

Table 2 Gene effects for yield and its components in JG 16 X ICC 96029

Sources of variation	d. f.	Days to 50% flowering	Days to pod initiation	Days to maturity	Plant height (cm)	No. of primary branches	No. of effective pods / plant	No. of seeds / plant	Pod filling percentage	Biological yield (g)	Harvest index (%)	Seed yield / plant (g)
JG 16 X ICC 96029		44.53 **	56.37**	104.99**	48.04**	2.95**	104.62**	127.36**	86.41**	37.04**	50.39**	18.61**
m	SE	±1.08	±0.68	±0.33	±1.13	±0.13	±10.83	±15.4	±1.27	±3.73	±2.30	±1.71
^		-14.00**	-11.22**	-3.17**	-3.00**	-0.28	9.00	6.25	-1.99	-6.83	3.91	-1.78
d	SE	±0.34	±0.51	±1.01	±0.18	±0.16	±8.29	±10.16	±2.51	±3.70	±4.53	±1.7
^		3.33	1.50*	3.17*	-5.62	0.45	87.18**	120.48*	1.73	33.77**	-39.75	-2.57
h	SE	±8.97	±6.8	±1.52	±4.96	±0.27	±43.86	±59.16	±4.31	±9.55	±39.45	±18.7
^		-38.01**	-32.15**	-7.00**	-15.17**	-1.43**	-41.14	-57.6	-8.08	-46.86**	-19.83	-31.43*
i	SE	±6.75	±5.12	±2.78	±4.28	±0.37	±47.36	±67.01	±5.35	±11.92	±29.58	±15.15
^		59.23**	55.54**	5.31	25.85*	3.82**	382.71*	445.96**	17.07	185.64**	46.51	101.92*
l	SE	±19.49	±14.58	±5.52	±13.12	±1.08	±157.76	±225.39	±14.00	±36.93	±82.47	±44.99
Epistatic interaction	C	C	C	C	D	C	C	C	C	C	D	D
Mean degree of dominance		0.24	0.13	1.00	1.87	1.61	9.69	19.28	0.87	4.94	10.17	1.44

Note: *, ** = significant at 5% and 1% levels, respectively

C = complementary gene action

D = duplicate gene action