

Supplemental Figure 1. Confirmation of toc64 and protein kinase disruption lines and test of SFR2 activity during normal growth. (A) DNA extracted from wild-type Arabidopsis (WT) or three individual toc64 or protein kinase disruption lines (1, 2, 3) was amplified to test for the presence of specific alleles. The gene-specificity of the allele amplified is given on the left. The presence of a band in any given lane indicates the presence of the wild-type allele or the T-DNA insertion, as indicated above. The lack of a wild-type allele in toc64 for TOC64-III, TOC64-V or TOC64-I, and the presence of a T-DNA insertion in each confirms that toc64 lacks uninterrupted alleles of any TOC64 paralog. Similarly, the lack of a wild-type allele and the presence of a T-DNA insertion in the protein kinase (prot. kin.), indicates the lack of an uninterrupted allele of the protein kinase family protein. (B) A thin-layer chromatogram visualized with a sugar-specific stain separates lipids from three individual wildtype, toc64, prot. kin., or sfr2 plants grown under normal conditions. The location at which oligogalactolipids would appear is labeled at right (TGDG, TeGDG).