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Supplementary data

Supplementary Table 1. Percent disease index (PDI) at 30, 45, 60 and 75 DAS, area under disease progression curve (AUDPD), relative AUDPC (rAUDPC), *r*-value and disease reaction for 143 red gram genotypes evaluated against Fusarium wilt

Sl. No.	Genotypes	PDI (%) DAS				AUDPD	rAUDPC	<i>r</i> -value	Disease reaction
		30	45	60	75				
1	PAU 881	8.80	20.68	37.84	44.00	1273.8	28.31	0.046603	S
2	AL 2324	4.96	11.66	21.33	24.80	717.96	15.95	0.040969	MR
3	PusaArhar 21-1	4.76	11.19	20.47	23.80	689.01	15.31	0.040722	MR
4	PusaArhar 21-61	8.92	20.97	38.36	44.61	1291.46	28.70	0.046817	S
5	PusaArhar 21-57	6.80	15.98	29.24	34.00	984.3	21.87	0.043434	S
6	PusaArhar 21-60	0.60	1.41	2.58	3.00	86.85	1.93	0.036308	R
7	ICP 8863	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
8	ICP 2376	15.60	36.66	67.08	78.00	2258.1	50.18	0.065644	HS
9	PUSA 992	9.04	21.24	38.87	45.20	1308.54	29.08	0.047026	S
10	PA 291	10.00	23.50	43.00	50.00	1447.5	32.17	0.048827	S
11	UPAS 120	11.84	27.82	50.91	59.20	1713.84	38.09	0.052887	HS
12	PA 662	9.60	22.56	41.28	48.00	1389.6	30.88	0.048054	S
13	PA 663	11.60	27.26	49.88	58.00	1679.1	37.31	0.052303	HS
14	PA 669	14.26	33.51	61.32	71.30	2064.135	45.87	0.060086	HS
15	NAM 88	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
16	AL 2250	10.40	24.44	44.72	52.00	1505.4	33.45	0.049635	HS
17	AL 2276-1	8.20	19.27	35.26	41.00	1186.95	26.38	0.045589	S
18	PusaArhar 21-45	13.60	31.96	58.48	68.00	1968.6	43.75	0.057838	HS
19	PusaArhar 21-14	7.16	16.83	30.79	35.80	1036.41	23.03	0.043962	S
20	PusaArhar 21-24	9.32	21.90	40.08	46.60	1349.07	29.98	0.047533	S
21	PusaArhar 21-27	5.60	13.16	24.08	28.00	810.6	18.01	0.041785	MR

22	PusaArhar 21-29	3.70	8.70	15.91	18.50	535.575	11.90	0.039473	MR
23	CRG 16-01	4.92	11.56	21.16	24.60	712.17	15.83	0.040919	MR
24	TJT 501	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
25	PT 0012	3.26	7.66	14.02	16.30	471.885	10.49	0.038983	MR
26	BDN 711	3.00	7.05	12.90	15.00	434.25	9.65	0.0387	MR
27	PA 676	12.80	30.08	55.04	64.00	1852.8	41.17	0.055425	HS
28	PA 656	8.54	20.07	36.72	42.70	1236.165	27.47	0.046156	S
29	BDN 2019-5	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
30	BDN 2019-9	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
31	PT 12-19-2	2.18	5.12	9.37	10.90	315.555	7.01	0.03784	MR
32	WRGE 134	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
33	ICPDL 17103	1.82	4.27	7.81	9.08	262.866	5.84	0.037473	R
34	AKTE 16-12	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
35	AKTE 1905	2.60	6.11	11.18	13.00	376.35	8.36	0.038275	MR
36	SKNP 1710	12.00	28.20	51.60	60.00	1737	38.60	0.053287	HS
37	LRG 467	4.70	11.05	20.21	23.50	680.325	15.12	0.040648	MR
38	PT 11-4-4-1	2.00	4.70	8.60	10.00	289.5	6.43	0.037658	R
39	BDN 716	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
40	JKN 189	1.62	3.81	6.97	8.10	234.495	5.21	0.037279	R
41	RVKT 383	3.00	7.05	12.90	15.00	434.25	9.65	0.0387	MR
42	NAM 92	3.14	7.37	13.48	15.68	453.936	10.09	0.038847	MR
43	NAM 151	0.82	1.93	3.53	4.10	118.695	2.64	0.036513	R
44	BDN 2013-5	3.24	7.61	13.93	16.20	468.99	10.42	0.038961	MR
45	BDN 2019-34	1.30	3.06	5.59	6.50	188.175	4.18	0.036968	R
46	RVSA 2020-6	2.14	5.03	9.20	10.70	309.765	6.88	0.037799	MR
47	RVSA 2020-7	4.70	11.05	20.21	23.50	680.325	15.12	0.040648	MR
48	RVSA 2020-8	4.02	9.45	17.29	20.10	581.895	12.93	0.03984	MR
49	LRG 224	3.20	7.52	13.76	16.00	463.2	10.29	0.038917	MR
50	LRG 275	4.74	11.14	20.38	23.70	686.115	15.25	0.040697	MR
51	AKTM 1914	1.22	2.87	5.25	6.10	176.595	3.92	0.036891	R
52	AKTM 1917	2.04	4.79	8.77	10.20	295.29	6.56	0.037698	MR
53	PT 12-5-5-1	0.98	2.30	4.21	4.90	141.855	3.15	0.036663	R
54	GJP 2008	3.68	8.65	15.82	18.40	532.68	11.84	0.039451	MR
55	SKNP 1715	1.22	2.87	5.25	6.10	176.595	3.92	0.036891	R
56	BAUPP 16-38	2.00	4.70	8.60	10.00	289.5	6.43	0.037658	R
57	BAUPP 18-7	0.82	1.93	3.53	4.10	118.695	2.64	0.036513	R
58	WRG 391	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
59	WRG 390	4.24	9.96	18.23	21.20	613.74	13.64	0.040097	MR
60	RKPV 821-01	4.82	11.33	20.73	24.10	697.695	15.50	0.040795	MR
61	RKPV 810-01	6.98	16.40	30.01	34.90	1010.355	22.45	0.043696	S
62	CRG 18-007	9.00	21.15	38.70	45.00	1302.75	28.95	0.046955	S

63	NPD 18-03	4.80	11.28	20.64	24.00	694.8	15.44	0.040771	MR
64	LRG 471	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
65	KA 19-05	5.86	13.77	25.20	29.30	848.235	18.85	0.042128	MR
66	PUSA-198	8.40	19.74	36.12	42.00	1215.9	27.02	0.045921	S
67	PUSA-199	10.82	25.43	46.53	54.10	1566.195	34.80	0.050525	HS
68	IPAL 20-11	2.40	5.64	10.32	12.00	347.4	7.72	0.038066	MR
69	IPAL 20-24	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
70	AH 1713	9.60	22.56	41.28	48.00	1389.6	30.88	0.048054	S
71	Pusa 2020-2	10.40	24.44	44.72	52.00	1505.4	33.45	0.049635	HS
72	PA 650	14.23	33.45	61.20	71.16	2060.082	45.78	0.059985	HS
73	IPAE 15-08	11.52	27.06	49.52	57.58	1666.941	37.04	0.052103	HS
74	RVKT 333	13.47	31.65	57.90	67.33	1949.204	43.32	0.057412	HS
75	IPAE 15-05	13.81	32.45	59.37	69.04	1998.708	44.42	0.058518	HS
76	CRG 16-12	10.94	25.71	47.04	54.70	1583.565	35.19	0.050788	HS
77	PT 2017-1	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
78	RVSA 14-2	3.30	7.76	14.19	16.50	477.675	10.62	0.039027	MR
79	WRGE 138	3.60	8.46	15.48	18.00	521.1	11.58	0.039361	MR
80	PT 2017-2	2.40	5.64	10.32	12.00	347.4	7.72	0.038066	MR
81	WRGE 124	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
82	PT 10-1-1-2	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
83	BDN 2013-2	1.24	2.91	5.33	6.20	179.49	3.99	0.03691	R
84	PT 11-16	1.70	4.00	7.31	8.50	246.075	5.47	0.037358	R
85	GRG 622	1.66	3.90	7.14	8.30	240.285	5.34	0.037319	R
86	GJP 1915	1.64	3.85	7.05	8.20	237.39	5.28	0.037299	R
87	AKTM 1637	1.50	3.53	6.45	7.50	217.125	4.83	0.037162	R
88	IPA 19-26	1.04	2.44	4.47	5.20	150.54	3.35	0.03672	R
89	PUSA 197	3.30	7.76	14.19	16.50	477.675	10.62	0.039027	MR
90	MAL 53	3.10	7.29	13.33	15.50	448.725	9.97	0.038808	MR
91	IPA 15-21	4.60	10.81	19.78	23.00	665.85	14.80	0.040527	MR
92	IPA 19-43	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
93	IPA 19-6	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
94	IPA 14-6	2.84	6.67	12.21	14.20	411.09	9.14	0.038528	MR
95	IPA 18-8	2.00	4.70	8.60	10.00	289.5	6.43	0.037658	R
96	IPA 11-45	2.30	5.41	9.89	11.50	332.925	7.40	0.037963	MR
97	IPA 14-2	0.80	1.88	3.44	4.00	115.8	2.57	0.036494	R
98	IPA 15-1	2.46	5.78	10.58	12.30	356.085	7.91	0.038128	MR
99	IPA 19-42	12.53	29.44	53.87	62.64	1813.428	40.30	0.05467	HS
100	IPA 16-18	3.70	8.70	15.91	18.50	535.575	11.90	0.039473	MR
101	IPA 18-33	14.47	34.01	62.24	72.37	2095.112	46.56	0.060875	HS
102	IPA 18-4	9.20	21.62	39.56	46.00	1331.7	29.59	0.047314	S
103	IPA 15-19	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
104	IPA 7-2	7.24	17.01	31.13	36.20	1047.99	23.29	0.044082	S

105	IPA 13-1	0.54	1.27	2.32	2.70	78.165	1.74	0.036253	R
106	GTH 1	2.32	5.45	9.98	11.60	335.82	7.46	0.037984	MR
107	SKNPCH 1906	3.08	7.24	13.24	15.40	445.83	9.91	0.038786	MR
108	WRG 65	2.86	6.72	12.30	14.30	413.985	9.20	0.03855	MR
109	PAH 16	2.32	5.45	9.98	11.60	335.82	7.46	0.037984	MR
110	PAH 17	3.08	7.24	13.24	15.40	445.83	9.91	0.038786	MR
111	PAH 5	2.32	5.45	9.98	11.60	335.82	7.46	0.037984	MR
112	PAH 10	3.08	7.25	13.26	15.42	446.409	9.92	0.038791	MR
113	WRG 1	2.50	5.88	10.75	12.50	361.9908	8.04	0.038171	MR
114	MAL 13	2.98	7.00	12.81	14.90	431.355	9.59	0.038678	MR
115	MAL 57	2.16	5.08	9.29	10.80	312.66	6.95	0.03782	MR
116	MA 6	9.00	21.15	38.70	45.00	1302.75	28.95	0.046955	S
117	BRG 1	3.92	9.21	16.86	19.60	567.42	12.61	0.039725	MR
118	BRG 2	2.12	4.98	9.12	10.60	306.87	6.82	0.037779	MR
119	BRG 3	5.56	13.07	23.91	27.80	804.81	17.88	0.041733	MR
120	BRG 4	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
121	BRG 5164	1.42	3.34	6.11	7.10	205.545	4.57	0.037084	R
122	BSMR 203	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
123	BSMR 175	4.06	9.54	17.46	20.30	587.685	13.06	0.039886	MR
124	BSMR 164	2.16	5.08	9.29	10.80	312.66	6.95	0.03782	MR
125	BSMR 79	2.28	5.36	9.80	11.40	330.03	7.33	0.037942	MR
126	BSMR 736	1.32	3.10	5.68	6.60	191.07	4.25	0.036987	R
127	BWR 243	0.40	0.94	1.72	2.00	57.9	1.29	0.036125	R
128	BWR 853	0.62	1.46	2.67	3.10	89.745	1.99	0.036327	R
129	BSMR 26	3.46	8.13	14.88	17.30	500.835	11.13	0.039204	MR
130	BWR 254	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
131	BWR 553	0.80	1.88	3.44	4.00	115.8	2.57	0.036494	R
132	BWR 571	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
133	BWR 316	0.84	1.97	3.61	4.20	121.59	2.70	0.036531	R
134	BSMR 2	1.34	3.15	5.76	6.70	193.965	4.31	0.037007	R
135	BSMR 65	1.20	2.82	5.16	6.00	173.7	3.86	0.036872	R
136	BSMR 1	0.90	2.12	3.87	4.50	130.275	2.90	0.036588	R
137	BSMR 339	0.80	1.88	3.44	4.00	115.8	2.57	0.036494	R
138	BWR 23	1.00	2.35	4.30	5.00	144.75	3.22	0.036682	R
139	BWR 164	1.60	3.76	6.88	8.00	231.6	5.15	0.03726	R
140	BWR 254	2.40	5.64	10.32	12.00	347.4	7.72	0.038066	MR
141	BWR 153	1.24	2.91	5.33	6.20	179.49	3.99	0.03691	R
142	BWR 134	3.24	7.61	13.93	16.20	468.99	10.42	0.038961	MR
143	BWR 133	0.44	1.03	1.89	2.20	63.69	1.42	0.036162	R