

Supplementary Tables

Exploring the spectrum of variability and identifying donor genotypes for drought stress tolerance in brinjal (*Solanum melongena* L.)

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Table S1 : Effect of PEG treatment on germination parameters of brinjal genotypes without prior germination

Sl. No.	Genotype Name	Germination per cent			RL			SL			TSL			GVI			R/S ratio		
		C	-2 bars	-6 bars	C	-2 bars	-6 bars	C	-2 bars	-6 bars	C	-2 bars	-6 bars	C	-2 bars	-6 bars	C	-2 bars	-6 bars
1	<i>Solanum seaforthianum</i>	100.00	0.00	0.00	0.63	0.00	0.00	0.40	0.00	0.00	1.03	0.00	0.00	0.54	0.00	0.00	158.33	0.00	0.00
2	<i>Solanum mammosum</i>	NG																	
3	<i>Solanum gilo</i>	100.00	20.00	0.00	3.33	3.17	0.00	3.10	0.90	0.00	6.43	4.07	0.00	6.43	0.68	0.00	107.53	3.52	0.00
4	<i>Solanum gilo</i> (Selection tomato shaped)	100.00	40.00	0.00	1.23	0.80	0.00	1.17	0.43	0.00	2.40	1.23	0.00	1.26	0.33	0.00	105.71	1.85	0.00
5	<i>Solanum gilo</i> (Selection flat round)	100.00	0.00	0.00	1.57	0.00	0.00	1.37	0.00	0.00	2.93	0.00	0.00	2.26	0.00	0.00	114.63	0.00	0.00
6	<i>Solanum gilo</i> (Selection oval shaped)	NG																	
7	<i>Solanum aethiopicum</i>	100.00	40.00	0.00	3.20	2.37	0.00	4.03	0.53	0.00	7.23	2.90	0.00	5.56	0.89	0.00	79.34	4.44	0.00
8	<i>Solanum macrocarpon</i>	100.00	0.00	0.00	4.20	0.00	0.00	3.90	0.00	0.00	8.10	0.00	0.00	6.23	0.00	0.00	107.69	0.00	0.00
9	<i>Solanum viarum</i>	100.00	0.00	0.00	1.00	0.00	0.00	0.70	0.00	0.00	1.70	0.00	0.00	1.31	0.00	0.00	142.86	0.00	0.00
10	<i>Solanum aciculatissimum</i>	100.00	0.00	0.00	0.67	0.00	0.00	0.50	0.00	0.00	1.17	0.00	0.00	0.90	0.00	0.00	133.33	0.00	0.00
11	<i>Solanum melongena</i>	100.00	0.00	0.00	0.90	0.00	0.00	0.60	0.00	0.00	1.50	0.00	0.00	1.15	0.00	0.00	150.00	0.00	0.00
12	<i>Solanum indicum</i>	NG																	
13	<i>Solanum nigrum</i>	100.00	20.00	0.00	1.10	0.53	0.00	4.20	2.07	0.00	5.30	2.60	0.00	5.30	0.43	0.00	26.19	0.26	0.00
14	<i>Solanum melongena</i> var: <i>insanum</i>	NG																	
15	<i>Solanum incanum</i>	NG																	
16	<i>Solanum torvum</i>	NG																	
17	Arka Neelanchal Shiyama	100.00	0.00	0.00	4.27	0.00	0.00	3.53	0.00	0.00	7.80	0.00	0.00	7.80	0.00	0.00	120.75	0.00	0.00
18	Arka Keshav	100.00	20.00	0.00	1.20	0.40	0.00	1.00	1.30	0.00	2.20	1.70	0.00	1.69	0.31	0.00	120.00	0.31	0.00
19	Arka Kusumakar	100.00	40.00	0.00	4.33	1.27	1.23	4.23	0.40	0.47	8.57	1.67	1.70	6.59	0.44	0.20	102.36	3.17	2.64
20	Arka Unnathi	100.00	40.00	0.00	3.30	0.77	0.00	4.23	0.30	0.00	7.53	1.07	0.00	15.07	0.53	0.00	77.95	2.56	0.00
21	Arka Harshitha	100.00	40.00	0.00	4.23	3.60	0.00	4.60	2.10	0.00	8.83	5.70	0.00	8.83	1.52	0.00	92.03	1.71	0.00
22	Arka Neelkanth	100.00	40.00	0.00	3.20	2.70	0.00	2.33	0.90	0.00	5.53	3.60	0.00	5.53	0.96	0.00	137.14	3.00	0.00
23	Arka Avinash	100.00	60.00	0.00	2.63	2.03	0.00	2.67	1.07	0.00	5.30	3.10	0.00	5.30	1.55	0.00	98.75	1.91	0.00
24	Arka Nidhi	100.00	0.00	0.00	1.07	0.00	0.00	1.20	0.00	0.00	2.27	0.00	0.00	2.27	0.00	0.00	88.89	0.00	0.00
25	Arka Anand	100.00	0.00	0.00	3.37	0.00	0.00	3.83	0.00	0.00	7.20	0.00	0.00	7.20	0.00	0.00	87.83	0.00	0.00
26	Arka Sheel	100.00	0.00	0.00	1.17	0.00	0.00	2.47	0.00	0.00	3.63	0.00	0.00	2.79	0.00	0.00	47.30	0.00	0.00
27	Pusa Kranti	100.00	0.00	0.00	3.20	0.00	0.00	2.37	0.00	0.00	5.57	0.00	0.00	5.57	0.00	0.00	135.21	0.00	0.00
28	Pusa Anupama	100.00	0.00	0.00	1.43	0.00	0.00	0.80	0.00	0.00	2.23	0.00	0.00	2.23	0.00	0.00	179.17	0.00	0.00
29	Pusa Purple Cluster	100.00	60.00	0.00	4.07	3.20	0.00	4.23	0.40	0.00	8.30	3.60	0.00	16.60	2.70	0.00	96.06	8.00	0.00
30	Pusa Purple Long	100.00	0.00	0.00	3.77	0.00	0.00	4.23	0.00	0.00	8.00	0.00	0.00	8.00	0.00	0.00	88.98	0.00	0.00
31	Pusa Hybrid - 6	100.00	100.00	0.00	2.27	2.40	0.00	4.60	0.73	0.00	6.87	3.13	0.00	5.28	1.96	0.00	49.28	3.27	0.00
32	Pusa Hybrid - 9	100.00	0.00	0.00	1.17	0.00	0.00	3.23	0.00	0.00	4.40	0.00	0.00	8.80	0.00	0.00	36.08	0.00	0.00
33	Pusa Bindu	100.00	0.00	0.00	1.10	0.00	0.00	3.63	0.00	0.00	4.73	0.00	0.00	4.73	0.00	0.00	30.28	0.00	0.00
34	Pant Rituraj	100.00	40.00	0.00	3.63	0.77	0.00	1.80	0.20	0.00	5.43	0.97	0.00	5.43	0.28	0.00	201.85	3.83	0.00
35	Pusa Shyamala	100.00	0.00	0.00	1.10	0.00	0.00	2.27	0.00	0.00	3.37	0.00	0.00	6.73	0.00	0.00	48.53	0.00	0.00
36	CARI - I	100.00	0.00	0.00	2.40	0.00	0.00	3.13	0.00	0.00	5.53	0.00	0.00	5.53	0.00	0.00	76.60	0.00	0.00
37	KS - 224	100.00	100.00	40.00	4.03	4.27	0.30	4.20	3.07	0.27	8.23	7.33	0.57	16.47	8.15	0.21	96.03	1.39	1.13
38	KS - 331	100.00	0.00	0.00	3.27	0.00	0.00	2.13	0.00	0.00	5.40	0.00	0.00	5.40	0.00	0.00	153.13	0.00	0.00
39	SM 6-6	100.00	0.00	0.00	0.93	0.00	0.00	0.57	0.00	0.00	1.50	0.00	0.00	1.50	0.00	0.00	164.71	0.00	0.00

Variability and identifying donor for drought stress tolerance in brinjal



40	SM 6-7	100.00	20.00	0.00	3.43	5.10	0.00	2.73	1.63	0.00	6.17	6.73	0.00	6.17	0.00	6.17	0.90	0.00	125.61	3.12	0.00
41	B-BR-54	100.00	0.00	0.00	1.53	0.00	0.00	1.47	0.00	0.00	3.00	0.00	0.00	3.00	0.00	3.00	0.00	0.00	104.55	0.00	0.00
42	CO-2	100.00	60.00	40.00	4.10	5.00	0.33	4.27	1.83	0.33	8.37	6.83	0.67	16.73	4.56	0.27	4.56	0.27	96.09	2.73	1.00
43	Purple Oblong	100.00	20.00	20.00	4.87	0.73	0.40	4.80	0.50	0.33	9.67	1.23	0.73	7.44	0.16	0.09	0.16	0.09	101.39	1.47	1.20
44	Indam Supriya	100.00	20.00	0.00	3.37	2.60	0.00	3.03	2.20	0.00	6.40	4.80	0.00	6.40	0.74	0.00	0.74	0.00	110.99	1.18	0.00
45	Black Beauty	100.00	40.00	20.00	4.30	3.17	0.27	4.20	2.30	0.37	8.50	5.47	0.63	8.50	1.68	0.08	1.68	0.08	102.38	1.38	0.73
46	Black Star	100.00	0.00	0.00	1.17	0.00	0.00	1.00	0.00	0.00	2.17	0.00	0.00	2.17	0.00	0.00	0.00	0.00	116.67	0.00	0.00
47	Kusuma Purple Round	100.00	40.00	0.00	4.07	3.10	0.00	4.30	2.20	0.00	8.37	5.30	0.00	8.37	1.41	0.00	1.41	0.00	94.57	1.41	0.00
48	SKT - Shashi Baigan	100.00	0.00	0.00	3.80	0.00	0.00	3.67	0.00	0.00	7.47	0.00	0.00	7.47	0.00	0.00	0.00	0.00	103.64	0.00	0.00
49	SKT - Shri Baigan	100.00	80.00	20.00	5.33	3.90	3.00	6.20	0.30	0.30	11.53	4.20	3.30	23.07	4.20	0.55	4.20	0.55	86.02	13.00	10.00
50	SKT - Mitra Baigan	100.00	60.00	0.00	5.60	2.20	0.00	5.50	0.80	0.00	11.10	3.00	0.00	11.10	1.20	0.00	1.20	0.00	101.82	2.75	0.00
51	SKT - Rampriya Baigan	100.00	20.00	0.00	5.10	1.63	0.00	5.43	0.50	0.00	10.53	2.13	0.00	10.53	0.33	0.00	0.33	0.00	93.87	3.27	0.00
52	SKT - Savitra Baigan	100.00	0.00	0.00	4.20	0.00	0.00	5.10	0.00	0.00	9.30	0.00	0.00	9.30	0.00	0.00	0.00	0.00	82.35	0.00	0.00
53	Utkal GR	100.00	0.00	0.00	4.23	0.00	0.00	3.30	0.00	0.00	7.53	0.00	0.00	7.53	0.00	0.00	0.00	0.00	128.28	0.00	0.00
54	IHR - 766	100.00	20.00	0.00	3.40	1.30	0.00	4.10	0.43	0.00	7.50	1.73	0.00	7.50	0.22	0.00	0.22	0.00	82.93	3.00	0.00
55	Pusa Ankur	100.00	0.00	0.00	1.00	0.00	0.00	4.10	0.00	0.00	5.10	0.00	0.00	10.20	0.00	0.00	0.00	0.00	24.39	0.00	0.00
56	Very Green Long	100.00	0.00	0.00	1.70	0.00	0.00	3.23	0.00	0.00	4.93	0.00	0.00	3.79	0.00	0.00	0.00	0.00	52.58	0.00	0.00
57	Pusa Sadabahar	100.00	0.00	0.00	1.30	0.00	0.00	3.10	0.00	0.00	4.40	0.00	0.00	8.80	0.00	0.00	0.00	0.00	41.94	0.00	0.00
58	Sharpoza Bottle Brinjal	100.00	0.00	0.00	4.27	0.00	0.00	4.33	0.00	0.00	8.60	0.00	0.00	6.62	0.00	0.00	0.00	0.00	98.46	0.00	0.00
59	Goa Brinjal - 1	100.00	0.00	0.00	1.30	0.00	0.00	3.63	0.00	0.00	4.93	0.00	0.00	2.60	0.00	0.00	0.00	0.00	35.78	0.00	0.00
60	Goa Brinjal - 2	100.00	0.00	0.00	3.10	0.00	0.00	3.53	0.00	0.00	6.63	0.00	0.00	4.15	0.00	0.00	0.00	0.00	87.74	0.00	0.00
61	Goa Brinjal - 3	100.00	0.00	0.00	0.47	0.00	0.00	0.43	0.00	0.00	0.90	0.00	0.00	0.69	0.00	0.00	0.00	0.00	107.69	0.00	0.00
62	IHR - 3	100.00	0.00	0.00	0.90	0.00	0.00	0.40	0.00	0.00	1.30	0.00	0.00	1.00	0.00	0.00	0.00	0.00	225.00	0.00	0.00
63	IIHR - 586	100.00	80.00	0.00	4.23	3.63	0.00	3.97	3.37	0.00	8.20	7.00	0.00	8.20	4.31	0.00	4.31	0.00	106.72	1.08	0.00
64	BPLH - 1	100.00	0.00	0.00	2.50	0.00	0.00	3.47	0.00	0.00	5.97	0.00	0.00	4.59	0.00	0.00	0.00	0.00	72.12	0.00	0.00
65	Indian Safed	100.00	20.00	0.00	3.30	3.17	2.30	4.00	2.10	0.00	7.30	5.27	2.30	14.60	0.70	0.00	0.70	0.00	82.50	1.51	0.00
66	WCCGR (west coast green round)	100.00	0.00	0.00	2.20	0.00	0.00	3.60	0.00	0.00	5.80	0.00	0.00	4.46	0.00	0.00	0.00	0.00	61.11	0.00	0.00
67	Green Long with Patches	100.00	60.00	0.00	3.40	2.60	0.00	4.10	2.20	0.00	7.50	4.80	0.00	5.77	1.60	0.00	1.60	0.00	82.93	1.18	0.00
68	Niranjani Bhata	100.00	100.00	20.00	4.10	4.07	3.40	5.30	4.53	1.90	9.40	8.60	5.30	18.80	12.29	0.96	0.96	0.96	77.36	0.90	1.79
69	IHR - 766 - A	100.00	60.00	0.00	3.47	2.30	0.00	4.07	3.30	0.00	7.53	5.60	0.00	4.71	1.53	0.00	1.53	0.00	85.25	0.70	0.00
70	Hebbare Local	100.00	0.00	0.00	0.63	0.00	0.00	3.43	0.00	0.00	4.07	0.00	0.00	2.14	0.00	0.00	0.00	0.00	18.45	0.00	0.00
71	Rampur Local	100.00	20.00	0.00	3.10	3.63	0.00	4.03	2.67	0.00	7.13	6.30	0.00	4.46	0.50	0.00	0.50	0.00	76.86	1.36	0.00
72	Polur Local	100.00	0.00	0.00	1.03	0.00	0.00	1.13	0.00	0.00	2.17	0.00	0.00	4.33	0.00	0.00	0.00	0.00	91.18	0.00	0.00
73	Rayadurga Local	100.00	20.00	0.00	3.17	2.33	0.00	3.87	2.77	0.00	7.03	5.10	0.00	7.03	0.64	0.00	0.64	0.00	81.90	0.84	0.00
74	Bethapudi Local	100.00	20.00	0.00	3.60	2.77	0.00	3.53	1.00	0.00	7.13	3.77	0.00	7.13	0.50	0.00	0.50	0.00	101.89	2.77	0.00
75	Goa Local Aggarion	100.00	40.00	0.00	2.53	2.27	0.00	1.87	0.73	0.00	4.40	3.00	0.00	4.40	0.75	0.00	0.75	0.00	135.71	3.09	0.00
76	Andaman - 1	100.00	0.00	0.00	2.67	0.00	0.00	1.47	0.00	0.00	4.13	0.00	0.00	3.18	0.00	0.00	0.00	0.00	181.82	0.00	0.00
77	Sarparam Vanga	100.00	0.00	0.00	1.43	0.00	0.00	1.77	0.00	0.00	3.20	0.00	0.00	3.20	0.00	0.00	0.00	0.00	81.13	0.00	0.00
78	Rayadurg Badhane	100.00	0.00	0.00	0.83	0.00	0.00	1.63	0.00	0.00	2.47	0.00	0.00	1.30	0.00	0.00	0.00	0.00	51.02	0.00	0.00
79	Mattu Gulla Oblong	100.00	80.00	0.00	3.33	0.83	0.00	3.43	0.70	0.00	6.77	1.53	0.00	6.77	0.94	0.00	0.94	0.00	97.09	1.19	0.00
80	Mattu Gulla Round	100.00	80.00	0.00	4.10	2.10	0.00	4.07	4.30	0.00	8.17	6.40	0.00	8.17	3.94	0.00	3.94	0.00	100.82	0.49	0.00
81	Poluru Vanga	100.00	40.00	20.00	3.40	2.37	1.13	3.07	2.37	0.40	6.47	4.73	1.53	21.56	4.73	0.61	4.73	0.61	110.87	1.00	2.83
82	Brinjal Dommeru Vanga	100.00	20.00	0.00	3.13	3.80	0.00	3.53	3.33	0.00	6.67	7.13	0.00	6.67	0.89	0.00	0.89	0.00	88.68	1.14	0.00

83	Brinjal Bhagyamathi	100.00	40.00	20.00	3.80	3.63	0.63	4.20	2.90	0.33	8.00	6.53	0.97	20.00	4.36	0.32	90.48	1.25	1.90
84	Pemada Brinjal	100.00	0.00	0.00	1.63	0.00	0.00	2.03	0.00	0.00	3.67	0.00	0.00	2.82	0.00	0.00	80.33	0.00	0.00
85	Brinjal Manapparai	100.00	0.00	0.00	2.30	0.00	0.00	2.53	0.00	0.00	4.83	0.00	0.00	4.83	0.00	0.00	90.79	0.00	0.00
86	Polur Local-1	100.00	0.00	0.00	3.57	0.00	0.00	3.73	0.00	0.00	7.30	0.00	0.00	5.21	0.00	0.00	95.54	0.00	0.00
87	Prasad Seed	100.00	100.00	20.00	5.13	4.43	0.40	4.80	4.10	0.43	9.93	8.53	0.83	9.93	5.69	0.09	106.94	1.08	0.92
88	Vellai Kathari	100.00	0.00	0.00	1.63	0.00	0.00	3.63	0.00	0.00	5.27	0.00	0.00	4.05	0.00	0.00	44.95	0.00	0.00
89	Green Round Brinjal	100.00	0.00	0.00	1.63	0.00	0.00	4.30	0.00	0.00	5.93	0.00	0.00	5.93	0.00	0.00	37.98	0.00	0.00
90	Manapparai Brinjal	NG																	
91	Pachai Green Type	100.00	0.00	0.00	1.27	0.00	0.00	2.00	0.00	0.00	3.27	0.00	0.00	3.27	0.00	0.00	63.33	0.00	0.00
92	Mathugalla Brinjal	100.00	80.00	0.00	3.93	2.70	0.00	2.60	3.57	0.00	6.53	6.27	0.00	5.94	3.34	0.00	151.28	0.76	0.00
93	Surya	100.00	60.00	0.00	3.30	1.43	0.00	4.17	0.80	0.00	7.47	2.23	0.00	8.30	0.84	0.00	79.20	1.79	0.00
94	Uttara	100.00	0.00	0.00	3.00	0.00	0.00	3.10	0.00	0.00	6.10	0.00	0.00	8.71	0.00	0.00	96.77	0.00	0.00
95	Utkal GR-1	100.00	0.00	0.00	2.10	0.00	0.00	3.27	0.00	0.00	5.37	0.00	0.00	5.96	0.00	0.00	64.29	0.00	0.00
96	Utkal Anushree	100.00	100.00	0.00	4.83	4.30	0.00	3.13	1.70	0.00	7.97	6.00	0.00	8.85	3.75	0.00	154.26	2.53	0.00
97	<i>Solanum erianthum</i>	NG																	
98	<i>Solanum capricoider</i>	NG																	
99	<i>Solanum gilo Aizwal</i>	NG																	
100	<i>Solanum sisimilifolium</i>	NG																	
101	Chigorni	100.00	0.00	0.00	1.20	0.00	0.00	2.47	0.00	0.00	3.67	0.00	0.00	2.82	0.00	0.00	48.65	0.00	0.00
102	Swarna abhilash	100.00	0.00	0.00	1.00	0.00	0.00	1.43	0.00	0.00	2.43	0.00	0.00	2.43	0.00	0.00	69.77	0.00	0.00
103	Potokota	100.00	0.00	0.00	2.17	0.00	0.00	1.70	0.00	0.00	3.87	0.00	0.00	3.87	0.00	0.00	127.45	0.00	0.00
104	Kanta Baigan	100.00	0.00	0.00	3.60	0.00	0.00	2.80	0.00	0.00	6.40	0.00	0.00	6.40	0.00	0.00	128.57	0.00	0.00
105	Panyab Barsati	100.00	0.00	0.00	3.73	0.00	0.00	3.30	0.00	0.00	7.03	0.00	0.00	7.81	0.00	0.00	113.13	0.00	0.00
106	Swarna Prathibha	100.00	0.00	0.00	2.13	0.00	0.00	2.30	0.00	0.00	4.43	0.00	0.00	4.93	0.00	0.00	92.75	0.00	0.00
107	Pusa Uttam	NG																	
108	Kalpatharu	NG																	
109	Kashi Prakash	100.00	0.00	0.00	2.07	0.00	0.00	1.93	0.00	0.00	4.00	0.00	0.00	5.71	0.00	0.00	106.90	0.00	0.00
110	B6 Local	100.00	0.00	0.00	2.53	0.00	0.00	2.33	0.00	0.00	4.87	0.00	0.00	3.74	0.00	0.00	108.57	0.00	0.00
111	Azad Kranti	NG																	
112	Swarna Shakti	100.00	0.00	0.00	3.63	0.00	0.00	3.33	0.00	0.00	6.97	0.00	0.00	13.93	0.00	0.00	109.00	0.00	0.00
113	Bhagyamati	100.00	0.00	0.00	3.63	0.00	0.00	3.60	0.00	0.00	7.23	0.00	0.00	8.04	0.00	0.00	100.93	0.00	0.00
114	Gulabi	100.00	0.00	0.00	3.70	0.00	0.00	2.97	0.00	0.00	6.67	0.00	0.00	7.41	0.00	0.00	124.72	0.00	0.00
115	BB 55	100.00	0.00	0.00	1.83	0.00	0.00	2.70	0.00	0.00	4.53	0.00	0.00	6.48	0.00	0.00	67.90	0.00	0.00
116	Nellore Local	100.00	0.00	0.00	3.57	0.00	0.00	4.07	0.00	0.00	7.63	0.00	0.00	15.27	0.00	0.00	87.70	0.00	0.00
117	Kodihalli Local	100.00	0.00	0.00	3.23	0.00	0.00	3.57	0.00	0.00	6.80	0.00	0.00	9.71	0.00	0.00	90.65	0.00	0.00
118	Swarna Shree	NG																	
119	Shyamala	100.00	0.00	0.00	3.53	0.00	0.00	3.53	0.00	0.00	7.07	0.00	0.00	10.10	0.00	0.00	100.00	0.00	0.00
120	Swarna Ajay	NG																	
121	Utkal Jyothi	NG																	
122	Mattu Gulla	100.00	0.00	0.00	3.53	0.00	0.00	3.47	0.00	0.00	7.00	0.00	0.00	10.00	0.00	0.00	101.92	0.00	0.00

