

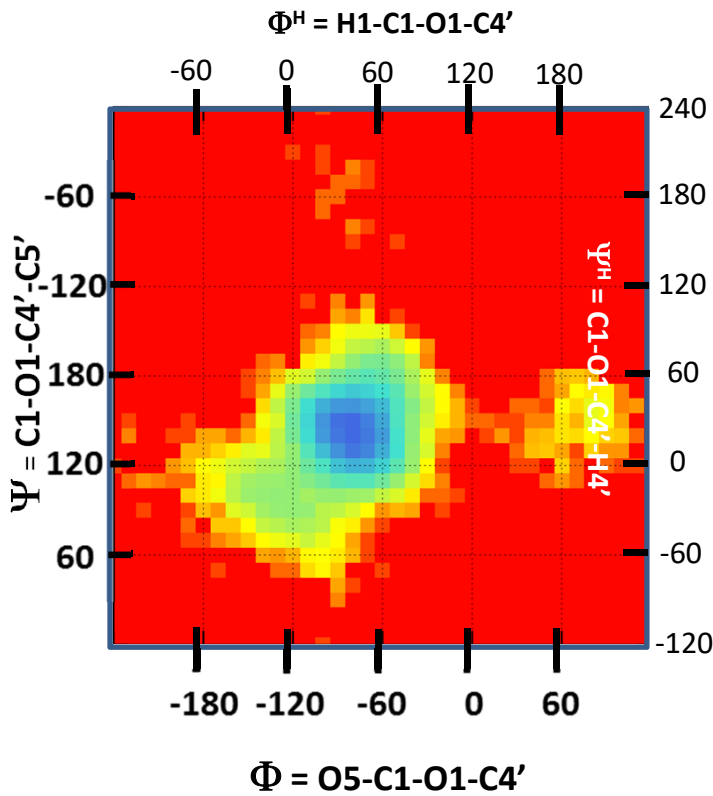
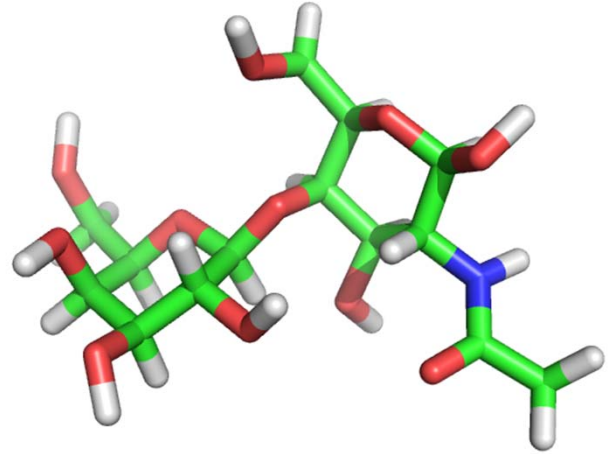
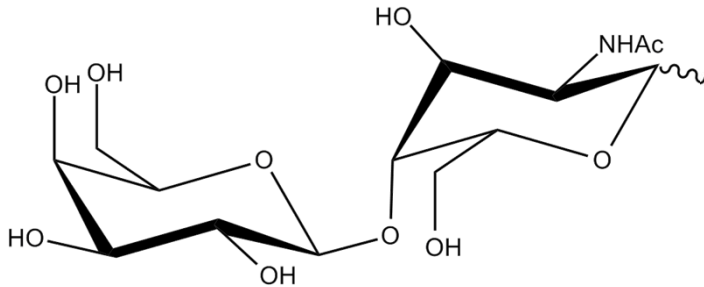
$\beta$ -D-Galp 1-4 D-GalpNAc



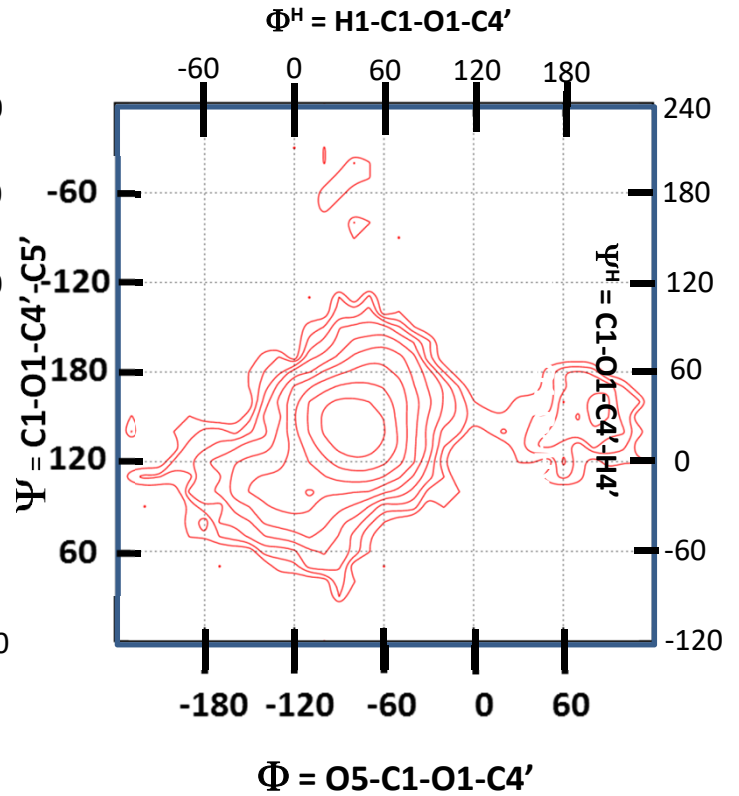
$\beta$ 1-4



Gal  $\beta$ 1-4 GalNAc



- Conf 1 ( $\Phi, \Psi$ ) = -80; 160
- Conf 2 ( $\Phi, \Psi$ ) = -120; 100
- Conf 3 ( $\Phi, \Psi$ ) = 60; 160



- Conf 1 ( $\Phi^H, \Psi^H$ ) = 40; 40
- Conf 2 ( $\Phi^H, \Psi^H$ ) = 0; -30
- Conf 3 ( $\Phi^H, \Psi^H$ ) = 180; 40