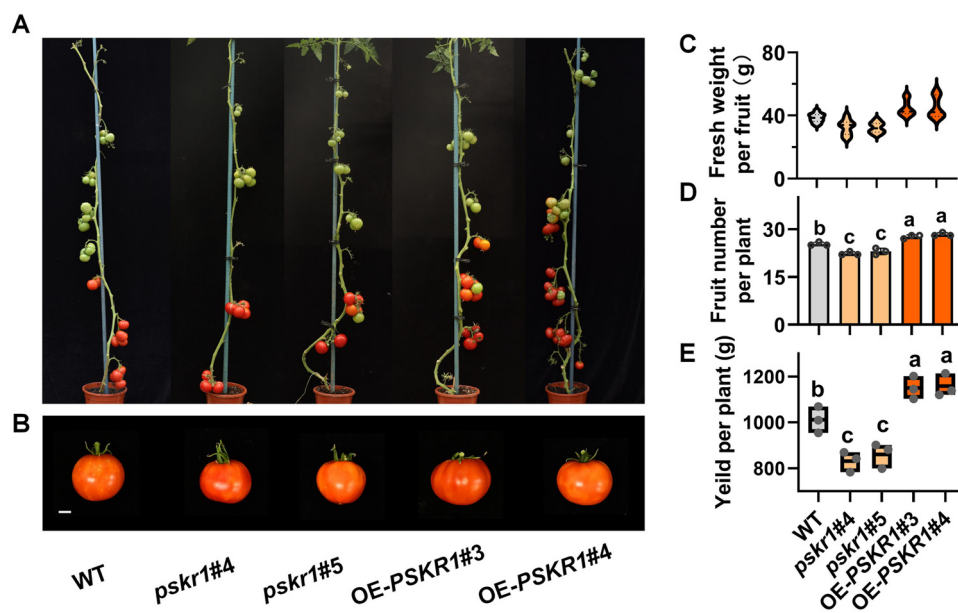


Expanded View Figures



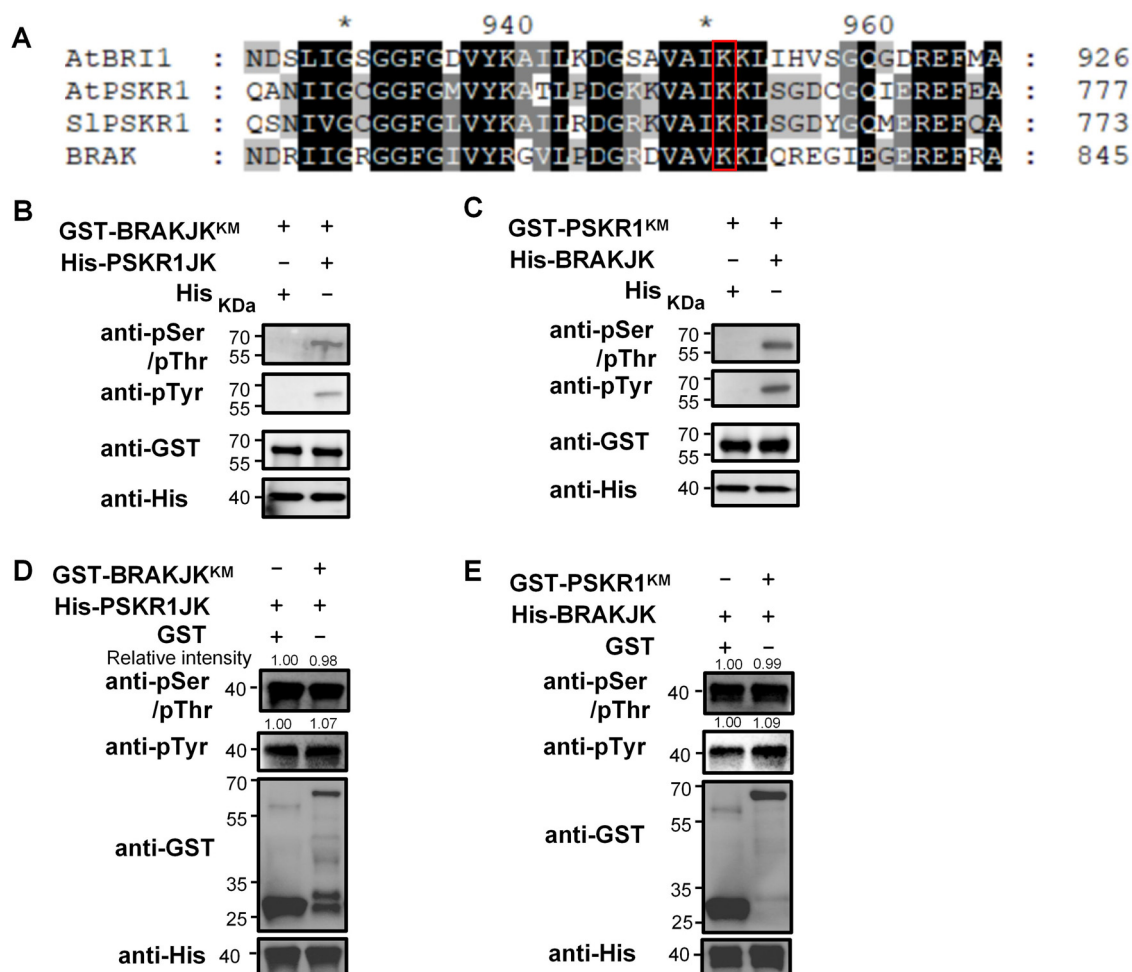


Figure EV2. BRAK and PSKR1 phosphorylate each other in vitro.

(A) Amino acid alignment among Arabidopsis BRI1, PSKR1, tomato PSKR1 and BRAK. The alignment was generated using Clustal X. Identical or similar amino acids are highlighted by black and gray backgrounds, respectively. The conserved lysine (K) in the ATP-binding site is boxed in red. (B) PSKR1 phosphorylate BRAK in vitro. The kinase assay was performed by incubating His or His-PSKR1JK as the kinase and GST-BRAKJK^{KM}. Phosphorylation is shown by western blot with anti-pSer/Thr and anti-pTyr antibodies. The protein loading control is shown by western blot with anti-GST and anti-His antibodies. (C) BRAK phosphorylate PSKR1 in vitro. The kinase assay was performed by incubating His or His-BRAKJK as the kinase and GST-PSKR1JK^{KM}. Phosphorylation is shown by western blot with anti-pSer/Thr and anti-pTyr antibodies. The protein loading control is shown by western blot with anti-GST and anti-His antibodies. (D) The effect of BRAK on the autophosphorylation of PSKR1 in vitro. The kinase assay was performed by incubating His-PSKR1JK and GST-BRAKJK^{KM}. Phosphorylation is shown by western blot with anti-pSer/Thr and anti-pTyr antibodies. The protein loading control is shown by western blot with anti-GST and anti-His antibodies. (E) The effect of PSKR1 on the autophosphorylation of BRAK in vitro. The kinase assay was performed by incubating His or His-BRAKJK as the kinase and GST-PSKR1JK^{KM}. Phosphorylation is shown by western blot with anti-pSer/Thr and anti-pTyr antibodies. The protein loading control is shown by western blot with anti-GST and anti-His antibodies. Source data are available online for this figure.