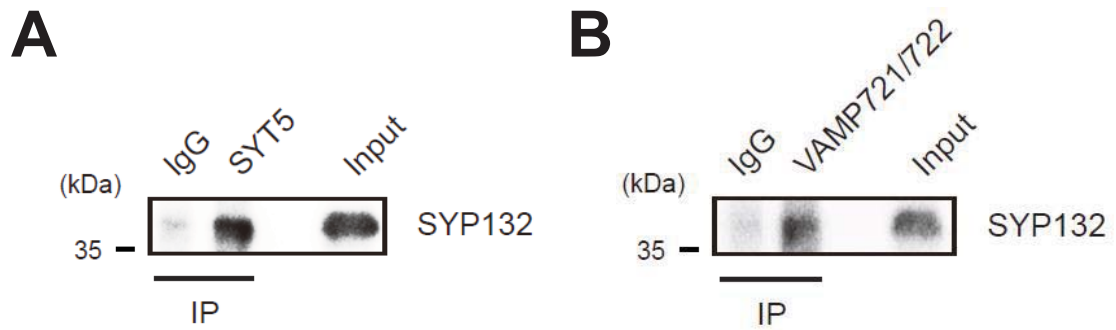
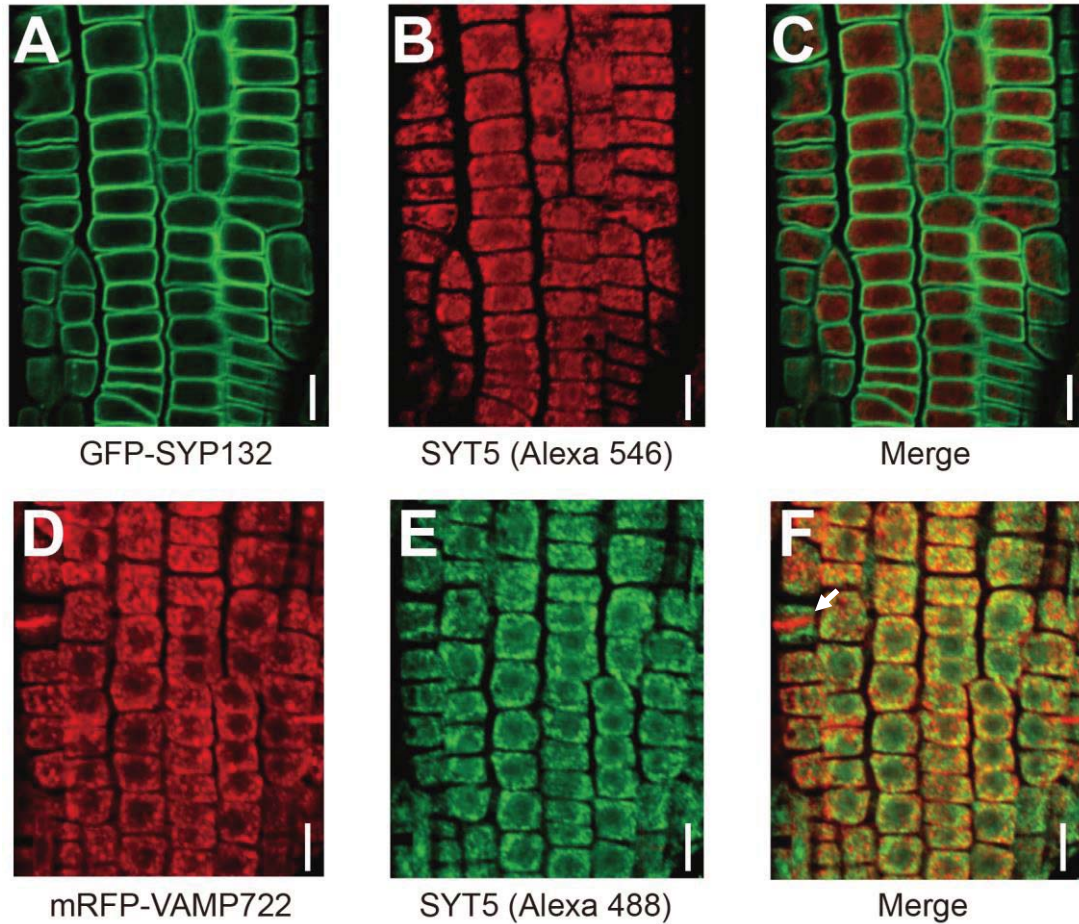


Supplementary Fig. S1. Specificity of anti-SYP132 antibody. The indicated recombinant proteins belonging to the Arabidopsis SYP1 group were purified from *E. coli*, separated in an acrylamide gel, and subject to Coomassie staining (500 ng each) or immunoblot with anti-SYP132 antibody (10 ng each).



Supplementary Fig. S2. *In vivo* SYT5-SYP132 and SYP132-VAMP721/722 interactions. Protein extracts from WT plants were subject to precipitation with anti-SYT5 (A) or anti-VAMP721/722 antibody (B). As a control protein extracts were also precipitated with rabbit IgG. Respective immunoprecipitates (IP) were then subject to immunoblot with anti-SYP132 antibody. Input, 3% of used protein extracts for immunoprecipitation.



Supplementary Fig. S3. Subcellular localization of SYT5 in Arabidopsis roots. (A-C) Roots of GFP-SYP132-expressing plants were immunohistochemically analyzed with anti-SYT5 antibody. The anti-SYT5 antibody was visualized with the Alexa 546 (red fluorescence)-conjugated anti-rabbit IgG antibody. Fluorescent images were analyzed by confocal microscopy. Bar, 10 µm. (D-F) Roots of mRFP-VAMP722-expressing plants were immunohistochemically analyzed with anti-SYT5 antibody. The anti-SYT5 antibody were visualized with the Alexa 488 (green fluorescence)-conjugated anti-rabbit IgG antibody. Fluorescent images were analyzed by confocal microscopy. An arrow indicates a dividing cell. Bar, 10 µm.