

Table 1 Chi-square test and genetic analysis of F₂ derived from the cross between CB033 and Huixianhong

Materials	Gene/Marker s	No. of F ₂	No. of R/S		Expected ratio	χ^2	Genetic distance (cM)
			R	S			
F ₂ (CB033/Huixianhong)	<i>Pm21</i>	213	153	60	3:1	1.401	
	<i>Xcfe164</i>	213	157	56	3:1	0.189	3.75
	<i>Xedm129</i>	213	163	50	3:1	0.264	1.26
	<i>Xcinou188</i>	213	163	50	3:1	0.264	0.98

Note: R: Genotype of the resistant plant; S: Genotype of the susceptible plant; $\chi^2_{0.05}=3.84$, df=1