

Table 2 Segregation analyses for molecular markers closely linked to R_{SC12} in a F_2 population from the cross of Qihuang22 and Nannong1138-2

Marker	No. of F_2 population	Observed No.			Expected ratio	χ^2	P
		RR	Rr	rr			
Sat_297	218	54	106	58	1:2:1	0.312	0.856
Sat_234	219	56	112	51	1:2:1	0.342	0.843
Sat_154	219	56	105	58	1:2:1	0.406	0.816
SOYHSP176	219	58	104	57	1:2:1	0.562	0.755
Satt114	218	57	103	58	1:2:1	0.670	0.715
Satt334	219	58	102	59	1:2:1	1.037	0.596
Sct_033	219	57	104	58	1:2:1	0.562	0.755

Note: RR: Banding pattern tested by SSR marker consistent with the one of the R parent; Rr: Consistent with the one of F_1 ; rr: Consistent with one of the S parent; The followings are the same