Table 1 Analysis of variance for combining ability analysis in line ×tester design for grain quality traits

Sources of variation	Mean Sum of Square								
	Replications	Crosses	Lines	Testers	Lines × Testers	Error	gca	sca	gca/sca
Df	2	29	9	2	18	58			
Traits									
Protein	0.043	2.544*	3.728	3.633	1.830*	0.090	0.013	0.580	0.023
Amylose content	0.024	33.121*	89.384*	54.857*	2.574*	0.074	0.571	0.833	0.685
GT	0.178	6.467*	4.667*	56.311*	1.830*	0.097	0.087	0.577	0.150
Gel consistency	3.678	435.608*	469.970*	2833.244*	152.022*	1.092	5.302	50.310	0.105

Note: * Significant at 5% level of significance, GT- Gelatinization temperature