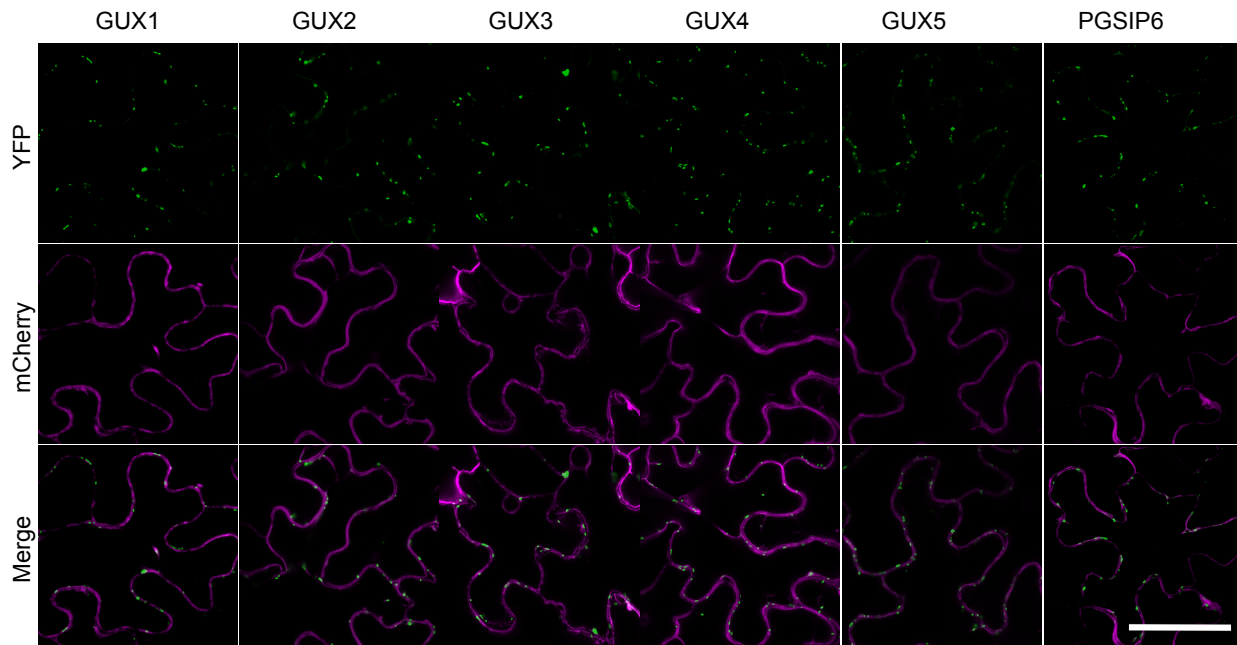


Supplemental Figure S1. LC-MS analysis of GUX1 reaction product. A, HPLC elution profiles of product from reaction using purified GUX1. Top, profile of the sodium adduct of glucurono-xylohexaose alone ($m/z = 1009.28579$). Bottom, profile of the unknown compound with $m/z = 1007.02724$. B, mass spectrum of a GlcAT control reaction that did not include purified GUX1, showing the contaminant peak at 1007.02851 and its isotope peaks.



Supplemental Figure S2. Subcellular localizations of the GUX1 – GUX5 and PGSIP6 proteins. Single-plane confocal micrographs of the proteins fused with C-terminal YFP (top row), the plasma membrane marker AtPIP2-mCherry (middle row), and merged YFP and mCherry channels (bottom row). Bar = 100 μ m.