

Table S14. Correlations among the levels of heavy metals and other elements in root samples

		Correlations														
		Cd	Cr	Cu	Ni	Pb	Zn	Al	Fe	K	Na	Mg	Mn	P	S	Ti
Cd	r	1	0.156	-0.550	.692**	-0.307	-0.494	-0.437	-0.237	-.636*	-.665*	-.658*	-.553*	-.646*	-0.491	0.418
	p		0.611	0.052	0.009	0.307	0.086	0.136	0.436	0.019	0.013	0.015	0.050	0.017	0.089	0.155
Cr	r		1	-0.219	.685**	-0.046	-0.507	-0.547	-0.088	-0.071	-.557*	-.569*	-0.255	-0.188	-0.529	0.312
	p			0.473	0.010	0.881	0.077	0.053	0.775	0.817	0.048	0.042	0.400	0.538	0.063	0.299
Cu	r			1	-0.418	0.361	.603*	-0.142	-0.225	.617*	0.352	0.402	.808**	.682*	0.297	-.661*
	p				0.155	0.225	0.029	0.644	0.460	0.025	0.238	0.173	0.001	0.010	0.325	0.014
Ni	r				1	-0.430	-.743**	-.580*	-0.306	-0.408	-.644*	-.660*	-0.460	-0.374	-.662*	0.453
	p					0.142	0.004	0.038	0.310	0.167	0.018	0.014	0.113	0.208	0.014	0.120
Pb	r					1	0.526	-0.170	-0.450	0.546	0.226	0.375	0.113	0.286	0.258	-0.148
	p						0.065	0.578	0.123	0.053	0.457	0.206	0.713	0.344	0.395	0.630
Zn	r						1	0.009	0.032	0.545	0.320	0.342	0.409	0.443	.608*	-.773**
	p							0.976	0.917	0.054	0.287	0.252	0.165	0.130	0.027	0.002
Al	r							1	0.532	-0.116	.612*	.599*	0.008	-0.027	0.208	0.188
	p								0.061	0.705	0.026	0.031	0.980	0.930	0.496	0.538
Fe	r								1	-0.466	-0.084	-0.117	0.071	-0.310	0.026	-0.092
	p									0.109	0.786	0.703	0.819	0.303	0.932	0.766
K	r									1	.555*	0.498	0.340	.806**	0.407	-0.430
	p										0.049	0.084	0.255	0.001	0.167	0.142
Na	r										1	.945**	0.370	.694**	0.429	-0.275
	p											0.000	0.213	0.009	0.144	0.363
Mg	r											1	0.376	.647*	0.378	-0.224
	p												0.206	0.017	0.203	0.462
Mn	r												1	.608*	0.435	-.659*
	p													0.028	0.137	0.014
P	r													1	0.286	-.594*
	p														0.343	0.032
S	r														1	-0.517
	p															0.071
Ti	r															1
	p															

** Correlation is significant at the 0.01 level (2-tailed).

* Correlation is significant at the 0.05 level (2-tailed).

p shows the statistical significancy of the correlations among the studied parameters