

Supplementary data

Characterization of the Hydrolysis Kinetics of Fucosylated Glycosaminoglycan in Mild Acid and Structures of the Resulting Oligosaccharides

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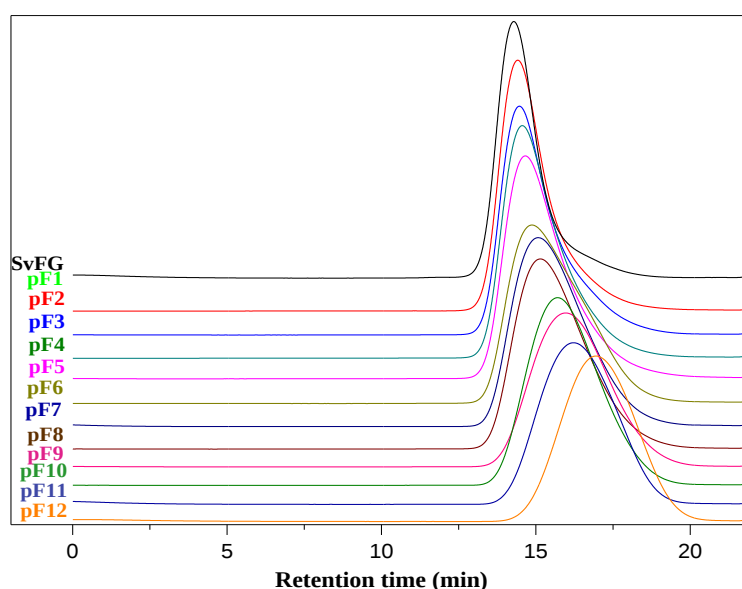


Figure S1. The HPGPC profiles of native SvFG and pF1-12. The pF1-12 was the partial defucosylated derivatives from SvFG which was hydrolyzed in 0.1 M H₂SO₄ at 60 °C.

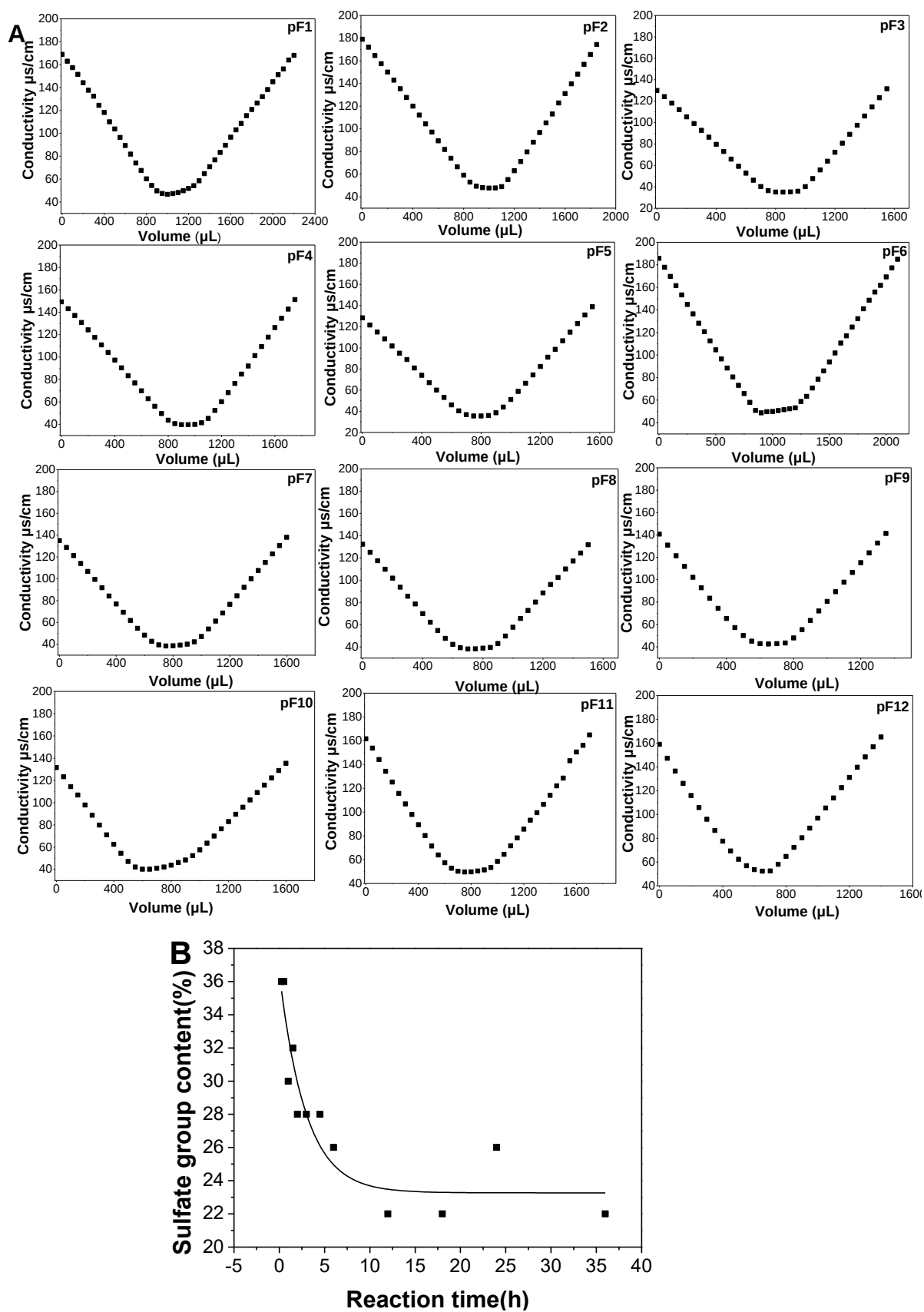


Figure S2. Conductimetric titration curves of pF1-12 (A); the fitting curve of SO_3^- content of pF1-12 with reaction time (B).

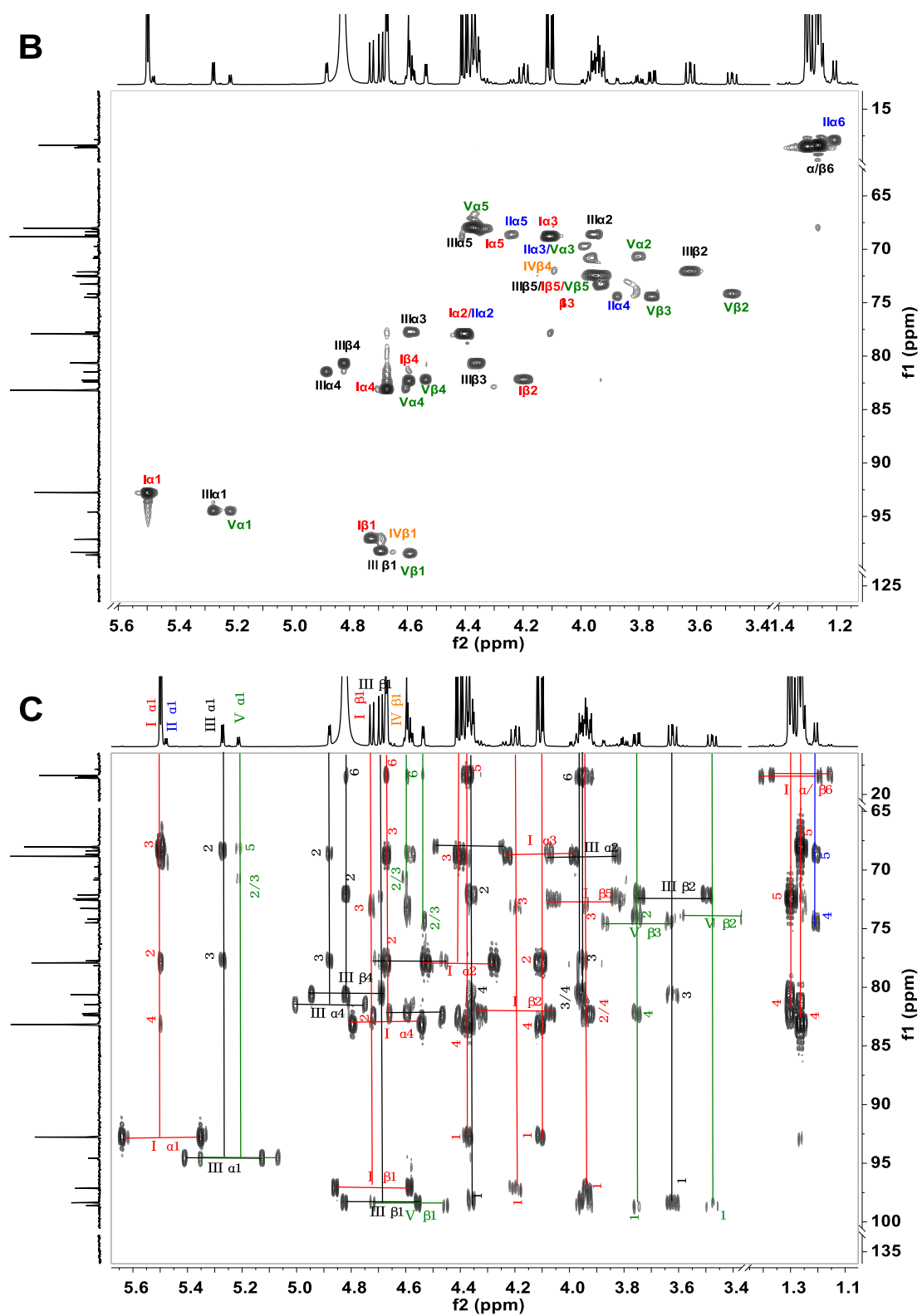


Figure S4. The ^1H - ^1H TOCSY (A), ^1H - ^{13}C HSQC (B) and HMBC (C) spectra of Sc8

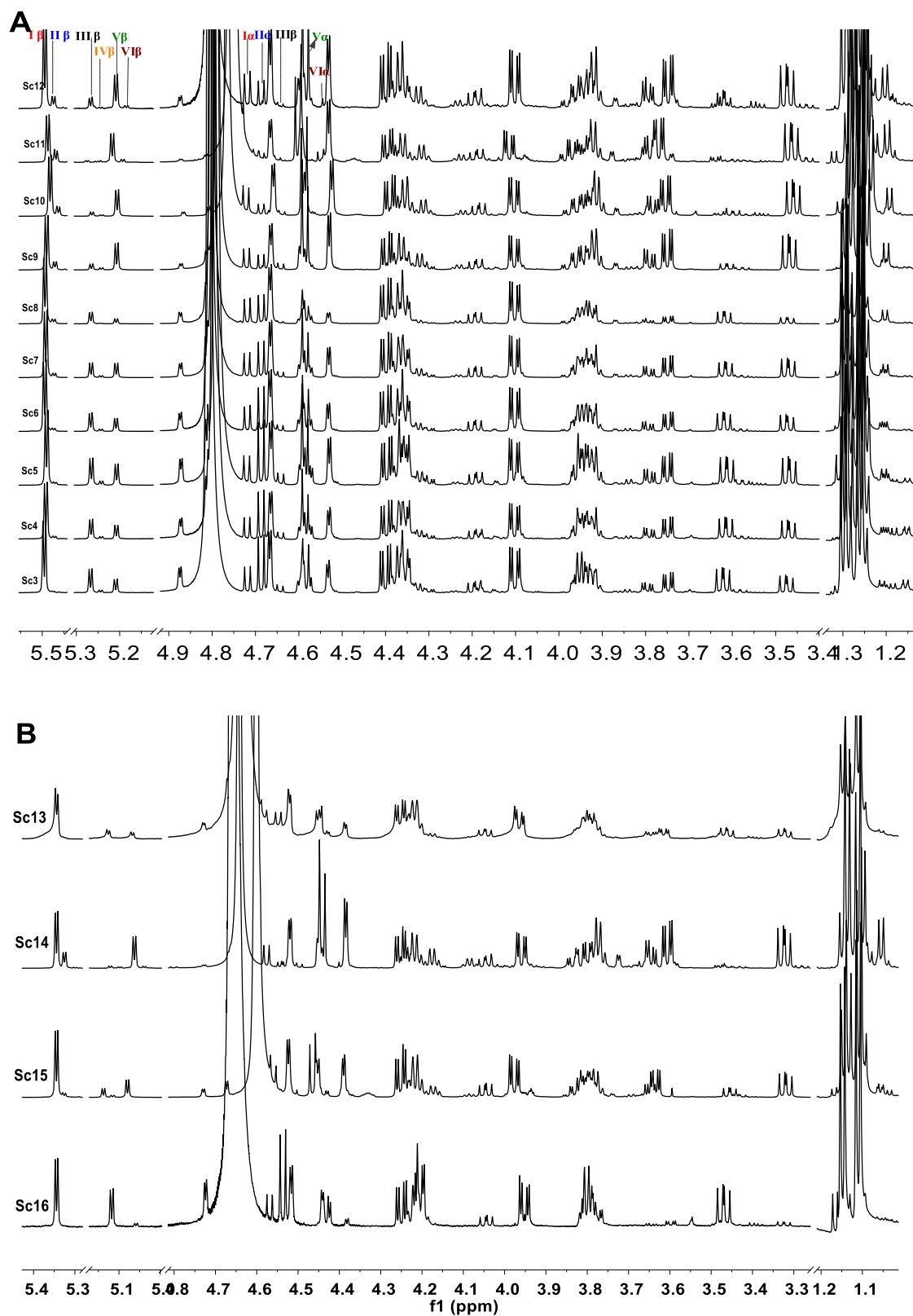
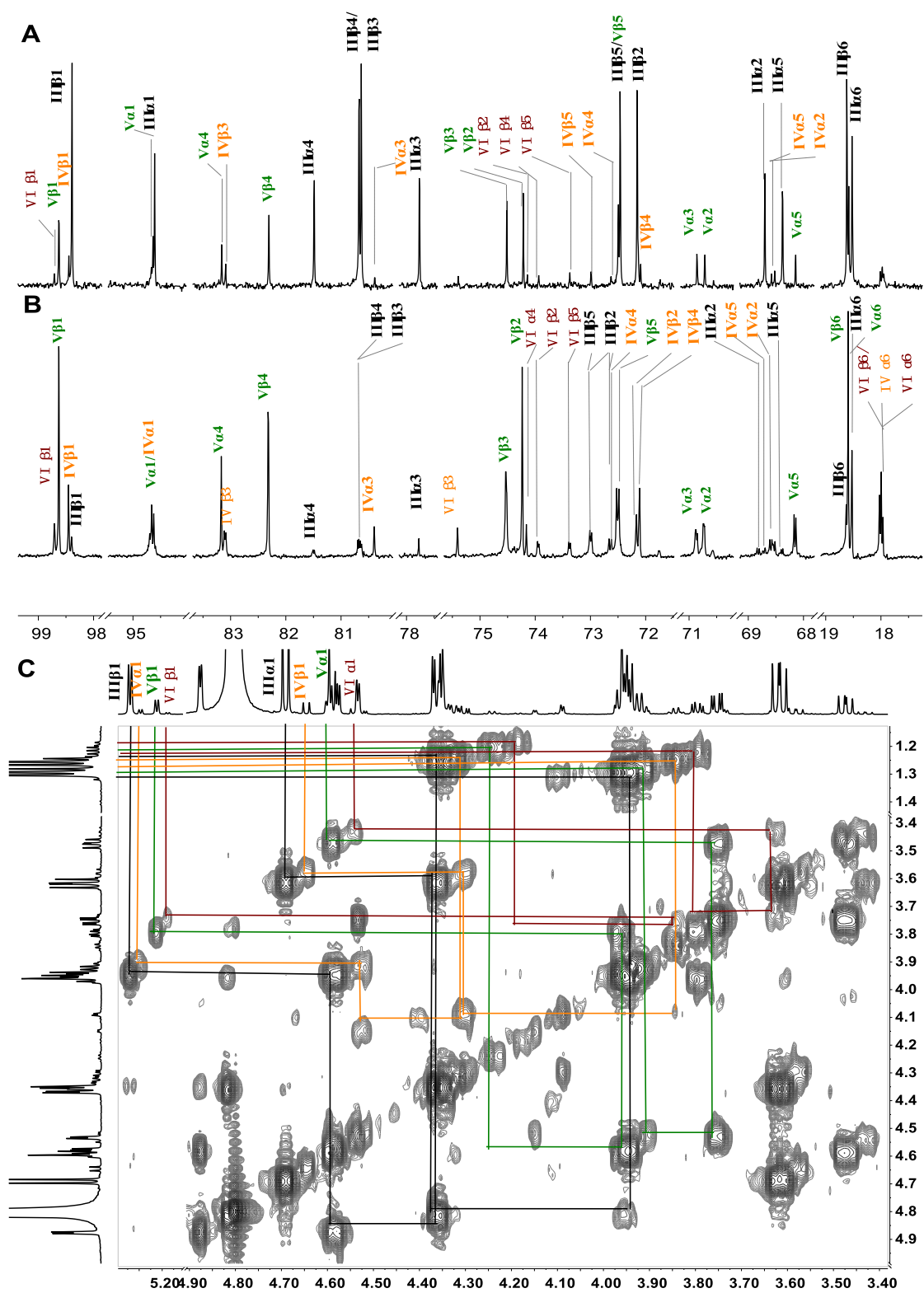


Figure S5. The ^1H NMR spectra of Sc3-12 (A) and Sc13-16 (B)



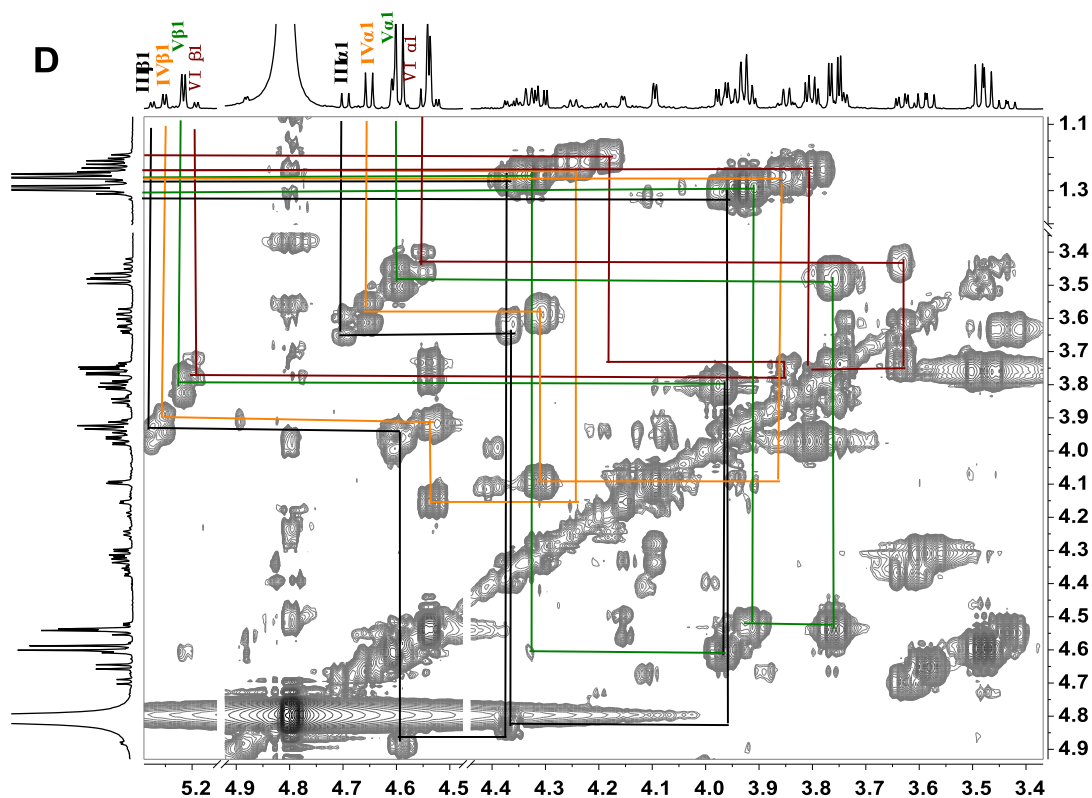


Figure S6. The ^{13}C NMR, ^1H - ^{13}C COSY spectra of Sc19 (A, C) and Sc20 (B, D). Sc19 and Sc20 were the acid released fucose branches of HfFG at 60 °C for 12 h and 100 °C for 2 h, respectively. Lables I, II, III, IV, V and VI represent type I (Fuc2S4S), II (Fuc2S), III (Fuc3S4S), IV (Fuc3S), V (Fuc4S) and VI (Fuc) of FucS, respectively.