

Table S6 Effect of different leaf canopy thickness on non-anthocyanins monomeric phenolic compounds in ‘Merlot’ wine (mg·L⁻¹)

NO.	Name of the compounds	2023				2024			
		M40	M60	M80	M100	M40	M60	M80	M100
1	Protocatechuic acid	11.46±	9.80±	12.04±	8.17±	6.88±	6.32±	6.46±	5.42±
		0.21ab	0.24ab	1.82a	0.12b	0.94	0.21	0.43	0.10
2	Caffeic acid	27.34±	34.40±	30.31±	24.34±	32.99±	34.10±	37.61±	30.78±
		1.21bc	1.54a	1.09ab	0.94c	2.65ab	0.76ab	1.64a	0.21b
3	<i>p</i> -Coumaric acid	10.53±	11.02±	11.84±	10.19±	9.94±	11.70±	12.40±	11.10±
		0.04c	0.07b	0.15a	0.09c	0.44b	0.00ab	1.03a	0.11ab
4	<i>trans</i> -Ferulic acid	4.67±	8.06±	6.29±	4.79±	11.20±	12.33±	12.71±	9.81±
		0.20c	0.35a	0.27b	0.21c	1.88	0.29	1.48	0.25
5	Gallic acid	3.61±	4.72±	4.26±	3.96±	4.79±	5.30±	4.25±	3.93±
		0.15b	0.23a	0.10ab	0.20b	0.10b	0.11a	0.06c	0.17c
	Phenolic acids kinds	5	5	5	5	5	5	5	5
	Phenolic acids subtotal	57.61±1.80b	68.01±2.44a	64.74±3.42ab	51.45±1.56c	65.80±6.00b	69.76±0.94a	73.43±4.51c	61.04±0.83c
	Phenolic acids proportio (%)	c							
		66.34	67.65	66.04	63.48	71.48	70.80	72.80	71.47
6	Catechin	3.99±	4.52±	4.94±	3.12±	0.95±	0.96±	1.21±	0.65±
		0.05b	0.09a	0.20a	0.14c	0.52	0.00	0.22	0.02
7	Epicatechin	1.37±	2.55±	2.45±	2.15±	1.65±	2.89±	1.66±	1.87±
		0.12c	0.09a	0.09ab	0.09b	0.20b	0.13a	0.20b	0.10b
	Flavanols kinds	2	2	2	2	2	2	2	2

Table S6 (continued)

NO.	Name of the compounds	2023				2024			
		M40	M60	M80	M100	M40	M60	M80	M100
	Flavanols subtotal	5.36±	7.08±	7.39±	5.27±	2.60±	3.85±	2.86±	2.51±
		0.17b	0.18a	0.29a	0.24b	0.72	0.12	0.02	0.13
	Flavanols proportion (%)	6.18	7.04	7.54	6.51	2.83	3.91	2.84	2.94
8	Rutin	11.33±	13.44±	13.41±	10.38±	11.41±	11.90±	11.48±	9.63±
		0.39b	0.41a	0.44a	0.37b	1.44	0.13	0.92	0.23
9	Phlorizin	2.56±	2.56±	2.61±	2.56±	2.59±	2.61±	2.65±	2.54±
		0.02a	0.01a	0.02a	0.01a	0.01ab	0.02ab	0.03a	0.02b
10	Quercetin	6.31±	5.73±	5.82±	7.47±	6.09±	6.82±	6.83±	6.27±
		0.46	0.50	0.86	0.60	0.73	0.78	1.21	0.69
11	Kaempferol	1.91±	1.96±	2.29±	2.20±	1.89±	1.92±	1.95±	1.75±
		0.01b	0.08b	0.01a	0.04a	0.02ab	0.06a	0.04a	0.00b
	Flavonoids kinds	4	4	4	4	4	4	4	4
	Flavonoids subtotal	22.11±	23.69±	24.13±	22.61±	21.99±	23.26±	22.90±	20.19±
		0.88	1.00	1.33	1.02	2.20	0.99	0.30	0.94
	Flavonoids proportion (%)	25.46	23.56	24.61	27.90	23.89	23.60	22.71	23.64
12	Resveratrol	1.76±	1.77±	1.77±	1.72±	1.66±	1.66±	1.66±	1.66±
		0.01ab	0.01a	0.01a	0.01b	0.00	0.00	0.00	0.00
	Stilbenes kinds	1	1	1	1	1	1	1	1

Table S6 (continued)

NO.	Name of the compounds	2023				2024			
		M40	M60	M80	M100	M40	M60	M80	M100
	Stilbenes subtotal	1.76±	1.77±	1.77±	1.72±	1.66±	1.66±	1.66±	1.66±
		0.01ab	0.01a	0.01a	0.01b	0.00	0.00	0.00	0.00
	Stilbenes proportion (%)	2.02	1.76	1.80	2.12	1.80	1.69	1.64	1.94
	Total kinds	12	12	12	12	12	12	12	12
	Total	86.85±	100.54±	98.03±	81.06±	92.06±	98.53±	100.86±	85.41±
		2.86a	3.63a	5.05a	2.82b	8.93	2.05	4.24	1.89

a, b, c, and d indicate significant differences at $P < 0.05$.