Supplementary data for article:

Pantelić, M. M.; Zagorac, D. Č. D.; Ćirić, I. Ž.; Pergal, M. V.; Relić, D. J.; Todić, S. R.; Natić, M. M. Phenolic Profiles, Antioxidant Activity and Minerals in Leaves of Different Grapevine Varieties Grown in Serbia. *Journal of Food Composition and Analysis* **2017**, *62*, 76–83. https://doi.org/10.1016/j.jfca.2017.05.002

Table S1

List of quantified phenolics in grapevine leaf samples in negative ionization mode with mean expected retention time (t_R, min), mass of parent ion (*m/z*), masses of product ions (*m/z*) with specified collision energy (*eV*), correlation coefficient, limit of detection (LOD) and quantification (LOQ), and recovery at two concentration levels, as determined using UHPLC-DAD MS/MS analysis.

t_R, min	Phenolic compound	Parent Ion, *m/z*	Product Ion, *m/z* (Collision Energy, *eV*)	R^2	LOD, *mg/L*	LOQ, *mg/L*	Recovery (%)	
							Level 1	Level 2
1.98	**Gallic acid**	169.032	79.11(31); 125.04(16)	0.9911	0.16	0.55	29.21	36.99
3.87	**Gallocatechin**	305.120	125.22(27); 179.19(17)	0.9996	0.03	0.10	91.73	105.84
3.98	**Protocatechuic acid**	153.013	108.09(23); 109.10(14)	0.9980	0.10	0.34	102.83	67.59
4.89	**Aesculin**	339.080	133.09(44); 177.06(25)	0.9999	0.01	0.05	90.18	74.76
5.07	**Epigallocatechin**	305.110	125.22(27); 179.19(17)	0.9999	0.01	0.02	96.03	112.28
5.08	***p*-Hydroxybenzoic acid**	137.057	93.19(19); 108.33(22)	0.9934	0.14	0.48	99.55	101.07
5.18	**Gentisic acid**	153.003	108.07(5); 109.10(15)	0.9998	0.02	0.06	51.49	58.66
5.23	**Chlorogenic acid**	353.103	191.28(25)	0.9980	0.08	0.27	115.57	109.31
5.25	**Catechin**	289.094	203.00(23); 245.03(31)	0.9953	0.14	0.45	111.28	104.88
5.51	**Caffeic acid**	179.004	134.00(13); 135.00(16)	0.9951	0.11	0.38	111.37	110.56
5.82	**Gallocatechin gallate**	457.146	161.08(25); 359.23(16)	0.9930	0.07	0.22	84.53	66.80
5.75	**Epicatechin**	289.084	203.00(23); 245.03(31)	0.9991	0.06	0.19	84.26	88.94
6.04	**Rutin**	609.197	299.98(42); 301.20(32)	0.9976	0.09	0.31	87.85	75.27
6.07	**Ellagic acid**	300.980	284.00(32); 300.04(30)	0.9938	0.11	0.37	60.10	58.61
6.15	***p*-Coumaric acid**	163.031	93.12(39); 119.09(16)	0.9947	0.12	0.41	110.67	116.87
6.55	**Ferulic acid**	193.057	134.00(18); 178.00(15)	0.9933	0.15	0.50	101.12	95.11
6.81	**Epigallocatechin gallate**	457.156	161.08(25); 359.23(16)	0.9928	0.15	0.51	70.29	73.37
7.45	***trans*-Resveratrol**	227.060	143.18 (22); 185.04 (22)	0.9902	0.14	0.47	80.96	126.62
7.58	**Quercetin**	301.026	151.01(22); 179.00(20)	0.9978	0.08	0.27	110.98	97.91
8.19	**Kaempferol**	285.074	211.00(32); 227.00(32)	0.9961	0.04	0.13	95.26	85.53

Table S2. Correlation coefficients among polyphenols (1-20), total phenolic contents (21) and radical scavenging activity (22) in leaves from Belgrade vineyard area[a]

1	**2**	***3***	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**
1	**0.79**	**0.79**	0.42	0.47	-0.12	0.68	0.59	0.87	0.26	0.60	0.56	-0.45	0.06	0.08	0.30	-0.60	-0.52	0.44	-0.26	-0.01	-0.17
	2	0.55	0.57	0.17	-0.41	**0.82**	0.62	**0.82**	0.32	**0.70**	0.53	-0.40	-0.16	-0.03	0.34	-0.54	-0.24	0.55	-0.28	-0.12	-0.29
		3	0.42	0.52	-0.14	0.44	0.14	0.64	-0.09	0.32	0.49	**-0.79**	0.07	-0.29	0.48	-0.46	-0.41	0.28	-0.33	-0.37	-0.41
			4	-0.22	-0.43	0.64	0.32	0.68	0.25	0.54	0.33	-0.27	-0.10	-0.04	0.46	-0.25	-0.05	0.35	-0.15	-0.10	-0.27
				5	0.07	0.10	-0.02	0.31	0.13	0.19	0.54	-0.24	0.07	-0.12	0.14	-0.01	-0.37	0.41	-0.22	-0.13	-0.17
					6	-0.41	-0.24	-0.35	0.11	-0.08	-0.02	0.30	-0.20	0.31	-0.28	0.31	-0.27	-0.11	0.16	0.30	0.35
						7	0.63	0.85	0.55	0.87	0.61	-0.28	0.03	0.06	0.44	-0.23	0.11	0.71	-0.05	0.06	-0.19
							8	0.67	0.54	0.62	0.40	0.08	0.02	0.47	-0.13	-0.36	-0.32	0.44	-0.04	0.21	0.06
								9	0.51	0.75	0.62	-0.32	0.12	0.03	0.37	-0.35	-0.31	0.61	-0.23	0.07	-0.13
									10	**0.80**	0.67	0.27	0.11	0.51	0.06	0.24	0.00	0.74	0.11	0.59	0.39
										11	**0.83**	-0.09	-0.12	0.34	0.36	-0.11	-0.02	0.88	0.04	0.26	-0.02
											12	-0.31	-0.17	0.20	0.35	-0.07	-0.21	**0.91***	-0.17	0.02	-0.18
												13	-0.10	0.36	-0.44	0.44	0.12	-0.08	0.43	0.55	0.51
													14	0.13	0.15	-0.04	0.28	-0.23	0.28	0.51	0.56
														15	-0.40	-0.21	-0.11	0.08	0.49	0.64	0.60
															16	-0.10	0.31	0.45	-0.29	-0.09	-0.32
																17	0.34	0.12	0.06	0.08	0.10
																	18	0.00	0.45	0.19	0.15
																		19	-0.18	0.07	-0.21
																			20	0.58	0.66
																				21	**0.93***
																					22

[a]*p* values: p<0.01, **p<0.001**, p<0.0001, ***p<0.00001**.

Table S3. Correlation coefficients among polyphenols (1-20), total phenolic contents (21) and radical scavenging activity (22) in leaves from Mlava vineyard area[a]

1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**
1	0.80	0.48	0.65	0.43	-0.58	0.71	0.30	-0.01	0.30	0.56	-0.22	-0.39	0.47	-0.17	0.22	-0.52	-0.65	-0.29	0.15	0.42	0.63
	2	0.40	0.62	0.04	-0.38	0.75	0.54	0.22	0.39	**0.90**	0.19	-0.54	0.30	0.17	0.31	-0.54	-0.84	0.12	0.26	0.71	0.83
		3	-0.08	-0.31	0.36	0.08	-0.33	-0.28	-0.37	0.31	0.20	-0.45	-0.20	0.32	0.02	-0.58	-0.57	0.45	-0.61	0.53	0.55
			4	0.55	-0.75	0.82	0.79	-0.26	0.41	0.36	-0.14	-0.13	0.80	-0.31	0.51	-0.31	-0.41	-0.24	0.27	0.47	0.61
				5	-0.75	0.32	0.12	-0.03	0.05	-0.25	-0.73	0.54	0.68	-0.39	0.36	0.16	0.34	-0.84	0.22	-0.34	-0.16
					6	-0.77	-0.63	-0.16	-0.44	-0.09	0.64	0.05	-0.53	0.68	-0.42	0.25	0.15	0.78	-0.69	0.16	-0.06
						7	0.81	0.07	0.32	0.46	-0.28	-0.49	0.33	-0.41	0.62	-0.71	-0.66	-0.25	0.50	0.38	0.54
							8	0.00	0.56	0.42	0.05	-0.39	0.40	-0.37	0.44	-0.37	-0.49	-0.05	0.59	0.41	0.47
								9	0.21	0.34	-0.16	-0.03	-0.39	0.16	0.01	0.07	-0.01	-0.29	0.66	-0.34	-0.30
									10	0.55	0.27	-0.38	0.42	-0.27	-0.42	0.16	-0.37	-0.16	0.65	0.19	0.29
										11	0.52	-0.57	0.17	0.39	-0.04	-0.28	-0.80	0.34	0.25	0.72	0.78
											12	-0.31	-0.04	0.62	-0.45	0.19	-0.35	**0.88**	-0.32	0.68	0.52
												13	0.29	0.22	0.13	0.72	**0.89**	-0.34	-0.24	-0.48	-0.53
													14	-0.12	0.12	0.25	0.00	-0.29	0.02	0.31	0.41
														15	-0.07	0.28	-0.01	0.63	-0.50	0.43	0.28
															16	-0.51	-0.09	-0.17	0.08	0.13	0.16
																17	0.74	-0.11	-0.07	-0.37	-0.46
																	18	-0.37	-0.14	-0.75	-0.83
																		19	-0.54	0.69	0.49
																			20	-0.31	-0.18
																				21	0.97
																					22

[a]*p* values: p<0.05, **p<0.01**, p<0.0005.

Table S4. Content of microelements and macroelements in the leaves from Belgrade and Mlava vineyard areas.

	Radmilovac														*Petrovac na Mlavi*						
	CSa	***Mer***	***CFr***	***San***	***Shi***	***PNo***	***Pro***	***Gam***	***Rie***	***Pet***	***SBl***	***Wel***	***PGr***	***Cha***	***PBl***	***Vra***	***MHa***	***Plo***	***Žup***	***Cmu***	***Bbe***	***Sme***
K(23)*	3.14^{i}	2.76^{l}	3.72^{g}	2.59^{m}	2.64^{m}	3.99^{f}	3.04^{j}	3.84^{g}	4.79^{e}	3.09^{i}	3.09^{i}	2.30^{n}	3.37^{h}	2.62^{m}	2.85^{k}	6.14^{b}	6.77^{a}	5.18^{d}	4.70^{e}	5.81^{c}	5.25^{d}	5.62^{c}
Ca(24)	37.7^{g}	44.1^{b}	24.0^{m}	36.3^{h}	35.8^{h}	39.7^{e}	38.9^{f}	40.7^{e}	46.3^{a}	42.9^{c}	40.2^{e}	37.0^{g}	41.2^{d}	37.8^{g}	44.6^{b}	29.8^{k}	31.0^{j}	34.0^{i}	29.2^{l}	28.9^{l}	37.7^{g}	22.7^{n}
Na(25)	13.9	19.2^{f}	11.9^{m}	13.8^{l}	20.2^{e}	16.8^{i}	19.8^{e}	20.0^{e}	28.6^{b}	16.5^{j}	17.0^{i}	16.9^{i}	18.8^{g}	15.7^{k}	17.8^{h}	22.5^{d}	18.8^{g}	18.4^{h}	45.5^{a}	16.8^{i}	16.7^{i}	24.1^{c}
B(26)	22.7^{h}	26.6^{c}	18.9^{l}	22.1^{i}	19.5^{k}	24.8^{f}	23.6^{g}	37.9^{b}	20.8^{j}	41.3^{a}	24.7^{f}	25.1^{e}	16.1^{n}	25.4^{d}	22.0^{i}	15.3^{o}	11.9^{q}	9.36^{s}	15.4^{o}	12.9^{p}	18.1^{m}	10.1^{r}
Mg(27)	5.05^{b}	4.00^{f}	3.81^{g}	4.41^{d}	4.16^{e}	4.19^{e}	4.97^{b}	5.21^{a}	4.01^{f}	4.97^{b}	4.97^{b}	4.75^{c}	4.99^{b}	4.42^{d}	4.98^{b}	3.21^{k}	3.40^{j}	2.87^{l}	2.83^{l}	3.67^{h}	3.24^{k}	3.55^{i}
S(28)	3.42^{a}	2.82^{d}	2.45^{gh}	2.24^{i}	2.54^{f}	2.66^{e}	2.85^{d}	2.83^{d}	3.50^{a}	2.95^{c}	3.32^{b}	3.20^{b}	2.57^{f}	2.47^{fg}	2.69^{e}	2.40^{h}	2.48^{fg}	2.67^{e}	1.74^{j}	2.28^{i}	3.00^{c}	1.79^{j}
P(29)	0.167^{e}	0.296^{b}	0.248^{c}	0.151^{f}	0.163^{f}	0.196^{d}	0.139^{g}	0.185^{d}	0.206^{d}	0.209^{d}	0.278^{bc}	0.198^{d}	0.143^{g}	0.211^{d}	0.333^{a}	0.158^{f}	0.142^{g}	0.136^{g}	0.132^{g}	0.145^{f}	0.165^{e}	0.117^{g}
Al(30)	0.129^{d}	0.112^{f}	0.064^{j}	0.120^{e}	0.150^{c}	0.136^{d}	0.108^{f}	0.155^{c}	0.121^{e}	0.0981^{f}	0.122^{e}	0.192^{b}	0.205^{a}	0.145^{c}	0.131^{d}	0.139^{d}	0.0923^{g}	0.0891^{g}	0.104^{f}	0.0843^{h}	0.132^{d}	0.0654^{i}
Cu(31)	0.0735^{e}	0.143^{c}	-	0.0336^{i}	0.0459^{g}	0.0534^{g}	0.172^{b}	0.0822^{d}	0.00912^{j}	0.141^{c}	0.0824^{d}	0.177^{a}	0.0519^{g}	0.0384^{h}	0.0634^{f}	0.00591^{j}	-	-	-	-	0.0101^{j}	-
Fe(32)	0.195^{c}	0.164^{f}	0.116^{i}	0.162^{f}	0.183^{d}	0.178^{d}	0.144^{g}	0.213^{b}	0.181^{d}	0.156^{f}	0.172^{e}	0.192^{c}	0.262^{a}	0.187^{c}	0.146^{f}	0.174^{e}	0.142^{g}	0.111^{i}	0.127^{h}	0.119^{i}	0.208^{b}	0.089^{j}
Mn(33)	0.0849^{h}	0.121^{f}	0.0739^{i}	0.0546^{j}	0.0608^{j}	0.0879^{h}	0.0932^{h}	0.0876^{h}	0.135^{d}	0.101^{h}	0.126^{e}	0.109^{g}	0.0687^{i}	0.113^{g}	0.123^{f}	0.171^{b}	0.164^{c}	0.116^{f}	0.121^{f}	0.143^{d}	0.146^{d}	0.218^{a}
Zn(34)	0.0232^{c}	0.0101^{d}	0.00991^{d}	0.0162^{c}	0.0226^{c}	0.0137^{d}	0.0333^{b}	0.0234^{c}	0.0182^{c}	0.0228^{c}	0.0181^{c}	0.0354^{a}	0.0201^{c}	0.0156^{c}	0.0142^{d}	0.0223^{c}	0.0204^{c}	0.0184^{c}	0.0173^{c}	0.0183^{c}	0.0195^{c}	0.0258^{b}
As(35)	0.201^{c}	0.149^{e}	0.197^{c}	0.0562^{k}	0.0911^{i}	0.0893^{i}	0.0993^{i}	0.187^{c}	0.0721^{j}	0.121^{g}	0.0582^{k}	0.106^{h}	0.127^{f}	0.202^{c}	0.142^{f}	0.279^{b}	0.162^{d}	0.0591^{k}	0.136^{f}	0.111^{h}	0.460^{a}	0.137^{f}
Cd(36)	29.4^{a}	20.5^{h}	14.5^{n}	9.40^{o}	16.1^{l}	24.5^{e}	20.6^{h}	25.0^{d}	28.5^{b}	16.0^{l}	22.0^{f}	28.0^{b}	19.8^{i}	17.3^{j}	19.9^{i}	25.5^{c}	25.7^{c}	15.2^{m}	16.9^{k}	21.6^{fg}	21.3^{g}	25.3^{cd}
Co(37)	0.111^{a}	0.0394^{g}	0.0255^{h}	0.0540^{f}	0.0453^{f}	0.0871^{b}	0.0572^{e}	0.0754^{c}	0.0655^{d}	0.0663^{d}	0.0911^{b}	0.0715^{d}	0.0939^{b}	0.0915^{b}	0.0535^{f}	0.0554^{e}	0.0414^{g}	0.0692^{d}	0.0409^{g}	0.0517^{f}	0.0509^{f}	0.0828^{c}
Cr(38)	0.453^{c}	0.396^{e}	0.266^{i}	0.382^{f}	0.454^{c}	0.474^{bc}	0.379^{f}	0.512^{b}	0.415^{d}	0.338^{g}	0.445^{c}	0.520^{b}	0.604^{a}	0.494^{b}	0.413^{d}	0.345^{g}	0.292^{h}	0.244^{k}	0.268^{i}	0.252^{j}	0.349^{g}	0.217^{l}
Li(39)	0.324^{j}	0.319^{i}	0.342^{i}	0.226^{m}	0.327^{j}	0.295^{k}	0.265^{l}	0.439^{fg}	0.425^{g}	0.463^{f}	0.459^{f}	0.502^{e}	0.439^{fg}	0.339^{i}	0.372^{h}	0.674^{d}	1.29^{c}	0.459^{f}	2.39^{a}	1.26^{c}	0.513^{e}	1.53^{b}
Mo(40)	4.02^{n}	41.3^{f}	24.6^{k}	-	-	27.7^{i}	16.8^{l}	-	26.9^{j}	58.3^{c}	43.5^{e}	24.2^{k}	31.4^{h}	9.93^{m}	36.8^{g}	16.7^{l}	24.6^{k}	57.5^{c}	79.5^{a}	52.0^{d}	-	61.8^{b}
Ni(41)	2.18^{d}	1.40^{h}	0.854^{l}	0.783^{m}	1.01^{k}	1.34^{i}	0.867^{l}	1.27^{j}	5.57^{a}	1.96^{e}	0.719^{n}	0.913^{l}	1.51^{fg}	1.47^{gh}	0.689^{n}	2.16^{d}	4.76^{b}	1.56^{f}	2.79^{c}	4.43^{b}	2.23^{d}	1.42^{h}
Pb(42)	0.913^{l}	1.07^{j}	1.18^{h}	1.23^{g}	1.34^{f}	2.10^{b}	1.14^{hi}	2.23^{a}	0.932^{l}	0.822^{m}	0.843^{m}	1.04^{k}	1.76^{c}	1.79^{c}	1.69^{d}	0.821^{m}	1.10^{i}	1.20^{gh}	1.16^{h}	1.41^{e}	1.17^{h}	0.463^{n}
Sb(43)	0.244^{a}	0.155^{e}	0.168^{d}	0.0595^{i}	0.986^{h}	0.0941^{h}	0.121^{g}	0.171^{d}	0.152^{f}	0.117^{g}	0.124^{g}	0.219^{b}	0.145^{f}	0.187^{c}	0.145^{f}	0.0982^{h}	0.0644^{i}	0.0864^{h}	0.117^{g}	0.171^{d}	0.152^{f}	0.0933^{h}
Se(44)	0.326^{d}	0.283^{g}	0.288^{f}	0.153^{n}	0.202^{k}	0.186^{k}	0.165^{m}	0.194^{k}	0.372^{b}	0.354^{c}	0.314^{e}	0.265	0.472^{a}	0.203^{k}	0.226^{j}	0.196^{k}	0.338^{d}	0.184^{l}	0.219^{j}	0.364^{c}	0.325^{d}	0.245^{i}
V(45)	0.316^{c}	0.292^{d}	0.162^{j}	0.286^{d}	0.332^{c}	0.294^{d}	0.269^{f}	0.381^{b}	0.284^{e}	0.233^{h}	0.315^{c}	0.362^{b}	0.479^{a}	0.471^{a}	0.254^{g}	0.279^{e}	0.203^{i}	0.185^{i}	0.216^{h}	0.194^{i}	0.301^{d}	0.129^{k}

*Result for K is expressed as g/kg; Results for the elements 24-33 are expressed as mg/kg; Results for the elements 34-45 are expressed µg/kg. Numbers in parentheses are the numbers of the corresponding value in PCA loading plot (Figure 1B). '-'stands for not found. [a]Different letters in the same row denote a significant difference among varieties according to Tukey's test, $p < 0.05$.

Shi ('Shiraz'); PNo ('Pinot Noir'); Pro ('Prokupac'); Gam ('Gamay'); Rie ('Riesling'); Pet ('Petra'); SBl ('Sauvignon Blanc'); Wel ('Welschriesling'); PGr ('Pinot Gris'); Cha ('Chardonnay'); PBl ('Pinot Blank'); Vra ('Vranac'); MHa ('Muscat Hamburg'); Plo ('Plovdina'); Žup ('Župljanka'); Cmu ('Chasselas musque'); Bbe ('Beogradska besemena'); Sme ('Smederevka').

Table S5. Correlation coefficients among elements (23-45) in leaves from Belgrade vineyard area[a]

23	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**
23	0.15	0.50	0.00	-0.21	0.29	-0.05	-0.21	-0.46	0.08	0.16	-0.27	-0.02	0.38	0.08	-0.07	0.13	0.08	0.68	0.18	-0.03	0.30	-0.20
	24	0.65	0.30	0.33	0.42	0.19	0.29	0.27	0.33	0.58	0.09	-0.29	0.39	0.30	0.35	0.27	0.38	0.44	0.04	-0.09	0.23	0.25
		25	-0.02	-0.09	0.42	-0.05	0.21	0.01	0.26	0.41	0.20	-0.37	0.43	-0.04	0.23	0.27	0.08	**0.70**	0.00	-0.09	0.21	0.15
			26	0.39	0.17	0.08	-0.15	0.46	-0.06	0.22	0.14	0.17	0.06	0.09	-0.11	0.33	0.24	-0.02	0.05	0.02	-0.13	-0.08
				27	0.27	-0.16	0.38	0.44	0.37	0.05	0.54	0.09	0.25	0.56	0.41	0.37	0.04	-0.25	0.10	0.21	0.11	0.32
					28	0.12	0.04	0.32	0.12	0.67	0.38	-0.12	**0.81**	0.41	0.10	0.52	0.27	0.55	-0.52	0.49	0.42	-0.06
						29	-0.34	0.00	-0.44	0.65	-0.53	0.14	0.01	-0.30	-0.31	0.20	0.58	-0.11	-0.10	0.11	0.05	-0.36
							30	0.13	0.87	-0.10	0.45	-0.08	0.34	0.51	**0.96****	0.39	-0.22	-0.06	0.42	0.21	0.19	0.84
								31	-0.06	0.26	0.57	-0.07	0.25	0.01	0.06	0.24	0.32	-0.28	-0.29	0.19	-0.07	-0.01
									32	-0.16	0.25	0.04	0.37	0.68	**0.92***	0.39	-0.20	0.18	0.39	0.23	0.43	0.86
										33	-0.05	-0.03	0.49	0.12	-0.02	0.42	0.56	0.38	-0.23	0.31	0.19	-0.05
											34	-0.20	0.39	0.23	0.34	0.29	-0.22	-0.06	-0.18	0.24	-0.07	0.26
												35	0.09	0.08	0.00	0.01	-0.19	-0.11	0.28	0.70	0.05	0.14
													36	0.52	0.44	0.43	0.02	0.46	-0.01	0.59	0.27	0.20
														37	0.65	0.26	-0.08	0.16	0.18	0.35	0.29	0.60
															38	0.36	-0.22	0.00	0.50	0.25	0.20	**0.90***
																39	0.46	0.22	-0.12	0.39	0.59	0.24
																	40	0.08	-0.33	-0.10	0.52	-0.30
																		41	-0.24	0.17	0.46	-0.01
																			42	-0.10	-0.33	0.46
																				43	0.31	0.25
																					44	0.15
																						45

[a]*p* values: p<0.01, **p<0.001**, p<0.0001, ***p<0.00001, **p<0.000001** .

Table S6. Correlation coefficients among elements (23-45) in leaves from Mlava vineyard area[a]

23	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**
23	-0.16	-0.54	-0.20	0.61	0.19	0.21	-0.05	0.36	0.09	0.48	0.41	0.01	0.80	-0.13	0.21	-0.24	-0.49	0.55	-0.16	-0.38	0.41	-0.02
	24	-0.32	0.48	-0.42	**0.88**	0.74	0.61	0.50	0.72	-0.66	-0.61	0.53	-0.40	-0.44	0.63	-0.60	-0.58	0.03	0.62	0.21	0.14	0.72
		25	0.19	-0.54	-0.72	-0.44	0.01	-0.48	-0.22	-0.20	-0.20	-0.22	-0.34	-0.26	-0.17	0.82	0.62	-0.13	-0.10	-0.08	-0.43	-0.09
			26	-0.13	0.28	0.72	0.78	0.50	**0.88**	-0.21	-0.27	0.83	0.06	-0.62	0.82	-0.02	-0.52	0.08	0.24	0.52	0.22	0.87
				27	-0.05	0.02	-0.35	0.02	-0.11	0.66	0.48	0.05	0.73	0.19	-0.13	-0.05	-0.24	0.42	-0.18	0.28	0.70	-0.25
					28	0.80	0.50	0.67	0.68	-0.32	-0.27	0.55	-0.06	-0.18	0.60	-0.87	-0.79	0.03	0.42	0.13	0.26	0.61
						29	0.79	0.82	**0.88**	-0.27	-0.27	0.75	0.14	-0.49	0.83	-0.63	-0.85	0.18	0.41	0.38	0.29	**0.87**
							30	**0.93**	**0.88**	-0.27	-0.19	0.78	0.04	-0.48	0.95	-0.39	-0.67	-0.13	0.16	0.20	-0.14	0.96
								31	0.87	-0.02	0.06	**0.89**	0.31	-0.20	**0.90**	-0.73	-0.82	-0.05	0.07	0.10	-0.03	**0.87**
									32	-0.17	-0.17	**0.92**	0.17	-0.53	0.96	-0.46	-0.86	0.05	0.22	0.27	0.21	0.96
										33	0.84	0.12	0.80	0.52	-0.12	0.05	-0.16	-0.17	**-0.86**	-0.26	0.09	-0.32
											34	0.10	0.37	0.65	-0.11	-0.08	-0.15	-0.38	-0.83	-0.38	-0.16	-0.30
												35	0.30	-0.26	0.85	-0.40	-0.82	-0.15	-0.05	0.32	0.24	0.82
													36	0.06	0.26	-0.06	-0.50	0.25	-0.55	-0.20	0.36	0.03
														37	-0.55	-0.25	0.26	-0.70	-0.64	-0.19	-0.40	-0.57
															38	-0.43	-0.85	0.07	0.15	0.14	0.11	0.95
																39	0.69	0.26	-0.09	0.00	0.02	-0.42
																	40	-0.11	-0.03	-0.06	-0.35	-0.74
																		41	0.56	0.16	0.75	0.02
																			42	0.49	0.41	0.31
																				43	0.47	0.31
																					44	0.07
																						45

[a]*p* values: p<0.05, **p<0.01**, p<0.001.