

Table 1 Analysis of variance for parents and hybrids

Source	D.F.	Mean sum of squares										
		Days to 50% tassel	Days to 50% silk	Plant height (cm)	Ear height (cm)	Ear length (cm)	Ear diameter (cm)	Number of rows/ear	Number of kernel/row	100 kernels weight (g)	Yield/plant (g)	Yield/plot (kg)
Replication	2	1.44	1.84	875.84	252.0	1.004	0.005	0.011	1.83	3.13	36.88	0.034
Treatments	62	26.80**	40.80**	1543.35**	885.64**	15.99**	0.50**	7.559**	110.47**	58.01**	5263.24**	2.32**
Parents	17	36.81**	43.39**	875.05**	541.50**	7.70**	0.48**	7.295**	73.38**	53.01**	1399.78**	0.84**
Parent vs. Crosses	1	575.58**	1414.4**	60235.2**	28427.9**	648.56**	15.87**	41.76**	4818.58**	1418.47**	254303.32**	116.64**
Crosses	44	10.46**	8.58**	467.65**	392.65**	4.82**	0.167**	6.88**	17.80**	29.02**	1095.94**	0.29**
Line	14	25.68**	18.05**	1095.38**	917.60**	7.47**	0.311**	19.19**	28.27*	60.73**	1602.04*	0.47*
Tester	2	10.78*	25.45**	1668.96**	917.91**	18.41**	0.319*	7.85**	41.02*	12.19**	3739.50**	0.357
Line × Tester	28	2.83**	2.65**	67.97	92.65**	2.52**	0.084**	0.65**	10.90**	14.36**	654.07**	0.20**
Error	124	0.41	0.75	45.37	19.96	0.88	0.027	0.323	3.346	0.835	138.70	0.045

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