

Supplemental data for

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Supplemental Table 1: Mean values of 18 different characters for 30 genotypes of pink brinjal (*Solanum melongena* L.) described in this study. C.V., Coefficient of variance; C.D., Critical difference; S.E. Standard error

S.No.	Genotype	Days to first flowering	Days to first harvest	Plant height (cm)	Number of branches per plant	Plant spread (cm ²)
1	SJPB-22-01	42.00	67.00	66.00	6.00	61.00
2	SJPB-22-02	40.33	69.00	60.33	6.33	74.33
3	SJPB-22-03	41.00	70.00	70.67	6.00	70.33
4	SJPB-22-04	41.00	68.67	67.67	5.33	59.00
5	SJPB-22-05	43.00	70.00	72.00	6.33	74.00
6	SJPB-22-06	42.00	68.33	69.33	6.67	76.00
7	SJPB-22-07	41.33	68.67	69.67	5.00	54.00
8	SJPB-22-08	45.00	69.67	55.33	6.67	78.33
9	SJPB-22-09	38.00	64.67	61.00	6.67	76.33
10	SJPB-22-10	42.00	73.00	50.33	5.67	65.67
11	SJPB-22-11	41.33	71.00	55.00	5.33	58.67
12	SJPB-22-12	41.33	69.67	60.67	4.33	47.00
13	SJPB-22-13	40.00	64.33	64.00	4.67	51.00
14	Jammu Sel-01	39.00	64.33	79.00	4.67	50.33
15	Jammu Sel-02	41.00	69.00	60.00	5.00	53.00
16	Shalimar hybrid-1	40.67	66.00	68.33	7.00	79.33
17	Baramulla Local Sel- 01	37.00	61.33	55.33	7.33	84.00
18	Baramulla Local Sel- 02	37.00	61.67	54.00	6.00	70.00
19	Shalimar Local	39.67	67.67	65.33	6.00	66.33
20	Ganderbal Local Sel	39.33	65.33	71.00	5.67	64.00
21	Long Special	41.00	70.00	59.00	6.00	66.67
22	Kashmiri Long	42.00	65.00	49.33	5.67	60.33

23	Long Kashmiri	42.33	69.00	55.33	6.00	65.67
24	Lal Gulab	38.33	61.33	80.00	7.00	80.33
25	Pink Long	41.00	66.00	50.33	5.67	86.00
26	PPL-1823	40.00	63.00	60.33	5.00	60.00
27	Manjhi	36.00	61.00	77.00	6.67	78.33
28	Pink Raja	37.00	62.33	65.33	7.00	81.33
29	Nisha	41.33	63.00	70.00	7.33	66.00
30	Brinjal No. 704	39.00	69.00	60.00	6.00	68.00
	Overall mean	40.33	66.63	63.38	5.96	67.51
	C.V.	4.03	2.80	3.67	13.36	2.71
	S.E.	0.94	1.07	1.34	0.46	1.05
	C.D. (5%)	2.66	3.05	3.81	1.30	2.99

S.No.	Genotype	Number of fruits per plant	Fruit length (cm)	Fruit diameter (cm)	Fruit weight (g)	Marketable fruit yield per plant (kg)
1	SJPB-22-01	20.67	12.17	3.10	51.67	0.94
2	SJPB-22-02	25.67	12.50	2.67	47.00	1.12
3	SJPB-22-03	25.00	13.83	3.63	62.67	1.36
4	SJPB-22-04	22.33	11.50	3.30	70.33	1.39
5	SJPB-22-05	23.67	10.83	3.70	34.67	0.79
6	SJPB-22-06	27.33	11.00	3.40	141.00	1.33
7	SJPB-22-07	19.33	13.17	4.43	91.33	1.61
8	SJPB-22-08	23.67	13.83	4.17	112.00	1.32
9	SJPB-22-09	26.67	8.83	3.67	60.00	1.33
10	SJPB-22-10	24.67	12.17	3.60	124.67	0.93
11	SJPB-22-11	22.00	15.50	4.10	113.33	1.32
12	SJPB-22-12	14.33	14.50	3.90	63.33	0.80
13	SJPB-22-13	18.33	13.50	4.17	67.67	1.12
14	Jammu Sel-01	17.33	12.83	4.43	102.00	1.58
15	Jammu Sel-02	31.00	12.50	4.33	117.00	2.22
16	Shalimar hybrid-1	28.33	15.50	2.97	78.00	1.97
17	Baramulla Local Sel- 01	30.00	14.50	5.50	79.67	2.00
18	Baramulla Local Sel- 02	28.00	15.17	4.80	76.00	1.80
19	Shalimar Local	24.67	10.83	3.83	78.00	1.75
20	Ganderbal Local Sel	20.33	14.50	3.37	52.33	1.04
21	Long Special	25.00	10.50	3.90	110.00	1.51
22	Kashmiri Long	22.67	12.17	4.90	81.33	1.68
23	Long Kashmiri	24.33	17.50	5.50	148.33	2.04
24	Lal Gulab	30.00	16.50	4.43	115.00	2.15
25	Pink Long	24.67	16.83	5.24	110.33	2.42
26	PPL-1823	24.67	9.50	4.97	50.00	1.09
27	Manjhi	28.33	15.00	4.43	104.67	1.47

28	Pink Raja	29.33	9.00	3.63	69.00	1.78
29	Nisha	31.00	10.00	5.23	70.00	1.42
30	Brinjal No. 704	27.00	14.50	3.20	110.00	1.98
	Overall mean	24.64	13.02	4.08	86.37	1.51
	C.V.	4.21	4.95	4.83	3.61	5.35
	S.E.	0.59	0.37	0.11	1.80	0.04
	C.D. (5%)	1.69	1.05	0.32	5.10	0.13

S.No.	Genotype	Unmarketable fruit yield per plant (kg)	Total fruit yield per plant (kg)	Fruit yield per hectare (q/ha)	Number of seeds per fruit	Germination (%)
1	SJPB-22-01	0.12	1.06	158.02	226.00	83.00
2	SJPB-22-02	0.09	1.21	178.70	229.00	86.67
3	SJPB-22-03	0.20	1.56	232.13	256.67	83.00
4	SJPB-22-04	0.17	1.57	232.68	223.00	84.00
5	SJPB-22-05	0.09	0.89	131.69	218.00	87.00
6	SJPB-22-06	0.51	1.85	274.06	220.00	76.67
7	SJPB-22-07	0.15	1.76	261.61	244.00	85.00
8	SJPB-22-08	0.18	1.50	222.21	290.33	80.00
9	SJPB-22-09	0.06	1.40	207.39	207.33	87.33
10	SJPB-22-10	0.14	1.07	159.49	227.67	79.33
11	SJPB-22-11	0.16	1.49	221.22	288.00	82.00
12	SJPB-22-12	0.11	0.91	134.36	270.67	86.33
13	SJPB-22-13	0.12	1.24	183.79	280.00	86.00
14	Jammu Sel-01	0.18	1.76	262.01	237.00	83.33
15	Jammu Sel-02	0.24	2.45	362.94	231.67	80.00
16	Shalimar hybrid-1	0.23	2.21	327.24	283.00	82.67
17	Baramulla Local Sel-01	0.38	2.39	354.00	266.00	79.00
18	Baramulla Local Sel-02	0.31	2.12	314.06	218.00	73.67
19	Shalimar Local	0.17	1.92	285.27	217.33	83.67
20	Ganderbal Local Sel	0.17	1.22	180.97	262.67	83.67
21	Long Special	0.22	1.74	258.26	220.00	78.33

22	Kashmiri Long	0.16	1.84	273.07	227.00	84.33
23	Long Kashmiri	0.56	2.69	398.99	249.67	77.00
24	Lal Gulab	0.29	2.45	362.94	285.00	82.67
25	Pink Long	0.29	2.72	402.94	275.00	81.33
26	PPL-1823	0.13	1.23	182.21	214.00	82.00
27	Manjhi	0.49	1.97	291.83	277.67	77.33
28	Pink Raja	0.24	2.02	299.73	209.33	82.33
29	Nisha	0.17	1.59	236.53	250.00	85.00
30	Brinjal No. 704	0.22	2.20	325.90	260.00	85.00
	Overall mean	0.22	1.73	257.21	245.46	82.25
	C.V.	16.80	6.59	6.58	0.87	1.86
	S.E.	0.02	0.06	9.77	1.23	0.88
	C.D. (5%)	0.06	0.18	27.66	3.50	2.51

S.No.	Genotype	Seed vigour index	Ascorbic acid content (mg/100g)	Total phenol content (mg/100g)
1	SJPB-22-01	984.00	10.48	1.37
2	SJPB-22-02	1092.67	9.87	1.04
3	SJPB-22-03	951.33	13.33	2.50
4	SJPB-22-04	1006.33	10.38	1.28
5	SJPB-22-05	1102.67	11.12	1.65
6	SJPB-22-06	796.67	11.30	1.62
7	SJPB-22-07	1047.67	9.50	0.96
8	SJPB-22-08	875.33	13.47	2.37
9	SJPB-22-09	1115.67	12.33	2.04
10	SJPB-22-10	868.33	13.54	2.83
11	SJPB-22-11	906.00	13.13	2.43
12	SJPB-22-12	1078.33	12.29	1.91
13	SJPB-22-13	1062.67	10.36	1.47
14	Jammu Sel-01	975.00	7.74	0.74
15	Jammu Sel-02	932.00	12.01	2.21
16	Shalimar hybrid-1	933.00	9.46	0.92
17	Baramulla Local Sel-01	858.67	10.80	1.15
18	Baramulla Local Sel-02	712.00	9.89	1.07
19	Shalimar Local	983.33	8.15	0.86
20	Ganderbal Local Sel	991.00	10.55	1.34
21	Long Special	859.00	12.39	2.21
22	Kashmiri Long	1025.67	8.54	0.88
23	Long Kashmiri	809.00	8.16	0.82
24	Lal Gulab	927.67	10.29	1.48

25	Pink Long	889.33	11.08	1.89
26	PPL-1823	1000.33	12.45	2.25
27	Manjhi	821.67	11.83	1.62
28	Pink Raja	919.67	10.22	1.15
29	Nisha	1050.00	10.94	2.01
30	Brinjal No. 704	1010.00	13.53	2.52
	Overall mean	952.83	10.97	1.61
	C.V.	0.863	4.41	9.71
	S.E.	3.48	0.27	0.09
	C.D. (5%)	9.86	0.79	0.25