

Table 2 Heterosis over mid parent and commercial checks for reproductive points on sympodia, length of sympodia at 50% height, inter branch distance, seed index and ginning outturn in derived F₁ crosses

Sl. No	Cross	Reproductive Points on Sympodia			Length of Sympodia at 50% Height (cm)			Seed index (g)			Ginning outturn (%)			Lint index (g)		
		H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	[[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 44)]]	32.65**	54.37**	28.57*	57.83**	58.24**	23.19	2.84	-12.40	-12.26	-5.33	7.37	-8.79	-33.05*	-22.81	-38.57*
2	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 62)]	13.95	40.14*	16.71	2.04	13.02	-12.01	21.38*	7.99	8.16	-5.56	11.45	-5.32	9.63	27.00	1.08
3	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 105)]	-18.58	-5.66	-21.43	8.26	11.42	-13.25	-2.75	-7.20	-7.05	-8.77	1.94	-13.4	-29.83*	-16.89	-33.86*
4	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 26)]	-22.83*	0.00	-16.71	-13.53	1.07	-21.32	26.65**	8.62	8.79	-0.31	19.92	1.87	3.07	24.17	-1.18
5	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 71)]	-14.29	22.98	2.43	-13.55	-5.86	-26.71	29.55**	9.77	9.95	-11.82	-3.59	-18.10*	28.97	29.84	3.34
6	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 30)]	-29.49**	5.83	-11.86	-32.74*	-19.69	-37.48*	19.44*	5.73	5.89	-7.32	5.60	-10.29	-6.58	-5.43	-24.73
7	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 25)]	-12.06	25.73	4.71	12.52	25.53	-2.27	41.96**	34.84**	35.05**	0.51	8.23	-8.06	38.72*	44.02*	14.62
8	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 49)]	-57.53**	-33.45*	-44.57**	-31.99*	-14.63	-33.54*	25.9**	7.41	7.58	-16.87*	-3.38	-17.92*	26.73	34.16	6.77
9	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 23)]	-16.55	8.58	-9.57	2.60	5.31	-18.01	11.72	13.24	13.42	-6.63	8.44	-7.88	13.66	48.21*	17.96
10	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 36)]	-16.31	14.41	-4.71	-8.09	3.99	-19.04	4.95	10.35	10.53	-15.58*	1.93	-13.41	-30.89*	-9.49	-27.97
11	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 15)]	3.64	34.31*	11.86	18.43	24.72	-2.91	3.06	15.03	15.21	-14.95	-2.64	-17.3	-10.25	19.85	-4.61
12	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 1)]	-0.42	42.71*	18.86	-18.83	-3.19	-24.63	2.78	4.78	4.95	-22.26**	-4.36	-18.75*	-36.79**	-14.30	-31.80**
13	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 33)]	-8.69	12.69	-6.14	9.52	-0.53	-22.56	19.21*	14.29	14.47	-2.35	10.08	-6.48	1.03	21.09	-3.63
14	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 24)]	16.62	51.63**	26.29	46.98**	48.92*	15.94	-4.46	-4.78	-4.63	-3.95	12.69	-4.27	-11.01	7.15	-14.72
15	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 16)]	21.00	48.71**	23.86	26.31	18.08	-8.07	5.92	12.40	12.58	-4.08	6.53	-9.5	4.16	28.11	1.96
16	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 52)]	-43.5**	-22.81	-35.71*	-3.47	3.72	-19.25	40.4**	35.42**	35.63**	-2.35	16.81	-0.77	21.60	52.03**	21.00
17	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 12)]	-14.48	18.01	-1.71	5.29	8.23	-15.74	8.40	9.83	10	-3.78	11.27	-5.47	8.57	27.37	1.37
18	[DH 98-27 x (DB 534 x DB 533 F ₄ IPS 22)]	-48.64**	-25.73	-38.14**	-29.11	-19.69	-37.48*	-0.50	4.57	4.74	-12.05	5.76	-10.16	-1.78	15.78	-7.85
19	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 14)]	-35.62**	-11.49	-26.29	-13.25	-8.52	-28.78	-0.94	10.51	10.68	-9.61	3.03	-12.48	-18.42	-1.73	-21.79
20	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 34)]	-18.66	22.98	2.43	-2.00	17.03	-8.89	-12.84	-11.19	-11.05	-18.7*	-0.39	-15.38	-2.77	19.11	-5.20
21	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 55)]	2.43	22.98	2.43	-2.30	-3.73	-25.06	17.83*	7.99	8.16	3.10	15.97	-1.49	26.12	45.87*	16.09
22	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 17)]	-1.29	25.04	4.14	18.06	28.72	0.21	4.30	-0.47	-0.32	-21.85**	-8.49	-22.26*	-15.76	-2.10	-22.08
23	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 32)]	10.04	31.56	9.57	12.50	13.83	-11.38	80.45**	83.87**	84.16**	-0.54	10.22	-6.37	53.71**	82.61**	45.34**
24	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 38)]	7.34	43.05*	19.14	52.19**	75.25**	36.43*	-6.55	-13.82	-13.68	-6.45	11.68	-5.13	-27.35*	-12.21	-30.13*
25	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 48)]	-23.61*	-5.66	-21.43	25.29	17.28	-8.70	11.31	12.72	12.89	-7.04	10.10	-6.47	11.19	48.83**	18.45
26	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 13)]	-49.51**	-34.31*	-45.29**	-15.46	-11.98	-31.48*	-29.96**	-26.43**	-26.32**	-16.98*	2.15	-13.22	-30.09*	-6.04	-25.22
27	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 6)]	-27.34*	-10.63	-25.57	-8.29	-11.71	-31.27*	3.11	14.98	15.16	-1.48	15.06	-2.26	-11.97	20.59	-4.02
28	[DH 98-27 x (DB 533 x DB 534 F ₄ IPS 8)]	-11.42	21.10	0.86	3.27	13.83	-11.38	-2.01	-0.21	-0.05	-21.32**	-1.38	-16.23	-5.28	31.69	4.81

Continuing table 2

Sl. No	Cross	Reproductive Points on Sympodia			Length of Sympodia at 50% Height (cm)			Seed index (g)			Ginning outturn (%)			Lint index (g)		
		H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
29	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 44)]	45.03**	68.78**	40.57**	34.65*	35.36	5.38	-1.12	-0.16	0	-24.47**	-20.69	-32.63**	-35.44*	-24.41	-39.84**
30	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 62)]	-2.37	20.07	0.00	-14.26	-4.80	-25.89	-1.38	3.31	3.47	-4.75	4.39	-11.32	-13.21	2.10	-18.74
31	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 105)]	11.03	28.64	7.14	19.59	23.39	-3.94	0.31	11.56	11.74	-17.58*	-14.83	-27.65**	-28.92*	-14.55	-31.99*
32	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 26)]	27.99*	65.87**	38.14**	7.84	26.33	-1.65	7.48	9.14	9.32	2.13	14.27	-2.93	18.31	44.64*	15.11
33	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 71)]	0.77	22.98	2.43	-2.90	-11.17	-30.84*	-14.29	-18.18*	-18.05*	-9.44	4.38	-11.33	-31.65*	-18.00	-34.74*
34	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 30)]	-20.00	2.92	-14.29	29.86	32.44	3.11	-7.65	-8.36	-8.21	-32.39**	-18.96	-31.16**	-44.65**	-33.29	-46.91**
35	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 25)]	31.83**	60.21**	33.43*	0.29	-5.58	-26.50	14.34	20.86*	21.05*	-8.13	4.36	-11.35	27.39*	56.84**	24.83
36	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 49)]	-9.07	22.98	2.43	20.06	29.79	1.04	17.32*	12.66	12.84	-22.22**	-4.99	-19.29*	-14.78	6.66	-15.11
37	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 23)]	22.64	51.46**	26.14	84.71**	70.21**	32.51*	11.32	1.00	1.16	-10.95	-1.89	-16.66	-2.44	8.26	-13.84
38	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 36)]	7.71	40.14*	16.71	16.85	19.95	-6.62	20.49*	13.87	14.05	-16.14*	-3.75	-18.23*	3.70	15.66	-7.95
39	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 15)]	32.5**	62.95**	35.71*	23.15	16.75	-9.11	14.44	15.55	15.74	-4.73	3.38	-12.18	20.69	37.73*	9.62
40	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 1)]	-16.31	14.41	-4.71	-13.45	-5.86	-26.71	9.53	0.00	0.16	-25.64**	-12.96	-26.06**	-34.29*	-23.67	-39.25**
41	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 33)]	34.24**	60.03**	33.29*	22.72	24.99	-2.70	-0.50	-10.56	-10.42	-58.48**	-51.63**	-58.91**	-32.73*	-21.95	-37.88*
42	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 24)]	20.38	51.46**	26.14	-12.19	-1.34	-23.19	12.82	5.68	5.84	-13.42	4.85	-10.93	-29.56*	-17.88	-34.64*
43	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 16)]	42.05**	68.61**	40.43**	33.09*	39.09	8.29	-2.07	-1.94	-1.79	-3.08	11.29	-5.46	9.57	30.58	3.93
44	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 52)]	-0.78	31.39	9.43	-5.49	11.97	-12.83	4.73	-5.25	-5.11	-18.24*	0.88	-14.31	-28.69*	-13.56	-31.21*
45	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 12)]	3.71	10.29	-8.14	17.85	2.65	-20.09	-13.92	-12.56	-12.42	-9.09	5.29	-10.56	-12.77	8.63	-13.54
46	[ZCH 8 x (DB 534 x DB 533 F ₄ IPS 22)]	-18.15	-7.55	-23.00	10.80	8.14	-15.81	-2.79	2.42	2.58	-9.06	9.51	-6.98	-15.23	6.04	-15.60
47	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 14)]	-7.62	-2.23	-18.57	30.95	17.54	-8.50	-16.68*	-6.83	-6.68	-7.04	6.11	-9.86	-16.47	6.66	-15.11
48	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 34)]	-1.87	17.32	-2.29	2.57	6.38	-17.18	2.37	4.57	4.74	-22.47**	-4.87	-19.19*	-24.62*	-2.22	-22.18
49	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 55)]	26.77*	60.03**	33.29*	40.08*	32.44	3.11	10.22	0.00	0.16	-3.92	6.07	-9.89	-7.88	7.40	-14.52
50	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 17)]	5.49	40.14*	16.71	10.89	16.48	-9.32	-4.25	-9.51	-9.37	-10.58	2.84	-12.64	-28.63*	-16.40	-33.46*
51	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 32)]	11.32	39.97*	16.57	23.66	20.20	-6.42	11.68	12.77	12.95	-14.35	-6.86	-20.88*	-32.96*	-19.73	-36.11*
52	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 38)]	12.67	57.12**	30.86*	0.24	11.42	-13.25	24.03**	13.24	13.42	-16.23*	-1.75	-16.54	8.46	32.06	5.10
53	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 48)]	-23.99*	-8.40	-23.71	-8.38	-15.70	-34.37*	6.83	2.79	2.95	-10.15	-0.79	-15.72	-10.47	0.12	-20.31
54	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 13)]	3.37	31.39	9.43	22.19	25.26	-2.48	-5.41	-5.41	-5.26	-15.66	-2.99	-17.59	-22.44	-12.82	-30.62*
55	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 6)]	9.65	31.56	9.57	17.98	11.70	-13.04	23.84**	31.84**	32.05**	-6.71	1.45	-13.82	1.34	16.52	-7.26
56	[ZCH 8 x (DB 533 x DB 534 F ₄ IPS 8)]	-31.49**	-8.40	-23.71	-9.18	-1.34	-23.19	-4.67	-7.72	-7.58	-11.05	4.34	-11.36	-8.75	6.78	-15.01
57	[178-24 x (DB 533 x DB 534 F ₄ IPS 44)]	-5.14	17.15	-2.43	0.87	-8.52	-28.78	19.78*	16.76	16.95	4.44	23.63*	5.03	20.77	55.61**	23.85
58	[178-24 x (DB 533 x DB 534 F ₄ IPS 62)]	-7.71	20.07	0.00	-4.86	-3.73	-25.06	-1.25	0.00	0.16	-7.20	14.13	-3.05	-34.16**	-14.80	-32.19*

Continuing table 2

Sl. No	Cross	Reproductive Points on Sympodia			Length of Sympodia at 50% Height (cm)			Seed index (g)			Ginning outturn (%)			Lint index (g)		
		H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
59	[178-24 x (DB 533 x DB 534 F ₄ IPS 105)]	4.60	28.64	7.14	12.26	4.79	-18.42	2.59	10.51	10.68	-5.83	9.91	-6.63	6.59	40.69*	11.97

60	[178-24 x (DB 533 x DB 534 F4 IPS 26)]	-8.03	25.73	4.71	4.59	12.24	-12.62	3.00	1.00	1.16	-10.64	11.94	-4.91	-14.17	15.04	-8.44
61	[178-24 x (DB 533 x DB 534 F4 IPS 71)]	-38.78**	-30.53	-42.14**	3.20	-9.85	-29.81	-0.05	3.89	4.05	-12.22	3.06	-12.45	1.18	21.09	-3.63
62	[178-24 x (DB 533 x DB 534 F4 IPS 30)]	-19.00	-2.74	-19.00	-11.95	-13.83	-32.92*	1.32	9.14	9.32	-8.50	11.64	-5.16	17.64	41.43*	12.56
63	[178-24 x (DB 533 x DB 534 F4 IPS 25)]	36.67**	54.37**	28.57*	40.92*	26.85	-1.24	-21.77**	-10.67	-10.53	0.90	16.79	-0.79	-1.81	20.59	-4.02
64	[178-24 x (DB 533 x DB 534 F4 IPS 49)]	-20.92	0.17	-16.57	-3.83	0.00	-22.15	-1.31	3.15	3.32	-11.35	10.19	-6.4	-6.07	17.26	-6.67
65	[178-24 x (DB 533 x DB 534 F4 IPS 23)]	6.17	37.22*	14.29	12.38	5.04	-18.22	-7.00	-4.73	-4.58	3.93	16.12	-1.35	-5.79	20.47	-4.12
66	[178-24 x (DB 533 x DB 534 F4 IPS 36)]	-51.52**	-34.13*	-45.14**	-19.43	-16.23	-34.78*	15.95*	23.17*	23.37*	-7.24	7.91	-8.33	1.30	30.09	3.53
67	[178-24 x (DB 533 x DB 534 F4 IPS 15)]	-35.51**	-16.98	-30.86*	-10.91	-14.36	-33.33*	-11.26	0.00	0.16	-1.24	8.70	-7.66	-8.99	19.24	-5.10
68	[178-24 x (DB 533 x DB 534 F4 IPS 1)]	-29.68**	0.17	-16.57	-1.92	7.98	-15.94	-9.92	-7.20	-7.05	-8.08	9.03	-7.38	-18.81	8.01	-14.03
69	[178-24 x (DB 533 x DB 534 F4 IPS 33)]	-22.22*	8.06	-10.00	2.16	1.07	-21.32	22.34**	26.06**	26.26**	-14.67	3.40	-12.17	-12.21	17.02	-6.87
70	[178-24 x (DB 533 x DB 534 F4 IPS 24)]	-15.50	22.98	2.43	-3.28	5.84	-17.60	11.46	19.08*	19.26*	-20.48**	0.02	-15.04	-24.27*	1.36	-19.33
71	[178-24 x (DB 533 x DB 534 F4 IPS 16)]	-29.74**	-2.74	-19.00	-5.76	-4.26	-25.47	-13.40	-1.89	-1.74	-16.25*	0.09	-14.98	-34.3**	-10.36	-28.66
72	[178-24 x (DB 533 x DB 534 F4 IPS 52)]	-33.71**	0.86	-16.00	-15.07	-1.87	-23.60	-19.93**	-17.03	-16.89	-15.92*	7.67	-8.54	1.51	40.57*	11.87
73	[178-24 x (DB 533 x DB 534 F4 IPS 12)]	43.52**	81.30**	51.00**	34.55*	37.23	6.83	7.58	4.41	4.58	-12.78	-6.06	-20.20*	-4.91	12.33	-10.60
74	[178-24 x (DB 534 x DB 533 F4 IPS 22)]	-18.32	8.58	-9.57	4.26	17.28	-8.70	-8.49	-7.72	-7.58	4.43	17.30	-0.36	1.82	20.84	-3.83
75	[178-24 x (DB 533 x DB 534 F4 IPS 14)]	-22.70*	-2.74	-19.00	3.17	7.96	-15.95	-16.6*	-10.51	-10.37	2.90	9.12	-7.3	-8.90	10.48	-12.07
76	[178-24 x (DB 533 x DB 534 F4 IPS 34)]	-20.10	11.49	-7.14	-7.61	9.57	-14.70	2.91	0.47	0.63	-22.26**	-10.91	-24.32**	-38.6**	-24.29	-39.74**
77	[178-24 x (DB 533 x DB 534 F4 IPS 55)]	-12.23	-2.74	-19.00	29.31	11.42	-13.25	5.91	14.98	15.16	-9.75	0.82	-14.35	-25.89*	-5.92	-25.12
78	[178-24 x (DB 533 x DB 534 F4 IPS 17)]	-7.38	8.75	-9.43	16.11	12.24	-12.62	-0.80	11.46	11.63	-10.96	3.57	-12.02	-9.57	15.29	-8.24
79	[178-24 x (DB 533 x DB 534 F4 IPS 32)]	1.09	11.49	-7.14	19.46	6.11	-17.39	-21.72**	-6.99	-6.84	-6.39	3.03	-12.48	-30.9*	-10.11	-28.46
80	[178-24 x (DB 533 x DB 534 F4 IPS 38)]	21.30	50.43**	25.29	7.12	10.10	-14.29	9.63	19.65*	19.84*	-26.26**	-12.54	-25.70**	-18.99	7.03	-14.82
81	[178-24 x (DB 533 x DB 534 F4 IPS 48)]	-36.93**	-25.73	-38.14**	11.04	-1.07	-22.98	4.77	2.79	2.95	-12.10	3.33	-12.22	0.15	21.21	-3.53
82	[178-24 x (DB 533 x DB 534 F4 IPS 13)]	-28.69*	-11.32	-26.14	14.81	14.34	-10.98	13.05	15.19	15.37	-12.28	7.16	-8.97	3.75	26.14	0.39
83	[178-24 x (DB 533 x DB 534 F4 IPS 6)]	-7.24	8.75	-9.43	0.87	-7.45	-27.95	-17.02*	-10.09	-9.95	-10.19	4.08	-11.59	-8.74	13.32	-9.81
84	[178-24 x (DB 533 x DB 534 F4 IPS 8)]	-10.54	17.15	-2.43	34.58*	42.27*	10.76	-8.84	-10.04	-9.89	-18.68*	1.19	-14.04	-17.83	3.70	-17.47
85	[DH 18-31 x (DB 533 x DB 534 F4 IPS 44)]	14.85	28.64	7.14	18.16	2.92	-19.88	18.67*	13.24	13.42	-1.34	13.01	-4	0.09	30.70	4.02
86	[DH 18-31 x (DB 533 x DB 534 F4 IPS 62)]	-20.46	-5.66	-21.43	-5.99	-8.25	-28.57	11.71	10.83	11	-8.37	9.17	-7.26	23.46	61.90**	28.85
87	[DH 18-31 x (DB 533 x DB 534 F4 IPS 105)]	6.00	18.18	-1.57	6.67	-4.26	-25.47	-10.00	-4.89	-4.74	11.31	25.65*	6.74	12.31	50.18**	19.53
88	[DH 18-31 x (DB 533 x DB 534 F4 IPS 26)]	-13.29	8.58	-9.57	-1.03	2.65	-20.09	15.60	10.98	11.16	-9.98	9.31	-7.14	12.26	52.40**	21.30

Continuing table 2

Sl. No	Cross	Reproductive Points on Sympodia			Length of Sympodia at 50% Height (cm)			Seed index (g)			Ginning outturn (%)			Lint index (g)		
		H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2	H mp	H cc1	Hcc2
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
89	[DH 18-31 x (DB 533 x DB 534 F4 IPS 71)]	-9.96	8.58	-9.57	4.72	0.26	-21.95	43.37**	30.64**	30.84**	-1.15	6.27	-9.73	1.32	13.56	-9.62
90	[DH 18-31 x (DB 533 x DB 534 F4 IPS 30)]	-10.05	14.41	-4.71	-4.39	1.58	-20.92	26.63**	20.18*	20.37*	-8.02	3.12	-12.4	9.69	23.55	-1.67
91	[DH 18-31 x (DB 533 x DB 534 F4 IPS 25)]	14.29	37.22*	14.29	8.20	6.46	-17.12	29.55**	31.32**	31.53**	1.48	7.41	-8.76	38.47**	59.56**	26.99

92	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 49)]	2.56	37.22*	14.29	-14.79	-4.26	-25.47	-2.01	-10.14	-10	-2.88	11.10	-5.62	4.00	21.95	-2.94
93	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 23)]	14.03	40.82*	17.29	8.45	4.26	-18.83	18.87*	16.18	16.37	-8.19	2.50	-12.92	12.63	42.42*	13.35
94	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 36)]	5.47	37.22*	14.29	22.86	31.02	2.00	19.51*	21.33*	21.53*	-3.19	12.54	-4.4	2.23	29.84	3.34
95	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 15)]	30.13**	60.03**	33.29*	28.66	27.11	-1.04	-5.26	2.31	2.47	-6.22	3.13	-12.39	-12.65	13.19	-9.91
96	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 1)]	6.65	45.80**	21.43	-6.13	5.84	-17.60	1.55	-0.16	0	-17.58*	-2.31	-17.01	-1.73	29.35	2.94
97	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 33)]	1.59	42.88*	19.00	20.00	10.90	-13.66	19.44*	14.14	14.32	-8.16	4.99	-10.81	-0.30	24.78	-0.69
98	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 24)]	-8.79	34.31*	11.86	7.51	10.64	-13.86	7.01	6.31	6.47	-9.60	7.51	-8.67	-5.74	18.50	-5.69
99	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 16)]	-38.8**	-14.24	-28.57*	-18.04	-22.08	-39.34*	-5.59	-0.11	0.05	-2.60	9.73	-6.78	11.77	43.40*	14.13
100	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 52)]	-33.11**	2.92	-14.29	-13.17	-5.33	-26.30	-1.61	-5.41	-5.26	-9.27	9.98	-6.57	15.61	50.68**	19.92
101	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 12)]	4.51	17.15	-2.43	3.33	-1.07	-22.98	33.93**	30.16**	30.37**	-11.59	-0.11	-15.14	-11.51	13.32	-9.81
102	[DH 18-31 x (DB 534 x DB 533 F ₄ IPS 22)]	-6.07	11.49	-7.14	10.14	17.01	-8.91	4.09	5.10	5.26	-17.14*	-2.56	-17.22	-25.7*	-4.44	-23.95
103	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 14)]	5.00	17.15	-2.43	0.54	-1.07	-22.98	-12.01	-5.47	-5.32	5.06	16.96	-0.64	-14.10	12.70	-10.30
104	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 34)]	4.86	31.39	9.43	-9.35	1.85	-20.71	12.82	10.30	10.47	-4.68	14.27	-2.93	-5.69	25.65	0.00
105	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 55)]	15.77	40.99*	17.43	56.98**	35.89	5.79	11.49	10.35	10.53	-6.72	4.60	-11.14	12.99	37.85*	9.72
106	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 17)]	11.29	42.88*	19.00	22.19	18.61	-7.66	-2.22	0.47	0.63	1.48	18.47	0.64	-19.11	-0.86	-21.10
107	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 32)]	-12.73	5.83	-11.86	12.96	0.78	-21.54	0.41	9.67	9.84	2.00	12.69	-4.27	-16.16	4.93	-16.49
108	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 38)]	0.13	35.16*	12.57	15.21	18.88	-7.45	-9.05	-9.46	-9.32	-13.77	2.64	-12.8	-13.14	10.48	-12.07
109	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 48)]	-0.94	8.58	-9.57	26.59	6.38	-17.18	6.71	4.94	5.11	-9.55	7.07	-9.04	-14.80	8.63	-13.54
110	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 13)]	-1.55	14.41	-4.71	5.78	0.00	-22.15	9.18	11.51	11.68	-12.20	7.98	-8.27	5.92	35.64	7.95
111	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 6)]	59.75**	74.27**	45.14**	35.28	17.28	-8.70	-0.17	8.41	8.58	-4.36	11.62	-5.18	-0.71	29.72	3.24
112	[DH 18-31 x (DB 533 x DB 534 F ₄ IPS 8)]	-2.23	20.07	0.00	-10.16	-9.57	-29.60	-9.69	-10.67	-10.53	-11.37	11.03	-5.68	-14.31	13.69	-9.52
	SEm+	0.42	0.48		5.41	6.24		0.74	0.85		2.61	3.01		0.65	0.75	
	CD at 5%	0.83	0.96		10.71	12.37		1.46	1.69		5.17	5.96		1.29	1.49	
	CD at 1%	1.10	1.27		14.17	16.36		1.93	2.23		6.83	7.89		1.71	1.97	

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