



**Figure S1.** Analysis of alkyl cellobiosides produced through a GH5D trans-glycosylation reaction. The numbers 1, 2, and 3 represent methyl, ethyl, and propyl cellobiosides, respectively. Para-nitrophenyl-glucofuranoside and -cellobioside are represented by *p*NPG and *p*NPC. G1, G2, C1, C2, and M represent glucose, cellobiose, substrate control, reaction control, and standard, respectively. Black, white, and gray bars represent the reactions that contained methanol, ethanol, and propanol as acceptor molecules.