

Table S1 Primers used for RT-qPCR.

Gene ID of Hibiscus	Closest AGI	Gene description	Primer-Forward (5')	Primer-Reverse (3')
120218252	AT4G02770	PSAD-1; photosystem I subunit D-1	5'-AAGGTCCGAACCTGCTCAAG-3'	5'-ACACCATCTTTGGGGTGCAA-3'
120143282	AT1G79040	PSBR; photosystem II subunit R	5'-AGAGTCGAGAGATCGGGTGT-3'	5'-CTTGATCTTCTTGCCGCCAC-3'
120187868	AT2G30790	PSBP-2; photosystem II subunit P-2	5'-ATAACGGCCACCGTCAACAA-3'	5'-CCATTTCTTCTTCCAGAACTTGGT-3'
120159644	AT5G66570	PSBO1; PS II oxygen-evolving complex 1	5'-GCTAGGCTGACTTGCTGTTTG-3'	5'-GCTCCCGAGACAACAAGAGC-3'
120133157	AT1G61520	LHCA3; photosystem I light harvesting complex gene 3	5'-CTGCCCTCACTCAGCAACAA-3'	5'-TCTGCCTTGCAGTCTCAACT-3'
120131690	AT2G34420	LHB1B2; photosystem II light harvesting complex gene B1B2	5'-GACCCAGTTAACAACAATGC-3'	5'-CACGAAAATCACATCTTATTGA-3'
120138621	AT2G40100	LHCB4.3; light harvesting complex PSII	5'-TGGGTACTCTTGGTGCAATC-3'	5'-CCCAAGATAAGAAGACCCCTTCC-3'
120127552	AT4G21280	PSBQ; photosystem II subunit Q	5'-GACCTCGATTTGGCGTACAA-3'	5'-AGAATGTCCTTGGCTGATTCC-3'
120161339	AT4G12800	PSAL; photosystem I subunit L	5'-CTCAAACCTTCCGGCATACA-3'	5'-CCTTAGAGGACCCGCTTTAAC-3'
120195698	AT1G06680	PSBP-1; photosystem II subunit P-1	5'-GTGCATTACCACCATTACCATTAC-3'	5'-GGCGATAACGAGGATGATCTAC-3'
120201701	AT1G30380	PSAK; photosystem I subunit K	5'-CTGATTACCATTATTCGCCCTCT-3'	5'-TGGCTGGAGTTACAGAGATTTG-3'
120187249	AT5G61410	RPE; Ribulose-phosphate 3-epimerase	5'-CCTGCCACCCCACTTACATC-3'	5'-CGATAAAGCTCTGCCCACCA-3'
120190004	AT1G73110	RCA-A; Rubisco activase-A	5'-TCTGGGGAGGGAAAGGTCAA-3'	5'-TGGTTCTCCAGCCCATTGAG-3'
120130928	AT1G67090	RBCS1A; ribulose biphosphate carboxylase small subunit 1A	5'-CAACCATTGCCACTGTCAACC-3'	5'-CAGAGGAGGATTTGAGGCCG-3'
120147236	AT2G39730	RCA-B; Rubisco activase-B	5'-GAAAACCCCGTGTCCCAG-3'	5'-ATACGACCGTCACGGATGAG-3'
120200474	AT1G32060	PRK; Phosphoribulokinase	5'-AACACCATCGAAAACGCGCC-3'	5'-GCCAGACCAATCACAACCGT-3'
		18s rRNA ^a	5'-AACACGGACCAAGGAGTCTG-3'	5'-GCCTCCACCAGAGTTTCCTC-3'

a: From Lu et al (2022) A comparative analysis of photosynthetic function and reactive oxygen species metabolism responses in two hibiscus cultivars under saline conditions. *Plant Physiology and Biochemistry* **184**: 87-97.

Table S2 The loadings of PCA (Figure 5a) of physiological parameters of of grafted *H. syriacus* leaves grown under either 0 (control) or 300 mM NaCl condition.

Variables	PC1	PC2	PC3	PC4	PC5	PC6
Chl a	0.60	0.73	0.46	0.15	0.05	0.10
Chl b	0.65	0.58	0.54	0.16	-0.11	-0.25
Chl a+b	0.63	0.70	0.49	0.15	0.01	0.01
Car	0.89	0.40	0.22	0.13	0.10	0.26
Chla/b	0.68	-0.14	-0.48	-0.09	0.32	0.53
Fm	-0.03	0.98	-0.03	0.14	-0.19	0.08
Fo	0.96	-0.23	-0.11	0.15	-0.25	-0.11
Fm'	-0.48	0.73	-0.51	0.09	-0.25	-0.13
Fs	0.94	0.01	-0.24	0.20	-0.32	-0.16
Fv/Fm	0.80	0.66	-0.06	0.03	0.09	0.11
ΦPSII	0.37	0.85	-0.44	-0.18	0.18	-0.09
NPQ	0.82	0.00	0.51	0.04	0.10	0.22
qP	0.95	-0.02	-0.36	-0.16	0.08	-0.16
ETR	0.37	0.85	-0.44	-0.18	0.18	-0.09
Pn	-0.87	0.49	0.12	-0.15	0.03	0.09
Ci	0.89	-0.30	-0.22	0.29	0.28	-0.07
WUEi	0.27	0.53	0.05	-0.70	-0.41	0.24
E	-0.87	0.23	0.07	0.37	0.32	0.07
Gs	-1.02	0.14	-0.04	0.14	0.14	0.12
E/Gs	1.05	-0.13	-0.02	0.12	0.00	-0.09
ETR/Pn	0.99	-0.30	-0.17	-0.01	-0.05	-0.11
Pnmax	-0.47	0.42	0.27	-0.35	0.47	-0.43
LSP	0.39	-0.65	0.50	-0.44	0.02	-0.03
LCP	0.93	-0.28	0.02	-0.09	0.09	0.02
AQY	0.31	0.41	0.31	0.67	0.49	-0.12
Rd	0.76	-0.04	-0.02	-0.21	0.34	-0.13