

Table 1 Mean sum of squares for parents and hybrids in respect of 14 characters in chilli

Sl. No	Characters	Replication	Parents	Parents vs crosses	Crosses	Lines	Testers	Lines vs testers	Error
	d. f.	1	17	1	71	11	5	1	89
1	Days to 50% flowering	0.94	6.45*	61.25**	6.24**	4.39*	10.88*	6.72**	0.804
2	Plant height (cm)	0.17	76.95**	0.80	41.53**	109.63**	19.1**	6.60**	0.51
3	Number of primary branches	0.03	0.25	14.68**	0.27	0.15	0.53	0.03	0.09
4	Number of secondary branches	0.03	2.17**	11.25**	1.87**	1.70*	3.44*	0.93*	0.23
5	Number of fruits/plant	5.01	273.83**	14.82**	271.54**	310.66**	98.29**	746.39**	1.38
6	Fruit length (cm)	0.31	6.78**	15.76**	2.85**	5.56**	10.53**	1.40*	0.31
7	Fruit diameter (cm)	0.04	0.32**	0.95**	0.08	0.36**	0.30*	0.097*	0.02
8	Stalk length (cm)	0.002	0.41**	0.002	0.28**	0.38**	0.51**	0.006	0.02
9	Stalk weight (g)	0.002	0.005	0.002	0.002	0.007*	0.001	0.0001	0.001
10	Fruit weight (g)	0.007	0.25**	7.68**	0.051**	0.21**	0.37**	0.015*	0.003
11	Pericarp weight (g)	0.0008*	0.068**	1.67**	0.023**	0.058**	0.099**	0.019**	0.0001
12	Number of seeds/fruit	62.10	223.68**	165.56**	221.47**	197.69**	281.38**	220.99**	17.00
13	Seed weight (g)	0.0005*	0.029**	0.0008**	0.026**	0.034**	0.015**	0.043**	0.0001
14	Dry Fruit yield/plant (g)	3.53*	172.79**	3297.31**	131.21**	224.56**	91.70**	8.68**	0.20