

Table 2 Analysis of variance for combining ability for different physiological traits in parents and hybrids

Source of variation	df	Mean squares								
		Proline content	SPAD chlorophyll meter reading	Chlorophyll stability index	Relative water content	Biomass yield	Dry root weight	Dry shoot weight	Root: Shoot ratio	Root length
Replication	1	0.59	1.23	1.15	0.01	15.15	0.01	2.89	0.001	0.001
Hybrids	89	95.78**	31.41**	339.80**	144.13**	51.48**	1.68**	9.06**	0.007**	0.002**
Lines	5	22.34**	54.21**	877.14**	496.14**	26.66**	15.88**	28.09**	0.04**	0.005**
Testers	14	191.09**	38.85**	285.14**	71.35**	71.35**	0.78**	7.21**	0.005**	0.002**
Line×Tester interaction	70	81.97**	28.29**	312.35**	133.54**	49.28**	0.85**	8.07**	0.004**	0.002**
Error	89	0.620	0.527	0.634	0.530	5.400	0.260	5.840	0.003	0.001

Note: ** Significant at 1% level