

Table 3 The genetic analysis of resistance in 94-42-5-1 against BPH Pantnagar biotype

Generations	Resistant plants	Segregating plants	Susceptible plants	Ratio	χ^2	P-value
TN1 (P1)	0	-	40	-	-	-
94-42-5-1 (P2)	40	-	0	-	-	-
(P1/P2) F1	0	-	40	-	-	-
F2	73	-	195	1:3	0.72	0.25~0.50
BC1P1	0	-	60	-	-	-
BC1P2	65	-	58	1:1	0.40	0.50~0.75
F3 lines (random sample)	15	31	11	1:2:1	0.80	0.50~0.75
F3 lines (from F2 R plants)	45	-	0	-	-	-