

**Table S1.** Variance analysis of seed morphological parameters among four *X. sorbifolium* provenances.

	Source of variation	Sum of Squares	df	Mean Square	F	Sig.
SL (mm)	Between Groups	3.891	3	1.297	19.561	0.000
	Within Groups	1.061	16	0.066		
	Total	4.951	19			
SW (mm)	Between Groups	2.843	3	0.948	22.672	0.000
	Within Groups	0.669	16	0.042		
	Total	3.511	19			
SDW (g)	Between Groups	0.034	3	0.011	9.358	0.001
	Within Groups	0.020	16	0.001		
	Total	0.054	19			
1000 SDW (g)	Between Groups	106756.700	3	35585.580	97.261	0.000
	Within Groups	5854.042	16	365.878		
	Total	112610.800	19			

SL-seed length; SW-seed width; SDW-seed dry weight; 1000 SW-1000-seed weight. Sig.<0.01 indicates very significant differences.