

10.1071/FP18182_AC

© CSIRO 2019

Supplementary Material: *Functional Plant Biology*, 2019, 46(9), 845–856.

Supplementary Material

Leaf metabolites profiling between red and green phenotypes of *Suaeda salsa* by widely targeted metabolomics

Xin Wang^A, Junhong Bai^{A,B}, Wei Wang^A and Guangliang Zhang^A

^AState Key Laboratory of Water Environment Simulation, School of Environment, Beijing Normal University, Beijing 100875, China.

^BCorresponding author. Email: junhongbai@163.com

Table S1. Carbohydrates detected in red and green phenotypes

GP, green phenotype; RP, red phenotype; N.S., not significant

Index	Compounds	Content		Fold change (RP/GP)	Regulation (RP/GP)
		GP	RP		
Sus0005	Gluconic acid	2.57E+04	2.05E+04	1.25	N.S.
Sus0031	Trehalose	8.77E+06	8.89E+06	0.99	N.S.
Sus0043	Glucose 6-phosphate	6.28E+03	6.66E+03	0.94	N.S.
Sus0065	D(-)-Threose	3.95E+04	8.46E+04	0.47	N.S.
Sus0087	Galactosamine 1-phosphate	2.82E+04	1.56E+04	1.81	N.S.
Sus0151	Tri-glucoside	1.59E+04	2.42E+04	0.66	N.S.
Sus0361	Mannitol 1-phosphate	2.16E+07	2.20E+07	0.98	N.S.
Sus0378	D(+)-Glucose	2.84E+05	8.79E+05	0.32	N.S.
Sus0379	N-Acetylmannosamine	1.82E+04	9.87E+03	1.84	N.S.
Sus0575	Glucosaminat	6.51E+04	5.44E+04	1.20	N.S.
Sus0604	2-Propenyl (sinigrin)	3.54E+03	2.51E+03	1.41	N.S.
Sus0645	Fructose 1-phosphate	2.17E+04	2.17E+04	1.00	N.S.
Sus0647	Inositol	1.77E+04	1.77E+04	1.00	N.S.
Sus0658	D-Arabitol	5.59E+03	9.00E+00	621.11	Up
Sus0659	D(-)-Fructose	7.88E+04	4.73E+04	1.67	N.S.
Sus0665	Ribitol	5.47E+04	1.93E+03	28.42	Up
Sus0666	D(+)-Mannose	1.42E+05	1.07E+05	1.33	N.S.
Sus0667	Maltose	8.58E+04	4.79E+04	1.79	N.S.
Sus0672	L-Gulonic- γ -lactone	3.74E+04	2.66E+04	1.40	N.S.
Sus0673	D(+)-Sucrose	6.66E+05	4.72E+05	1.41	N.S.
Sus0677	D(-)-Ribose	3.34E+05	5.79E+05	0.58	N.S.
Sus0680	Trehalose 6-phosphate	1.13E+04	6.88E+03	1.64	N.S.
Sus0683	L-Rhamnose	1.53E+04	1.74E+04	0.88	N.S.
Sus0689	2-Deoxyribose 1-phosphate	5.17E+05	3.24E+05	1.60	N.S.
Sus0692	Mannose-6-phosphate	1.08E+05	1.03E+05	1.05	N.S.
Sus0693	Ribulose-5-phosphate	2.47E+04	1.12E+04	2.20	N.S.
Sus0698	Glucarate O-Phosphoric acid	1.35E+06	1.14E+06	1.19	N.S.
Sus0748	Ribulose 1,5-diphosphate	8.33E+03	1.59E+04	0.52	N.S.
Sus0751	Ribose 1-phosphate	5.51E+03	1.20E+04	0.46	N.S.
Sus0752	Fructose 2,6-diphosphate	2.05E+05	1.16E+05	1.77	N.S.

Table S2. BCAA detected in red and green phenotypes

GP, green phenotype; RP, red phenotype; N.S., not significant

Index	Compounds	Content		Fold change (RP/GP)	Regulation (RP/GP)
		GP	RP		
Sus0069	L-Isoleucine	3.38E+07	4.42E+07	0.76	N.S.
Sus0385	L-Valine	8.88E+06	8.56E+06	1.04	N.S.
Sus0423	L-Leucine	3.40E+07	4.48E+07	0.76	N.S.