



Figure S7 Two causal SNPs determine PHS resistance. White wheat had slightly higher spike sprouting rates than red wheat in both haplotypes of *TaPHS1* based on the two causal SNPs loci (+646 and +666), but the difference was not significant (a and b indicate significant difference at $P < 0.05$) as the two causal SNPs ($P=2.98 \times 10^{-5}$, Figure 5B).