



**Supplementary Fig. S2. Conversion of IAA to IAA-Glc by GST-UGT74D1.**

(A) Enzymatic reaction catalyzed by UGT74D1. (B) The HPLC chromatogram for authentic IAA-Glc (21.0 min) and reaction products of GST-UGT74D1 with IAA (GST-UGT74D1 + IAA) in the presence of UDP-glucose. The fluorescent emission at 355 nm was detected using 2475 multi  $\lambda$ -fluorescence detector with excitation at 280 nm.