

**Comparison of phenolic profiles and antioxidant activities in skins and pulps of eleven grape cultivars (*Vitis vinifera* L.)**

**Appendix A** Soluble solid contents (SSC), titratable acidity (TA), SSC : TA ratio of different grape varieties

Sample number	Varieties	SSC %	TA %	SSC : TA
S1	Gold Finger	16.80±0.84 <sup>c</sup>	0.375±0.005 <sup>f</sup>	45
S2	Hakuho	17.00±0.00 <sup>de</sup>	0.458±0.008 <sup>cd</sup>	37
S3	White Olympia	14.35±0.96 <sup>g</sup>	0.514±0.009 <sup>b</sup>	28
S4	Shine Muscat	12.83±0.25 <sup>h</sup>	0.393±0.001 <sup>f</sup>	33
S5	Kyoho	18.93±0.05 <sup>b</sup>	0.469±0.025 <sup>c</sup>	40
S6	Muscat Kyoho	20.18±0.16 <sup>a</sup>	0.375±0.010 <sup>f</sup>	54
S7	Beni Fuji	17.78±0.04 <sup>cde</sup>	0.444±0.009 <sup>de</sup>	40
S8	Red Bharati	17.33±0.92 <sup>de</sup>	0.301±0.004 <sup>g</sup>	58
S9	Summer Black	18.13±0.82 <sup>cd</sup>	0.428±0.015 <sup>e</sup>	42
S10	Hutai-8	18.37±0.05 <sup>bc</sup>	0.380±0.007 <sup>f</sup>	48
S11	Moldova	15.74±0.05 <sup>f</sup>	0.553±0.007 <sup>a</sup>	28

**Appendix B** Linear correlations between phenolic composition and antioxidant capacity and among the different methods for quantifying antioxidant capacity.

	Pulp				Skins			
	Free		Bound		Free		Bound	
	DPPH	ORAC	DPPH	ORAC	DPPH	ORAC	DPPH	ORAC
Phenolic contents	-0.649*	0.542	-0.219	0.851**	-0.604*	0.684*	0.190	0.699*
DPPH	1	-0.487	1	-0.104	1	-0.604*	1	0.218
ORAC	-0.487	1	-0.104	1	-0.604*	1	0.218	1
Gallic acid	-0.226	-0.148	-0.159	0.580	-0.089	-0.186	-0.017	0.394
Caftaric acid	-0.161	0.360	0.013	0.277	-0.021	-0.086	-0.085	-0.032
3,4-dihydroxybenzoic acid	0.006	0.511	-0.356	0.636*	0.279	-0.281	-0.217	-0.194
Vanillic acid	-0.561	0.150	-0.039	0.089	-0.582	0.585	0.111	0.163
Caffeic acid	0.561	0.264	-0.379	0.330	0.227	0.300	-0.040	0.387
Syringic acid	-0.711*	0.172	-0.123	0.113	-0.429	0.854**	0.113	0.742**
p-coumaric acid	-0.158	0.618*	-0.287	0.377	-0.018	0.236	0.330	0.706*
(+)-catechin	-0.511	0.011	-0.380	0.803**	-0.608*	0.696*	0.266	0.449
(-)-epicatechin	-0.594	0.885**	-0.005	0.782**	-0.594	0.759**	-0.411	-0.099
Rutin	0.176	0.112	nd	nd	-0.516	0.700*	-0.007	0.260
Isoquercitrin	-0.223	0.225	nd	nd	-0.480	0.459	-0.336	-0.052
Kaempferol	-0.249	0.047	0.245	0.496	-0.629*	0.602*	0.204	0.557
Resveratrol	0.227	-0.072	nd	nd	0.088	0.122	0.151	0.342

nd, means “no detected”. Phenolic contents were determined by HPLC-DAD.

\*\* Correlation is significant at the 0.01 level.

\* Correlation is significant at the 0.05 level.