

Table 3 Specific combining ability (sca) effects of single cross experimental hybrids in respect of 13 characters

Sl. No	Characters	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂	X ₁₃
Experimental hybrids														
1	L1×T1	-0.47	-0.12	-3.72	-12.35**	1.23	-1.71**	-0.13	-0.97	-1.20	-1.62	-0.75	0.27	-0.06
2	L1×T2	0.93	0.08	7.28**	15.55**	1.08	0.57	0.10	0.70	-0.62	-0.12	3.27	-2.10	-0.87
3	L1×T3	-0.47	0.03	-3.57	-3.20	-2.32	1.15**	0.03	0.27	1.82	1.73	-2.52	1.83	0.93
4	L2×T1	1.20	1.05	-7.55**	-6.52**	1.90	0.15	0.03	0.10	2.21	3.55	10.74**	2.12	-1.03
5	L2×T2	-0.40	-0.25	5.95**	2.38	-2.25	0.03	0.02	0.02	-3.35	1.55	-9.08**	-0.01	-0.26
6	L2×T3	-0.80	-0.80	1.60	4.13	0.35	-0.18	-0.05	-0.11	1.14	-5.10*	-1.65	-2.11	1.29
7	L3×T1	-0.47	-0.95	17.28**	12.48**	-0.10	0.12	0.25	-0.74	-2.54	0.22	-2.99	11.09**	1.19
8	L3×T2	-1.57	-0.25	-13.72**	-7.62**	2.25	-0.81*	0.02	0.78	5.20**	-1.28	1.22	-19.00**	-0.21
9	L3×T3	2.03	1.20	-3.57	-4.87**	-2.15	0.70	-0.26	-0.04	-2.66	1.07	1.77	7.91**	-0.99
10	L4×T1	0.70	0.22	6.12**	2.48	0.23	0.19	-0.10	-0.56	2.68	2.88	7.49**	-0.97	2.17*
11	L4×T2	-0.90	-0.58	2.62	2.38	-1.42	0.29	0.08	-0.39	-0.24	-0.62	-5.73**	4.42	-0.57
12	L4×T3	0.20	0.37	-8.73**	-4.87**	1.18	-0.47	0.02	0.94	-2.45	-2.27	-1.76	-3.46	-1.60
13	L5×T1	-0.30	-0.45	2.62	4.32*	-2.10	0.01	-0.14	-1.07	1.46	-2.45	-1.32	-6.36**	0.25
14	L5×T2	-0.90	-0.25	0.12	0.22	0.25	-0.51	0.02	0.85	0.30	1.55	2.39	3.98*	0.85
15	L5×T3	1.20	0.70	-2.73	-4.53*	1.85	0.51	0.12	0.22	-1.76	0.90	-1.07	2.37	-1.10
16	L6×T1	0.20	0.22	2.12	3.82*	-1.10	-1.52**	-0.09	-0.67	-1.37	-3.78	-7.59**	-3.43	-1.14
17	L6×T2	-0.40	-0.08	2.12	0.22	-0.75	0.97*	0.12	0.45	-1.99	-1.28	1.25	3.36	0.63
18	L6×T3	0.20	-0.13	-4.23	-4.03*	1.85	0.55	-0.03	0.22	3.36	5.07*	6.34**	0.06	0.51
19	L7×T1	-0.63	-0.45	-8.55**	1.15	-0.77	-0.63	-0.04	0.33	2.20	0.72	5.56**	0.14	-0.97
20	L7×T2	1.77	0.75	5.45*	-7.45**	2.58	0.27	0.01	-0.15	-0.37	2.22	3.95	3.32	-0.04
21	L7×T3	-1.13	-0.30	3.10	6.30**	-1.82	0.36	0.03	-0.18	-1.83	-2.93	-9.50**	-3.46	1.01
22	L8×T1	0.37	0.72	-7.22**	-4.35*	1.90	1.44**	0.04	-0.47	0.83	-2.78	-8.98**	-2.20	1.59
23	L8×T2	0.77	0.92	1.28	-2.95	-0.25	-0.37	-0.03	-0.15	0.17	-0.28	-6.08**	1.02	-0.74
24	L8×T3	-1.13	-1.63	5.93**	7.30**	-1.65	-1.08**	-0.01	0.62	-1.00	3.07	15.06**	1.18	-0.85
25	L9×T1	0.03	0.38	-0.55	-1.68	1.57	0.14	-0.01	-0.61	-1.34	0.72	-2.30	1.92	-0.25
26	L9×T2	-0.57	-0.92	-4.05	1.22	-2.58	0.51	-0.07	0.52	0.20	-1.28	4.11*	2.15*	0.02
27	L9×T3	0.53	0.53	4.60*	0.47	1.02	-0.64	0.08	0.09	1.14	0.57	-1.80	-4.07*	0.23
28	L10×T1	-0.63	-0.62	-0.55	0.65	-2.77	1.82**	0.19	4.66**	-2.94	2.55	0.15	-2.59	-1.75

Continuing table 3

Sl. No	Characters	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂	X ₁₃
29	L10×T2	1.27	0.58	-7.05**	-3.95*	1.08	-0.93*	-0.25	-2.62*	0.70	-0.45	4.72*	2.84	1.19
30	L10×T3	-0.63	0.03	7.60**	3.30	1.68	-0.89*	0.06	-2.04	2.24	-2.10	-4.87*	-0.25	0.57
	CD at 5%	1.0962	2.5668	4.3015	3.5766	3.967	0.7205	0.2642	2.0669	3.5122	4.3174	2.7603	3.6719	1.7649
	CD at 1%	1.0962	3.4592	5.7971	4.8202	5.3464	0.9711	0.3561	2.7856	4.7334	5.8187	5.6454	4.9486	2.3785
	S.Em±	1.0962	1.255	2.1032	1.7488	1.9396	0.3523	0.1292	1.0106	1.7173	2.111	1.6083	1.7953	0.8629

Note: * Significant at 5% level; ** Significant at 1% level; X₁: Days 50% tasseling; X₂: Days 50% silking; X₃: Plant height (cm); X₄: Ear height (cm); X₅: Days to 75% BHM; X₆: Ear length (cm); X₇: Ear girth (cm); X₈: No. of kernel rows per ear; X₉: No. of kernels per row; X₁₀: 100-grain weight (g); X₁₁: Grain yield (q/ha); X₁₂: Shelling (%); X₁₃: Fodder yield (t/ha)