

Supplementary Table 1. Field evaluation of rice blast disease in the border regions of North Korea in South Korea, utilizing monogenic resistance lines

No.	Cultivar/line	Disease severity (0–9) ^a									R gene
		Suwon			Jeonju			Cheorwon			
		'18	'19	'20	'18	'19	'20	'18	'19	'20	
1	IRBLa-A	7	8	8	7	9	9	6	4	9	<i>Pia</i>
2	IRBLi-F5	7	7	6	7	9	9	7	3	8	<i>Pij</i>
3	IRBLks-F5	6	7	2	5	7	8	8	3	9	<i>Pik-s</i>
4	IRBLks-S	5	5	4	5	4	8	7	2	9	<i>Pik-s</i>
5	IRBLk-Ka	9	5	8	7	9	9	4	2	5	<i>Pik</i>
6	IRBLkp-K60	4	0	7	5	4	9	3	2	7	<i>Pik-p</i>
7	IRBLkh-K3	6	2	2	3	2	8	4	2	7	<i>Pik-h</i>
8	IRBLz-Fu	9	8	8	9	9	9	8	5	9	<i>Piz</i>
9	IRBLz5-CA	1	3	3	1	1	4	3	3	7	<i>Piz-5</i>
10	IRBLzt-T	3	1	4	2	2	4	0	3	6	<i>Piz-t</i>
11	IRBLta-K1	7	1	1	5	2	6	-	3	7	<i>Pita</i>
12	IRBLta-CT2	8	1	5	7	4	7	7	1	9	<i>Pita</i>
13	IRBLb-B	8	-	3	7	7	9	7	-	7	<i>Pib</i>
14	IRBLt-K59	4	1	8	2	2	6	3	2	8	<i>Pit</i>
15	IRBLsh-S	6	3	3	5	4	7	5	3	8	<i>Pish</i>
16	IRBLsh-B	5	2	8	3	3	8	0	2	7	<i>Pish</i>
17	IRBL1-CL	7	5	6	7	4	8	-	4	8	<i>Pi1</i>
18	IRBL3-CP4	6	4	8	5	3	8	5	3	7	<i>Pi3</i>
19	IRBL5-M	8	4	5	5	6	8	5	3	7	<i>Pi5(t)</i>
20	IRBL7-M	9	3	8	7	6	7	-	3	6	<i>Pi7(t)</i>
21	IRBL9-W	1	1	2	2	1	4	0	2	7	<i>Pi9(t)</i>
22	IRBL11-Zh	5	4	5	7	3	8	5	3	4	<i>Pi11(t)</i>
23	IRBL12-M	7	1	1	1	2	4	-	3	4	<i>Pi12(t)</i>
24	IRBL19-A	0	1	1	3	1	5	3	3	7	<i>Pi19(t)</i>
25	IRBL20-IR24	0	0	2	1	1	5	0	1	7	<i>Pi20(t)</i>
26	IRBLkm-Ts	5	3	1	2	1	2	7	3	6	<i>Pik-m</i>
27	IRBLta2-Re	6	8	5	7	7	8	5	5	7	<i>Pita-2</i>
28	IRBLta2-PI	4	3	2	2	1	5	7	3	6	<i>Pita-2</i>
29	IRBLta-CP1	0	1	4	2	1	2	0	3	5	<i>Pita</i>
30	IRBLz5-CA-1	4	2	2	3	1	2	1	3	6	<i>Piz-5</i>
31	LTH	7	7	6	7	9	8	4	4	8	-

^aTesting results for rice blast disease resistance utilizing monogenic lines in rice. Disease severity measurement: 0–3, resistance; 4–6, moderate resistance; 7–9, susceptible.