

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.