

**Table S2.** Repeated-measures analysis of variance (profile analysis) on EpFlav and Chl accumulation determined during 13 days of the *HL* and *Cold+HL* experiments in the leaves of *P. zonale* plants. Experimental conditions were as described in Figure 2. The *Dfs* are shown in the brackets (the first number represents the *Df* of main effects and their interactions and the second number is the *Df* of error). Other abbreviations are explained in Figure 2.

<b><i>HL experiment, source</i></b>				
<i>Between-subjects</i>	EpFlav ( <i>Df</i> : 1; 24)		Chl ( <i>Df</i> : 1; 24)	
	<i>F</i>	<i>P &gt; F</i>	<i>F</i>	<i>P &gt; F</i>
PAR	<b>97.23</b>	<b>&lt; 0.0001</b>	<b>13.50</b>	<b>0.0012</b>
<i>Within-subjects</i>	EpFlav ( <i>Df</i> : 1; 12)		Chl ( <i>Df</i> : 1; 12)	
Day	<b>194.50</b>	<b>&lt; 0.0001</b>	<b>2.33</b>	<b>0.0474</b>
Day × PAR	<b>148.05</b>	<b>&lt; 0.0001</b>	1.55	0.1798
<b><i>COLD + HL experiment, source</i></b>				
<i>Between-subjects</i>	EpFlav ( <i>Df</i> : 1; 24)		Chl ( <i>Df</i> : 1; 24)	
	<i>F</i>	<i>P &gt; F</i>	<i>F</i>	<i>P &gt; F</i>
PAR	<b>315.82</b>	<b>&lt; 0.0001</b>	0.02	0.8837
<i>Within-subjects</i>	EpFlav ( <i>Df</i> : 1; 12)		Chl ( <i>Df</i> : 1; 12)	
Day	<b>249.86</b>	<b>&lt; 0.0001</b>	<b>2.3874</b>	<b>0.0300</b>
Day × PAR	<b>208.86</b>	<b>&lt; 0.0001</b>	1.1568	0.3325