

Table S1. Primers for qRT-PCR expression analysis in *V.vinifera* Gamay leaves and cell cultures

Name	ID	Sequence (5'-3')
VvMYB14 Fw	VIT_07s0005g03340	TCTGAGGCCGGATATCAAAC
VvMYB14 Rev		GGGACGCATCAAGAGAGTGT
VvWRKY24 Fw	VIT_08s0058g00690	ATTCAAGCACTAGTATGAACAGAGCA
VvWRKY24 Rev		G
VvSTS36 Fw	VIT_16s0100g01100	CCTTGTTGCCTTGGCATGA
VvSTS36 Rv		CGCCAGGAGATAATCACTGCT
VvSTS29Fw	VIT_16s0100g01010	GCACCAGGCATTTCTACACC
VvSTS29Fw		GGTTTTGGACCAGGCTTGACT
VvPPCK1Fw	VIT_14s0036g00420.t01	GAGATAAAATACCTTACTCCTATTCAAC
VvPPCK1Rv		GCCGGAGTGATTTTGTACGTA
VvPPCK2Fw	VIT_05s0049g00950.t01	GATTCTCGTCGGAACCTCAA
VvPPCK2Rv		TACATAATGCTGGCCGGTATC
VvPEPC1Fw	VIT_12s0028g02180.t01	CTTTGCTGCCGTTGATACCGA
VvPEPC1Rv		GCGGCAAGTTTCTACCTTTGGAC
VvPEPC2Fw	VIT_19s0014g01390.t01	CTGCGTTCCTCAGACCATTCTCG
VvPEPC2Rv		GGAGGACTTGAAATGTGTTGACG
VvEF1-alphaFw		CAGCAAAATCACCTTCTTCAACT
VvEF1-alphaRv		GAACTGGGTGCTTGATAGGC
		AACCAAAATATCCGGAGTAAAAGA

Table S2. Parameters for MS intensity acquisition in MRM mode in an Agilent QqQ instrument.

Protein	Peptide sequence	Charge	Precursor Ion (m/z)	Product Ion (m/z)	Fragment ion	Dwell	Fragmentor	Collision Energy (eV)	Cell Accelerator Voltage	Polarity
PEPC	LADLEAAPAAVAR.heavy	2+	639.358011	865.476561	y9	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.heavy	2+	639.358011	736.433968	y8	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.heavy	2+	639.358011	684.356282	b7	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.heavy	2+	639.358011	665.396854	y7	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.heavy	2+	639.358011	594.35974	y6	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.light	2+	634.353876	855.468292	y9	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.light	2+	634.353876	726.425699	y8	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.light	2+	634.353876	684.356282	b7	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.light	2+	634.353876	655.388585	y7	10	380	20.7	4	Positive
PEPC	LADLEAAPAAVAR.light	2+	634.353876	584.351471	y6	10	380	20.7	4	Positive
PEPC	LATPELEYGR.heavy	2+	579.80508	974.482939	b9	10	380	18.8	4	Positive
PEPC	LATPELEYGR.heavy	2+	579.80508	974.481706	y8	10	380	18.8	4	Positive
PEPC	LATPELEYGR.heavy	2+	579.80508	873.434027	y7	10	380	18.8	4	Positive
PEPC	LATPELEYGR.heavy	2+	579.80508	776.381263	y6	10	380	18.8	4	Positive
PEPC	LATPELEYGR.heavy	2+	579.80508	286.176132	b3	10	380	18.8	4	Positive
PEPC	LATPELEYGR.light	2+	574.800945	964.482939	b9	10	380	18.8	4	Positive
PEPC	LATPELEYGR.light	2+	574.800945	964.473437	y8	10	380	18.8	4	Positive
PEPC	LATPELEYGR.light	2+	574.800945	863.425758	y7	10	380	18.8	4	Positive
PEPC	LATPELEYGR.light	2+	574.800945	766.372994	y6	10	380	18.8	4	Positive
PEPC	LATPELEYGR.light	2+	574.800945	286.176132	b3	10	380	18.8	4	Positive
PEPC	MASIDAQLR.heavy	2+	507.767443	812.450012	y7	10	380	16.6	4	Positive
PEPC	MASIDAQLR.heavy	2+	507.767443	725.417983	y6	10	380	16.6	4	Positive
PEPC	MASIDAQLR.heavy	2+	507.767443	612.333919	y5	10	380	16.6	4	Positive
PEPC	MASIDAQLR.light	2+	502.763309	802.441743	y7	10	380	16.6	4	Positive
PEPC	MASIDAQLR.light	2+	502.763309	715.409714	y6	10	380	16.6	4	Positive
PEPC	MASIDAQLR.light	2+	502.763309	602.32565	y5	10	380	16.6	4	Positive

