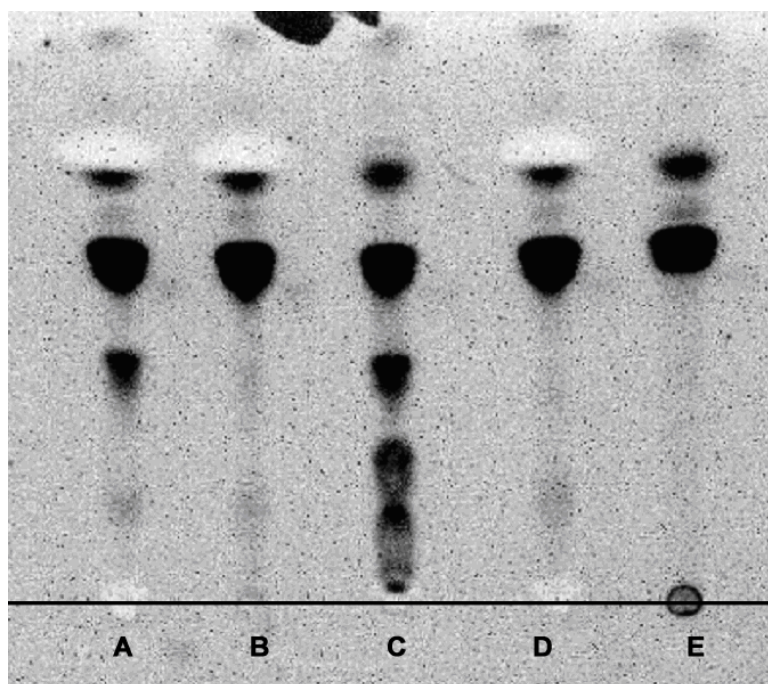




Supplementary Figure 3 Monitoring LgtC catalyzed glycosylation of fluorescent fluorescein lactose conjugate acceptor substrate using 2,4-dinitrophenyl β -galactoside as an alternative donor substrate in the presence or absence of UDP by TLC (7:2:1:0.1 EtOAc: MeOH: H₂O: AcOH). A - Fluorescein-lactose acceptor substrate (2 mM), 2,4-dinitrophenyl β -galactoside (6 mM), UDP (3 mM) and LgtC ($\sim$ 0.5 mg/mL). B - Fluorescein-lactose acceptor substrate (2 mM), 2,4-dinitrophenyl β -galactoside (6 mM), and LgtC ($\sim$ 0.5 mg/mL). C - Fluorescein-lactose acceptor substrate (2 mM), UDP Gal (6 mM) and LgtC ($\sim$ 0.5 mg/mL). D - Fluorescein-lactose acceptor substrate (2 mM), 2,4-dinitrophenyl β -galactoside (6 mM), UDP (3 mM). E – Fluorescein-lactose.