

**Table 1 Reaction to different isolates of bacterial blight using the introgression lines, parental lines and the NILs carrying different resistant genes (IRBB lines)**

Entry	Reaction to different Isolates of bacterial blight									
	DX-020	DX-044	DX-002	DX-018	DX-015	DX-011	DX-027	DX-049	DX-073	DX-077
IR56 (recurrent parent)	S	S	S	S	S	S	S	S	S	S
IR65483-118-25-31-7-1-5-B	HR	HR	S	HR	S	S	HR	HR	HR	R
IR65483-141-2-4-4-2-5-B	HR	HR	S	HR	S	S	HR	HR	HR	R
<i>O. brachyantha</i> ( Acc 101232)	HR	HR	R	HR	R	R	R	R	R	R
IRBB1 ( <i>Xa1</i> )	S	S	S	S	S	S	S	S	S	S
IRBB3( <i>Xa3</i> )	S	S	S	S	S	S	S	S	S	S
IRBB4( <i>Xa4</i> )	S	S	S	S	S	S	S	S	MR	S
IRBB7( <i>Xa7</i> )	MR	S	R	S	S	S	S	S	MR	S
IRBB10( <i>Xa10</i> )	S	S	MR	S	S	S	S	S	S	S
IRBB11( <i>Xa11</i> )	S	S	R	S	S	S	S	S	S	R
IRBB18( <i>Xa18</i> )	S	S	S	NT	S	S	S	NT	R	NT
IRBB21( <i>Xa21</i> )	R	S	MR	MR	MR	S	MR	S	MR	MR
IRBB5( <i>xa5</i> )	R	S	R	S	MR	S	S	S	S	S
IRBB13( <i>xa13</i> )	R	S	S	MR	S	S	MR	MR	R	S
TN-1 ( susceptible check)	S	S	S	S	S	S	S	S	S	S
BPT 5204 ( susceptible check)	S	S	S	S	S	S	S	S	S	S
IET 8585 (resistant check)	R	MR	R	MR	MR	S	S	MR	R	S

HR=Highly resistant (leason length <1cm and brownish); R= Resistant (leason length 1-4.0cm ); MR= Moderatly resistant ( leason length 4.1-8.0cm) ; S=Susceptible( leason length >8cm), NT= Not tested.

**Table1 (continued)**

Entry	DX-125	DX-105	DX-144	DX-090	DX-122	DX-086	DX-066	DX-007	DX-071	DX-006	DX-060
IR 56 ( recurrent parent)	S	S	S	S	S	S	S	S	S	S	MR
IR65483-118-25-31-7-1-5-B	MR	HR	R	S	HR	R	HR	R	R	R	R
IR65483-141-2-4-4-2-5-B	MR	HR	R	S	R	HR	R	R	R	R	R
<i>O. brachyantha</i> ( Acc.101232))	R	HR	R	S	HR	HR	HR	R	R	R	R
IRBB1 ( <i>Xa1</i> )	NT	NT	NT	NT	NT	NT	NT	NT	NT	MR	R
IRBB3( <i>Xa3</i> )	NT	NT	NT	NT	NT	NT	NT	NT	NT	MR	R
IRBB4( <i>Xa4</i> )	NT	NT	NT	NT	NT	NT	NT	MR	S	MR	S
IRBB7( <i>Xa7</i> )	S	S	S	S	S	S	S	R	S	MR	R
IRBB10( <i>Xa10</i> )	S	S	S	S	S	S	S	S	R	S	R
IRBB11( <i>Xa11</i> )	S	S	S	S	S	S	S	S	S	MR	R
IRBB18( <i>Xa18</i> )	NT	NT	NT	NT	NT	NT	NT	NT	NT	MR	R
IRBB21( <i>Xa21</i> )	MR	R	R	R	R	MR	MR	S	S	S	R
IRBB5( <i>xa5</i> )	-	S	S	S	S	R	S	S	S	R	R
IRBB13( <i>xa13</i> )	MR	MR	R	R	R	S	R	R	R	R	R
TN-1(susceptible check)	S	S	S	S	S	S	S	S	S	S	S
BPT 5204 (susceptible check)	S	S	S	S	S	S	S	NT	NT	NT	S
IET 8585(resistant check)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	R

The origin of isolates: DX-020 from DRR (Hyderabad), DX-044 from R.C. Puram (Hyderabad), DX-002 from Faizabad (UP), DX-018 from Kapurthala (Punjab), DX-015 from Aduthurai (Tamil Nadu), DX-011 from Pantnagar (UT), DX-027 from Chinsurah (WB), DX-049 from Maruteru (AP), DX-073 from Raipur (Chhattisgarh), DX-077 from Hyderabad (AP), DX-125 from Cuttack (Orissa), DX-105 from Palakkad (Kerala), DX-144 from Punjab, DX-090 from Ludhiana ( Punjab), DX-122 from West Bengal, DX-084 from Kaul (Haryana), DX-066 from Raipur (Chhattisgarh, DX-007 from Assam, DX-071 from Sultanpur (UP), DX-006 from Warangal (AP) and DX-060 from West Bengal.

**Table 2 Reaction of F<sub>1</sub> plants and F<sub>2</sub> populations from the cross between two introgression lines and susceptible varieties to the BB isolate DX-044**

Cross	Reaction to BB isolate DX-044					
	F <sub>1</sub>	F <sub>2</sub> population				
		Res.	Susc.	Ratio	$\chi^2$	P value
IR56/ IR65483-118-25-31-7-1-5-B	Resistant	416	132	3:1	0.244	0.50- 0.70
BPT5204/ IR65483-118-25-31-7-1-5-B	Resistant	249	92	3:1	0.713	0.30- 0.50
IR56/ IR65483-141-2-4-4-2-5-B	Resistant	324	116	3:1	0.436	0.50- 0.70
BPT5204/ IR65483-141-2-4-4-2-5-B	Resistant	302	89	3:1	1.044	0.30- 0.50
IR65483-118-25-31-7-1-5-B/ IR65483-141-2-4-4-2-5-B	Resistant	362	0	1: 0	-	-
IRBB21/ IR65483-141-2-4-4-2-5-B*	Resistant	397	19	15:1	2.01	0.10- 0.20

\* The F<sub>2</sub> population of IRBB21/ IR65483-141-2-4-4-2-5-B screened against isolate DX-020.