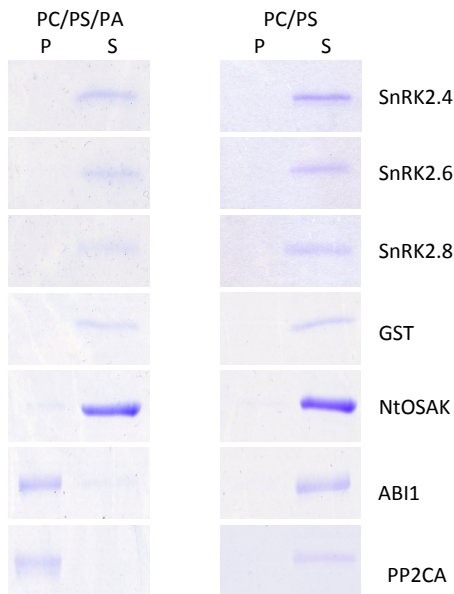


## Supplementary Materials

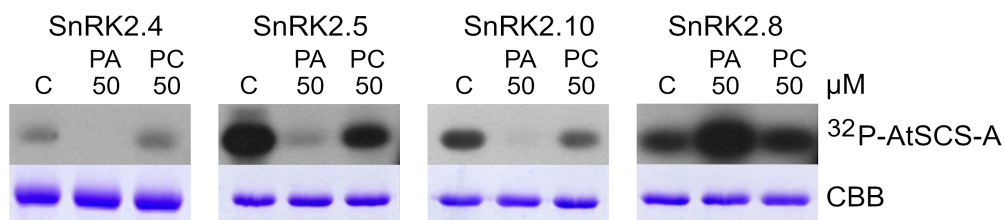
### Supplemental Figure S1



Binding of selected SnRK2s and phosphatases ABI1 and PP2CA to PA 16:0/18:1 monitored by liposome assay using liposomes containing 64 nmol of total lipids.

Liposomes containing 64 nM of lipids per sample composed of PC/PS/PA 16:0/18:1 (4:1:4.4) or PC/PS (4:1) were incubated with about 1.3  $\mu\text{g}$  of indicated proteins and then pelleted by centrifugation. Proteins in the pellet (P) and supernatant (S) were separated by SDS-PAGE and stained with Coomassie Brilliant Blue.

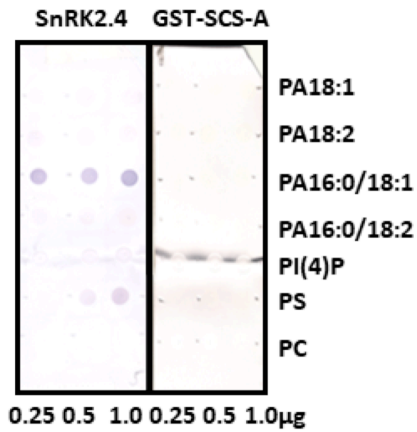
### Supplemental Figure S2.



Effect of PA and PC on phosphorylation of AtSCS-A by SnRK2s

AtSCS-A phosphorylation was analyzed by *in vitro* phosphorylation assay. The phosphorylation catalyzed by GST-fused kinases SnRK2.4, SnRK2.5, SnRK2.10 or SnRK2.8 was performed using AtSCS-A and [ $\gamma^{32}\text{P}$ ]ATP as substrates in the absence (C) or presence of 50  $\mu\text{M}$  PA or 50  $\mu\text{M}$  PC in reaction mixture. Reaction products were separated by SDS-PAGE and AtSCS-A phosphorylation was determined by autoradiography.

### Supplemental Figure S2.



AtSCS-A does not bind phospholipids studied

The binding was analyzed using a phospholipid blot assay, as described in Materials and Methods and legend to Figure 1. GST-AtSCS-A and GST-SnRK2.4 (as a positive control) produced in *E.coli* were used.

## Supplemental Information

Original images of blots and gels

Original data for Figure 1

Fig.1A Phospholipid blot assay

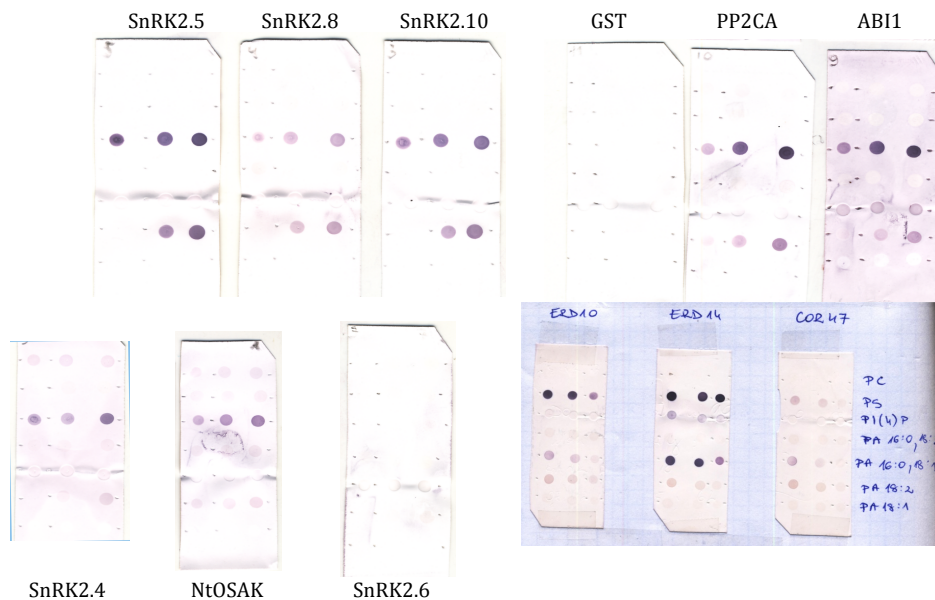


Fig.1B Liposome assay

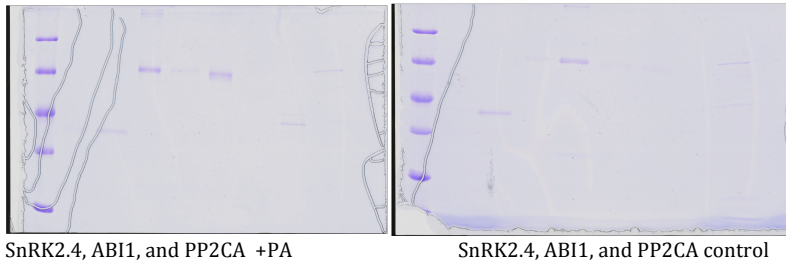
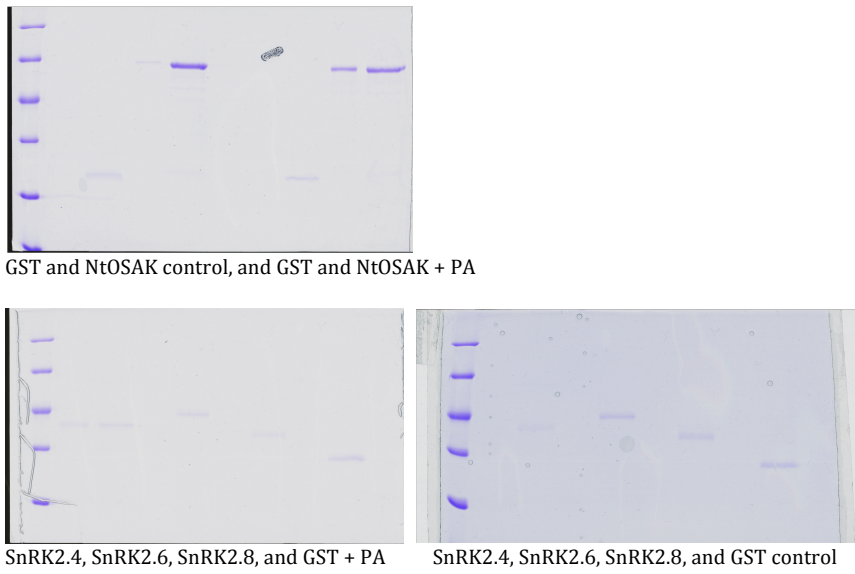
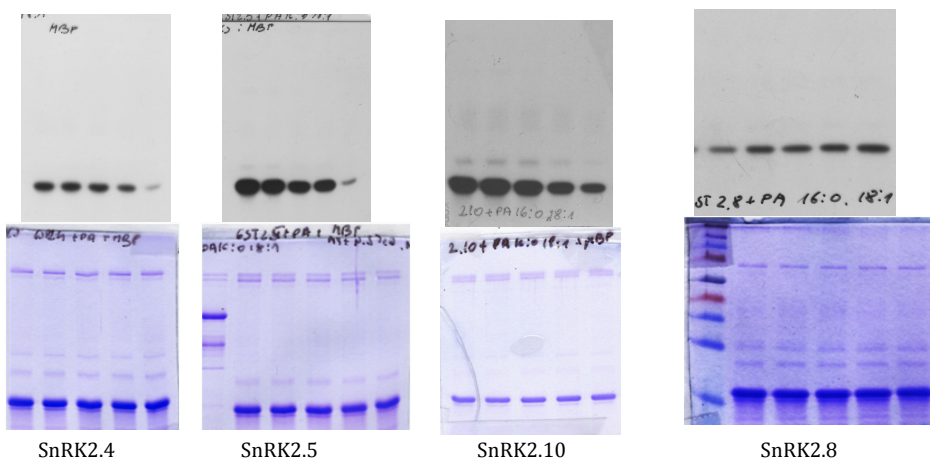


Fig 1C. Liposome assay



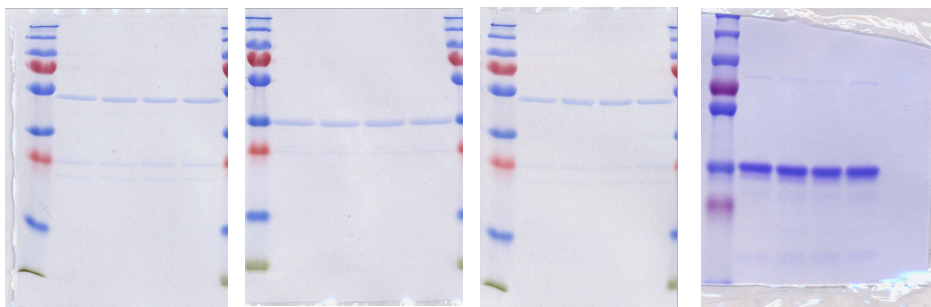
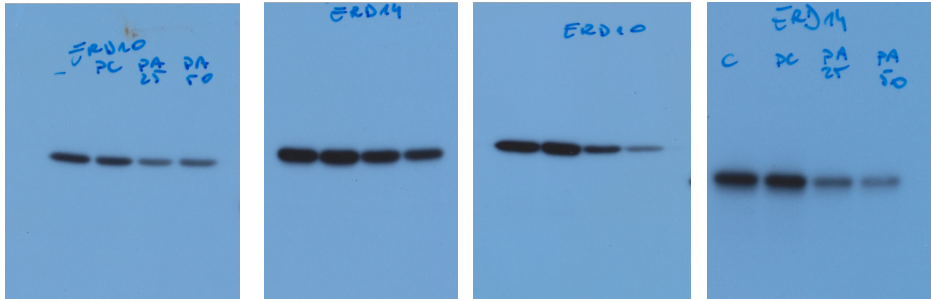
Original data for Figure 3

Effect of PA on MBP phosphorylation by SnRK2s



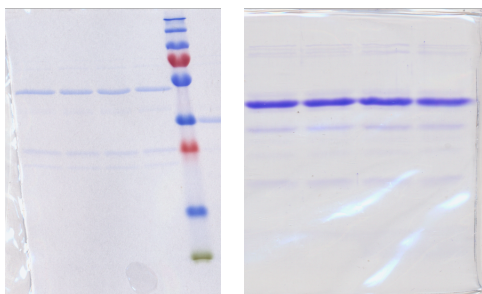
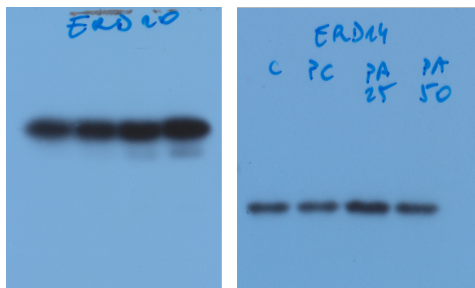
Original data for Figure 4

Figure 4A Effect of PA on phosphorylation of ERD10 and ERD14 by SnRK2s



Phosphorylation by SnRK2.4

Phosphorylation by SnRK2.10



Phosphorylation by SnRK2.8

Figure 4 B Phospholipid blot assay (ERD14 and ERD14 S79E)

