

Table S2 Fertility ratings of BC₂F₁, BC₃F₁, BC₆F₁ and F_{2:3} progenies derived from the cross between CHuangzaosi and A619

Generations	Genotypes and phenotypes of maternal parent	Ear number	Total plants	Plants of each fertility grade					Fertile plants	Sterile plants
				I	II	III	IV	V		
BC ₂ F ₁	<i>Rf4rf4</i> , V	1-146 [‡]	131	20	25	5	4	77	86	45
		1-252 [§]	161	57	17	0	1	86	87	74
	<i>rf4rf4</i> , V	1-420 [‡]	142	57	65	13	6	1	20	122
		1-166 [§]	279	135	108	24	8	4	36	243
		1-330 [§]	140	73	52	13	2	0	15	125
	<i>rf4rf4</i> , IV	1-230 [‡]	84	54	28	2	0	0	2	82
		1-085 [§]	252	210	40	2	0	0	2	250
		1-177 [§]	128	110	17	1	0	0	1	127
	<i>rf4rf4</i> , III	1-318 [‡]	128	75	43	9	1	0	10	118
		1-007 [§]	175	112	50	11	2	0	13	162
F _{2:3}	<i>rf4rf4</i> , V	1-184 [‡]	109	70	39	0	0	0	0	109
		1-379 [§]	160	145	15	0	0	0	0	160
BC ₃ F ₁	<i>Rf4rf4</i> , V	2-226 [§]	182	0	0	4	0	178	182	0
		2-807 [§]	119	9	11	15	11	73	99	20
BC ₆ F ₁	<i>Rf4rf4</i> , V	1 [§]	102	47	2	0	0	53	53	49
		2 [§]	89	43	0	0	0	46	46	43
BC ₆ F ₁	<i>Rf4rf4</i> , V	1 [§]	70	32	0	0	0	38	38	32
		2 [§]	55	23	1	0	0	31	31	24

[‡] Fertility was investigated in Jinghong, 2018.

[§] Fertility was investigated in Chengdu, 2019.