

Table S3. Variance analysis of seed mineral contents among four *X. sorbifolium* provenances (mg/kg; dry weight).

	Source of variation	Sum of Squares	df	Mean Square	F	Sig.
N	Between Groups	0.172	3	0.057	1.175	0.360
	Within Groups	0.587	12	0.049		
	Total	0.759	15			
P	Between Groups	0.010	3	0.003	1.437	0.281
	Within Groups	0.028	12	0.002		
	Total	0.038	15			
K	Between Groups	0.000	3	0.000	0.370	0.776
	Within Groups	0.001	12	0.000		
	Total	0.002	15			
Ca	Between Groups	0.001	3	0.000	2.104	0.153
	Within Groups	0.002	12	0.000		
	Total	0.003	15			
Mg	Between Groups	0.000	3	0.000	4.487	0.025
	Within Groups	0.000	12	0.000		
	Total	0.000	15			
Cu	Between Groups	10.939	3	3.646	3.782	0.040
	Within Groups	11.569	12	0.964		
	Total	22.508	15			
Zn	Between Groups	32.180	3	10.727	2.994	0.073
	Within Groups	42.987	12	3.582		
	Total	75.168	15			
Fe	Between Groups	604.056	3	201.352	1.805	0.200
	Within Groups	1338.775	12	111.565		
	Total	1942.831	15			
Mn	Between Groups	1.033	3	0.344	0.624	0.613
	Within Groups	6.621	12	0.552		
	Total	7.654	15			

Sig.<0.05 indicates significant differences; Sig.<0.01 indicates very significant differences.