

Table S1 Fertility identification of F₁ hybrids crossed between CMS-C lines and A619

Environments	Combinations	Total plants	Plants of each fertility grade					Pollen staining rate
			I	II	III	IV	V	
2018, fall, Jinghong	CHuangzaosi × A619	28	0	0	0	0	28	95.72%
	C478 × A619	24	0	0	0	0	24	93.68%
	CMo17 × A619	28	0	0	0	0	28	97.73%
	C698-3 × A619	27	0	0	0	0	27	97.51%
	C48-2 × A619	27	0	0	0	0	27	94.45%
	EC48-2 × A619	28	0	0	0	0	28	96.51%
	ES48-2 × A619	28	0	0	0	0	28	98.14%
	RB48-2 × A619	28	0	0	0	0	28	96.12%
	Lei48-2 × A619	14	0	0	0	0	14	97.75%
2019, spring, Chengdu	CHuangzaosi × A619	27	0	0	0	0	27	97.60%
	C478 × A619	24	0	0	0	0	24	95.07%
	CMo17 × A619	28	0	0	0	0	28	95.76%
	C698-3 × A619	27	0	0	0	0	27	98.56%
	C48-2 × A619	28	0	0	0	0	28	97.26%
	G48-2 × A619	28	0	0	0	0	28	97.67%
	EC48-2 × A619	28	0	0	0	0	28	97.17%
	ES48-2 × A619	27	0	0	0	0	27	98.40%
	RB48-2 × A619	28	0	0	0	0	28	98.82%
	Lei48-2 × A619	28	0	0	0	0	28	97.78%