

**Supplementary Material****Tab. S1** – Results of the analysis of variance for the traits considered.

Source of variation	Character	Sum of squares	DF	Mean Square	F	Sign.
Repetition	HT34	415924.000	3	138641.000		
	DBH34	826265.000	3	275422.000		
	VOL34	434050.000	3	144683.000		
	STR34	4358.000	3	1356.000		
	DENS34	0.008	2	0.004		
	LW34	688612.000	2	344306.000		
	SURV34	3729.471	3	1243.157		
Provenance	HT34	92.414	9	10.268	2.65	**
	DBH34	160.697	9	17.855	0.889	
	VOL34	133910.148	9	148798.905	1.932	*
	STR34	7.265	9	0.807	2.108	*
	DENS34	0.038	9	0.004	2.911	*
	LW34	379.585	9	42.176	2.116	
	SURV34	8346.112	9	976.047	2.415	*
Family	HT34	602.270	94	6407.000	1.723	***
	DBH34	3289.103	94	34990.000	1.844	***
	VOL34	1345.870	94	14317.000	2.000	***
	STR34	36.223	94	0.482	1.369	*
	DENS34	0.202	39	0.005	2.302	***
	LW34	1651.731	39	42352.000	2.713	***
	SURV34	48649.778	94	517551.000	1.485	**
Family x Repetition	HT34	1194.780	281	4252.000		
	DBH34	5790.064	281	20606.000		
	VOL34	2434.682	281	8664.000		
	STR34	105400.000	281	0.460		
	DENS34	0.216	78	0.003		
	LW34	3031.387	78	38864.000		
	SURV34	98302.187	281	348589.000		
Error	HT34	3897.327	1048	3719.000		
	DBH34	19884.319	1048	18974.000		
	VOL34	7504.001	1048	7160.000		
	STR34	476459.000	1048	0.352		
	DENS34	0.812	360	0.002		
	LW34	5620.750	360	15613.000		
	SURV34	3620.187	1048	10000,000		