

Table S5. Three-way ANOVA results for the effects of tissue type (GL and WL), time point (9th and 13th day) and two PAR intensities as well as their interaction on the content of the cell-wall bound phenolic compounds found in the leaves of *P. zonale* plants. Experimental conditions were as described in Figure 4. The *Dfs* are shown in the brackets (the first number represents *Df* of the main effects and their interactions and the second number is *Df* of error). CA der, caffeic acid derivative; *p*-CA, *p*-coumaric acid.

COLD + HL experiment							
Trait	Source of variation	<i>F</i>	<i>P</i> > <i>F</i>	Trait	Source of variation	<i>F</i>	<i>P</i> > <i>F</i>
<i>p</i>-CA aldehyde (<i>Df</i> : 1; 69)	tissue	2.49	0.1199	CA der 2 (<i>Df</i> : 1; 69)	tissue	65.55	< 0.0001
	time	6.58	0.0026		time	39.58	< 0.0001
	PAR	20.23	< 0.0001		PAR	53.52	< 0.0001
	tissue × time	2.17	0.1231		tissue × time	34.18	< 0.0001
	tissue × PAR	3.06	0.0853		tissue × PAR	51.83	< 0.0001
	time × PAR	13.00	0.0006		time × PAR	50.44	< 0.0001
	tissue × time × PAR	10.21	0.0022		tissue × time × PAR	51.11	< 0.0001
<i>p</i>-CA (<i>Df</i> : 1; 69)	tissue	48.58	< 0.0001	<i>p</i>-CA alcohol (<i>Df</i> : 1; 69)	tissue	10.06	0.0024
	time	3.11	0.0519		time	6.35	0.0031
	PAR	11.88	0.0010		PAR	19.65	< 0.0001
	tissue × time	1.25	0.2943		tissue × time	0.06	0.9450
	tissue × PAR	0.00	0.9650		tissue × PAR	16.66	0.0001
	time × PAR	6.36	0.0144		time × PAR	4.83	0.0319
	tissue × time × PAR	1.52	0.2223		tissue × time × PAR	3.57	0.0637