

Supplementary material

Table S1. Low-molecular-weight phenolic compounds in Syrah grape skins from rootstocks 5C and Gravesac

Phenolic compounds		5C	GRAVESAC
Phenolic acids (mg/kg)	Gallic acid	7.68 ± 0.17 a	6.81 ± 0.11 b
	Syringic acid	5.12 ± 0.35	5.39 ± 0.19
	Caffeic acid	6.52 ± 0.22	6.60 ± 0.34
	<i>Cis</i> -ferulic acid	0.17 ± 0.09	0.49 ± 0.05
Flavanols (mg/kg)	Procyanidin 1	2.80 ± 0.17	2.91 ± 0.24
	Methyl gallate	5.50 ± 0.19 a	4.75 ± 0.19 b
	(+)-Catechin	13.98 ± 0.96 a	7.75 ± 1.34 b
	Procyanidin 4	6.15 ± 0.17 b	7.60 ± 0.42 a
	Procyanidin gallate	45.71 ± 4.44 b	66.25 ± 3.34 a
	Procyanidin B1 gallate	5.02 ± 0.49 b	8.22 ± 0.30 a
	Epicatechin gallate	10.61 ± 1.35	8.65 ± 0.82
Flavonols (mg/kg)	Astilbine derivative	ND	2.96 ± 0.49
	Rutine	6.59 ± 0.83 b	12.88 ± 1.53 a
	Astilbine	9.82 ± 2.03	11.36 ± 0.89
	Quercetin-3-O-galactoside	32.49 ± 2.57	38.34 ± 2.49
	Quercetin-3-O-glucoside	64.22 ± 32.55 b	216.80 ± 14.12 a
	Kaempferol-3-O-glucoside	9.85 ± 0.59 b	14.16 ± 0.90 a
	Kaempferol-3-O-galactoside	2.34 ± 0.07 b	14.97 ± 1.48 a
	Kaempferol	2.10 ± 0.19	1.91 ± 0.23
	Isoramnetin-3-O-glucoside	41.57 ± 3.67	49.43 ± 5.80
Stilbenes (mg/kg)	Myricetin	35.96 ± 2.61	29.36 ± 2.41
	<i>Trans</i> -resveratrol	8.93 ± 0.74 b	16.20 ± 0.39 a

Values are expressed as mean ± standard error (n=5). Different lowercase letters indicate significant differences between rootstocks according to ANOVA ($p < 0.05$).

Table S2. Low-molecular-weight phenolic compounds in Syrah grape seeds from rootstocks 5C and Gravesac

Phenolic compounds		5C	GRAVESAC
Phenolic acids (mg/kg)	Gallic acid	29.54 ± 1.12	30.10 ± 2.36
	Protocatechuic acid	0.94 ± 0.22	1.99 ± 0.25
Flavanols (mg/kg)	Procyanidin B3	14.35 ± 1.67	13.61 ± 1.51
	(+)-Catechin	274.21 ± 33.85	304.86 ± 37.97
	Trimer procyanidin	11.44 ± 1.39	9.82 ± 0.48
	Procyanidin B4	27.14 ± 2.13	23.77 ± 2.74
	Procyanidin B2	72.26 ± 6.72	89.37 ± 14.05
	(-)-Epicatechin	480.69 ± 125.99	534.87 ± 54.82
	Dimer gallate 2	17.21 ± 2.44	13.21 ± 1.67
	Trimer C1	11.40 ± 1.25	ND
	Procyanidin 2	312.55 ± 34.21	411.74 ± 63.05
	Procyanidin 3	25.24 ± 5.66	26.06 ± 0.34
	Trimer gallate	59.04 ± 10.44	43.81 ± 7.89
	Procyanidin 4	20.97 ± 2.62	16.06 ± 2.47
	Procyanidin B5	8.89 ± 0.84	9.17 ± 1.19
	Procyanidin 5	12.61 ± 1.83	11.66 ± 2.12
	Procyanidin 6	33.88 ± 3.04	30.89 ± 5.77

Values are expressed as mean ± standard error (n=5). Different lowercase letters indicate significant differences between rootstocks according to ANOVA ($p < 0.05$)

Table S3. Low-molecular-weight phenolic compounds in Syrah wines of grapes from rootstocks 5C and Gravesac

Phenolic compounds		5C	GRAVESAC
Phenolic acids (mg/kg)	Gallic acid	20.46 ± 0.94 a	14.91 ± 0.95 b
	Protocatechuic acid	0.35 ± 0.01 a	0.24 ± 0.02 b
	Caftaric acid	1.62 ± 0.05 b	2.73 ± 0.20 a
	<i>Cis</i> -coutaric acid	1.00 ± 0.04	1.08 ± 0.07
	<i>Trans</i> -coutaric acid	0.80 ± 0.03 a	0.52 ± 0.05 b
	Vanillic acid	0.94 ± 0.00	0.94 ± 0.00
	Syringic acid	1.63 ± 0.06 a	1.04 ± 0.04 b
	Caffeic acid	2.42 ± 0.10	2.23 ± 0.07
	<i>Cis</i> -ferulic acid	0.66 ± 0.03	0.56 ± 0.04
Flavanols (mg/kg)	Procyanidin 1	0.25 ± 0.01 a	0.20 ± 0.01 b
	Methyl gallate	2.71 ± 0.09 a	2.25 ± 0.13 b
	Procyanidin 2	7.91 ± 1.66	8.50 ± 0.34
	(+)-Catechin	4.88 ± 0.18 a	3.89 ± 0.22 b
	Procyanidin 4	5.71 ± 0.15 a	0.38 ± 0.03 b
	Procyanidin gallate	12.56 ± 0.57 a	9.59 ± 0.27 b
	(-)-Epicatechin	10.46 ± 0.30 a	8.50 ± 0.44 b
	Procyanidin B1 gallate	2.44 ± 0.05 a	1.47 ± 0.19 b
	Epicatechin gallate	0.60 ± 0.02	0.39 ± 0.13
Flavonols (mg/kg)	Astilbine derivative	0.66 ± 0.02 a	0.53 ± 0.03 b
	Astilbine derivative	0.90 ± 0.03	0.82 ± 0.03
	Rutine	0.27 ± 0.02	0.28 ± 0.03
	Astilbine	1.75 ± 0.05	1.63 ± 0.08
	Myricetin-3-O-galactoside	0.26 ± 0.01	ND
	Quercetin-3-O-galactoside	1.53 ± 0.05	1.46 ± 0.08
	Quercetin-3-O-glucuronide	1.45 ± 0.06 b	1.89 ± 0.13 a
	Quercetin-3-O-glucoside	4.34 ± 0.15	5.10 ± 0.28
	Kaempferol-3-O-glucoside	0.65 ± 0.02	0.53 ± 0.06
	Kaempferol-3-O-galactoside	0.07 ± 0.01	0.08 ± 0.01
	Kaempferol	0.19 ± 0.00 a	0.12 ± 0.01 b
	Isorhamnetin-3-O-glucoside	0.64 ± 0.01 b	0.94 ± 0.94 a
	Myricetin	10.06 ± 0.34	9.52 ± 0.33
Stilbenes (mg/kg)	<i>Trans</i> -resveratrol	1.48 ± 0.04	1.42 ± 0.09

Values are expressed as mean ± standard error (n=4). Different lowercase letters indicate significant differences between rootstocks according to ANOVA ($p < 0.05$).

Table S4. Anthocyanins in Syrah wines from rootstocks 5C and Gravesac

Compounds	5C	GRAVESAC
Delphinidin-3-glucoside	27.89 ± 0.54	29.14 ± 0.72
Cyanidin-3-glucoside	9.47 ± 0.88	8.24 ± 0.57
Petunidin-3-glucoside	42.33 ± 0.23 b	45.57 ± 0.34 a
Peonidin-3-glucoside	39.93 ± 0.99 b	44.26 ± 0.92 a
Malvidin-3-glucoside	290.53 ± 6.06 a	263.74 ± 2.63 b
Delphinidin-3-acetylglucoside	3.61 ± 0.09 b	3.95 ± 0.08 a
Petunidin-3-acetylglucoside	6.24 ± 0.56	7.80 ± 0.62
Peonidin-3-acetylglucoside	6.69 ± 0.11 b	7.45 ± 0.12 a
Malvidin-3-acetylglucoside	39.65 ± 0.94	37.11 ± 0.44
Cyanidin-3- <i>p</i> -coumarylglucoside	0.81 ± 0.05 b	0.97 ± 0.02 a
Petunidin-3- <i>p</i> -coumarylglucoside	3.01 ± 0.11 b	3.63 ± 0.05 a
Peonidin-3- <i>p</i> -coumarylglucoside	6.07 ± 0.20 b	7.83 ± 0.10 a
Malvidin-3- <i>p</i> -coumarylglucoside	21.73 ± 0.69	21.35 ± 0.24

Values are expressed as mean ± standard error (n=4). Different lowercase letters indicate significant differences between rootstocks according to ANOVA ($p < 0.05$).