

Table 3. Estimates of specific combining ability effects of crosses for earliness characters and seed yield in sesame

Crosses#	Days to flowering initiation	Days to flowering	50% Days to maturity	Reproductive period	Plant height (cm)	Seed yield/ plant (g)
1×2 AT 158×AT 177	-0.14	0.93*	1.28**	3.08	-2.88	6.55**
1×3 AT 158×AT 192	-0.54	-0.47	-0.12	-4.52*	-0.10	5.10*
1×4 AT 158×G Til 1	-0.18	-0.37	0.61*	-3.39	0.28	3.58
1×5 AT 158×RT 54	-0.68	-0.14	-0.39	1.18	8.65**	-0.10
1×6 AT 158×TKG 22	-0.48	-0.94*	0.41	2.48	-5.65*	-2.98
1×7 AT 158×ABT 33	-0.84	-0.40	0.58*	3.15	-2.57	5.02*
1×8 AT 158×G Til 2	-0.64	-0.54	-3.39**	-7.09**	4.44	3.90
2×3 AT 177×AT 192	-0.78	0.83	-1.36**	-0.32	9.58**	-0.82
2×4 AT 177×G Til 1	-1.74**	-1.07*	2.38**	5.15**	8.90**	1.33
2×5 AT 177×RT 54	-0.58	-1.50**	-0.62*	-1.29	6.06*	0.98
2×6 AT 177×TKG 22	-0.38	0.03	-2.16**	-2.32	15.16**	4.10
2×7 AT 177×ABT 33	-0.08	-0.77	-2.99**	-3.32	9.51**	5.60*
2×8 AT 177×G Til 2	1.12*	1.10*	-0.62*	-1.55	12.25**	-0.02
3×4 AT 192×G Til 1	1.19*	-1.20**	-0.69*	-0.12	-3.46	11.05**
3×5 AT 192×RT 54	0.36	0.76	2.64**	1.78	7.77**	-1.47
3×6 AT 192×TKG 22	0.22	0.63	1.11**	1.08	1.00	-3.35
3×7 AT 192×ABT 33	0.19	0.50	-1.39**	-1.25	8.22**	0.32
3×8 AT 192×G Til 2	-0.94*	-0.97*	-1.36**	0.52	7.76**	-3.63
4×5 G Til 1×RT 54	0.39	0.53	-3.29**	4.25*	7.22*	-0.65
4×6 G Til 1×TKG 22	0.92	1.06*	2.51**	2.55	7.86**	-1.87
4×7 G Til 1×ABT 33	-0.44	-0.40	-2.66**	-1.12	2.40	-5.37*
4×8 G Til 1×G Til 2	1.42**	1.13*	-3.62**	-3.35	-6.39*	-2.82
5×6 RT 54×TKG 22	1.09*	0.96*	0.84**	-0.89	-3.78	0.62
5×7 RT 54×ABT 33	0.06	0.16	2.34**	0.45	3.04	8.95**
5×8 RT 54×G Til 2	1.59**	1.70**	3.04**	0.88	-0.02	3.33
6×7 TKG 22×ABT 33	1.26*	1.70**	0.81*	-0.92	-18.46**	-5.77*
6×8 TKG 22×G Til 2	1.46**	1.56**	2.51**	1.18	0.14	1.12
7×8 ABT 33×G Til 2	0.09	0.10	1.34**	1.52	9.62**	0.12
SE (s _{ij})	0.56	0.45	0.34	1.99	2.81	2.51

*, **, significant at P<0.05 and P<0.01 levels, respectively; figures in light shade are the highest *sca* effects