## **Supplemental Data**

## **Figure Legend**

**Fig. S1.** InsP<sub>6</sub> hydrolysis assay in the absence and presence of 10 mM  $KH_2PO_4$  (pH 5.0). The solid line represent a control injection of  $InsP_6$  in absence of enzyme, the dashed lines represents  $InsP_6$  hydrolysis by PhyAsr (wild type) in the absence of phosphate and the dotted lines represent  $InsP_6$  hydrolysis by PhyAsr (wild type) in the presence of 10 mM phosphate. The peak near 10 minutes is  $Ins(1,2,4,5,6)P_5$  and shows a clear reduction in hydrolysis in the presence of 10 mM phosphate after 2 minutes.

Figure S1

