

Table S5. Activity of SnRK1-KD expressed in *E. coli* and *N. benthamiana*

| | Substrate | SnRK1 activity |
|--|-----------|----------------|
| GST-SnRK1-KD* | auto | 2290 |
| HA ₂ His ₆ -SnRK1-KD | auto | 750709 |
| GST-SnRK1-KD* | GST-SAMS | 4211 |
| HA ₂ His ₆ -SnRK1-KD | GST-SAMS | 1022329 |

HA₂His₆-SnRK1-KD was expressed and partially purified from *N. benthamiana*, while GST-SnRK1-KD* was expressed and partially purified from *E. coli*. Activity values (arbitrary units) were obtained by measuring signal intensity of ³²P-labeled SnRK1-KD (autophosphorylation) or GST-SAMS from images obtained by exposing PAGE gels to a phosphorimager (Figure S2). Exposures were for 5 h in the case of HA₂His₆-SnRK1-KD, and 72 h for GST-SnRK1-KD*.