

Supplementary material

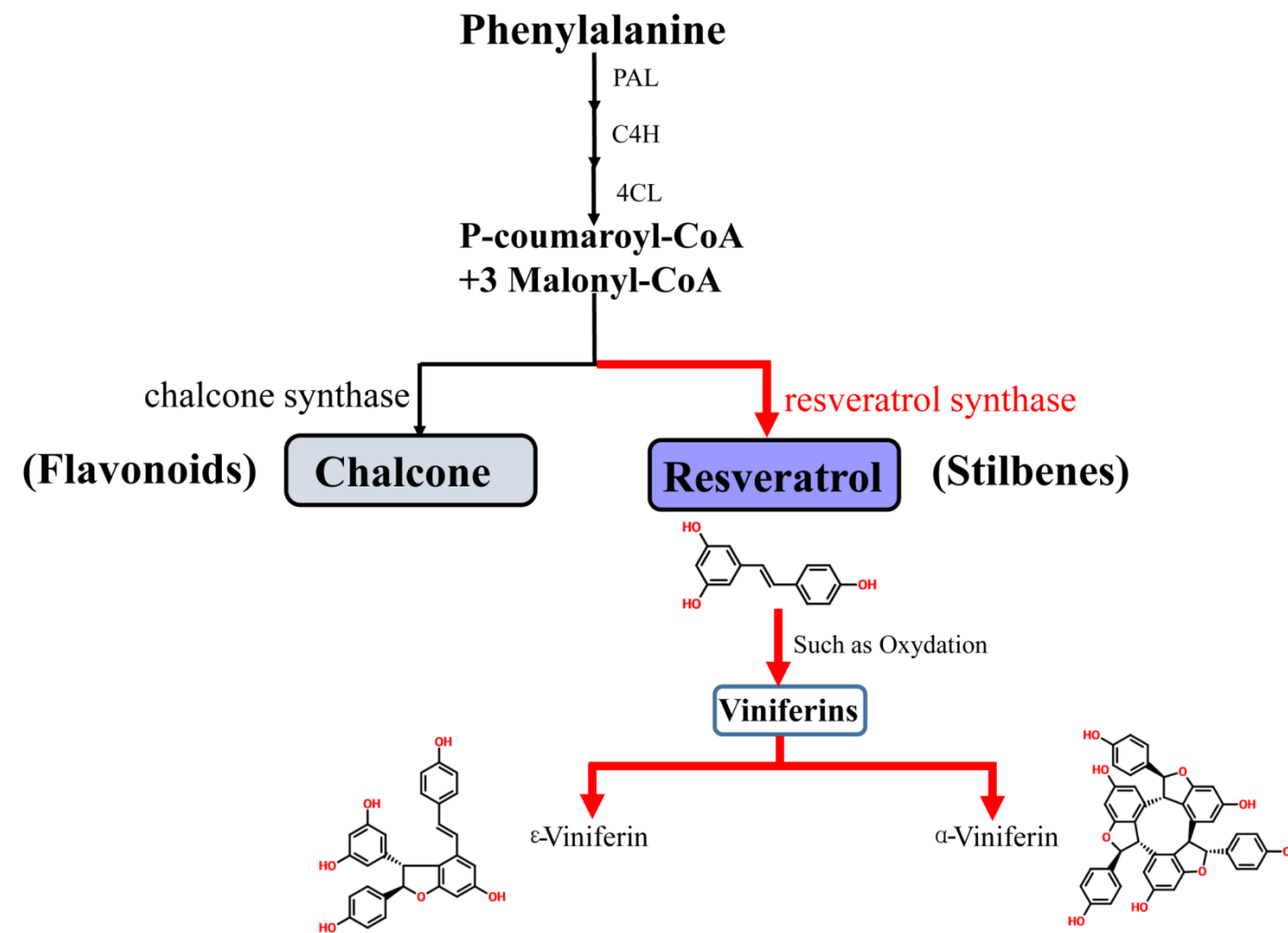


Figure S1. Simplified representation of the stilbene synthesis pathway.

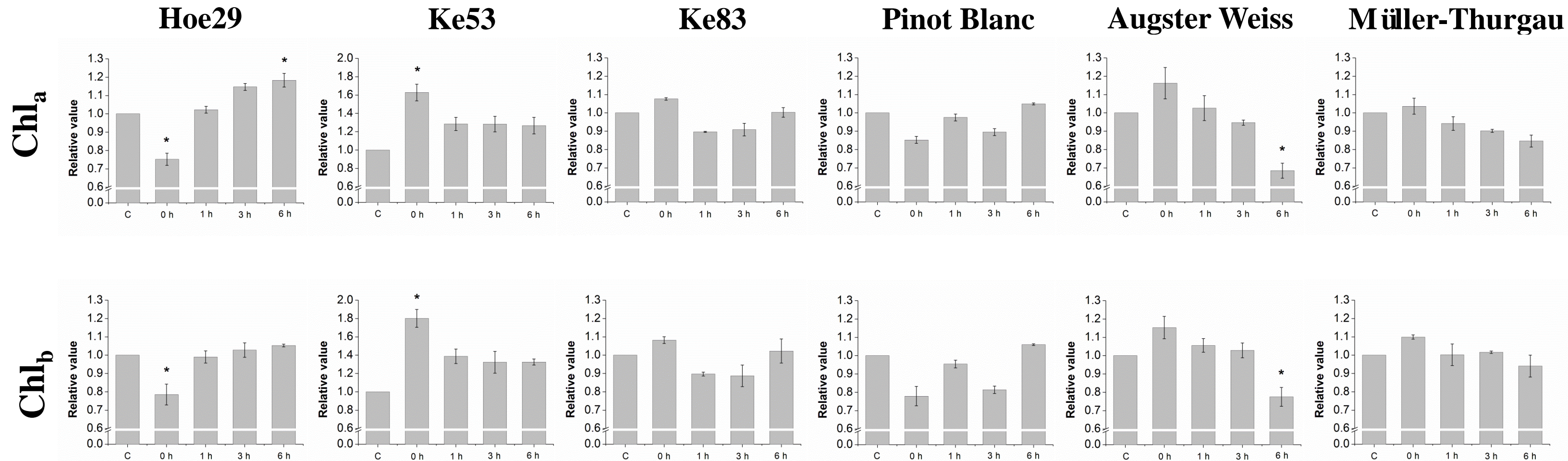


Figure S2. Changes in Chl_a and Chl_b in the Hoe29, Ke53, Ke83, Pinot Blanc, Augster Weiss and Müller-Thurgau genotypes after a 10 min UV-C pulse. * indicate differences that are statistically significant at the $P < 0.05$ level as determined by a one-sided paired t -test. Data represent mean values and standard errors from three independent biological replicates in each year and all analyses were repeated twice over two subsequent years.

Table S1. The Chl_{a+b} (mg l^{-1}) average concentration of negative controls which leaves were not exposed to UV-C at the same time points in different genotypes.

Chl_{a+b}(mg l⁻¹) Time (h)	Hoe29	Ke53	Ke83	Pinot Blanc	Augster Weiss	Müller-Thurgau
C	13.62	11.86	12.89	12.02	12.23	11.88
0	13.67	11.85	12.84	12.05	12.19	11.85
1	13.70	11.84	12.88	12.01	12.21	11.93
3	13.63	11.81	12.83	12.06	12.18	11.84
6	13.71	11.87	12.79	12.00	12.34	11.89

Table S2. Primers list used for real-time quantitative PCR in this study.

Name	GeneBank accession no.	Primer sequence 5'-3'	Reference
<i>EF1-α</i>	EC959059	Sense: 5'- -3' TGTCATGTTGTGTCGTCGTCCT Antisense: 5'- -3' CCAAAATATCCGGAGTAAAAGA	Duan et al. (2015)
<i>RESVERTROL SYNTHASE</i>	AF274281	Sense: 5'- -3' TGG AAGCAACTAGGCATGTG Antisense: 5'- -3' GTGGCTTTTTCCCCCTTTAG	Duan et al. (2015)

Table S3. The absolutely average value of *trans*-resveratrol and viniferin ($\mu\text{g/g}$ FW) at 6 h induced by 10 min UV-C.

<i>Trans</i> -resveratrol	Hoe29	Ke53	Ke83	Pinot Blanc	Augster Weiss	Müller-Thurgau
C	0.04	0.05	0.11	0.15	0.10	0.37
6 h	129.65	229.31	171.82	176.97	3.78	62.39
Viniferin	Hoe29	Ke53	Ke83	Pinot Blanc	Augster Weiss	Müller-Thurgau
C	0.13	0.13	0.23	0.22	0.20	0.01
6 h	9.34	7.14	4.58	4.25	0.78	0.09