

## **Characterization of novel *Acidobacteria* exopolysaccharides with potential industrial and ecological applications**

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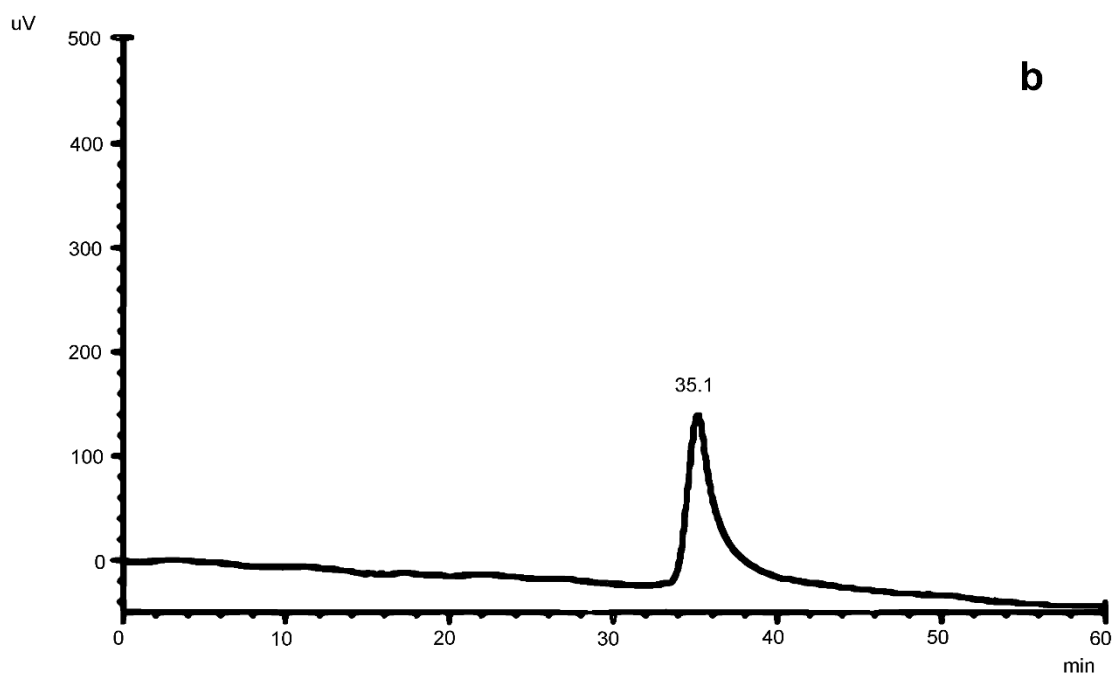
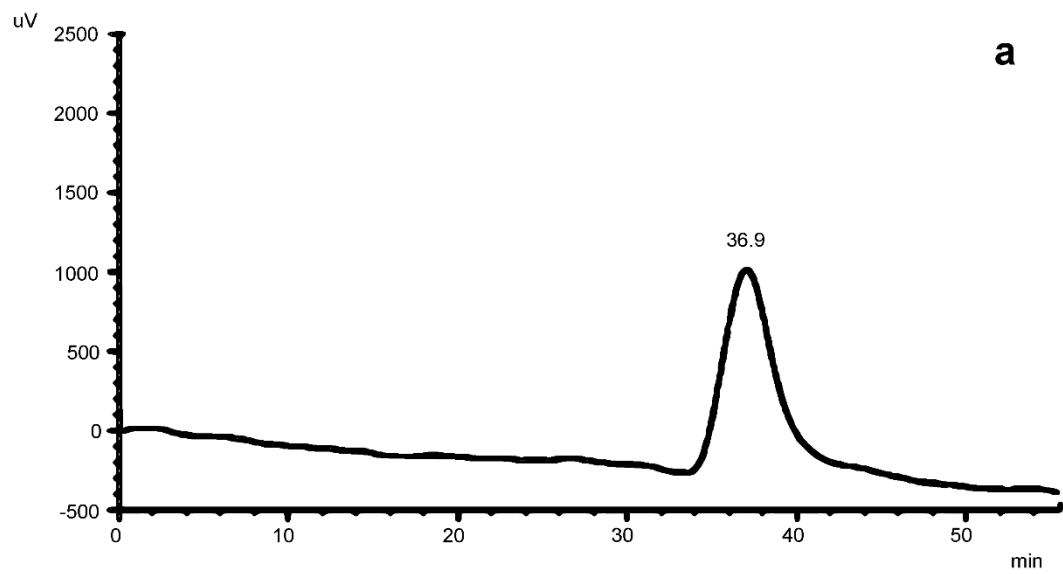
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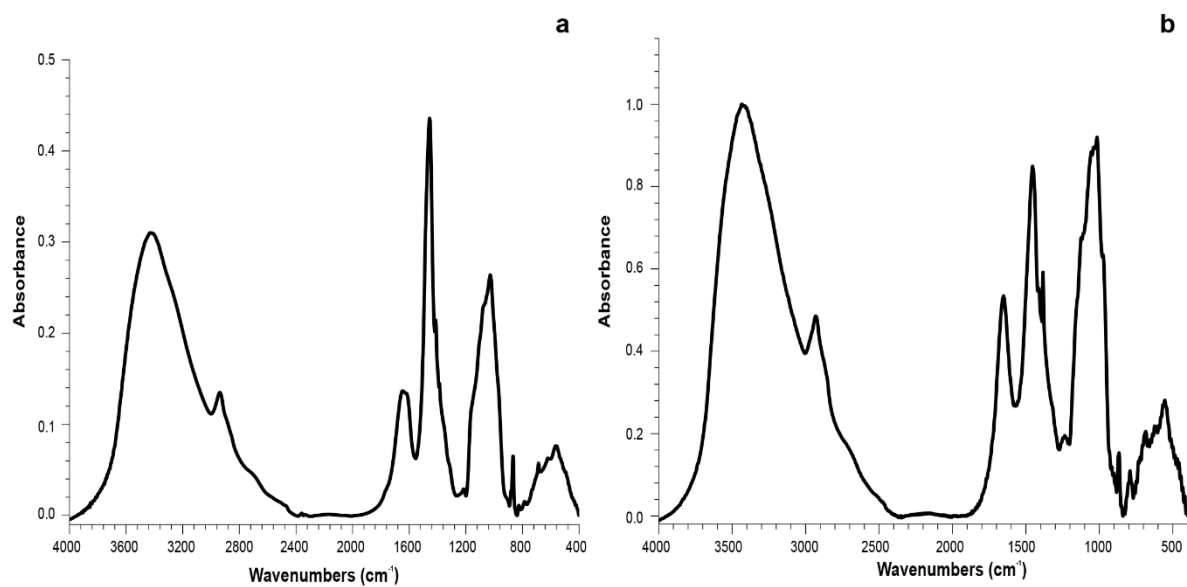
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Running title: Novel Acidobacterial exopolysaccharide

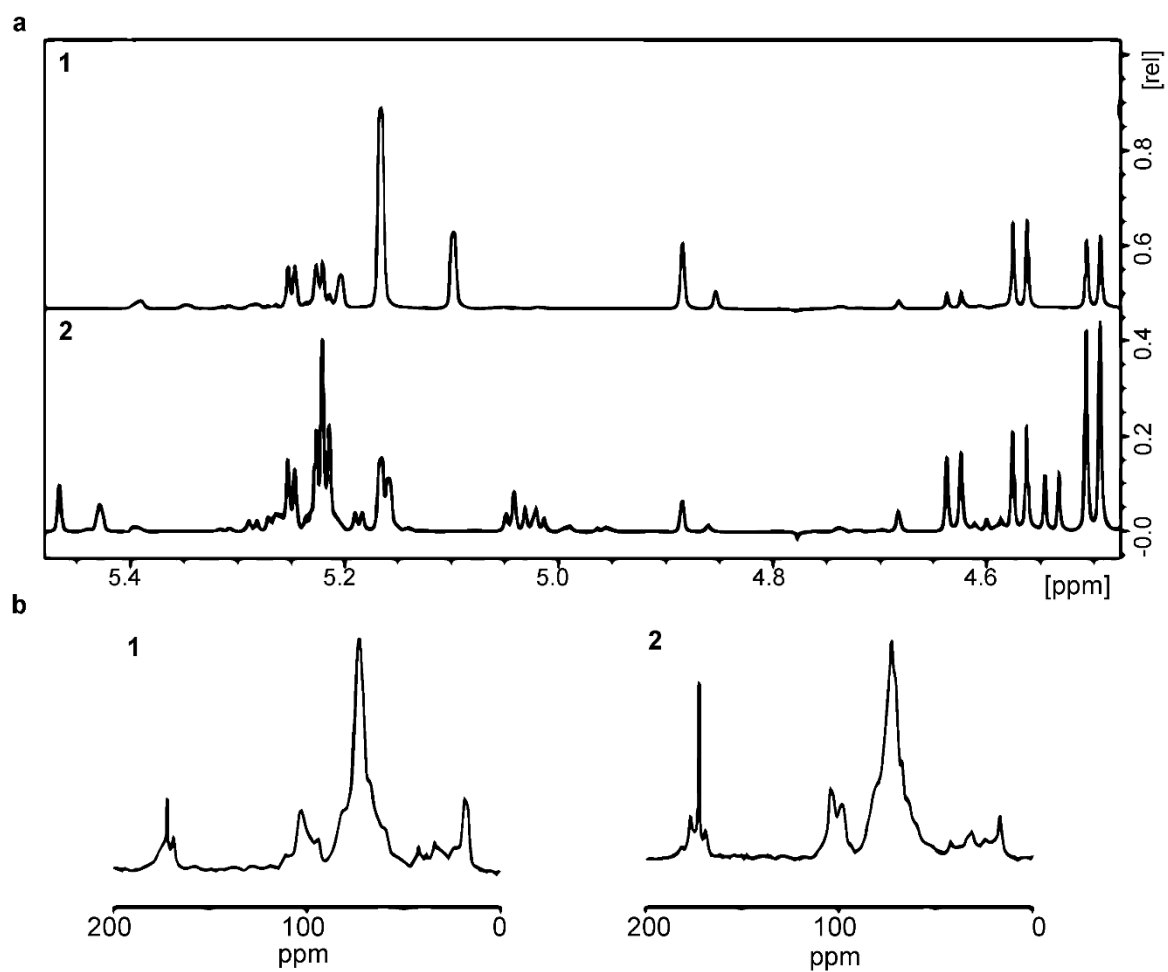
**Supplementary Material**



**Fig. S1.** High performance size-exclusion chromatography (HPSEC) equipped with a refractive index detector (RID) analysis of the *Acidobacteria* strains WH15 (a) and 5B5 (b).



**Fig. S2.** Fourier transform infrared (FT-IR) spectra of exopolysaccharide produced by *Granulicella* sp. (a) WH15 and (b) 5B5 strains. These are original absorbance spectra. All spectra normalized by the absorption band at 1050 cm<sup>-1</sup>.



**Fig. S3.** Spectra of the EPS produced by *Granulicella* sp. (1) 5B5 and (2) WH15 strains. (a)  $^1\text{H}$  NMR spectrum (b)  $^{13}\text{C}$  NMR spectrum.