

Supporting Information

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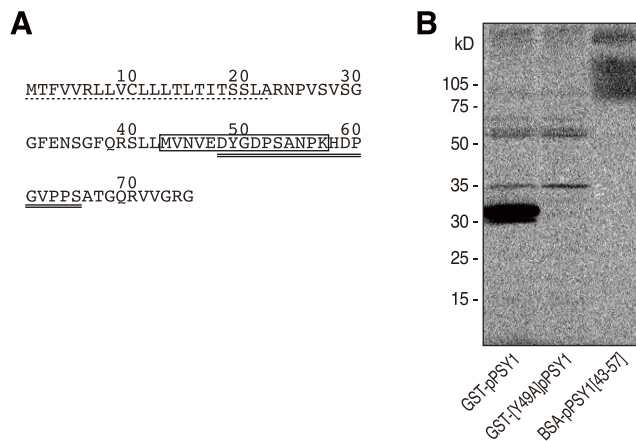


Fig. S1. Detection of *Arabidopsis* tyrosylprotein sulfotransferase (AtTPST) activity by using PSY1 precursor polypeptide as a substrate. (A) Sequence of PSY1 precursor polypeptide (pPSY1). The putative signal peptide is underlined with a dashed line, and the mature PSY1 domain is double underlined. A 15-aa region sufficient for tyrosine sulfation (acidic motif peptide) is boxed. (B) Detection of AtTPST activity. GST-pPSY1, GST-[Y49A]pPSY1, or BSA-pPSY1[43-57] was incubated with [³⁵S]PAPS in the presence of solubilized *Arabidopsis* microsomal fractions and analyzed by SDS/PAGE followed by autoradiography. GST-pPSY1 migrates at 32 kDa, and BSA-pPSY1[43-57] migrates at ≈100 kDa on SDS/PAGE.