SUPPLEMENTARY DATA

Table S1. Minimum and maximum temperature (C°) for 'Flame' grapevines grown in uncovered and covered conditions during the 2022 and 2023 seasons.

Season	2022				2023			
Condition	Covered		Uncovered		Covered		Uncovered	
Month	Min	Max	Min	Max	Min	Max	Min	Max
January	9	38	9	27	6	36	3	24
February	8	38	7	27	4	38	3	28
March	9	40	9	36	5	39	3	33
April	10	42	10	44	9	42	9	43

Table S2. The target genes, primers sequences and the expected amplicon sizes of anthocyanins biosynthesis pathway genes for qRT-PCR.

Gene	Accession N°	Forward primer (5'-3')	Reverse primer (5'-3')
F3H	KY006128	CAGTGCAAGACTGGCGCGAGATCGTA	TAGCCTCAGACAACACCTCCAGCAACT
CHS	KT589834	CACTCTTCGAACTCGTCTCT	CCACCAAGCTCTTCTCTATG
UFGT	GSVIVT0102441901	TGCAGGGCCTAACTCACTCT	GCAGTCGCCTTAGGTAGCAC
β-actin	GSVIVT010265800 01	GTGCCTGCCATGTATGTTGCC	GCAAGGTCAAGACGAAGGATA

F3H: Flavanone3-hydroxylase, *CHS*: chalcone synthase, *UFGT*: UDP-flavonoid 3-*O*-glucosyltransferase genes.