

Table 6 Pooled scores of F4 barbadense lines and hirsutum testers based on Per cent pooled *gca* score

Sl.No	Parents	Seed cotton yield (kg/ha)	Plant height (cm)	No. of monopodia	No. of sympodia	No. of bolls	Mean boll weight (g)	Reproducti ve Points on sympodia	Length of sympodia at 50 % height (cm)	Seed index (g)	Ginning outturn (%)	Lint index (g)	Photosyntheti c rate (μmol CO ₂ m ⁻² s ⁻¹)	Stomatal condu ctance ((μmol m ⁻² s ⁻¹)	Transpiration rate (mmol H ₂ O m ⁻² s ⁻¹)	Pooled <i>gca</i>
	Males	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	DB 533 x DB 534 F4 IPS 44	6.30	0.04	-4.52	-0.94	-8.25	-2.90	1.14	10.62	-6.04	5.31	-11.28	4.02	4.84	-17.92	-19.58
2	DB 533 x DB 534 F4 IPS 62	11.19	-5.07	2.82	2.02	7.24	-6.77	-12.82	-11.82	8.22	-2.82	8.51	6.44	1.61	-9.12	-0.37
3	DB 533 x DB 534 F4 IPS 105	-3.71	-3.88	10.73	-4.03	-2.31	-5.81	3.42	-1.46	4.85	-3.66	-4.04	-30.78	-48.39	-3.75	-92.82
4	DB 533 x DB 534 F4 IPS 26	6.71	4.48	10.73	3.00	-3.65	-6.13	1.42	7.54	8.12	6.62	9.79	30.20	50.00	6.19	135.02
5	DB 533 x DB 534 F4 IPS 71	10.87	-8.83	1.69	3.00	4.36	1.29	-16.52	-9.14	-2.18	0.27	-0.64	-7.18	3.23	-4.23	-24.01
6	DB 533 x DB 534 F4 IPS 30	3.68	9.74	-1.69	-3.47	-0.41	-15.16	8.26	17.52	12.87	2.59	11.06	-3.24	-20.97	-16.78	4
7	DB 533 x DB 534 F4 IPS 25	6.03	-1.04	-11.86	3.19	4.54	-2.58	-23.36	-6.78	-5.15	1.75	6.81	16.09	32.26	2.61	22.51
8	DB 533 x DB 534 F4 IPS 49	-10.63	5.52	-9.60	3.19	-4.28	4.52	20.80	9.84	0.20	-8.50	-11.91	-14.20	-14.52	-7.49	-37.06
9	DB 533 x DB 534 F4 IPS 23	-7.39	0.26	1.69	-0.33	5.44	6.77	5.41	1.89	-3.76	-8.09	-11.06	-31.14	-46.77	-16.94	-104.02
10	DB 533 x DB 534 F4 IPS 36	-16.21	12.79	1.13	2.81	10.39	1.29	17.66	14.55	1.78	-8.09	-5.53	-14.49	-6.45	5.21	16.84
11	DB 533 x DB 534 F4 IPS 15	-12.16	4.66	0.00	-11.07	2.12	0.97	26.50	8.56	-8.22	-12.76	-18.51	-16.74	-14.52	-4.40	-55.57
12	DB 533 x DB 534 F4 IPS 1	-7.27	9.51	6.78	2.81	7.24	10.00	-13.68	-0.55	-8.32	-0.60	-9.57	-11.94	-4.84	4.89	-15.54
13	DB 533 x DB 534 F4 IPS 33	-11.82	-0.78	7.34	0.23	0.84	3.87	23.65	9.90	-1.49	-4.40	-12.98	0.37	1.61	-5.37	10.97
14	DB 533 x DB 534 F4 IPS 24	-9.16	3.36	-12.99	5.16	11.92	-2.26	-7.69	-3.93	-0.30	-3.96	-11.28	10.46	16.13	2.61	-1.93
15	DB 533 x DB 534 F4 IPS 16	-9.18	-3.43	-7.91	0.05	2.03	-6.13	1.71	-7.39	1.29	9.84	7.23	8.41	-19.35	0.33	-22.5
16	DB 533 x DB 534 F4 IPS 52	-6.57	5.04	-2.26	8.07	-3.65	12.26	-12.82	-7.74	-4.06	5.54	8.09	6.65	14.52	14.82	37.89
17	DB 533 x DB 534 F4 IPS 12	-14.88	-13.87	2.26	-9.15	0.67	5.81	-20.23	-12.49	-2.77	5.54	3.19	-14.32	-30.65	-10.75	-111.64
18	DB 534 x DB 533 F4 IPS 22	-17.68	1.34	2.26	-0.75	1.12	-1.94	-11.11	-8.29	0.79	-1.78	-3.19	-14.65	-1.61	0.16	-55.33
19	DB 533 x DB 534 F4 IPS 14	-5.66	8.09	-3.95	3.38	-3.65	1.29	3.13	7.95	-8.51	-2.18	-9.57	-11.37	6.45	14.33	-0.27
20	DB 533 x DB 534 F4 IPS 34	-12.22	6.75	1.69	2.39	-3.39	-3.55	-3.13	0.61	3.86	-5.67	-12.34	-13.38	-11.29	-2.93	-52.6
21	DB 533 x DB 534 F4 IPS 55	-4.40	0.30	8.47	-0.52	5.98	6.13	-19.66	2.50	-5.84	-0.67	0.21	2.01	29.03	32.25	55.79
22	DB 533 x DB 534 F4 IPS 17	15.88	-10.10	-5.65	-2.67	-6.35	1.94	-6.84	-10.07	1.68	9.23	28.51	21.38	16.13	3.75	56.82
23	DB 533 x DB 534 F4 IPS 32	16.34	-5.82	-15.25	-1.50	-7.34	5.81	2.85	-7.57	11.58	2.22	11.91	11.41	-1.61	-6.84	16.19
24	DB 533 x DB 534 F4 IPS 38	10.82	-2.76	1.13	2.02	-9.33	-3.87	20.80	7.07	3.96	-0.64	11.06	6.61	12.90	-4.72	55.05
25	DB 533 x DB 534 F4 IPS 48	11.51	-5.74	22.60	3.19	-2.31	-10.00	-3.70	-9.81	-1.88	3.26	15.96	14.73	0.00	9.61	47.42
26	DB 533 x DB 534 F4 IPS 13	17.84	-5.18	10.17	-5.82	-10.59	3.55	-1.14	-4.66	4.06	2.38	-3.40	17.19	0.00	2.93	27.33
27	DB 533 x DB 534 F4 IPS 6	13.22	2.09	-11.86	-3.85	7.86	-0.65	8.55	8.44	-2.77	4.77	-2.34	12.60	0.00	1.79	37.85
28	DB 533 x DB 534 F4 IPS 8	18.54	-7.46	-5.08	-0.33	-6.26	1.29	7.12	-5.27	-2.08	4.57	5.32	14.81	32.26	9.61	67.04
	Females															
1	DH 98-27	4.83	0.47	-2.82	0.61	2.96	-0.32	2.56	1.72	1.39	-1.61	0.85	-2.17	-3.23	-3.09	2.15
2	ZCH 8	-2.69	1.32	-0.56	-0.66	-0.97	0.97	-4.84	-1.11	-0.50	0.50	-5.74	1.48	4.84	3.26	-4.7
3	178-24	-3.95	-2.35	0.00	-1.31	-4.04	-1.61	2.85	-0.64	3.37	1.91	4.47	-5.33	-11.29	-9.12	-27.04
4	DH 18-31	1.81	0.55	3.39	1.36	2.05	0.65	-0.57	0.06	-4.26	-0.81	0.43	6.03	8.06	8.96	27.71
	F1 Mean	1958.45	111.73	1.77	21.32	46.29	3.10	3.51	34.36	10.10	29.78	4.70	24.37	0.62	6.14	