



Figure S2. Localization and FRET analysis for AtGALT29A and AtGLCAT14A.

(A-B) Confocal images of AtGALT29A-mCer3 (A) and AtGLCAT14A-YFP (B) co-expressed in *N. benthamiana* leaves. Scale bar = 5 μ m.

(C) The overlay image of (A) and (B). AtGALT29A-mCer3 and AtGLCAT14A-YFP often show adjacent localization but only occasionally co-localized (inset, region of not co-localized).

(D) Distribution histogram for pixel by pixel analysis of FRET [2] for AtGALT29A and AtGLCAT14A where they are co-localized. FRET efficiency is 13%, indicating the two proteins can interact when they are co-localized. SEM, standard error of means; cell=number of cells analyzed.