

Table 2 Top three desirable hybrids with respect to SCA effects for thirteen characters in okra

Characters	Crosses	SCA	Mean	GCA study	
				Female	Male
Days to first flowering	5×13	-1.87**	45.00	Low	Low
	4×5	-1.645**	44.00	Low	Low
	16×22	-1.62**	44.00	Low	Low
Days to 50 per cent flowering	4×5	-2.145	50.50	Low	Low
	2×13	-2.045	49.50	Low	High
	16×22	-1.97	47.50	Low	High
Plant height (cm)	22×37	-19.1*	158.00	Low	Low
	2×4	-14.8	189.50	Low	Low
	2×12	-14.5	202.00	Low	Low
No. of branches per plant	4×18	0.473**	1.70	Low	Low
	4×12	0.433**	1.30	Low	Low
	4×13	0.323*	1.20	Low	High
Inter nodal length (cm)	12×22	-1.66*	11.40	Low	Low
	2×18	-1.16	9.10	Low	Low
	4×6	-1.05	12.00	Low	Low
Fruit length (cm)	2×6	3.28*	24.78	High	High
	5×13	2.93*	23.56	Low	Low
	4×16	2.57	20.78	Low	Low
Fruit diameter (cm)	5×13	-0.01	2.66	High	High
	5×16	-0.03	2.44	High	High
	6×13	-0.01	2.07	Low	Low
No. of seeds per fruit	6×37	44.32**	98.90	Low	High
	18×22	23.53**	68.90	Low	Low
	12×22	14.26**	59.60	Low	Low
Hundred seed weight (g)	5×37	1.725**	9.03	Low	Low
	6×12	1.171**	8.89	High	High
	4×18	1.138**	8.63	High	Low
No. of fruits per plant	4×5	5.3**	39.90	Low	High
	13×18	2.57**	36.50	Low	Low
	12×37	1.97*	36.70	Low	High
Fruit weight (g)	5×18	3.574**	19.70	Low	High
	6×16	3.314**	17.80	Low	High
	4×16	2.244**	18.50	Low	High
Fruit yield per plant (g)	6×16	123.6**	610.72	Low	High
	4×37	93.4**	619.30	Low	High
	a5×18	94.13**	642.44	High	High
Fruit yield per ha (t)	4×37	5.566**	30.23	High	Low
	13×18	5.264**	30.58	Low	Low
	6×16	4.216*	28.02	Low	Low