

Article title: Effects of *Solanum demissum* chromosomes on crossability in the backcross progeny to *S. tuberosum*

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Supplementary Table 1 Somatic chromosome number and crossability of 89 BC₁ genotypes in crosses of BC₁ × D

No.	Clonal identity	2n	No. of flowers	No. of berries	Berry-setting rate (%)	Total no. of seeds	Total seed weight (mg)	Average seed weight (mg)	Seeds/berry
1	7H2S-1	55	16	15	93.8	1333	557.6	0.42	89
2	7H2S-2	57	4	1	25.0	39	18	0.46	39
3	7H2S-3	54	21	19	90.5	3444	1859	0.54	181
4	7H2S-4	55	19	1	5.3	112	38.0	0.34	112
5	7H2S-5	53	16	1	6.3	31	16	0.53	31
6	7H2S-6	52	17	12	70.6	1521	758.1	0.50	127
7	7H2S-7	54	19	1	5.3	8	2	0.30	8
8	7H2S-9	51	16	6	37.5	392	164.5	0.42	65
9	7H2S-11	51	16	0	0.0	0	0	-	-
10	7H2S-13	56	7	0	0.0	0	0	-	-
11	7H2S-14	51	10	0	0.0	0	0	-	-
12	7H2S-15	55	20	10	50.0	617	228	0.37	62
13	7H2S-16	54	17	8	47.1	609	280.6	0.46	76
14	7H2S-17	54	16	2	12.5	246	124.3	0.51	123
15	7H2S-18	54	22	13	59.1	1630	855.3	0.52	125
16	7H2S-19	53	4	2	50.0	72	27	0.38	36
17	7H2S-20	54	24	8	33.3	563	303.8	0.54	70
18	7H2S-21	53	16	13	81.3	1502	485	0.32	116
19	7H2S-22	52	17	4	23.5	233	108.6	0.47	58
20	7H2S-23	55	16	0	0.0	0	0	-	-
21	7H2S-24	53	18	4	22.2	617	261.7	0.42	154
22	7H2S-25	55	17	13	76.5	2277	904.2	0.40	175
23	7H2S-26	53	3	3	100.0	235	106	0.45	78
24	7H2S-27	56	18	1	5.6	114	34	0.30	114
25	7H2S-28	51	16	11	68.8	1520	431	0.28	138
26	7H2S-29	56	16	8	50.0	500	149	0.30	63
27	7H2S-30	55	17	3	17.6	75	38.6	0.51	25
28	7H2S-32	55	17	0	0.0	0	0	-	-
29	7H2S-33	49	16	6	37.5	328	137	0.42	55
30	7H2S-34	53	21	3	14.3	117	55	0.47	39
31	7H2S-35	50	17	5	29.4	242	111	0.46	48
32	7H2S-36	54	16	1	6.3	85	39	0.45	85
33	7H2S-37	53	16	0	0.0	0	0	-	-
34	7H2S-38	54	16	3	18.8	86	48	0.56	29
35	7H2S-39	54	20	4	20.0	355	174.6	0.49	89
36	7H2S-41	58	16	0	0.0	0	0	-	-
37	7H2S-42	51	0	0	-	0	0	-	-
38	7H2S-43	50	7	0	0.0	0	0	-	-
39	7H2S-44	52	17	0	0.0	0	0	-	-
40	7H2S-45	51	10	6	60.0	1123	350	0.31	187
41	7H2S-46	53	20	0	0.0	0	0	-	-
42	7H2S-47	59	17	2	11.8	67	21.7	0.32	34
43	7H2S-49	58	18	0	0.0	0	0	-	-

44	7H2S-50	58	17	12	70.6	1175	443	0.38	98
45	7H2S-51	52	0	0	-	0	0	-	-
46	7H2L-2	53	27	1	3.7	28	14	0.49	28
47	7H2L-3	56	16	9	56.3	603	257	0.43	67
48	7H2L-5	54	1	0	0.0	0	0	-	-
49	7H2L-6	51	8	6	75.0	333	127	0.38	56
50	7H2L-7	53	15	1	6.7	45	21	0.46	45
51	7H2L-8	50	6	4	66.7	503	269	0.53	126
52	7H2L-10	55	0	0	-	0	0	-	-
53	7H2L-12	56	16	2	12.5	178	70	0.39	89
54	7H2L-13	50	17	12	70.6	1079	519.7	0.48	90
55	7H2L-15	53	17	1	5.9	30	15.9	0.53	30
56	7H2L-16	55	17	8	47.1	545	241	0.44	68
57	7H2L-18	55	17	0	0.0	0	0	-	-
58	7H2L-19	52	17	4	23.5	469	274.6	0.59	117
59	7H2L-21	55	16	9	56.3	1042	375.9	0.36	116
60	7H2L-22	nd	16	6	37.5	131	60	0.46	22
61	7H2L-23	55	16	3	18.8	176	108.5	0.62	59
62	7H2L-24	50	17	15	88.2	1488	533.8	0.36	99
63	7H2L-25	54	17	0	0.0	0	0	-	-
64	7H2L-26	54	16	12	75.0	1050	568	0.54	88
65	7H2L-27	51	17	5	29.4	352	158	0.45	70
66	7H2L-28	54	16	4	25.0	219	83.7	0.38	55
67	7H2L-29	53	16	9	56.3	954	422.7	0.44	106
68	7H2L-30	52	16	11	68.8	1053	492.0	0.47	96
69	7H2L-31	54	20	7	35.0	677	306	0.45	97
70	7H2L-32	52	17	15	88.2	2089	868.2	0.42	139
71	7H2L-33	55	16	0	0.0	0	0	-	-
72	7H2L-35	54	4	4	100.0	554	149	0.27	139
73	7H2L-36	53	16	0	0.0	0	0	-	-
74	7H2L-37	56	17	9	52.9	354	128	0.36	39
75	7H2L-38	54	9	9	100.0	1339	808	0.60	149
76	7H2L-39	54	15	10	66.7	1420	737	0.52	142
77	7H2L-40	51	16	2	12.5	54	28	0.51	27
78	7H2L-41	55	14	3	21.4	132	68	0.52	44
79	7H2L-42	53	0	0	-	0	0	-	-
80	7H2L-43	52	18	11	61.1	1344	612.6	0.46	122
81	7H2L-44	50	22	2	9.1	133	58	0.44	67
82	7H2L-45	56	10	6	60.0	308	166	0.54	51
83	7H2L-46	54	18	0	0.0	0	0	-	-
84	7H2L-48	51	10	7	70.0	638	278	0.44	91
85	7H2L-49	54	5	2	40.0	159	45	0.28	80
86	7H2L-50	54	17	4	23.5	287	121	0.42	72
87	7H2L-53	51	5	0	0.0	0	0	-	-
88	7H2L-55	nd	16	4	25.0	180	96	0.53	45
89	7H2L-56	54	16	15	93.8	2148	924	0.43	143

nd=not determined