Table 1 Main agronomic traits, correlative degree and grade of core collection which were resistant to BPH biotype II

Variety	Grade of resistance	Main agronomic traits										Correlative degree	Grade
		x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	x_9	x_{10}		
BAHBOLON	3.6	20.3	85	87	91	134	96.3	14.6	72.0	70.5	20.4	0.7710	12
BG367-1	3.6	18.3	87	89	90	130	167.0	12.6	147.0	77.5	22.3	0.7458	21
C701045	3.3	18.0	80	84	85	123	106.7	11.0	98.0	74.1	22.3	0.8225	8
DO LONG XUAN2	3.0	21.3	82	84	87	120	90.7	15.0	63.6	65.8	26.1	0.7492	20
IR13427-60-1-3-2-2	3.9	23.3	77	80	82	112	91.3	14.0	88.7	65.4	27.9	0.8349	7
IR13540-56-3-2-1	3.5	20.7	94	95	96	139	101.3	16.7	93.7	64.4	21.1	0.7686	14
IR15847-135-1-1	2.4	21.3	85	87	90	128	101.0	17.7	120.3	77.2	26.8	0.8698	2
IR19670-57-1-1-3	2.7	24.3	84	93	94	128	105.0	11.0	122.7	68.6	20.1	0.8599	3
IR19735-5-2-3-2-1	2.7	42.0	73	76	79	116	80.0	31.0	75.1	81.0	21.7	0.7706	13
IR29692-99-3-2-1	2.6	20.3	78	80	82	120	90.3	11.3	93.4	78.7	22.0	0.8754	1
IR29708-23-1-2-2	3.6	12.7	76	79	81	116	83.3	9.0	136.6	80.1	22.9	0.8513	5
IR50	3.4	31.3	77	80	82	116	82.7	21.0	88.1	54.8	16.4	0.7617	17
IR58	2.7	25.0	73	76	79	112	75.0	16.7	71.9	71.5	20.2	0.8394	6
IR9209-47-1-1-6	2.0	16.3	77	79	81	120	85.5	17.3	85.7	76.8	19.8	0.8569	4
KAU 10667	3.3	23.0	87	89	90	133	110.7	12.7	98.7	68.3	25.3	0.8054	10
PTB 10	3.0	15.3	76	78	80	116	129.7	13.0	107.6	65.8	24.7	0.7671	15
ASD7	3.9	12.0	67	70	72	101	142.0	18.0	86.0	41.0	25.5	0.6830	23
HG1	3.3	16.0	65	67	80	100	104.0	10.0	137.0	71.0	16.4	0.7591	18
IR46237-64-3-2-3-1	2.8	11.0	74	76	78	112	98.0	11.0	94.0	75.5	24.5	0.8207	9
IR54742-6-20-3-9-2	2.9	33.0	93	96	97	125	109.0	19.0	96.0	63.2	21.5	0.7505	19
IR5741-73-2-3	2.8	16.0	87	89	91	125	102.0	8.0	164.0	54.0	30.1	0.7965	11
IR72	3.3	49.0	78	79	80	115	102.0	21.0	118.0	61.0	23.0	0.7674	16
IR29725-109-1-2-1	3.3	13.3	78	81	93	116	95.0	7.7	193.0	58.0	23.6	0.7232	22

Note: x_1-Tilllering capacity, x_2-Begin heading date (d), x_3-Heading date (d), x_4-Complete heading date (d), x_5-Gr0wth period (d), x_6-Plant height(cm), x_7-Effective panicles, x_8-Spikelets per panicle (grain), x_9-Seed, setting 7ate (%),x_{10}-l000-grain weight (g) .Similarly in Table 2, Table 3, Table 4.