IAA content (Figure S1)

Treatments	Time	repetition	IAA content (μmol·g⁻¹FW)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	0.169	0.16	0.01	b	B
		2	0.157				
		3	0.144				
L		1	0.166	0.16	0.01	b	B
		2	0.145				
		3	0.164				
L+S		1	0.185	0.18	0.00	a	A
		2	0.171				
		3	0.178				
L+S+TIBA		1	0.134	0.13	0.00	c	C
		2	0.136				
		3	0.132				
L+S+BBO		1	0.139	0.13	0.00	c	C
		2	0.130				
		3	0.133				
CK	48 h	1	0.120	0.12	0.00	a	C
		2	0.129				
		3	0.114				
L		1	0.086	0.09	0.00	c	E
		2	0.099				
		3	0.092				
L+S		1	0.103	0.11	0.00	b	D
		2	0.111				
		3	0.103				
L+S+TIBA		1	0.073	0.08	0.00	cd	F
		2	0.080				
		3	0.080				
L+S+BBO		1	0.070	0.07	0.00	d	F
		2	0.064				
		3	0.078				

Sucrose content (Figure S2a)

Treatments	Time	repetition	Sucrose content $(mg\ g^{-1}FW)$	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	1.5729	1.57	0.167	c	F
		2	1.8622				
		3	1.2836				
L		1	2.3301	2.40	0.041	b	DE
		2	2.4030				
		3	2.4729				
L+S		1	2.7654	2.79	0.012	a	C
		2	2.7865				
		3	2.8077				
L+S+TIBA		1	2.5019	2.58	0.043	b	CD
		2	2.5772				
		3	2.6525				
L+S+BBO		1	2.4636	2.40	0.034	b	DE
		2	2.3487				
		3	2.3907				
CK	48 h	1	2.2761	2.27	0.008	d	E
		2	2.2790				
		3	2.2542				
L		1	3.2919	3.08	0.121	b	B
		2	3.0816				
		3	2.8714				
L+S		1	3.4346	3.40	0.034	a	A
		2	3.4262				
		3	3.3277				
L+S+TIBA		1	2.6631	2.56	0.054	c	CD
		2	2.5469				
		3	2.4790				
L+S+BBO		1	2.6815	2.72	0.025	c	C
		2	2.7681				
		3	2.7248				

Glucose content (Figure S2b)

Treatments	Time	repetition	Glucose content （mg g^{-1}FW）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	0.2781	0.31	0.02	c	D
		2	0.3138				
		3	0.3494				
L		1	0.4188	0.42	0.01	ab	BC
		2	0.4141				
		3	0.4329				
L+S		1	0.4768	0.46	0.01	a	B
		2	0.4581				
		3	0.4394				
L+S+TIBA		1	0.4146	0.46	0.03	a	B
		2	0.4589				
		3	0.5032				
L+S+BBO		1	0.4018	0.40	0.00	b	C
		2	0.3932				
		3	0.3929				
CK	48 h	1	0.4069	0.40	0.01	c	C
		2	0.3758				
		3	0.4058				
L		1	0.5474	0.51	0.02	b	A
		2	0.4925				
		3	0.5047				
L+S		1	0.5470	0.55	0.00	a	A
		2	0.5497				
		3	0.5444				
L+S+TIBA		1	0.5383	0.53	0.01	ab	A
		2	0.5206				
		3	0.5277				
L+S+BBO		1	0.4885	0.51	0.01	b	A
		2	0.5242				
		3	0.5063				

Frucose content (Figure S2c)

Treatments	Time	repetition	Frucose content （mg g^{-1}FW）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	0.3141	0.32	0.00	e	G
CK	24 h	2	0.3178	0.32	0.00	e	G
CK	24 h	3	0.3215	0.32	0.00	e	G
L	24 h	1	0.3572	0.36	0.00	d	F
L	24 h	2	0.3686	0.36	0.00	d	F
L	24 h	3	0.3636	0.36	0.00	d	F
L+S	24 h	1	0.4175	0.42	0.00	c	E
L+S	24 h	2	0.4306	0.42	0.00	c	E
L+S	24 h	3	0.4203	0.42	0.00	c	E
L+S+TIBA	24 h	1	0.4929	0.49	0.01	a	C
L+S+TIBA	24 h	2	0.5084	0.49	0.01	a	C
L+S+TIBA	24 h	3	0.4774	0.49	0.01	a	C
L+S+BBO	24 h	1	0.4679	0.46	0.00	b	D
L+S+BBO	24 h	2	0.4600	0.46	0.00	b	D
L+S+BBO	24 h	3	0.4549	0.46	0.00	b	D
CK	48 h	1	0.4596	0.45	0.01	c	D
CK	48 h	2	0.4343	0.45	0.01	c	D
CK	48 h	3	0.4469	0.45	0.01	c	D
L	48 h	1	0.5805	0.59	0.00	b	B
L	48 h	2	0.5907	0.59	0.00	b	B
L	48 h	3	0.5911	0.59	0.00	b	B
L+S	48 h	1	0.6540	0.65	0.00	a	A
L+S	48 h	2	0.6453	0.65	0.00	a	A
L+S	48 h	3	0.6432	0.65	0.00	a	A
L+S+TIBA	48 h	1	0.5996	0.60	0.00	b	B
L+S+TIBA	48 h	2	0.5901	0.60	0.00	b	B
L+S+TIBA	48 h	3	0.5956	0.60	0.00	b	B
L+S+BBO	48 h	1	0.5889	0.60	0.00	b	B
L+S+BBO	48 h	2	0.5962	0.60	0.00	b	B
L+S+BBO	48 h	3	0.6035	0.60	0.00	b	B

Sorbitol content (Figure S2d)

Treatments	Time	repetition	Sorbitol content （mg g^{-1}FW）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	3.3054	3.43	0.07	d	G
		2	3.4252				
		3	3.5450				
L		1	4.0592	4.06	0.01	c	EF
		2	4.0397				
		3	4.0787				
L+S		1	4.6826	4.68	0.01	a	D
		2	4.6979				
		3	4.6672				
L+S+TIBA		1	3.1003	3.28	0.09	d	G
		2	3.3427				
		3	3.3834				
L+S+BBO		1	4.2597	4.20	0.04	b	E
		2	4.2316				
		3	4.1203				
CK	48 h	1	3.8458	3.85	0.01	d	F
		2	3.8666				
		3	3.8250				
L		1	5.5330	5.50	0.02	b	B
		2	5.4624				
		3	5.4977				
L+S		1	5.8980	5.90	0.03	a	A
		2	5.8436				
		3	5.9523				
L+S+TIBA		1	5.4538	5.13	0.19	c	C
		2	4.8115				
		3	5.1326				
L+S+BBO		1	4.7816	4.97	0.10	c	C
		2	5.1257				
		3	5.0063				

MDA content (Figure S3)

Treatments	Time	repetition	MDA content （nmol g^{-1}Fw）	mean	standard error	significant difference between treatments	significant difference between full data
CK		1	31.6994	30.46	0.80	b	D
		2	30.7320				
		3	28.9522				
L		1	38.4904	39.14	1.08	a	BC
		2	41.2373				
		3	37.6852				
L+S	24h	1	35.3871	30.21	2.59	b	D
		2	27.6763				
		3	27.5762				
L+S+TIBA		1	37.3683	36.71	0.38	a	C
		2	36.7091				
		3	36.0500				
L+S+BBO		1	37.0391	36.99	0.16	a	C
		2	36.6850				
		3	37.2341				
CK		1	36.4390	35.49	1.52	b	C
		2	32.5010				
		3	37.5192				
L		1	44.5029	46.22	1.64	a	A
		2	49.5090				
		3	44.6569				
L+S	48h	1	37.1707	37.23	0.04	b	C
		2	37.2320				
		3	37.2934				
L+S+TIBA		1	42.6357	42.64	0.92	a	AB
		2	41.0374				
		3	44.2340				
L+S+BBO		1	44.1082	44.79	0.80	a	A
		2	46.3848				
		3	43.8679				

$O_2^{\cdot-}$ content (Figure S4a)

Treatments	Time	repetition	O_2^- content ($\mu g \cdot g^{-1} Fw$)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	9.202	9.38	0.10	c	E
		2	9.565				
		3	9.384				
L		1	15.046	14.16	0.45	a	B
		2	13.577				
		3	13.847				
L+S		1	9.755	9.57	0.11	c	E
		2	9.572				
		3	9.389				
L+S+TIBA		1	14.846	14.31	0.31	a	B
		2	14.305				
		3	13.764				
L+S+BBO		1	11.194	11.49	0.30	b	D
		2	11.192				
		3	12.085				
CK	48h	1	9.601	9.60	0.19	d	E
		2	9.931				
		3	9.272				
L		1	16.716	16.28	0.25	a	A
		2	16.280				
		3	15.845				
L+S		1	9.990	9.91	0.23	d	E
		2	10.262				
		3	9.484				
L+S+TIBA		1	12.576	12.29	0.18	b	C
		2	12.332				
		3	11.953				
L+S+BBO		1	11.624	11.62	0.12	c	CD
		2	11.412				
		3	11.835				

H$_2$O$_2$ content (Figure S4c)

Treatments	Time	repetition	H$_2$O$_2$ (mmol g^{-1}Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	11.203	11.26	0.12	d	G
		2	11.489				
		3	11.084				
L		1	16.480	16.60	0.07	a	A
		2	16.598				
		3	16.716				
L+S		1	13.447	13.71	0.21	c	E
		2	14.125				
		3	13.556				
L+S+TIBA		1	15.098	15.11	0.01	b	C
		2	15.124				
		3	15.111				
L+S+BBO		1	15.148	15.15	0.02	b	C
		2	15.179				
		3	15.117				
CK	48 h	1	12.993	12.92	0.04	d	F
		2	12.853				
		3	12.923				
L		1	15.722	15.41	0.18	b	C
		2	15.098				
		3	15.410				
L+S		1	14.125	14.18	0.08	c	D
		2	14.087				
		3	14.337				
L+S+TIBA		1	16.442	16.12	0.36	a	B
		2	15.407				
		3	16.507				
L+S+BBO		1	15.573	15.30	0.16	b	C
		2	15.029				
		3	15.301				

SOD activity（Figure S5a）

Treatments	Time	repetition	SOD activity （$\mu mol\ g^{-1} \cdot min^{-1} Fw$）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	5.74	5.99	0.34	c	EF
		2	5.57				
		3	6.67				
L		1	6.61	7.10	0.27	b	BCD
		2	7.13				
		3	7.56				
L+S		1	8.99	8.99	0.08	a	A
		2	9.13				
		3	8.85				
L+S+TIBA		1	7.26	6.89	0.42	b	CD
		2	7.36				
		3	6.04				
L+S+BBO		1	7.33	7.30	0.02	b	BC
		2	7.27				
		3	7.30				
CK	48h	1	6.37	6.58	0.12	b	DE
		2	6.58				
		3	6.78				
L		1	5.31	5.63	0.21	d	F
		2	5.56				
		3	6.02				
L+S		1	7.73	7.63	0.05	a	B
		2	7.54				
		3	7.63				
L+S+TIBA		1	6.09	6.08	0.17	cd	EF
		2	5.78				
		3	6.38				
L+S+BBO		1	6.42	6.20	0.12	bc	EF
		2	6.20				
		3	5.99				

POD activity (Figure S5b)

Treatments	Time	repetition	POD activity ($\mu mol \cdot g^{-1} \cdot min^{-1}$ Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	41.04	39.84	0.67	b	DE
		2	38.73				
		3	39.76				
L		1	38.67	39.30	0.36	b	E
		2	39.30				
		3	39.93				
L+S		1	43.89	43.51	0.21	a	B
		2	43.47				
		3	43.17				
L+S+TIBA		1	38.29	39.20	0.46	b	E
		2	39.61				
		3	39.71				
L+S+BBO		1	35.46	35.75	0.46	c	F
		2	36.65				
		3	35.13				
CK	48h	1	42.50	41.99	0.63	b	BC
		2	42.72				
		3	40.74				
L		1	40.33	39.81	0.30	c	DE
		2	39.81				
		3	39.30				
L+S		1	47.93	47.18	0.38	a	A
		2	46.86				
		3	46.75				
L+S+TIBA		1	41.75	41.54	0.27	bc	CD
		2	41.00				
		3	41.88				
L+S+BBO		1	42.15	40.42	1.22	bc	CDE
		2	41.05				
		3	38.06				

CAT activity (Figure S5c)

Treatments	Time	repetition	CAT activity （μmol·g^{-1}·min^{-1} Fw）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.57	0.62	0.03	c	F
		2	0.64				
		3	0.65				
L		1	0.92	0.92	0.01	a	B
		2	0.93				
		3	0.91				
L+S		1	0.98	0.97	0.01	a	A
		2	0.97				
		3	0.96				
L+S+TIBA		1	0.84	0.79	0.03	b	E
		2	0.77				
		3	0.76				
L+S+BBO		1	0.83	0.83	0.01	b	DE
		2	0.84				
		3	0.82				
CK	48h	1	0.59	0.58	0.01	d	F
		2	0.58				
		3	0.57				
L		1	0.91	0.91	0.01	b	BC
		2	0.93				
		3	0.89				
L+S		1	1.00	1.01	0.03	a	A
		2	1.06				
		3	0.97				
L+S+TIBA		1	0.84	0.85	0.01	c	DE
		2	0.85				
		3	0.86				
L+S+BBO		1	0.89	0.87	0.02	bc	CD
		2	0.88				
		3	0.84				

APX activity (Figure S6a)

Treatments	Time	repetition	APXactivity ($\mu mol \cdot g^{-1} \cdot min^{-1}$ Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24 h	1	15.32	15.11	0.12	b	B
		2	15.11				
		3	14.90				
L		1	16.14	16.09	0.05	a	A
		2	15.99				
		3	16.14				
L+S		1	16.02	16.08	0.04	a	A
		2	16.06				
		3	16.15				
L+S+TIBA		1	14.70	15.07	0.21	b	B
		2	15.43				
		3	15.07				
L+S+BBO		1	14.37	14.37	0.37	c	C
		2	15.01				
		3	13.74				
CK	48 h	1	14.73	14.99	0.13	b	BC
		2	15.08				
		3	15.15				
L		1	15.72	15.99	0.19	a	A
		2	15.88				
		3	16.36				
L+S		1	16.18	16.18	0.04	a	A
		2	16.25				
		3	16.10				
L+S+TIBA		1	13.10	13.03	0.29	c	D
		2	13.49				
		3	12.50				
L+S+BBO		1	10.82	11.19	0.35	d	E
		2	11.89				
		3	10.87				

MDHAR activity (Figure S6b)

Treatments	Time	repetition	MDHAR activity （nmol g^{-1} ·min^{-1} Fw）	mean	standard error	significant difference between treatments	significant difference between full data
CK		1	116.30	121.04	3.60	c	D
		2	128.10				
		3	118.72				
L		1	142.71	134.19	4.26	b	C
		2	130.10				
		3	129.77				
L+S	24h	1	179.86	176.79	1.69	a	B
		2	176.46				
		3	174.04				
L+S+TIBA		1	134.19	134.19	2.70	b	C
		2	129.51				
		3	138.86				
L+S+BBO		1	131.13	136.20	2.57	b	C
		2	139.49				
		3	137.98				
CK		1	128.60	128.60	0.43	b	C
		2	129.34				
		3	127.85				
L		1	116.60	117.18	0.33	c	D
		2	117.73				
		3	117.20				
L+S	48h	1	190.32	195.97	3.35	a	A
		2	195.67				
		3	201.92				
L+S+TIBA		1	120.84	119.13	0.99	c	D
		2	117.42				
		3	119.13				
L+S+BBO		1	115.64	118.72	1.78	c	D
		2	118.72				
		3	121.80				

DHAR activity (Figure S6c)

Treatments	Time	repetition	DHAR activity ($\mu mol \cdot g^{-1} \cdot min^{-1}$ Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.19	0.18	0.01	b	B
		2	0.16				
		3	0.19				
L		1	0.15	0.14	0.01	c	D
		2	0.12				
		3	0.16				
L+S		1	0.22	0.22	0.00	a	A
		2	0.22				
		3	0.22				
L+S+TIBA		1	0.19	0.19	0.00	b	B
		2	0.19				
		3	0.19				
L+S+BBO		1	0.16	0.18	0.01	b	B
		2	0.19				
		3	0.18				
CK	48h	1	0.14	0.15	0.01	b	CD
		2	0.15				
		3	0.16				
L		1	0.16	0.17	0.01	b	BC
		2	0.17				
		3	0.19				
L+S		1	0.21	0.22	0.01	a	A
		2	0.22				
		3	0.23				
L+S+TIBA		1	0.07	0.09	0.01	c	E
		2	0.11				
		3	0.09				
L+S+BBO		1	0.10	0.11	0.01	c	E
		2	0.12				
		3	0.12				

GR activity (Figure S6d)

Treatments	Time	repetition	GR activity （nmol · g^{-1} · min^{-1} Fw）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	102.21	103.24	0.61	b	A
		2	103.19				
		3	104.33				
L		1	93.39	92.69	0.40	c	B
		2	92.69				
		3	91.99				
L+S		1	114.54	110.90	2.91	a	A
		2	113.01				
		3	105.15				
L+S+TIBA		1	74.63	76.96	1.35	d	C
		2	79.29				
		3	76.96				
L+S+BBO		1	61.27	64.44	1.60	e	D
		2	66.38				
		3	65.66				
CK	48h	1	87.08	91.88	3.20	b	B
		2	97.94				
		3	90.63				
L		1	59.43	63.84	4.13	c	D
		2	60.00				
		3	72.09				
L+S		1	108.34	108.62	0.16	a	A
		2	108.62				
		3	108.89				
L+S+TIBA		1	55.22	56.39	2.00	c	D
		2	53.66				
		3	60.28				
L+S+BBO		1	71.14	60.56	5.29	c	D
		2	54.89				
		3	55.66				

AsA content (Figure S7a)

Treatments	Time	repetition	AsA content (mg g-1 Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.538	0.55	0.02	d	F
		2	0.592				
		3	0.517				
L		1	0.654	0.64	0.01	c	E
		2	0.643				
		3	0.631				
L+S		1	0.952	0.92	0.02	a	B
		2	0.898				
		3	0.906				
L+S+TIBA		1	0.645	0.70	0.04	c	DE
		2	0.780				
		3	0.680				
L+S+BBO		1	0.775	0.78	0.00	b	CD
		2	0.777				
		3	0.773				
CK	48h	1	0.768	0.72	0.03	b	DE
		2	0.716				
		3	0.664				
L		1	0.910	0.86	0.03	b	B
		2	0.845				
		3	0.821				
L+S		1	1.007	1.01	0.01	a	A
		2	1.024				
		3	0.984				
L+S+TIBA		1	0.806	0.84	0.03	b	BC
		2	0.905				
		3	0.816				
L+S+BBO		1	0.867	0.86	0.04	b	B
		2	0.792				
		3	0.927				

DHA content (Figure S7b)

Treatments	Time	repetition	DHA content (mg g^{-1} Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.657	0.61	0.03	a	C
		2	0.546				
		3	0.635				
L		1	0.621	0.66	0.02	a	C
		2	0.701				
		3	0.661				
L+S		1	0.368	0.42	0.04	b	D
		2	0.389				
		3	0.507				
L+S+TIBA		1	0.670	0.68	0.02	a	C
		2	0.649				
		3	0.718				
L+S+BBO		1	0.582	0.64	0.04	a	C
		2	0.632				
		3	0.712				
CK	48h	1	0.605	0.61	0.00	c	C
		2	0.614				
		3	0.610				
L		1	0.665	0.71	0.05	bc	BC
		2	0.655				
		3	0.817				
L+S		1	0.446	0.44	0.00	d	D
		2	0.433				
		3	0.439				
L+S+TIBA		1	0.885	0.84	0.02	a	A
		2	0.799				
		3	0.842				
L+S+BBO		1	0.735	0.78	0.04	ab	AB
		2	0.855				
		3	0.747				

AsA/DHA (Figure S7c)

Treatments	Time	repetition	AsA/DHA	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.819	0.82	0.00	c	D
		2	0.817				
		3	0.815				
L		1	1.053	1.03	0.06	b	CD
		2	0.917				
		3	1.133				
L+S		1	2.588	2.45	0.08	a	A
		2	2.307				
		3	2.448				
L+S+TIBA		1	0.963	1.04	0.08	b	CD
		2	1.202				
		3	0.947				
L+S+BBO		1	1.379	1.23	0.08	b	C
		2	1.229				
		3	1.086				
CK	48h	1	1.537	1.51	0.10	b	B
		2	1.675				
		3	1.323				
L		1	1.368	1.22	0.11	c	C
		2	1.289				
		3	1.005				
L+S		1	2.259	2.31	0.03	a	A
		2	2.365				
		3	2.312				
L+S+TIBA		1	0.911	1.00	0.07	c	CD
		2	1.133				
		3	0.969				
L+S+BBO		1	1.179	1.12	0.10	c	C
		2	0.925				
		3	1.242				

GSH content (Figure S7d)

Treatments	Time	repetition	GSH ($\mu mol \cdot g^{-1}$ Fw)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	32.63	31.99	0.37	b	B
		2	31.34				
		3	31.99				
L		1	32.46	32.46	0.00	b	B
		2	32.46				
		3	32.46				
L+S		1	42.77	39.76	1.51	a	A
		2	38.02				
		3	38.50				
L+S+TIBA		1	28.66	31.43	1.40	b	B
		2	32.45				
		3	33.18				
L+S+BBO		1	25.32	26.15	0.99	c	D
		2	25.01				
		3	28.11				
CK	48h	1	26.30	30.00	2.38	bc	BC
		2	29.26				
		3	34.43				
L		1	30.75	31.84	0.63	b	B
		2	31.84				
		3	32.93				
L+S		1	41.75	41.05	1.20	a	A
		2	38.72				
		3	42.68				
L+S+TIBA		1	25.89	27.30	0.81	cd	CD
		2	27.30				
		3	28.70				
L+S+BBO		1	25.02	24.69	0.16	d	D
		2	24.52				
		3	24.54				

GSSG content (Figure S7e)

Treatments	Time	repetition	GSSG ($\mu mol \cdot g^{-1} \cdot Fw$)	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	11.66	11.44	0.13	c	E
		2	11.44				
		3	11.21				
L		1	14.11	14.11	0.10	a	A
		2	13.93				
		3	14.28				
L+S		1	11.30	11.55	0.14	c	E
		2	11.80				
		3	11.55				
L+S+TIBA		1	12.09	12.67	0.62	b	CD
		2	12.01				
		3	13.92				
L+S+BBO		1	12.80	12.80	0.02	b	CD
		2	12.76				
		3	12.83				
CK	48h	1	12.19	12.21	0.06	c	DE
		2	12.32				
		3	12.11				
L		1	14.30	14.26	0.03	a	A
		2	14.26				
		3	14.21				
L+S		1	13.56	13.32	0.17	b	BC
		2	12.98				
		3	13.41				
L+S+TIBA		1	13.75	13.98	0.22	a	AB
		2	14.42				
		3	13.77				
L+S+BBO		1	14.11	14.32	0.33	a	A
		2	13.88				
		3	14.98				

GSH/GSSG (Figure S7f)

Treatments	Time	repetition	GSH/GSSG	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	2.798	2.84	0.02	b	BC
		2	2.881				
		3	2.839				
L		1	2.166	2.17	0.09	cd	F
		2	2.330				
		3	2.003				
L+S		1	3.784	3.45	0.17	a	A
		2	3.223				
		3	3.333				
L+S+TIBA		1	2.370	2.49	0.11	c	DE
		2	2.702				
		3	2.384				
L+S+BBO		1	2.076	2.08	0.07	d	F
		2	1.960				
		3	2.190				
CK	48h	1	2.610	2.61	0.14	b	CD
		2	2.376				
		3	2.844				
L		1	2.151	2.23	0.05	c	EF
		2	2.234				
		3	2.317				
L+S		1	3.080	3.08	0.06	a	B
		2	2.983				
		3	3.182				
L+S+TIBA		1	1.883	2.06	0.10	c	F
		2	2.225				
		3	2.084				
L+S+BBO		1	1.773	1.73	0.04	d	G
		2	1.767				
		3	1.639				

G6PDH activity (Figure S8)

Treatments	Time	repetition	G6PDH activity ($\mu mol\ g^{-1}\ min^{-1}\ Fw$)	mean	standard error	significant difference between treatments	significant difference between full data
CK		1	85.64	90.21	5.48	d	G
		2	83.87				
		3	101.11				
L		1	122.83	122.33	1.09	bc	D
		2	120.24				
		3	123.93				
L+S	24h	1	158.24	151.54	3.46	a	B
		2	146.69				
		3	149.69				
L+S+TIBA		1	84.42	96.12	5.94	d	FG
		2	103.76				
		3	100.17				
L+S+BBO		1	116.76	117.23	0.37	c	DE
		2	117.97				
		3	116.97				
CK		1	81.94	88.00	5.95	d	G
		2	82.17				
		3	99.89				
L		1	141.07	134.79	3.14	b	C
		2	131.35				
		3	131.96				
L+S	48h	1	172.76	172.43	0.79	a	A
		2	173.60				
		3	170.94				
L+S+TIBA		1	100.55	108.03	6.87	c	EF
		2	101.79				
		3	121.76				
L+S+BBO		1	121.99	116.80	2.60	c	DE
		2	114.20				
		3	114.20				

NADPH content (Figure S9a)

Treatments	Time	repetition	NADPH content （μmol·g^{-1}Fw）	mean	standard error	significant difference between treatments	significant difference between full data
CK	24h	1	0.67	0.65	0.03	bc	CDE
		2	0.68				
		3	0.59				
L		1	0.69	0.70	0.02	b	BC
		2	0.67				
		3	0.74				
L+S		1	0.87	0.92	0.03	a	A
		2	0.92				
		3	0.97				
L+S+TIBA		1	0.60	0.62	0.01	c	E
		2	0.62				
		3	0.64				
L+S+BBO		1	0.68	0.68	0.00	b	CD
		2	0.69				
		3	0.68				
CK	48h	1	0.70	0.70	0.00	b	CD
		2	0.70				
		3	0.69				
L		1	0.71	0.70	0.02	b	BC
		2	0.67				
		3	0.72				
L+S		1	0.77	0.75	0.01	a	B
		2	0.75				
		3	0.73				
L+S+TIBA		1	0.63	0.65	0.01	c	CDE
		2	0.65				
		3	0.67				
L+S+BBO		1	0.64	0.64	0.00	c	DE
		2	0.65				
		3	0.64				

NADPH/NADP⁺ (Figure S9b)

Treatments	Time	repetition	NADPH/NADP$^+$	mean	standard error	significant difference between treatments	significant difference between full data
CK		1	2.286	2.05	0.12	bc	BC
		2	1.921				
		3	1.934				
L		1	2.281	2.20	0.04	b	B
		2	2.130				
		3	2.201				
L+S	24h	1	2.842	2.87	0.10	a	A
		2	2.714				
		3	3.054				
L+S+TIBA		1	1.809	1.79	0.01	d	CD
		2	1.785				
		3	1.761				
L+S+BBO		1	2.000	1.89	0.09	cd	CD
		2	1.951				
		3	1.714				
CK		1	2.372	2.18	0.12	a	B
		2	1.949				
		3	2.212				
L		1	1.711	1.79	0.11	b	CD
		2	1.653				
		3	1.995				
L+S	48h	1	2.302	2.25	0.04	a	B
		2	2.285				
		3	2.176				
L+S+TIBA		1	1.656	1.66	0.07	b	D
		2	1.773				
		3	1.547				
L+S+BBO		1	1.650	1.65	0.07	b	D
		2	1.779				
		3	1.525				