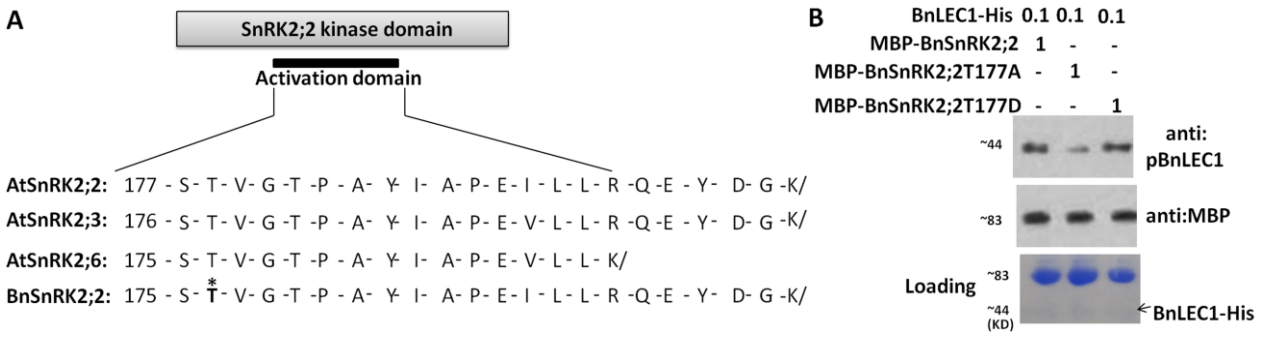

Figure S7. Phosphorylation of Thr177 residue in BnSnRK2;2 is necessary for its kinase activity in phosphorylating BnLEC1 protein. (**A**) Amino acid sequence alignment of the activation loops of AtSnRK2;2, AtSnRK2;3, AtSnRK2;6 and BnSnRK2;2. The "*" indicates the conserved Thr residue is the phosphorylation site in BnSnRK2;2. (**B**) *In vitro* kinase assay of BnSnRK2;2. BnLEC1 protein and 3 versions of BnSnRK2;2 proteins (μg) were used for kinase assay, and anti:pBnLEC1 and anti:BnSnRK2;2 antibodies were employed for immunoblotting analysis.