

Supplemental Table 2. Content of Individual Photosynthetic Pigments of Col and the *vte2* Mutant During Low Temperature (7.5°C) Treatment.

Days in cold	lutein		β-car		N		V		A		Z	
	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>
0	154 ± 16	165 ± 10	66 ± 10	79 ± 6	43 ± 3	46 ± 2	37 ± 3	40 ± 3	1 ± 0	1 ± 0	0 ± 0	0 ± 0
1	148 ± 7	167 ± 21	65 ± 4	73 ± 14	39 ± 2	45 ± 6	27 ± 3	31 ± 5	4 ± 1	4 ± 2	0 ± 0	0 ± 0
2	154 ± 7	170 ± 8	64 ± 7	72 ± 8	42 ± 2	43 ± 3	34 ± 2	41 ± 3	3 ± 0	2 ± 1	0 ± 0	0 ± 0
5	167 ± 8	168 ± 9	63 ± 3	66 ± 4	40 ± 1	42 ± 3	46 ± 3	50 ± 3	2 ± 2	2 ± 1	0 ± 0	0 ± 0
7	160 ± 11	160 ± 11	58 ± 4	58 ± 4	42 ± 3	42 ± 3	46 ± 8	46 ± 8	4 ± 1	4 ± 1	0 ± 0	0 ± 0
14	159 ± 13	146 ± 26	61 ± 3	54 ± 13	45 ± 2	40 ± 9	46 ± 4	40 ± 6	2 ± 2	5 ± 2	0 ± 0	0 ± 0
28	184 ± 14	105 ± 9**	86 ± 13	48 ± 7**	55 ± 3	27 ± 5**	46 ± 3	30 ± 1**	2 ± 1	3 ± 1	0 ± 0	0 ± 0

Days in cold	total Car		Chl b		Chl a		total Chl		Chl a /Chl b	
	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>	Col	<i>vte2-1</i>
0	301 ± 32	330 ± 21	363 ± 23	388 ± 18	842 ± 75	931 ± 48	1205 ± 98	1319 ± 65	2.32 ± 0.06	2.40 ± 0.04
1	283 ± 14	319 ± 43	320 ± 11	359 ± 41	759 ± 34	854 ± 107	1079 ± 45	1212 ± 148	2.37 ± 0.03	2.38 ± 0.03
2	297 ± 18	329 ± 19	316 ± 6	317 ± 30	753 ± 38	790 ± 68	1069 ± 44	1107 ± 98	2.39 ± 0.07	2.49 ± 0.03
5	319 ± 14	327 ± 18	258 ± 7	262 ± 16	593 ± 18	613 ± 30	851 ± 24	875 ± 46	2.30 ± 0.02	2.34 ± 0.05
7	309 ± 25	309 ± 25	246 ± 17	246 ± 17	559 ± 32	559 ± 32	805 ± 49	805 ± 49	2.28 ± 0.03	2.28 ± 0.03
14	313 ± 23	286 ± 54	251 ± 9	209 ± 39	581 ± 18	499 ± 95	832 ± 26	708 ± 134	2.32 ± 0.03	2.39 ± 0.02
28	374 ± 30	213 ± 19**	304 ± 27	138 ± 21**	729 ± 89	357 ± 49**	1033 ± 114	495 ± 69**	2.39 ± 0.12	2.60 ± 0.18**

Values are expressed as pmol/mg FW. Data are means ± SD (n = 4 or 5). Student's *t* tests of *vte2-1* relative to Col (* P < 0.05, ** P < 0.01). N, neoxanthin; β-car, β-carotene; V, violaxanthin; A, antheraxanthin; Z, zeaxanthin; total Car, total carotenoids; Chl**b**, chlorophyll *b*; Chl**a**, chlorophyll *a*; total Chl, total chlorophylls.