

Supplementary Paper

**Identification of resistant sources for phomopsis fruit rot in brinjal
(*Solanum melongena* L.)**

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Supplementary Table 1: Phomopsis fruit rot disease severity and progress in screened eggplant genotypes

Sl. No.	Genotype	PDI (%)				AUDPC
		6 DAI	8 DAI	10 DAI	12 DAI	
1	IC-111037	0.00	13.33	13.33	33.33	86.67
2	IC-1601418	0.00	0.00	6.67	53.33	66.67
3	EC-379246	0.00	20.00	33.33	46.67	153.33
4	IC-332514	0.00	20.00	53.33	80.00	226.67
5	IC-362399	0.00	26.67	93.33	100.00	340.00
6	IC-362386	20.00	46.67	66.67	66.67	313.33
7	Arka Harshita	13.33	46.67	80.00	100.00	366.67
8	IC-112741	0.00	20.00	26.67	46.67	140.00
9	IC-201132	0.00	13.33	26.67	33.33	113.33
10	IC-265644	0.00	33.33	46.67	73.33	233.33
11	EC-378820	0.00	0.00	13.33	20.00	46.67
12	IC-111037	26.67	40.00	46.67	46.67	246.67
13	IC-136321	13.33	40.00	40.00	46.67	220.00
14	IC-362390	26.67	46.67	60.00	73.33	313.33
15	IC-362397	13.33	26.67	40.00	53.33	200.00
16	IC-90980	40.00	40.00	46.67	73.33	286.67
17	EC-467271	0.00	13.33	26.67	33.33	113.33
18	EC-379246	0.00	13.33	13.33	26.67	80.00
19	IC-332503	20.00	33.33	46.67	53.33	233.33
20	IC-144013	6.67	20.00	40.00	46.67	173.33
21	IC-0090137	13.33	20.00	26.67	46.67	153.33
22	IC-0603202	6.67	20.00	33.33	66.67	180.00
23	EC-383343	33.33	73.33	86.67	100.00	453.33
24	IC-0089814	13.33	33.33	40.00	33.33	193.33
25	IC-111323	6.67	6.67	26.67	40.00	113.33
26	IC-332503	40.00	60.00	73.33	80.00	386.67
27	IC-137761	40.00	53.33	80.00	86.67	393.33
28	EC-316273	26.67	66.67	93.33	93.33	440.00
29	IC-422583	0.00	20.00	26.67	46.67	140.00



30	IC-361841	0.00	20.00	53.33	60.00	206.67
31	IC-332514	6.67	33.33	46.67	66.67	233.33
32	IC-137681	13.33	33.33	60.00	73.33	273.33
33	IC-0090150	6.67	20.00	46.67	60.00	200.00
34	IC-422582	13.33	26.67	46.67	53.33	213.33
35	IC-345327	13.33	20.00	60.00	73.33	246.67
36	EC-383348	0.00	6.67	26.67	33.33	100.00
37	IC-0099735	0.00	20.00	20.00	26.67	106.67
38	IC-113016	0.00	13.33	26.67	40.00	120.00
39	EC-316285	0.00	20.00	33.33	53.33	160.00
40	EC-396466	6.67	6.67	20.00	66.67	126.67
41	IC-111308	0.00	20.00	33.33	53.33	160.00
42	IC-99747	0.00	13.33	20.00	26.67	93.33
43	IC-422586	0.00	6.67	20.00	33.33	86.67
44	IC-112741	0.00	6.67	6.67	20.00	46.67
45	Arka Neelakanth	0.00	0.00	6.67	26.67	40.00
46	IC-0090087	0.00	0.00	6.67	13.33	26.67
47	IC-0099750	0.00	20.00	20.00	60.00	140.00
48	IC-422570	0.00	0.00	13.33	20.00	46.67
49	Oblong Light Purple	0.00	6.67	26.67	53.33	120.00
50	Oblong Dark Purple	0.00	20.00	20.00	20.00	100.00
51	Barshah	26.67	33.33	46.67	53.33	240.00
52	2 BMG	20.00	20.00	20.00	26.67	126.67
53	Muktakeshi	6.67	20.00	20.00	33.33	120.00
54	MAHY 9	0.00	20.00	46.67	66.67	200.00
55	Lalith	0.00	20.00	26.67	86.67	180.00
56	BBB	0.00	20.00	33.33	66.67	173.33
57	<i>Solanum aethiopicum</i>	0.00	4.44	13.33	13.33	48.89
58	Dhruva	6.67	20.00	33.33	66.67	180.00
59	POBL	13.33	26.67	26.67	33.33	153.33
60	Rosa	0.00	20.00	46.67	20.00	153.33
61	<i>Solanum viarum</i>	0.00	6.67	6.67	6.67	33.33
62	IIVR Kavya	6.67	20.00	26.67	33.33	133.33
63	DBL-24	20.00	33.33	33.33	40.00	193.33
64	RCMBL-49	6.67	6.67	20.00	26.67	86.67
65	PR 5	13.33	20.00	26.67	33.33	140.00
66	IC-111073	20.00	33.33	40.00	46.67	213.33
67	CH-215	26.67	33.33	66.67	66.67	293.33
68	CHBR-1	26.67	60.00	93.33	100.00	433.33
69	EG-01-03-02	6.67	20.00	33.33	60.00	173.33
70	JB 8	13.33	20.00	40.00	46.67	180.00
71	SEPO 40	26.67	46.67	46.67	53.33	266.67
72	DBR-8	20.00	60.00	73.33	80.00	366.67
73	Pant Rituraj	6.67	6.67	20.00	20.00	80.00

74	CH-1045	6.67	20.00	20.00	40.00	126.67
75	Bijapur Local	0.00	13.33	13.33	40.00	93.33
76	BSS-79	0.00	13.33	20.00	60.00	126.67
77	Uttara	0.00	0.00	20.00	26.67	66.67
78	JB-7	0.00	0.00	0.00	6.67	6.67
79	SM6-6	0.00	6.67	6.67	20.00	46.67
80	Arka Keshav	0.00	13.33	26.67	33.33	113.33
81	Pusa Bhairav	13.33	33.33	33.33	46.67	193.33
82	<i>Solanum torvum</i>	0.00	0.00	0.00	0.00	0.00
83	<i>Solanum indicum</i>	0.00	0.00	0.00	6.67	6.67
84	IC-0089846	0.00	0.00	0.00	13.33	13.33
85	Arka Avinash	0.00	0.00	13.33	26.67	53.33
86	Arka Nidhi	0.00	13.33	13.33	20.00	73.33
87	BR 112	13.33	20.00	20.00	33.33	126.67
88	Pusa Kranthi	6.67	20.00	26.67	40.00	140.00
89	VMG 6	13.33	26.67	53.33	66.67	240.00
90	Ankur	0.00	13.33	53.33	60.00	193.33
91	SM 6-6	13.33	40.00	40.00	60.00	233.33
92	IC-0090130	0.00	13.33	20.00	33.33	100.00
93	MEBH 39	0.00	20.00	33.33	46.67	153.33
94	438-2	0.00	20.00	33.33	40.00	146.67
95	S 228	0.00	6.67	26.67	33.33	100.00
96	Lalith	0.00	20.00	33.33	40.00	146.67
97	Very Long Green	0.00	20.00	33.33	40.00	146.67
98	MAHY 10	0.00	13.33	26.67	33.33	113.33
99	Black Beauty	0.00	0.00	20.00	33.33	73.33
100	KS 224	0.00	13.33	20.00	26.67	93.33
101	586	0.00	13.33	26.67	33.33	113.33
102	PPL	6.67	13.33	33.33	53.33	153.33
103	IIHR-629	0.00	0.00	4.44	6.67	15.56
104	IC-0602922	6.67	20.00	26.67	40.00	140.00
105	EC-0293825	0.00	0.00	0.00	13.33	13.33
106	IC-0602924	26.67	40.00	66.67	73.33	313.33
107	IC-0112357	20.00	26.67	60.00	66.67	260.00
108	IC-0602921	20.00	33.33	60.00	66.67	273.33
109	IC-0090878	6.67	6.67	6.67	20.00	53.33
110	IC-0090880	0.00	6.67	6.67	13.33	40.00
111	IC-0111076	20.00	46.67	60.00	66.67	300.00
112	IC-0090883	20.00	40.00	60.00	60.00	280.00
113	IC-0510499	20.00	50.00	50.00	70.00	290.00
114	BBR-54	0.00	40.00	73.33	93.33	320.00

PDI: per cent disease index, DAI: days after inoculation, AUDPC: area under disease progress curve, Factor A: genotypes, Factor B: days interval

Factors	C.D.	SE(d)	SE(m)
Factor (A)	0.742	0.378	0.267
Factor (B)	0.139	0.071	0.05
Factor (A X B)	1.484	0.756	0.534

