

Table 4 Estimates of specific combining ability effects of derived F₁ crosses for different quantitative characters

Sl.No	Parents	Seed cotton yield (kg/ha)	Plant height (cm)	No. of monopodia	No. of sympodia	No. of bolls	Mean boll weight (g)	Reproductive Points on sympodia	Length of sympodia at 50 % height (cm)	Seed index (g)	Ginning outturn (%)	Lint index (g)	Photosynthetic 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)
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	[[DH 98-27 x (DB 533 x DB 534 F4 IPS 44)]	23.63	15.35	0.33	-1.80	3.30	-0.04	0.85*	11.1*	-1.25*	-0.32	-1.08*	-11.87**	-0.34**	-2.60**
2	[DH 98-27 x (DB 533 x DB 534 F4 IPS 62)]	-211.61	10.06	-0.57**	0.97	-3.88	-0.33	0.7*	-2.10	0.88	0.21	1.25*	4.96**	0.24**	-0.49
3	[DH 98-27 x (DB 533 x DB 534 F4 IPS 105)]	487.51	-19.50	-0.09	-1.22	0.37	0.15	-0.92**	-2.76	-0.95	-2.92	-1.01	3.26	0.11	1.37
4	[DH 98-27 x (DB 533 x DB 534 F4 IPS 26)]	-299.53	-5.91	0.33	2.05	0.21	0.23	-0.63	-6.25	1.32*	3.03	0.84	3.66*	-0.02	1.72*
5	[DH 98-27 x (DB 533 x DB 534 F4 IPS 71)]	-207.56	-6.94	-0.03	-4.76*	-7.04	-0.13	0.42	-1.27	-0.59	-1.03	0.13	-0.33	-0.14	0.69
6	[DH 98-27 x (DB 533 x DB 534 F4 IPS 30)]	-340.69	0.43	-0.22	3.51	-6.71	0.43	0.19	-4.64	-0.78	0.96	-0.99	-1.04	-0.04	-0.48
7	[DH 98-27 x (DB 533 x DB 534 F4 IPS 25)]	-62.01	-0.78	0.4*	2.15	4.87	-0.29	0.49	9.37*	1.60*	1.29	0.53	-1.53	0.06	-0.34
8	[DH 98-27 x (DB 533 x DB 534 F4 IPS 49)]	610.26*	7.30	-0.16	-0.91	8.88	-0.01	-1.11**	-3.46	-0.24	-1.21	0.32	2.9	0.12	0.13
9	[DH 98-27 x (DB 533 x DB 534 F4 IPS 23)]	45.12	4.56	0.53**	-0.63	6.05	0.00	-0.57	-1.34	0.09	2.65	1.46*	7.76**	0.16*	-0.17
10	[DH 98-27 x (DB 533 x DB 534 F4 IPS 36)]	-22.88	-0.07	0.00	2.80	-4.46	-0.25	-0.14	-0.78	0.00	0.16	-0.56	-9.22**	-0.26**	-2.08*
11	[DH 98-27 x (DB 533 x DB 534 F4 IPS 15)]	-20.33	-1.62	-0.55**	-0.89	-8.55	0.38	0.17	5.55	0.06	-1.57	0.15	-0.97	0.04	-1.32
12	[DH 98-27 x (DB 533 x DB 534 F4 IPS 1)]	-1.91	-2.87	0.02	-1.29	6.96	-0.13	0.54	-3.44	-0.15	-1.24	-1.05	2.44	0.06	3.58**
13	[DH 98-27 x (DB 533 x DB 534 F4 IPS 33)]	-372.07	14.73	0.31	2.70	1.67	-0.09	-0.38	-6.25	-0.15	0.07	-0.29	0.74	0.14	1.01
14	[DH 98-27 x (DB 533 x DB 534 F4 IPS 24)]	-335.87	0.10	0.38*	-1.03	-5.01	-0.28	1.02**	10.22*	-1.77**	0.18	-0.54	-0.76	-0.14	-2.15*
15	[DH 98-27 x (DB 533 x DB 534 F4 IPS 16)]	257.49	13.38	0.01	-2.22	8.58	0.20	0.66	0.39	-0.52	-2.00	-0.17	2.02	0.16*	2.43**
16	[DH 98-27 x (DB 533 x DB 534 F4 IPS 52)]	450.45	-28.20**	-0.7**	0.55	-5.24	0.18	-1.3**	-4.35	2.44**	1.75	0.99	-2	-0.16*	-1.29
17	[DH 98-27 x (DB 533 x DB 534 F4 IPS 12)]	-234.26	26.27*	-0.03	-2.13	-6.70	-0.18	0.41	2.23	0.47	2.30	0.45	4.71**	0.05	-0.55
18	[DH 98-27 x (DB 534 x DB 533 F4 IPS 22)]	680.34*	-12.53	0.38*	0.80	6.12	0.48	-0.60	-5.55	0.16	0.09	0.30	-16.66**	-0.42**	-0.52
19	[DH 98-27 x (DB 533 x DB 534 F4 IPS 14)]	-252.83	-14.58	0.41*	1.11	6.20	-0.09	-0.47	-2.22	0.33	-1.11	-0.89	10.38**	0.42**	1.71*
20	[DH 98-27 x (DB 533 x DB 534 F4 IPS 34)]	-193.25	0.84	-0.76**	0.21	-5.62	-0.21	0.66	5.55	-0.96	-1.27	0.14	1.56	-0.05	-0.64
21	[DH 98-27 x (DB 533 x DB 534 F4 IPS 55)]	119.24	-2.32	-0.19	-0.09	4.17	0.33	-0.32	-10.69*	-1.23*	2.94	0.66	6.70**	0.19*	0.00
22	[DH 98-27 x (DB 533 x DB 534 F4 IPS 17)]	453.96	19.73	0.00	-0.32	2.49	-0.16	0.01	0.45	-1.84**	-4.67*	-0.97	8.13**	0.28**	1.04
23	[DH 98-27 x (DB 533 x DB 534 F4 IPS 32)]	-306.23	-9.33	-0.06	0.32	-0.76	-0.03	-0.08	-4.38	5.80**	0.25	1.98**	-7.08**	-0.25**	-0.91
24	[DH 98-27 x (DB 533 x DB 534 F4 IPS 38)]	-266.97	-8.08	0.25	0.09	-5.91	-0.15	0.38	14.62**	-2.73**	1.48	-1.67**	-7.75**	-0.22**	-0.13
25	[DH 98-27 x (DB 533 x DB 534 F4 IPS 48)]	380.13	5.22	0.22	-1.67	8.05	0.15	-0.04	4.25	1.04	1.51	0.97	0.11	0.01	1.01
26	[DH 98-27 x (DB 533 x DB 534 F4 IPS 13)]	-16.11	-12.40	0.14	0.76	-5.80	-0.40	-0.61	-3.95	-2.49**	-1.39	-0.94	2.25	0.16*	0.82
27	[DH 98-27 x (DB 533 x DB 534 F4 IPS 6)]	-190.18	-1.46	-0.4*	-1.43	0.95	0.33	-0.20	-4.03	1.06	1.88	-0.34	4.49*	0.10*	0.31

Continued Table 4

Sl.No	Parents	Seed cotton yield (kg/ha)	Plant height (cm)	No. of monopodia	No. of sympodia	No. of bolls	Mean boll weight (g)	Reproductive Points on sympodia	Length of sympodia at 50 % height (cm)	Seed index (g)	Ginning outturn (%)	Lint index (g)	Photosynthetic rate ($\mu\text{mol CO}_2$ $\text{m}^{-2} \text{s}^{-1}$)	Stomatal condu ctance ($\mu\text{mol m}^{-2} \text{s}^{-1}$)	Transpiration rate (mmol $\text{H}_2\text{O m}^{-2} \text{s}^{-1}$)
28	[DH 98-27 x (DB 533 x DB 534 F4 IPS 8)]	-173.84	8.63	0.04	2.34	-3.20	-0.08	0.85*	3.73	0.39	-2.00	0.30	-6.85**	-0.26**	-2.14*
29	[ZCH 8 x (DB 533 x DB 534 F4 IPS 44)]	97.75	-3.11	-0.39*	1.49	9.80	0.62	0.58	4.21	-0.72	-4.23*	-1.11*	2.09	0.18*	0.47
30	[ZCH 8 x (DB 533 x DB 534 F4 IPS 62)]	-123.96	-4.90	0.25	-0.90	-6.05	0.13	-0.58	-7.41	-0.20	2.31	0.28	-3.53*	-0.13	0.19
31	[ZCH 8 x (DB 533 x DB 534 F4 IPS 105)]	227.66	8.55	-0.04	-1.76	-7.46	-0.34	-0.60	1.26	0.19	-3.60	-0.88	-4.21*	-0.11*	-0.81
32	[ZCH 8 x (DB 533 x DB 534 F4 IPS 26)]	-201.45	-0.54	0.18	1.17	3.71	-0.41	0.61	1.94	0.73	5.52*	1.71**	5.65**	0.07	0.15
33	[ZCH 8 x (DB 533 x DB 534 F4 IPS 71)]	-63.50	-16.07	-0.12	0.24	2.80	-0.24	-0.22	-7.65	-2.04**	2.82	-0.90	-10.84**	-0.21**	-0.82
34	[ZCH 8 x (DB 533 x DB 534 F4 IPS 30)]	-248.74	9.14	0.21	0.35	17.79**	-0.03	-0.54	6.99	-0.91	-4.48*	-1.2*	-9.57**	-0.27**	-1.34
35	[ZCH 8 x (DB 533 x DB 534 F4 IPS 25)]	-28.41	-5.25	0.03	-1.01	-10.30	-0.60	0.86*	-5.09	1.48*	1.76	1.97**	13.09**	0.32**	1.92*
36	[ZCH 8 x (DB 533 x DB 534 F4 IPS 49)]	340.65	12.17	-0.13	0.42	-10.29	0.88*	-0.10	5.75	1.47*	-0.10	0.13	7.33**	0.16*	0.24
37	[ZCH 8 x (DB 533 x DB 534 F4 IPS 23)]	57.63	14.76	0.10	0.41	3.17	0.22	0.18	13.50**	-0.77	1.03	-0.09	4.65**	0.28**	1.04
38	[ZCH 8 x (DB 533 x DB 534 F4 IPS 36)]	-69.77	9.48	-0.45**	0.35	2.33	-0.22	0.11	-1.28	0.65	-0.13	0.52	4.57**	0.32**	1.97*
39	[ZCH 8 x (DB 533 x DB 534 F4 IPS 15)]	15.10	-2.91	0.37*	0.49	-4.25	0.06	0.50	-2.44	0.42	1.48	0.93	4.68**	-0.08	-0.02
40	[ZCH 8 x (DB 533 x DB 534 F4 IPS 1)]	-2.95	-21.33*	-0.02	-1.25	-1.25	-0.06	-0.79*	-9.77*	-0.29	-2.37	-1.37*	-13.9**	-0.52**	-2.99**
41	[ZCH 8 x (DB 533 x DB 534 F4 IPS 33)]	-256.27	-7.65	-0.30	2.37	4.84	0.23	0.12	1.39	-0.86	-11.79**	-0.70	-16.68**	-0.28**	-1.82*
42	[ZCH 8 x (DB 533 x DB 534 F4 IPS 24)]	-195.07	-14.44	0.34*	-2.03	-2.84	-0.31	0.13	-5.89	0.88	3.71	-0.22	2.71	-0.20**	0.39
43	[ZCH 8 x (DB 533 x DB 534 F4 IPS 16)]	227.40	15.67	0.06	-0.72	-4.59	-0.03	0.36	6.62	-0.24	5.12*	1.26*	1.55	-0.11	-0.46
44	[ZCH 8 x (DB 533 x DB 534 F4 IPS 52)]	223.94	6.42	-0.10	0.38	2.59	0.10	-0.60	-2.12	0.22	2.96	-0.34	12.43**	0.58**	1.90*
45	[ZCH 8 x (DB 533 x DB 534 F4 IPS 12)]	-109.74	-9.74	-0.23	0.58	5.30	-0.29	0.08	-2.47	-1.04	0.85	0.11	-0.53	-0.25**	-1.18
46	[ZCH 8 x (DB 534 x DB 533 F4 IPS 22)]	346.89	-3.52	0.23	0.01	-9.05	0.07	-0.18	0.22	0.58	1.42	0.32	3.08	0.20**	0.38
47	[ZCH 8 x (DB 533 x DB 534 F4 IPS 14)]	-140.29	16.09	0.11	1.99	9.70	0.50	-0.30	3.00	-0.69	0.03	-0.13	-3.65*	-0.02	0.11
48	[ZCH 8 x (DB 533 x DB 534 F4 IPS 34)]	-96.86	-2.83	-0.11	-2.58	-5.95	-0.27	0.40	-0.74	1.16	-2.29	-0.30	1.1	0.07	0.70
49	[ZCH 8 x (DB 533 x DB 534 F4 IPS 55)]	154.92	8.27	-0.18	2.45	-2.08	-0.55	0.22	3.27	-0.53	2.19	0.22	-11.93**	-0.37**	-1.83*
50	[ZCH 8 x (DB 533 x DB 534 F4 IPS 17)]	325.54	-13.19	-0.19	-3.78	0.58	-0.30	-0.09	-0.76	-1.25*	0.64	-0.43	-1.34	-0.15*	-0.21
51	[ZCH 8 x (DB 533 x DB 534 F4 IPS 32)]	-282.53	0.09	0.00	3.03	4.16	0.28	-0.38	0.24	0.48	-2.55	-1.04	8.50**	0.50**	1.43
52	[ZCH 8 x (DB 533 x DB 534 F4 IPS 38)]	-197.94	4.84	0.37*	-1.70	-2.66	0.57	0.25	-2.75	1.3*	-0.28	1.25*	4.77**	0.02	0.62
53	[ZCH 8 x (DB 533 x DB 534 F4 IPS 48)]	204.94	-19.19	0.01	0.41	-3.70	-0.17	-0.67	-7.07	-0.39	0.11	-0.14	-0.44	-0.22**	-0.49
54	[ZCH 8 x (DB 533 x DB 534 F4 IPS 13)]	30.65	14.18	-0.06	2.18	7.12	0.54	0.75*	6.74	-0.98	-1.15	-0.36	5.50**	0.41**	1.63
55	[ZCH 8 x (DB 533 x DB 534 F4 IPS 6)]	-110.07	-6.20	0.50**	-1.68	-8.96	0.02	0.48	2.33	2.18**	-0.30	0.35	0.44	-0.15*	0.3

Continued Table 4

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56	[ZCH 8 x (DB 533 x DB 534 F4 IPS 8)]	-125.52	11.21	-0.45**	-0.91	5.54	-0.40	-0.56	-2.00	-0.82	1.34	0.15	-5.5**	-0.04	-1.44
57	[178-24 x (DB 533 x DB 534 F4 IPS 44)]	175.77	-15.11	0.26	-0.84	5.71	-0.09	-0.26	-3.63	0.78	2.97	1.23*	5.86**	0.05	1.02
58	[178-24 x (DB 533 x DB 534 F4 IPS 62)]	-162.64	3.77	-0.12	-0.07	-4.80	-0.08	0.09	-1.16	-0.62	-0.37	-1.31*	2.32	0.05	0.87
59	[178-24 x (DB 533 x DB 534 F4 IPS 105)]	210.34	6.71	-0.28	0.24	-7.21	0.20	0.06	1.35	-0.01	-2.00	0.46	-3.72*	0.04	-1.27
60	[178-24 x (DB 533 x DB 534 F4 IPS 26)]	-223.47	4.63	0.14	0.67	6.30	-0.02	0.10	3.44	-0.15	-0.60	-0.39	-4.46*	-0.14	-0.62
61	[178-24 x (DB 533 x DB 534 F4 IPS 71)]	-52.56	-15.90	0.11	1.12	2.34	0.43	-1.14**	-3.92	0.10	-1.62	-0.20	0.56	0.08	1.72*
62	[178-24 x (DB 533 x DB 534 F4 IPS 30)]	-292.50	-13.86	-0.38*	-3.11	-8.51	-0.01	-0.06	-4.20	0.79	0.20	0.93	-2.36	-0.14	-2.37**
63	[178-24 x (DB 533 x DB 534 F4 IPS 25)]	63.81	22.75*	0.27	1.70	0.91	-0.38	1.33**	8.39	-1.49*	1.25	-0.39	1.37	-0.12	-0.32
64	[178-24 x (DB 533 x DB 534 F4 IPS 49)]	281.25	7.00	0.00	0.30	5.26	-0.05	-0.13	-0.27	0.60	0.18	-0.34	0.43	0.18*	0.98
65	[178-24 x (DB 533 x DB 534 F4 IPS 23)]	-26.25	-4.11	0.41*	-1.38	-0.32	-0.12	1.09**	2.37	-0.86	2.10	0.00	1.49	-0.08	-0.93
66	[178-24 x (DB 533 x DB 534 F4 IPS 36)]	-103.12	3.77	-0.22	1.22	-1.01	-0.01	-0.72*	-3.32	1.99**	-0.87	0.70	9.21**	0.19*	0.45
67	[178-24 x (DB 533 x DB 534 F4 IPS 15)]	64.07	-2.45	-0.31	-3.14	-6.59	0.47	-0.50	-2.90	-0.61	-1.07	-0.22	-11.53**	-0.28**	-1.26
68	[178-24 x (DB 533 x DB 534 F4 IPS 1)]	65.30	2.79	0.13	3.30	7.92	-0.35	0.13	3.86	-0.52	-0.16	-0.48	0.84	0.16*	1.74**
69	[178-24 x (DB 533 x DB 534 F4 IPS 33)]	-390.43	23.06*	-0.09	0.66	-6.87	-0.68	-0.07	-0.31	1.71*	0.65	0.16	2.22	0.24**	0.20
70	[178-24 x (DB 533 x DB 534 F4 IPS 24)]	-262.54	-2.73	-0.14	-1.24	-7.72	0.58	0.63	2.15	1.24*	-0.94	-0.17	5.78**	-0.08	0.61
71	[178-24 x (DB 533 x DB 534 F4 IPS 16)]	333.95	-6.62	0.35*	-1.43	8.70	-0.29	-0.40	-1.17	-1.14	-1.34	-1.12*	-10.91**	-0.45**	-2.26**
72	[178-24 x (DB 533 x DB 534 F4 IPS 52)]	319.02	-13.71	-0.13	2.01	5.88	0.39	-0.17	-0.67	-1.81**	1.63	1.13*	2.91	0.28**	1.45
73	[178-24 x (DB 533 x DB 534 F4 IPS 12)]	-191.28	12.35	-0.08	-0.71	-7.16	-0.03	1.56**	5.44	0.60	-1.92	0.26	4.61**	-0.25**	-1.89*
74	[178-24 x (DB 534 x DB 533 F4 IPS 22)]	302.35	-17.44	0.31	0.72	-0.01	-0.52	-0.30	0.16	-0.37	4.11	0.92	-0.95	0.19*	1.08
75	[178-24 x (DB 533 x DB 534 F4 IPS 14)]	-69.70	-1.66	-0.21	-1.80	3.24	0.01	-0.9**	-2.93	-1.02	1.36	0.02	-5.54**	-0.02	1.09
76	[178-24 x (DB 533 x DB 534 F4 IPS 34)]	-41.37	6.75	-0.02	1.80	3.92	0.54	-0.36	-2.66	0.79	-3.55	-1.2*	1.88	0.08	-0.27
77	[178-24 x (DB 533 x DB 534 F4 IPS 55)]	255.48	-14.49	-0.58**	-3.17	1.21	0.02	-0.67	-0.13	0.35	1.08	-0.35	-0.64	-0.17*	-0.32
78	[178-24 x (DB 533 x DB 534 F4 IPS 17)]	356.80	0.06	0.21	1.93	13.87*	0.48	-0.07	1.10	0.21	1.23	0.83	1.24	0.12	1.41
79	[178-24 x (DB 533 x DB 534 F4 IPS 32)]	-365.36	-0.83	-0.12	0.90	-7.38	-0.54	-0.26	-0.99	-1.93**	0.66	-0.68	-2.23	-0.25**	-3.33**
80	[178-24 x (DB 533 x DB 534 F4 IPS 38)]	-246.91	15.25	0.50**	0.34	-7.70	0.04	1.00**	0.02	1.37*	-2.97	0.20	1.63	0.30**	2.25**
81	[178-24 x (DB 533 x DB 534 F4 IPS 48)]	184.24	-22.61*	-0.03	-4.55*	0.05	0.22	-0.76*	-4.69	0.17	0.31	0.17	4.35*	0.13	0.83
82	[178-24 x (DB 533 x DB 534 F4 IPS 13)]	38.60	9.60	0.26	2.89	4.37	-0.37	-0.08	1.11	1.55*	0.77	0.68	-0.58	-0.06	0.32
83	[178-24 x (DB 533 x DB 534 F4 IPS 6)]	-94.84	-0.29	-0.59**	0.69	-3.21	0.31	0.23	-5.88	-1.25*	-0.53	-0.32	-1.29	0.05	-0.61

Continued Table 4

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84	[178-24 x (DB 533 x DB 534 F4 IPS 8)]	-127.99	13.30	0.35*	0.96	-1.21	-0.16	0.60	9.46*	-0.47	-0.54	-0.52	-2.48	-0.11	-0.53
85	[DH 18-31 x (DB 533 x DB 534 F4 IPS 44)]	128.75	17.52	0.22	2.08	-0.75	-0.64	0.38	0.87	0.40	0.12	-0.78	-0.19	-0.03	0.12
86	[DH 18-31 x (DB 533 x DB 534 F4 IPS 62)]	-194.03	-10.28	-0.32	-1.99	-4.92	0.27	-0.35	-1.66	0.36	-1.61	0.80	-0.56	0.20**	0.12
87	[DH 18-31 x (DB 533 x DB 534 F4 IPS 105)]	175.30	1.17	0.17	-0.18	3.83	0.65	0.06	-0.57	-1.52*	2.67	-0.15	1.88	-0.03	0.83
88	[DH 18-31 x (DB 533 x DB 534 F4 IPS 26)]	-110.02	-8.41	-0.07	0.09	1.84	-0.27	-0.09	1.35	0.76	-1.18	0.13	-1.13	-0.14	-1.07
89	[DH 18-31 x (DB 533 x DB 534 F4 IPS 71)]	56.72	2.06	-0.11	4.00	-6.46	0.18	-0.55	-0.82	1.06	0.28	-0.69	2.67	0.1	0.90
90	[DH 18-31 x (DB 533 x DB 534 F4 IPS 30)]	-224.38	-9.90	0.01	-3.07	0.71	0.39	-0.12	0.56	0.26	-1.25	0.02	-8.16**	-0.12	-1.41
91	[DH 18-31 x (DB 533 x DB 534 F4 IPS 25)]	26.69	3.05	0.33*	0.24	7.95	0.02	0.27	1.93	0.93	-0.45	1.00	4.27*	0.04	0.53
92	[DH 18-31 x (DB 533 x DB 534 F4 IPS 49)]	140.97	4.80	-0.23	-1.16	-2.20	-0.60	0.40	-1.67	-2.25**	1.42	-0.33	1.22	-0.01	-0.02
93	[DH 18-31 x (DB 533 x DB 534 F4 IPS 23)]	16.86	-9.03	0.32	-0.92	-3.53	-0.07	-0.24	-4.60	0.45	0.06	0.51	2.25	0.36**	1.63
94	[DH 18-31 x (DB 533 x DB 534 F4 IPS 36)]	-111.58	24.02*	-0.45**	0.84	-1.22	0.29	-0.08	4.76	1.14	2.30	0.32	3.98*	-0.13	0.84
95	[DH 18-31 x (DB 533 x DB 534 F4 IPS 15)]	63.94	-3.87	0.15	3.32	10.54	-0.18	0.31	3.37	-1.06	-0.81	-0.84	-4.06*	0.02	-0.47
96	[DH 18-31 x (DB 533 x DB 534 F4 IPS 1)]	30.78	-11.12	-0.02	-3.24	-5.79	-0.05	0.02	-3.54	-0.53	-1.55	0.01	-2.17	-0.25**	-2.00**
97	[DH 18-31 x (DB 533 x DB 534 F4 IPS 33)]	-208.73	8.64	-0.28	0.83	-12.12	0.22	0.68*	3.29	0.85	-0.39	-0.43	-1.52	0.11	0.93
98	[DH 18-31 x (DB 533 x DB 534 F4 IPS 24)]	-204.84	3.68	0.01	-0.23	8.20	-0.17	0.69*	4.18	0.30	-0.31	-0.37	0.34	-0.07	-0.38
99	[DH 18-31 x (DB 533 x DB 534 F4 IPS 16)]	203.57	-10.54	0.17	-1.60	-2.72	-0.09	-1**	-6.24	-0.70	-0.09	0.16	-1.34	-0.05	-0.18
100	[DH 18-31 x (DB 533 x DB 534 F4 IPS 52)]	210.00	-1.78	0.10	1.00	6.63	0.04	-0.37	-1.23	-0.44	0.79	0.64	2.51	0.01	-0.38
101	[DH 18-31 x (DB 533 x DB 534 F4 IPS 12)]	-111.83	-14.65	0.25	-0.42	1.88	0.36	-0.15	-2.23	1.77**	-1.59	0.02	0.42	0.04	-0.09
102	[DH 18-31 x (DB 534 x DB 533 F4 IPS 22)]	245.30	6.56	0.22	0.35	6.54	0.32	-0.05	4.40	-0.42	-2.92	-0.39	-0.32	-0.02	0.42
103	[DH 18-31 x (DB 533 x DB 534 F4 IPS 14)]	-69.44	-3.50	-0.46**	0.82	-3.05	-0.35	-0.17	-1.42	-1.81**	2.23	-0.17	2.82	0.08	0.86
104	[DH 18-31 x (DB 533 x DB 534 F4 IPS 34)]	-64.04	11.59	-0.02	-0.75	-5.37	-0.32	0.37	-0.75	0.46	2.28	0.54	-2.91	-0.09	-1.19
105	[DH 18-31 x (DB 533 x DB 534 F4 IPS 55)]	185.14	4.89	-0.17	2.16	-2.16	0.38	0.19	4.85	0.58	-0.95	0.96	3.95*	0.01	0.54
106	[DH 18-31 x (DB 533 x DB 534 F4 IPS 17)]	289.59	2.10	0.00	-0.24	3.50	-0.56	0.51	0.41	-0.17	2.38	-0.29	-1.25	0.03	-0.26
107	[DH 18-31 x (DB 533 x DB 534 F4 IPS 32)]	-279.40	-4.45	-0.04	0.57	-2.76	-0.28	-0.84*	-5.34	0.32	0.31	-0.54	-1.56	0.07	0.59
108	[DH 18-31 x (DB 533 x DB 534 F4 IPS 38)]	-195.33	-2.54	0.21	-2.50	1.42	0.45	0.14	0.09	-0.73	-1.75	-0.13	-1.14	-0.11	-0.87
109	[DH 18-31 x (DB 533 x DB 534 F4 IPS 48)]	138.13	3.22	-0.28	1.58	-1.46	-0.08	-0.7*	0.31	-0.01	-0.19	-0.58	-0.16	0.22**	0.62
110	[DH 18-31 x (DB 533 x DB 534 F4 IPS 13)]	50.32	-1.40	0.16	-1.65	-1.63	0.03	-0.26	-0.72	0.81	-0.56	0.83	2.26	-0.16*	-0.85
111	[DH 18-31 x (DB 533 x DB 534 F4 IPS 6)]	-85.20	8.38	-0.19	1.49	7.79	-0.04	1.21**	4.53	0.12	0.06	0.11	0.87	-0.1	0.10
112	[DH 18-31 x (DB 533 x DB 534 F4 IPS 8)]	-103.25	-10.20	0.30	-1.41	-4.70	0.09	-0.25	-4.12	-0.92	0.70	-0.35	-2.97	0.04	0.13
	SEd	259.18	10.35	0.17	2.16	6.21	0.36	0.34	4.41	0.60	2.13	0.53	1.72	0.07	0.83
	CD at 5%	756.81	30.25	0.48	5.74	17.71	1.04	0.97	12.86	1.85	6.10	1.59	4.55	0.13	1.53
	CD at 1%	996.21	39.82	0.63	7.56	23.31	1.36	1.27	16.93	2.44	8.03	2.09	5.99	0.18	2.01

Note: * Significant at P = 0.05 ** Significant at P = 0.01

