Figure S1. Central region of the heteronuclear single quantum coherence spectrum of RPS purified from *S. oralis* MC2 recorded at 500 MHz indicating signal assignments by the residue letters given below the structure of type 1G RPS:

\[ \underbrace{\text{[-6Galf}_1\text{-6Gal}_1\text{-3GalNAc}_\alpha_1\text{-PO}_4^2\text{-6GalNAc}_\alpha_1\text{-Rha}_1\text{-4Glc}_1\text{-]}}_n \]