

Supplementary Information

Chemoenzymatic Synthesis and pH-Responsive Properties of Amphoteric Block Polysaccharides

*Takuya Nakauchida, Yusei Takata, Kazuya Yamamoto and Jun-ichi Kadokawa**

Department of Chemistry, Biotechnology, and Chemical Engineering, Graduate School
of Science and Engineering, Kagoshima University, 1-21-40 Korimoto, Kagoshima
890-0065, Japan

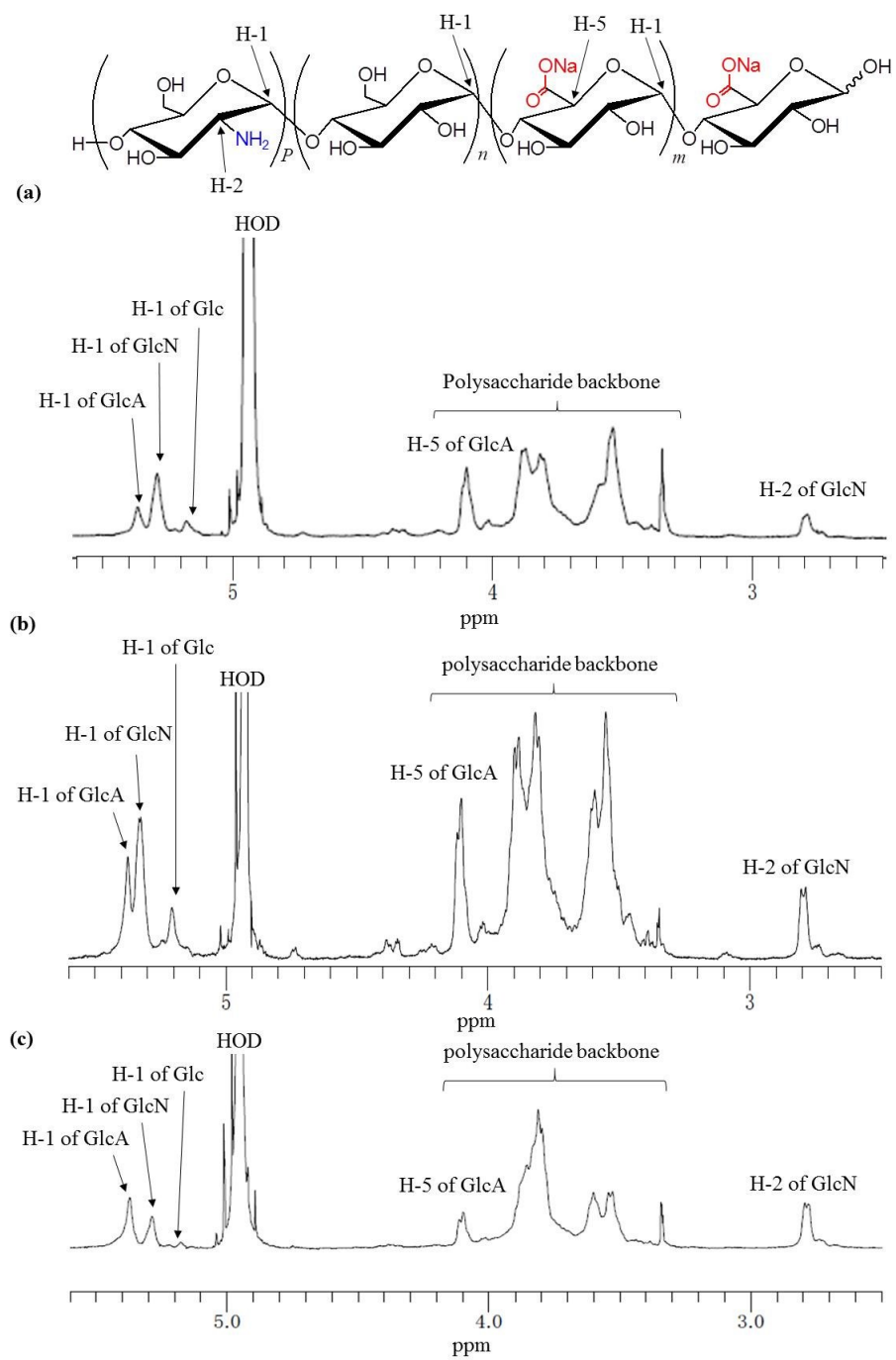


Fig. S1. ^1H NMR spectra of amphoteric block polysaccharides ((a) run 1, (b) run 2, (c) run 3) in NaOD/D₂O.

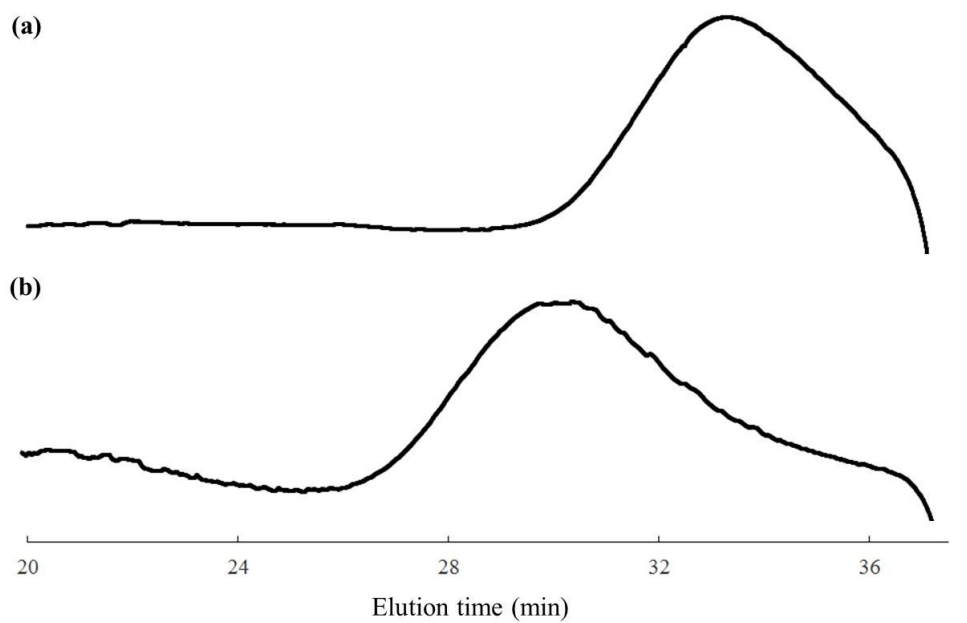


Fig. S2. GPC Profiles of (a) maltooligosaccharide-functionalized amylose and (b) amphoteric block polysaccharide (run 4).

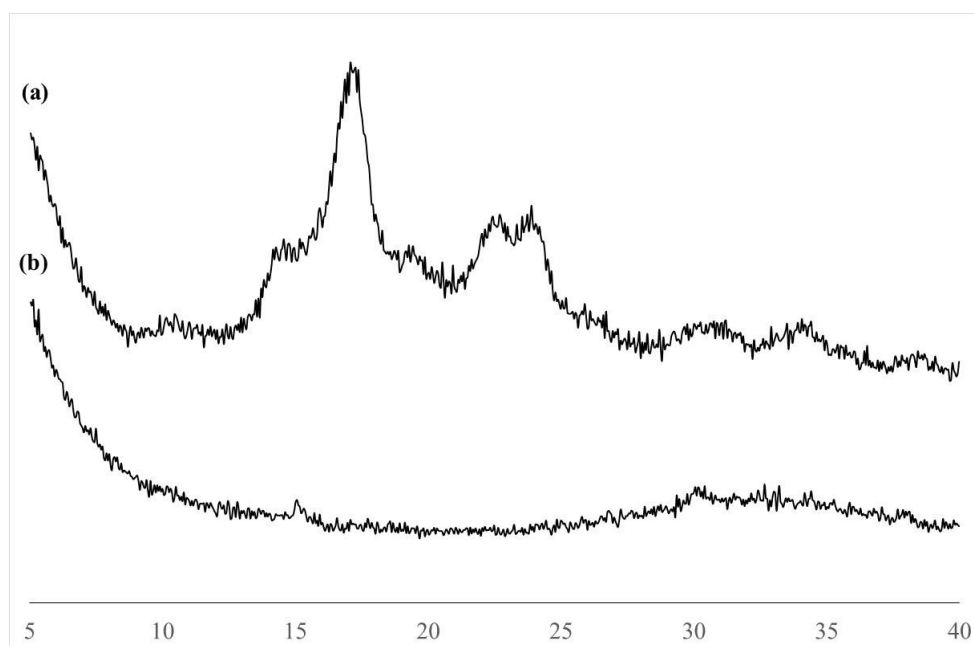


Fig. S3. XRD Profiles of (a) amylose and (b) amphoteric block polysaccharide (run 4).