

Supplementary Table 1 Bakanae disease evaluation method according to the standard evaluation system of the International Rice Research Institute

Disease rating scale	Per cent infected seedlings	Disease reaction
0	0%	Highly resistant (HR)
1	≤1%	Resistant (R)
3	>1–6%	Moderately resistant (MR)
5	>6–25%	Moderately susceptible (MS)
7	>25–50%	Susceptible (S)
9	>50–100%	Highly susceptible (HS)

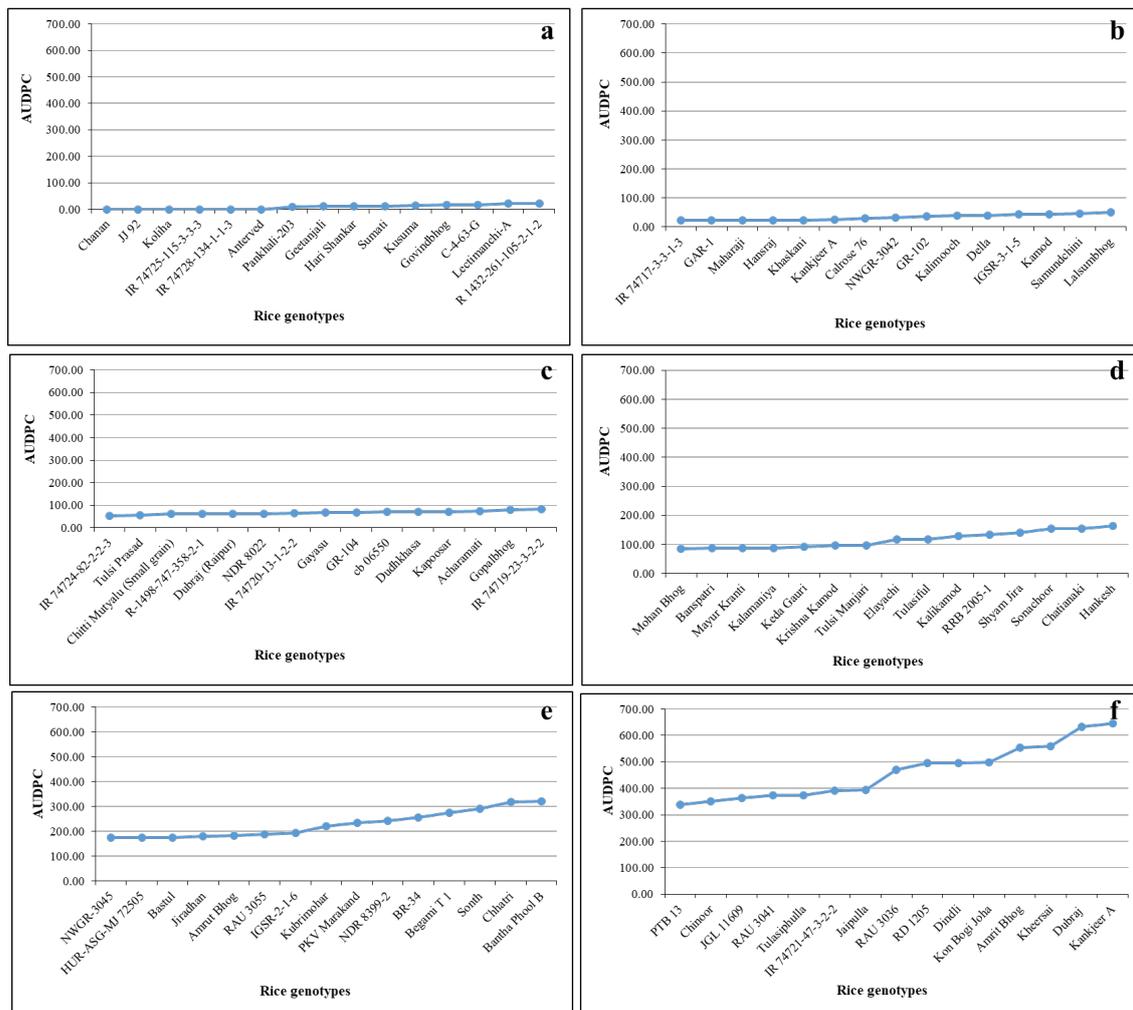
Source: International Network for Genetic Evaluation of Rice (1992)

Supplementary Table 2 Grouping of rice genotypes into different disease resistance categories for bakanae disease of rice based on IRRI disease evaluation method

Disease rating scale	Rice genotypes (based on pooled disease response)
0 (Highly resistant)	-
1 (Resistant)	-
3 (Moderately resistant)	Kankjeer A, Lectimanchi-A, Sumati, Pankhali-203, GR-102, NWGR-3042, Geetanjali, R 1432-261-105-2-1-2, Khaskani, C-4-63-G, Calrose 76, JJ 92, Koliha, Hari Shankar, Kusuma, IR 74717-3-3-1-3, IR 74725-115-3-3-3, IR 74728-134-1-1-3, Hansraj, Anterved and GAR-1
5 (Moderately susceptible)	Banspatri, Sonachoor, Kheersai, IGSR-3-1-5, Dubraj (Raipur), Kamod, CB 06550, Kapoosar, Kalikamod, Elayachi, ShyamJira, Tulsi Prasad, Lalsumbhog, Maharaji, Samundchini, ChittiMutyalu (Small grain), Krishna Kamod, GR-104, NWGR-3045, JGL 11609, NDR 8022, R-1498-747-358-2-1, RRB 2005-1, Acharamati, MayurKranti, TulsiManjari, Kalamaniya, KedaGauri, Gayasu, Tulasiful, Gopalbhog, Kalimooch, Della, Chanan, PKV Marakand, IR 74719-23-3-2-2, IR 74720-13-1-2-2, IR 74724-82-2-2-3 and RAU 3041
7 (Susceptible)	RAU 3055, Hankesh, IGSR-2-1-6, Sonth, BanthaPhool B, Chhatri, Jiradhan, Chinoor, Kubrimohar, AmrutBhog, NDR 8399-2, PTB 13, Mohan Bhog, BR-34, Dudhkhasa, Begami T 1, Bastul, Chatianaki, Tulasiphulla
9 (Highly susceptible)	Dindli, RAU 3036, AmritBhog, Dubraj, HUR-ASG-MJ 72505, RD 1205, Jaipulla, IR 74721-47-3-2-2, Kankjeer A and KonBogiJoha

Supplementary Table 3 Correlation matrix showing relationship between different parameters evaluated

	Parameters	Disease severity	AUDPC	Root length (cm)	Shoot length (cm)	No. of fibres	Days required for the symptom appearance
Susceptible genotypes	Disease severity	1.00					
	AUDPC	1.00	1.00				
	Root length (cm)	0.37	0.37	1.00			
	Shoot length (cm)	0.18	0.18	0.64	1.00		
	No. of fibers	0.11	0.11	0.35	0.78	1.00	
	Days required for the symptom appearance	0.95	0.95	0.23	0.30	0.28	1.00
Resistant genotypes	Disease severity	1.00					
	AUDPC	0.99	1.00				
	Root length (cm)	0.65	0.49	1.00			
	Shoot length (cm)	-0.78	0.27	-0.05	1.00		
	No. of fibers	0.36	0.05	-0.31	-0.62	1.00	
	Days required for the symptom appearance	-0.32	-0.95	-0.59	-0.11	-0.22	1.00



Supplementary Fig. 1 Area Under Disease Progress Curve (AUDPC) for all the rice genotypes in the year 2019.

a to f, AUDPC in ascending order (15 rice genotypes in each figure).