

Table 4 Gene effects for yield and its components in JG 130 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)
^		45.37**	57.19**	104.48**	50.76**	2.73**	98.19**	141.62**	91.95**	48.7**	55.96**	26.62**
M	SE	±1.56	±1.03	±0.05	±1.34	±0.26	±1.48	±11.85	±2.19	±6.84	±5.16	±1.65
^		-13.17**	-7.25**	-4.08**	-4.72*	-0.38*	-3.30	-13.32	0.04	-15.00**	-0.66	-8.80**
D	SE	±0.82	±0.55	±0.63	±1.98	±0.19	±9.38	±8.20	±0.86	±2.17	±5.28	±1.70
^		-17.44	-19.49	0.70	8.28	0.19	30.19	91.8**	-3.24	42.39**	6.15	24.84**
H	SE	±10.86	±9.97	±2.13	±5.44	±0.73	±29.52	±32.57	±5.23	±15.93	±19.43	±5.78
^		-46.44**	-31.24**	-11.55**	-2.21	-0.82	-7.57	9.89	-4.80	0.42	7.58	1.73
I	SE	±8.49	±7.40	±2.04	±6.52	±0.82	±28.72	±40.24	±6.00	±18.28	±20.13	±6.24
^		49.42*	35.55	4.68	-34.26*	-0.66	-27.01	-110.29	10.71	-86.23	-15.30	-49.67**
L	SE	±25.03	±21.36	±5.04	±15.32	±2.35	±67.59	±123.93	±18.54	±59.03	±52.86	±18.06
Epistatic interaction	D	D	C	D	D	D	D	D	D	D	D	D
Mean degree of dominance		1.32	2.69	0.17	1.75	0.5	9.15	6.89	81.00	2.83	9.32	2.82

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