

Table 1 Analysis of variance for combining ability for different biometrical traits in parents and hybrids

Source of variation	df	Mean squares									
		Days to 50% flowering	Plant height	Productive tillers per plant	Panicles per plant	Panicle length	Spikelet fertility	Filled grains per panicle	Hundred grain weight	Harvest index	Single plant yield
Replication	1	3.563	0.0393	0.054	0.0001	0.068	4.059	1.605	0.002	0.001	2.01
Hybrids	89	45.840**	60.724**	6.757**	11.692**	2.126**	40.081**	1257.936**	0.336**	0.01**	84.60**
Lines	5	116.875**	112.597**	8.287**	55.170**	4.156**	19.016**	1919.817**	3.216**	0.02**	11.18**
Testers	14	30.490**	51.784**	5.032**	7.494**	1.089**	63.989**	877.262**	0.102**	0.01**	145.82**
Line × Tester interaction	70	43.836**	58.808**	6.992**	9.426**	2.189**	36.804**	1286.794**	0.177**	0.01**	77.40**
Error	89	23.984	2.425	0.115	0.081	1.572	2.370	9.411	0.052	0.010	5.140

Note: ** Significant at 1% level