

Assessment of Anti-Oxidative Compounds in Selected Plant Rootstocks

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Below are showed tables of results from post-hoc Dunnett's test and correlation analysis. All statistics was done in STATISTICA

CZ Version 12.0 (StatSoft CR s.r.o., Prague, Czech Republic).

Table S1. Probabilities for post-hoc Dunnett's tests (2-sided). Highlighted values are not significant ($p>0.05$), that means they are not statistically different from control sample.

	caffeic acid	catechin	chlorogenic acid	cryptochlorogenic acid	dihydrokaempferol	epicatechin	epigallocatechin	eriodictyol	gallic acid	homoeriodictyol	hyperoside (Q-3-galactoside)	isoquercitrin (Q-3-glucoside)	isovitexin	naringenin chalcone	p-coumaric acid	pentahydroxychalcone	p-hydroxybenzaldehyde	p-hydroxybenzoic acid	procyanidin a2	procyanidin b1	procyanidin b2	procyanidin c1	protocatechuic acid	quercetin	quercitrin (Q-3-rhamnoside)	rutin (Q-3-rutinoside)	salicylic acid	syringic acid	vanillin	vanillic acid	vitexin	vitexin-2-O-rhamnoside	3,4-dihydroxybenzaldehyde
Control	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Ba 29 (O-LE-14)	**	**	**	**	**	**	**	**	**	*	**	**	**	**	**	**	**	**	**	**	**	**	**	0.322	**	**	**	**	**	**	**	**	**
Ba 29 (O-LE-21)	**	**	**	**	1.000	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Crataegus l. (O-LE-14)	**	**	**	**	0.216	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Crataegus l. (O-LE-21)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	*	**	**	**	**	**	**	**	**	**	**
Aronia m. (O-LE-14)	**	**	**	**	0.819	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Aronia m. (O-LE-21)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Chaenomeles j. (O-LE-9)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

** $p<<0.001$; * $p<0.05$; (x) not applicable

Table S2. Correlation matrix. Correlation was calculated for all variables among all samples (N=8). Highlighted correlations are significant (p<0.05).

	vanillin	vanillic acid	syringic acid	salicylic acid	protocatechuic acid	p-hydroxybenzoic acid	p-hydroxybenzaldehyde	p-coumaric acid	gallic acid	caffeic acid	3,4-dihydroxybenzaldehyde	
vanillin	1.000	0.918	0.968	-0.190	-0.477	-0.491	-0.414	0.018	-0.025	-0.332	-0.300	3,4-dihydroxybenzaldehyde
vanillic acid	0.918	1.000	0.979	-0.424	-0.466	-0.175	-0.084	0.051	-0.140	-0.109	-0.345	caffeic acid
syringic acid	0.968	0.979	1.000	-0.361	-0.508	-0.334	-0.241	0.026	-0.124	-0.204	-0.383	gallic acid
salicylic acid	-0.190	-0.424	-0.361	1.000	0.391	-0.451	-0.539	-0.500	-0.106	-0.643	0.852	p-coumaric acid
protocatechuic acid	-0.477	-0.466	-0.508	0.391	1.000	0.501	0.446	0.385	0.288	0.392	0.526	p-hydroxybenzaldehyde
p-hydroxybenzoic acid	-0.491	-0.175	-0.334	-0.451	0.501	1.000	0.992	0.517	0.233	0.863	-0.033	p-hydroxybenzoic acid
p-hydroxybenzaldehyde	-0.414	-0.084	-0.241	-0.539	0.446	0.992	1.000	0.542	0.191	0.878	-0.122	protocatechuic acid
p-coumaric acid	0.018	0.051	0.026	-0.500	0.385	0.517	0.542	1.000	0.723	0.819	-0.488	salicylic acid
gallic acid	-0.025	-0.140	-0.124	-0.106	0.288	0.233	0.191	0.723	1.000	0.466	-0.163	syringic acid
caffeic acid	-0.332	-0.109	-0.204	-0.643	0.392	0.863	0.878	0.819	0.466	1.000	-0.428	vanillic acid
3,4-dihydroxybenzaldehyde	-0.300	-0.345	-0.383	0.852	0.526	-0.033	-0.122	-0.488	-0.163	-0.428	1.000	vanillin
	-0.332	-0.109	-0.204	-0.643	0.392	0.863	0.878	0.819	0.466	1.000	-0.428	chlorogenic acid
	-0.025	-0.140	-0.124	-0.106	0.288	0.233	0.191	0.723	1.000	0.466	-0.163	cryptochlorogenic acid
	0.018	0.051	0.026	-0.500	0.385	0.517	0.542	1.000	0.723	0.819	-0.488	catechin
	-0.414	-0.084	-0.241	-0.539	0.446	0.992	1.000	0.542	0.191	0.878	-0.122	epicatechin
	-0.491	-0.175	-0.334	-0.451	0.501	1.000	0.992	0.517	0.233	0.863	-0.033	epigallocatechin
	-0.477	-0.466	-0.508	0.391	1.000	0.501	0.446	0.385	0.288	0.392	0.526	procyanidin a2
	-0.190	-0.424	-0.361	1.000	0.391	-0.451	-0.539	-0.500	-0.106	-0.643	0.852	procyanidin b1
	0.968	0.979	1.000	-0.361	-0.508	-0.334	-0.241	0.026	-0.124	-0.204	-0.383	procyanidin b2
	0.918	1.000	0.979	-0.424	-0.466	-0.175	-0.084	0.051	-0.140	-0.109	-0.345	procyanidin c1
	1.000	0.918	0.968	-0.190	-0.477	-0.491	-0.414	0.018	-0.025	-0.332	-0.300	dihydrokaempferol
	-0.464	-0.528	-0.543	0.861	0.638	0.020	-0.076	-0.414	-0.098	-0.322	0.964	eriodictyol
	-0.424	-0.503	-0.516	0.883	0.688	0.001	-0.093	-0.353	-0.098	-0.308	0.954	homoeiodictyol
	-0.370	-0.436	-0.453	0.859	0.409	-0.113	-0.206	-0.607	-0.199	-0.509	0.972	hyperoside (Q-3-galactoside)
	-0.304	-0.359	-0.373	0.852	0.411	-0.129	-0.225	-0.555	-0.213	-0.435	0.903	isoquercitrin (Q-3-glucoside)
	-0.004	-0.010	0.001	0.637	0.119	-0.259	-0.302	-0.737	-0.474	-0.557	0.713	isovitexin
	0.549	0.587	0.645	-0.196	-0.100	-0.169	-0.088	-0.044	-0.322	-0.051	-0.233	naringenin chalcone
	-0.062	-0.131	-0.135	0.846	0.345	-0.232	-0.304	-0.621	-0.265	-0.584	0.936	pentahydroxychalcone
	0.143	0.176	0.149	0.471	0.558	0.106	0.080	-0.141	-0.067	-0.116	0.657	quercetin
	0.458	0.471	0.461	0.434	0.144	-0.255	-0.244	-0.409	-0.472	-0.445	0.506	quercitrin (Q-3-rhamnoside)
	0.233	-0.128	0.042	0.478	0.038	-0.631	-0.666	0.019	0.470	-0.382	0.086	rutin (Q-3-rutinoside)
	0.185	0.037	0.041	-0.030	0.269	0.054	0.046	0.692	0.705	0.249	-0.128	vitexin
	-0.239	-0.418	-0.369	0.915	0.394	-0.361	-0.450	-0.448	-0.158	-0.494	0.755	vitexin-2-O-rhamnoside
	0.038	0.098	0.142	-0.043	0.308	0.097	0.154	-0.019	-0.351	0.097	-0.002	
	0.076	0.130	0.173	0.032	0.316	0.066	0.113	-0.075	-0.336	0.043	0.082	
	0.865	0.833	0.886	-0.060	-0.482	-0.499	-0.437	-0.297	-0.269	-0.440	-0.125	
	-0.376	-0.497	-0.472	0.721	0.369	-0.089	-0.191	-0.388	0.207	-0.329	0.764	
	0.185	0.037	0.041	-0.030	0.269	0.054	0.046	0.692	0.705	0.249	-0.128	
	-0.239	-0.418	-0.369	0.915	0.394	-0.361	-0.450	-0.448	-0.158	-0.494	0.755	
	-0.480	-0.289	-0.347	-0.255	0.473	0.710	0.683	0.390	0.298	0.732	-0.054	
	-0.304	-0.162	-0.188	-0.329	0.413	0.578	0.573	0.531	0.293	0.756	-0.263	
	0.849	0.810	0.867	-0.016	-0.438	-0.511	-0.449	-0.312	-0.298	-0.457	-0.090	
	0.441	0.436	0.515	-0.145	-0.145	-0.284	-0.188	-0.177	-0.513	-0.219	-0.218	

chlorogenic acid	0.964	-0.322	-0.098	-0.414	-0.076	0.020	0.638	0.861	-0.543	-0.528	-0.464	1.000	0.986	0.957	0.906	0.695	-0.213	0.887	0.642	0.395	0.172	-0.172	0.789	0.115	0.189	-0.247	0.826	-0.172	0.789	0.117	-0.090	-0.204	-0.196
cryptochlorogenic acid	0.954	-0.308	-0.098	-0.353	-0.093	0.001	0.688	0.883	-0.516	-0.503	-0.424	0.986	1.000	0.918	0.906	0.663	-0.194	0.873	0.657	0.451	0.177	-0.100	0.840	0.111	0.184	-0.241	0.750	-0.100	0.840	0.090	-0.064	-0.193	-0.194
catechin	0.972	-0.509	-0.199	-0.607	-0.206	-0.113	0.409	0.859	-0.453	-0.436	-0.370	0.957	0.918	1.000	0.889	0.738	-0.271	0.921	0.552	0.395	0.144	-0.239	0.736	0.069	0.184	-0.151	0.841	-0.239	0.736	-0.072	-0.318	-0.118	0.206
epicatechin	0.903	-0.435	-0.213	-0.555	-0.225	-0.129	0.411	0.852	-0.373	-0.359	-0.304	0.901	0.906	0.889	1.000	0.828	-0.111	0.922	0.644	0.568	0.159	-0.327	0.908	0.104	0.159	-0.006	0.741	-0.327	0.908	0.092	-0.040	0.029	-0.245
epigallocatechin	0.713	-0.557	-0.474	-0.737	-0.302	-0.259	0.119	0.637	0.001	-0.010	-0.004	0.695	0.663	0.738	0.828	1.000	0.361	0.889	0.738	0.744	0.142	-0.672	0.676	0.355	0.472	0.420	0.629	-0.672	0.676	0.086	-0.052	0.456	0.239
procyanidin a2	-0.233	-0.051	-0.322	-0.044	-0.088	-0.169	-0.100	-0.196	0.645	0.587	0.549	-0.213	-0.194	-0.271	-0.111	0.361	1.000	0.049	0.474	0.575	0.116	-0.431	-0.094	0.794	0.827	0.762	-0.225	-0.431	-0.094	0.191	0.323	0.789	0.853
procyanidin b1	0.936	-0.584	-0.265	-0.621	-0.304	-0.232	0.345	0.846	-0.135	-0.131	-0.062	0.887	0.873	0.921	0.922	0.889	0.049	1.000	0.765	0.698	0.213	-0.305	0.783	0.241	0.204	0.756	-0.305	-0.305	0.783	0.078	-0.248	0.240	-0.010
procyanidin b2	0.657	-0.116	-0.067	-0.141	0.080	0.106	0.558	0.471	0.149	0.176	0.143	0.642	0.657	0.552	0.644	0.474	0.049	1.000	0.765	0.797	0.141	-0.206	0.489	0.606	0.379	0.495	-0.206	0.489	0.303	0.216	0.419	0.251	
procyanidin c1	0.506	-0.445	-0.472	-0.409	-0.244	-0.255	0.144	0.434	0.461	0.471	0.395	0.451	0.395	0.568	0.744	0.575	0.698	0.797	1.000	0.001	-0.308	0.506	0.371	0.469	0.663	0.126	-0.308	0.506	-0.135	-0.084	0.700	0.407	
dihydrokaempferol	0.086	-0.382	0.470	0.019	-0.666	-0.631	0.038	0.478	0.042	-0.128	0.233	0.172	0.177	0.144	0.159	0.116	0.213	0.141	0.001	1.000	0.245	0.378	0.023	0.075	0.221	0.468	0.245	0.378	0.075	-0.130	-0.067	0.235	0.060
eriodictyol	-0.128	0.249	0.705	0.692	0.046	0.054	0.269	-0.030	0.041	0.037	0.185	-0.172	-0.100	-0.239	-0.327	-0.431	-0.305	-0.206	-0.308	0.245	1.000	0.245	-0.166	-0.500	-0.292	-0.183	1.000	-0.166	-0.166	-0.272	-0.162	-0.309	0.396
homoeriodictyol	0.755	-0.494	-0.158	-0.448	-0.450	-0.361	0.394	0.915	-0.369	-0.418	-0.239	0.789	0.840	0.736	0.908	0.676	-0.094	0.489	0.489	0.371	0.023	-0.166	0.065	-0.026	0.275	-0.006	-0.166	0.065	-0.026	0.370	0.325	-0.196	0.396
hyperoside (Q-3-galactoside)	-0.002	0.097	-0.351	-0.019	0.154	0.097	0.308	-0.043	0.142	0.098	0.038	0.115	0.111	-0.011	-0.008	0.355	0.676	0.783	0.498	0.371	0.023	-0.460	0.987	1.000	0.275	-0.006	-0.460	-0.166	-0.166	0.370	0.381	0.325	0.842
isoquercitrin (Q-3-glucoside)	0.082	0.043	-0.336	-0.075	0.113	0.066	0.316	0.032	0.173	0.130	0.076	0.189	0.184	0.069	0.104	0.472	0.676	0.783	0.606	0.469	0.075	-0.500	1.000	0.356	0.088	-0.500	-0.500	0.065	0.065	0.396	0.396	0.407	0.814
isovitexin	-0.125	-0.440	-0.269	-0.297	-0.437	-0.499	-0.482	-0.060	0.886	0.833	0.865	-0.247	-0.241	-0.151	-0.006	0.420	0.629	0.762	0.379	0.663	0.221	-0.292	-0.025	0.275	0.356	-0.136	-0.292	-0.025	0.065	-0.241	-0.133	0.997	0.568
naringenin chalcone	0.764	-0.329	0.207	-0.388	-0.191	-0.089	0.369	0.721	-0.472	-0.497	-0.376	0.826	0.750	0.841	0.741	0.629	-0.225	0.756	0.495	0.126	0.468	-0.183	0.600	0.088	-0.136	-0.183	0.600	-0.006	0.088	0.200	-0.069	-0.119	-0.276

pentahydroxychalcone					
quercetin					
quercitrin (Q-3-rhamnoside)					
rutin (Q-3-rutinoside)					
vitexin					
vitexin-2-O-rhamnoside					
	-0.218	-0.090	-0.263	-0.054	0.755
	-0.219	-0.457	0.756	0.732	-0.494
	-0.513	-0.298	0.293	0.298	-0.158
	-0.177	-0.312	0.531	0.390	-0.448
	-0.188	-0.449	0.573	0.683	-0.450
	-0.284	-0.511	0.578	0.710	-0.361
	-0.145	-0.438	0.413	0.473	0.394
	-0.145	-0.016	-0.329	-0.255	0.915
	0.515	0.867	-0.188	-0.347	-0.369
	0.436	0.810	-0.162	-0.289	-0.418
	0.441	0.849	-0.304	-0.480	-0.239
	-0.196	-0.204	-0.090	0.117	0.789
	-0.194	-0.193	-0.064	0.090	0.840
	-0.206	-0.118	-0.318	-0.072	0.736
	-0.245	0.029	-0.040	0.092	0.908
	0.239	0.456	-0.052	0.086	0.676
	0.853	0.789	0.323	0.191	-0.094
	-0.010	0.240	-0.248	-0.078	0.783
	0.251	0.419	0.216	0.303	0.489
	0.407	0.700	-0.084	-0.135	0.506
	0.060	0.235	-0.067	-0.130	0.378
	-0.396	-0.309	-0.162	-0.272	-0.166
	-0.196	0.020	-0.037	-0.042	1.000
	0.842	0.325	0.381	0.370	-0.026
	0.814	0.407	0.396	0.396	0.065
	0.568	0.997	-0.133	-0.241	-0.025
	-0.276	-0.119	-0.069	0.200	0.600
	-0.396	-0.309	-0.162	-0.272	-0.166
	-0.196	0.020	-0.037	-0.042	1.000
	-0.107	-0.236	0.922	1.000	-0.042
	-0.016	-0.124	1.000	0.922	-0.037
	0.605	1.000	-0.124	-0.236	0.020
	1.000	0.605	-0.016	-0.107	-0.196
					-0.396