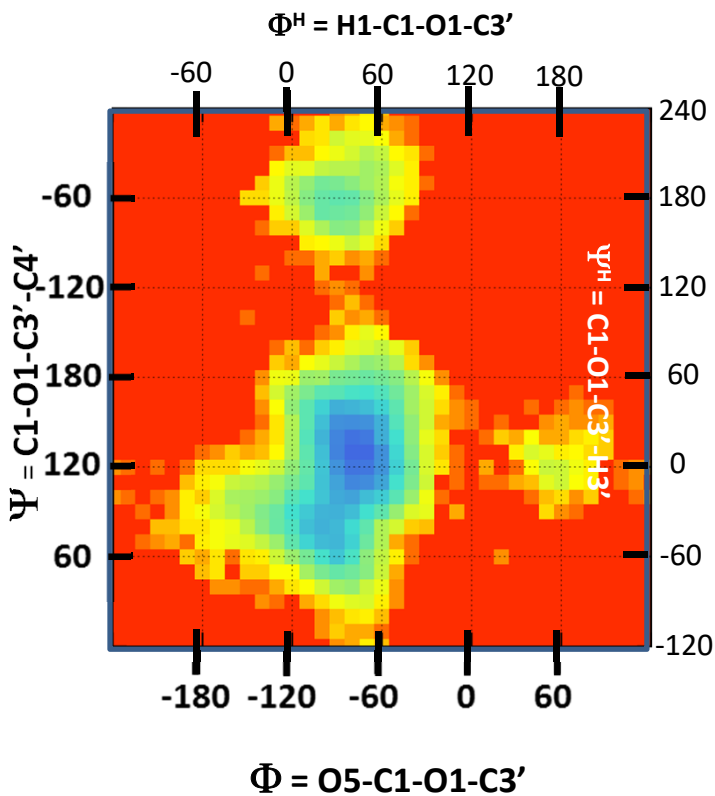
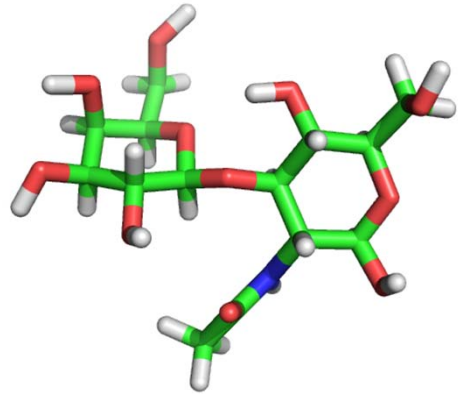
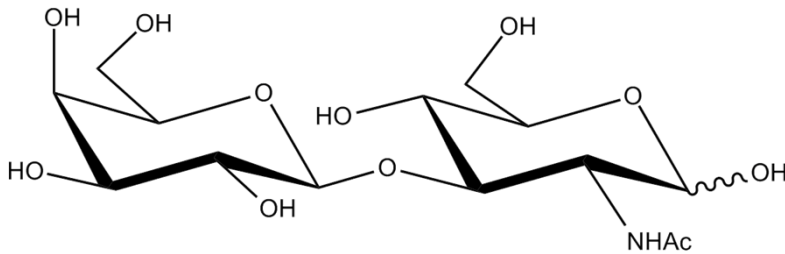
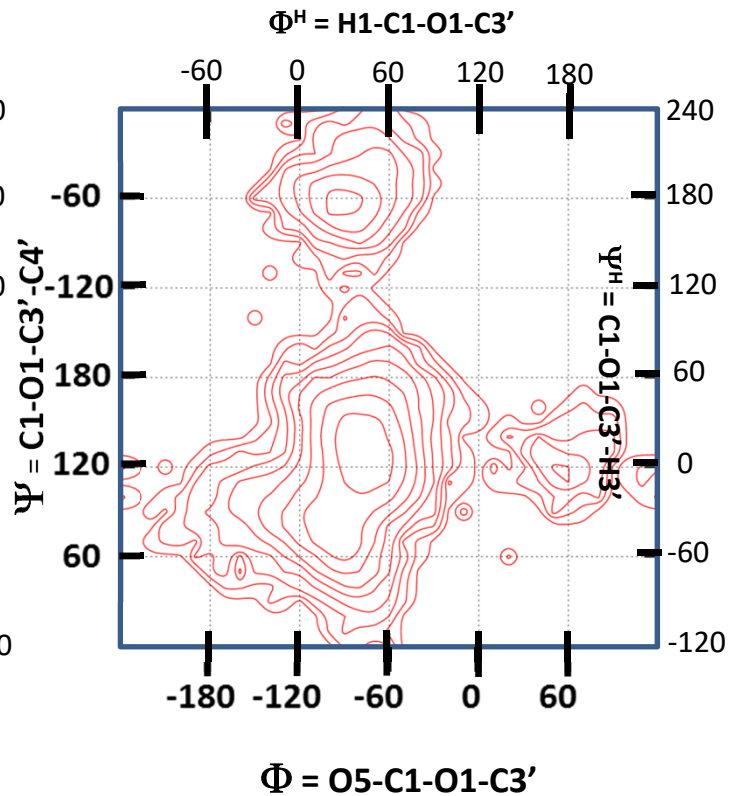


$\beta$ -D-Galp 1-3 D-GlcpNAc    ●  $\beta$ 1-3    ■    Gal  $\beta$ 1-3 GlcNAc



- Conf 1 ( $\Phi, \Psi$ ) = -90; 30
- Conf 2 ( $\Phi, \Psi$ ) = -110; -40
- Conf 3 ( $\Phi, \Psi$ ) = -90; -60
- Conf 4 ( $\Phi, \Psi$ ) = 60; 120



- Conf 1 ( $\Phi^H, \Psi^H$ ) = 30; 10
- Conf 2 ( $\Phi^H, \Psi^H$ ) = 10; -40
- Conf 3 ( $\Phi^H, \Psi^H$ ) = 30; 180
- Conf 4 ( $\Phi^H, \Psi^H$ ) = 180; 0