

Table 2 Variance due to general and specific combining ability in derived F₁ crosses for different quantitative characters

Characters	Variance Due to GCA	Variance Due to SCA	GCA/SCA
1- Seed cotton yield (kg/ha)	4745.8378	1429428.5000	0.0035
2- Plant height (cm)	2.4440	3348.4453	0.0007
3- No. of Monopodia	0.0018	2.1663	0.0010
4- No. of sympodia	0.0488	87.5278	0.0005
5- No. of bolls	1.6200	974.2978	0.0015
6- Mean boll Weight (g)	0.0008	2.8943	0.0003
7- Reproductive Points on Sympodia	0.0125	8.6920	0.0018
8- Length of Sympodia at 50% height (cm)	0.1350	595.2768	0.0000
9-Seed index (g)	0.0810	38.8530	0.0020
10-Ginning outturn (%)	0.1600	136.3290	0.0013
11- Lint index (g)	0.0300	15.5615	0.0018
12- Photosynthetic rate ($\mu\text{molCO}_2\text{m}^{-2}\text{s}^{-1}$)	1.0598	838.8318	0.0013
13- Stomatal conductance ($\mu\text{molm}^{-2}\text{s}^{-1}$)	0.0020	1.1120	0.0018
14- Transpiration rate ($\text{mmol H}_2\text{Om}^{-2}\text{s}^{-1}$)	0.1745	42.3088	0.0035