

Table 5 Estimation of general combining ability effects (GCA) of lines and testers for quantitative traits

S. No.		Days to 50% tassels	Days to 50% silk	Plant height (cm)	Ear height (cm)	Ear length (cm)	Ear diameter (cm)	Number of rows/ear	Number of Kernels/row	100 kernel weight (g)	Yield plant (g)	Yield/plot (kg)
1	L ₁	0.548*	0.963**	-8.384**	-15.315**	-1.011**	0.140*	1.684**	-2.051**	-1.795**	-10.332*	-0.101
2	L ₂	0.326	0.074	-14.851**	-3.315*	1.534**	0.124*	1.218**	-0.118	1.794**	20.689**	0.176*
3	L ₃	-0.563*	-0.148	-9.884**	-14.481**	0.450	0.050	-0.516**	0.049	-0.111	6.718	0.028
4	L ₄	2.548**	1.296**	-3.484	4.519**	-0.011	0.098	-0.516**	-0.218	0.389	11.066**	0.071
5	L ₅	-0.674**	-1.259**	-1.151	1.185	1.756**	-0.185**	-2.916**	1.216*	3.911**	-0.169	-0.106
6	L ₆	-2.785**	-2.370**	-16.151**	-15.926**	-0.311	-0.260**	-1.182**	-2.184**	0.689*	-25.267**	-0.452**
7	L ₇	-2.785**	-1.370**	-5.084*	-10.481**	-0.911**	-0.156**	-0.716**	-0.018	-0.328	-17.311**	-0.303**
8	L ₈	-2.007**	-1.481**	2.849	1.352	-0.816*	0.174**	-1.516**	-1.918**	3.666**	8.026*	-0.244**
9	L ₉	0.881**	0.963**	2.682	4.685**	0.573	-0.163**	0.818**	1.982**	-2.528**	-0.883	0.033
10	L ₁₀	0.215	-1.148**	19.349**	5.019**	-0.783*	0.151**	2.951**	-0.318	-2.761**	-2.109	0.302**
11	L ₁₁	2.215**	1.963**	16.349**	15.685**	0.506	0.267**	1.484**	0.082	2.339**	26.058**	0.438**
12	L ₁₂	1.659**	2.407**	14.082**	14.519**	0.539	-0.276**	-0.249	4.382**	-6.028**	-9.236*	0.072
13	L ₁₃	1.770**	1.185**	11.316**	8.185**	0.139	-0.140*	0.218	1.116	-0.411	-2.249	0.169*
14	L ₁₄	-1.007**	-0.926**	-2.651	0.685	-1.327**	0.244**	0.018	-2.284**	1.555**	-2.546	-0.065
15	L ₁₅	-0.341	-0.148	-4.984*	3.685*	-0.327	-0.066	-0.782**	0.282	-0.378	-2.456	-0.019
GCA of testers												
1	T ₁	-0.563**	-0.637**	6.776**	5.196**	-0.325*	-0.085**	-0.449**	0.409	0.117	-7.672**	-0.085**
2	T ₂	0.326**	-0.193	-1.758	-2.215**	0.737**	0.084**	0.071	0.682*	0.452**	10.077**	0.093**
3	T ₃	0.237*	0.830**	-5.018**	-2.981**	-0.412**	0.001	0.378**	-1.091**	-0.569**	-2.406	-0.009

Note: *: Significant at 5% level of significance; **: Significant at 1% level of significance