

Table S1 Analysis of variance

Population	Analysis of variance				
	Genotype	Environment	Genotype and environment interaction	Replicate effect nested in environment	Block effect nested in replicate
BC1F3:4	***	***	***	**	ns
Chang7-2 testcross	***	***	**	***	ns
PH6WC testcross	***	***	***	***	ns

Note: \*\*\*, \*\*, and ns indicate  $P < 0.001$ ,  $P < 0.01$ , and  $P > 0.05$ , respectively.