
Os02g0197600	Cab8	Chlorophyll a-b binding protein 8	F	GGAGCACACATTTTCAGCTCACC
			R	AAGATTGCAATGGCCTCCCC
Os08g0435900	CabP4	Chlorophyll a-b binding protein P4	F	AACCCCTCAACTTCGAGCC
			R	CTGCAGCAGGTTGTCTGAAGG
Os06g0320500	Cab21	Chlorophyll a-b binding protein 1B-21	F	GCAAGGAGAAGGAGAAGGTAGG
			R	ATGGACCTAGGAGAGGAGTAGG
Os11g0242800	Cab26	Chlorophyll a-b binding protein CP26	F	TCATCCAGGCCTACGTCACC
			R	GGCGGCGAGATGTTTACAGG
Os01g0720500	LHCII	Chlorophyll a-b binding protein of LHCII type 1	F	CGCCATGTTCTCCATGTTTCGG
			R	GGAGATCCACACTCACTTGCC
Os07g0148900	psaK	Photosystem I reaction center subunit psaK	F	GCAAGGAGAAGGAGAAGGTAGG
			R	ATGGACCTAGGAGAGGAGTAGG
Os03g0778100	PSI-F	photosystem I reaction center subunit III	F	TGAGCTCATCACCGGCAACC
			R	TCCACTGCCAAATCAACTCACC
Os03g0343900	PsbX	Photosystem II reaction centre X protein	F	ACGTACGTGTTTGTGTTGGC
			R	ACAAAGAAGATAGGGGCGCT
Os01g0938100	Psb28	photosystem II reaction center PSB28 protein	F	CTCCAAGAGCCACCAAACGG
			R	CGCCGAACGATGAATGCAGG