

Table 6 General combining ability effects of parents for different traits of blackgram in F₁ generation

Traits genotypes	Days to flowering	50% maturity	Days to Plant height (cm)	Number of primary branches/plant	Number of primary clusters/plant	Number of pods/plant	Number of seeds/pod	Pod length (cm)	100 seed weight (gm)	Yield/plant (gm)
B-3-8-8	0.25	0.19	0.36	-0.09**	0.10*	-0.81**	-0.23**	-0.02	0.02	-0.14*
OBG-17	0.29*	0.41*	-0.44*	0.01	0.12**	-0.05	-0.01	0.09	0.02	-0.16*
TU-94-2	-0.36**	-0.72**	-0.93**	-0.00	0.12**	0.23	-0.11	-0.09	0.00	-0.16*
PU-30	-0.39**	0.19	0.03	-0.04**	-0.17**	-0.27	-0.03	-0.19**	-0.07*	-0.13
PU-35	-0.38**	0.42*	-0.06	-0.00	-0.06	-0.08	0.06	-0.00	0.01	-0.03
LBG-17	0.30*	-0.30	0.04	-0.01	-0.11*	-0.10	-0.13*	0.09	0.08*	0.12
OBG-31	-0.06	-0.59**	0.45*	0.06**	0.00	0.73**	0.33**	0.20**	-0.13**	0.25**
KL	0.35*	0.40*	0.55*	0.09**	-0.01	0.35*	0.13*	-0.08	0.07	0.24**
Gi	0.1356	0.1969	0.2118	0.0157	0.0418	0.1488	0.0602	0.0440	0.0336	0.0698
Gi-Gj	0.2050	0.2977	0.3202	0.0238	0.0633	0.2250	0.0910	0.0665	0.0508	0.1056

Note: *Significant at P=0.05, **Significant at P=0.01 respectively. KL=Keonjhar Local