

Table S2. Variance analysis in concentrations (%) of seed crude protein, soluble sugar and oil among four *X. sorbifolium* provenances.

	Source of variation	Sum of Squares	df	Mean Square	F	Sig.
SCPC (%)	Between Groups	20.496	3	6.832	0.889	0.469
	Within Groups	115.273	15	7.685		
	Total	135.769	18			
SSSC (%)	Between Groups	532.461	3	177.487	3.019	0.063
	Within Groups	881.794	15	58.786		
	Total	1414.254	18			
SOC (%)	Between Groups	56.766	3	18.922	11.662	0.000
	Within Groups	51.920	32	1.623		
	Total	108.687	35			

SCPC-seed crude protein concentration; SSSC-seed soluble sugar concentration; SOC-seed oil concentration. Sig.< 0.05 indicates significant differences; Sig.< 0.01 indicates very significant differences.