



Supplemental Figure 3. Phosphorylation of N-Terminal Proteins of St RBOHs and Nb RBOHs by Recombinant St CDPK4 and St CDPK5 Proteins in vitro.

(A) Phosphorylation of N-Terminal Proteins of St RBOHA, St RBOHB, St RBOHC and St RBOHD. Purified N-terminal peptides of St RBOHA₁₋₃₉₅, St RBOHB₁₋₃₁₈, St RBOHC₁₋₃₆₅ and St RBOHD₁₋₃₁₄ were used as substrates for Trx-fused St CDPK4 and St CDPK5. Phosphorylation of St RBOHA to D was detected by X-ray film (upper panel). Protein loads were monitored by CBB-staining (lower panels).

(B) Phosphorylation of N-Terminal Proteins of Nb RBOHA and Nb RBOHB. Purified N-terminal peptides of Nb RBOHA₁₋₃₉₄ and Nb RBOHB₁₋₃₆₆ were used as substrates for Trx-fused St CDPK4 and St CDPK5. Phosphorylation was detected by X-ray film (upper panel). Protein loads were monitored by CBB-staining (lower panels).