

Suppl. Table 1. Individual glucosinolate concentrations of pak choi, arugula and red frill grown under different salinity stress treatment timing at 1st, 2nd, and 3rd W measured at 1, 2, and 3 weeks after transplanting.

Plants	Times	Treatments	Glucosinolate concentration in plant (mg·g ⁻¹ DW)					
			PG	SIN	4OH	GB	4M	GIN
Pak choi	2WAT ^z	Cont.	0.20 ^y	0.09	0.65 a	n.d.	0.38	0.07
		1w	0.18	0.13	0.54 b	n.d.	0.35	0.03
		2w	0.19	0.07	0.32 b	n.d.	0.27	0.08
		Significance ^x	NS	NS	*	-	NS	NS
	3WAT	Cont.	0.15	0.04 b	0.24 ab	n.d.	0.18 b	0.07
		1w	0.14	0.06 a	0.18 b	n.d.	0.16 b	0.08
		2w	0.10	0.04 b	0.19 b	n.d.	0.20 b	0.07
		3w	0.11	0.05 ab	0.30 a	n.d.	0.26 a	0.06
	Significance	NS	*	*	-	*	NS	
	Arugula	2WAT	Cont.	0.36	0.15 b	0.08 a	0.14	0.04
1w			0.39	0.43 a	0.09 a	0.30	0.04	0.19 a
2w			0.38	0.28 ab	0.02 b	0.18	0.02	0.04 b
Significance			NS	*	**	NS	NS	*
3WAT		Cont.	0.26	0.11 b	0.07	0.06	0.07	0.10 b
		1w	0.33	0.20 ab	0.03	0.10	0.09	0.04 b
		2w	0.35	0.09 b	0.03	0.04	0.05	0.04 b
		3w	0.32	0.24 a	0.07	0.07	0.05	0.37 a
Significance		NS	*	NS	NS	NS	***	
Red frill		2WAT	Cont.	0.12	5.02 b	0.02 ab	n.d.	0.07
	1w		0.17	6.15 a	0.01 b	n.d.	0.05	n.d.
	2w		0.16	6.03 a	0.02 a	n.d.	0.05	n.d.
	Significance		NS	*	*	-	NS	-
	3WAT	Cont.	0.23	10.55	0.02	n.d.	0.07	n.d.
		1w	0.22	6.18	0.02	n.d.	0.06	n.d.
		2w	0.23	8.45	0.02	n.d.	0.08	n.d.
		3w	0.15	9.88	0.02	n.d.	0.09	n.d.
	Significance	NS	NS	NS	-	NS	-	

^zWAT: Week after transplanting, ^yMeans (n = 3) with different letters are significantly different ($p \leq 0.05$ by Tukey's multiple range test). ^{NS}Not significant ($p > 0.05$), *significant at $p \leq 0.05$, 0.01, or 0.001. PG: Progoitrin; SIN: Sinigrin; 4OH: 4-hydroxyglucobrassicin; GB: Glucobrassicinapin; 4M: 4-Methoxyglucobrassicin; GNI: Gluconasturtiin.

Suppl. Table 2. Individual phenolic compound concentrations of pak choi, arugula, and red frill grown under different salinity stress treatment timing at 1st, 2nd, and 3rd W measured at 1, 2, and 3 weeks after transplanting (WAT).

Plants	Times	Treatments	Phenolic compound concentrations (mgg ⁻¹ DW)								
			GA	CGA	4HB	CA	(-)-Ep	TFA	BA	Ru	TCA
Pak choi	2WAT ^z	Cont.	1.26 ^y	7.51 b	n.d.	4.54 a	38.88	n.d.	48.53 a	2.70	n.d.
		1w	1.43	8.85 ab	n.d.	4.42 a	32.50	n.d.	39.00 a	2.83	n.d.
		2w	1.27	10.19 a	n.d.	3.57 b	29.49	n.d.	14.85 b	2.43	n.d.
		Significance ^x	NS	**	-	*	NS	-	***	NS	-
	3WAT	Cont.	1.16	14.38 a	n.d.	4.89	34.09	n.d.	56.25 b	2.91 b	n.d.
		1w	1.26	12.56 b	n.d.	7.79	40.74	n.d.	71.75 a	3.04 b	n.d.
		2w	0.99	15.73 a	n.d.	8.31	41.61	n.d.	59.46 b	4.55 a	n.d.
		3w	0.99	13.09 b	n.d.	5.11	38.58	n.d.	43.28 c	3.08 b	n.d.
Significance	NS	*	-	**	NS	-	*	*	-		
Arugula	2WAT	Cont.	2.66	n.d.	n.d.	3.06 b	n.d.	n.d.	n.d.	n.d.	3.38 ab
		1w	2.47	n.d.	n.d.	2.94 b	n.d.	n.d.	n.d.	n.d.	2.44 b
		2w	3.15	n.d.	n.d.	8.91 a	n.d.	n.d.	n.d.	n.d.	4.35 a
		Significance	NS	-	-	***	-	-	-	-	*
	3WAT	Cont.	1.92	n.d.	n.d.	4.63 b	n.d.	n.d.	n.d.	n.d.	2.75
		1w	2.08	n.d.	n.d.	6.12 b	n.d.	n.d.	n.d.	n.d.	4.06
		2w	1.66	n.d.	n.d.	11.49 a	n.d.	n.d.	n.d.	n.d.	3.59
		3w	1.96	n.d.	n.d.	5.27 b	n.d.	n.d.	n.d.	n.d.	3.91
Significance	NS	-	-	*	-	-	-	-	-	NS	
Red frill	2WAT	Cont.	2.27	n.d.	2.65 a	9.31	n.d.	0.10	n.d.	10.83	n.d.
		1w	2.55	n.d.	2.39 ab	11.47	n.d.	1.01	n.d.	13.95	n.d.
		2w	2.73	n.d.	1.15 b	10.99	n.d.	1.44	n.d.	14.60	n.d.
		Significance	NS	-	*	NS	-	NS	-	NS	-
	3WAT	Cont.	2.09	4.51 b	3.77	10.12 ab	n.d.	0.84	n.d.	14.29	n.d.
		1w	1.86	3.82 b	2.54	11.62 a	n.d.	1.02	n.d.	17.74	n.d.
		2w	1.94	3.77 b	3.48	12.33 a	n.d.	1.16	n.d.	17.89	n.d.
		3w	2.52	7.20 a	2.88	7.03 b	n.d.	1.28	n.d.	11.19	n.d.
Significance	NS	*	NS	*	-	NS	-	NS	-		

^zWAT: Week after transplanting, ^yMeans (n = 3) with different letters are significantly different ($p \leq 0.05$ by Tukey's multiple range test), ^{NS}Not significant ($p > 0.05$), ^xsignificant at $p \leq 0.05$, 0.01, or 0.001. GA: Galic acid; CGA: Chlorogenic acid; 4HB: 4-hydroxybenzoic acid; CA: Caffeic acid; (-)-Ep: (-)-Epicatechin; TFA: trans-Ferilic acid; Ba: benzoic acid; Ru: Rutin; TCA: trans-Cinnamic acid.