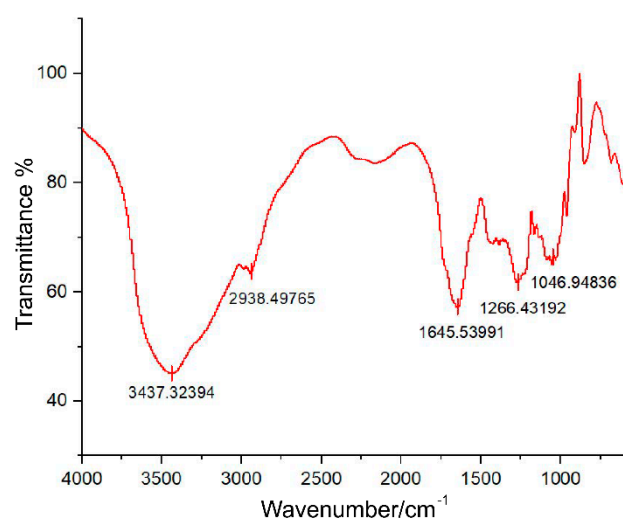


**Figure S1. (a) Molecular Weight Dtermination. (b) HPLC analysis for SjC.**



**Figure S2. The IR spectrometer of SjC.**

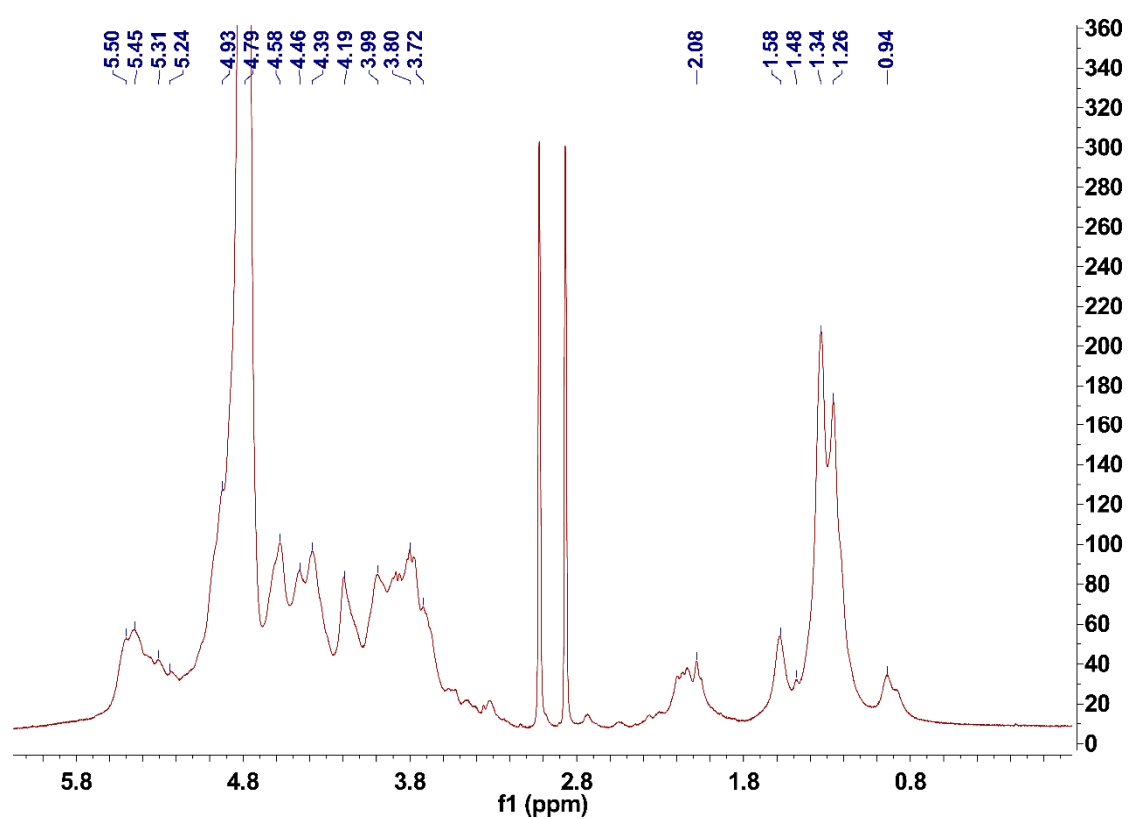


Figure S3.  $^1\text{H}$ -NMR spectra of SjC.

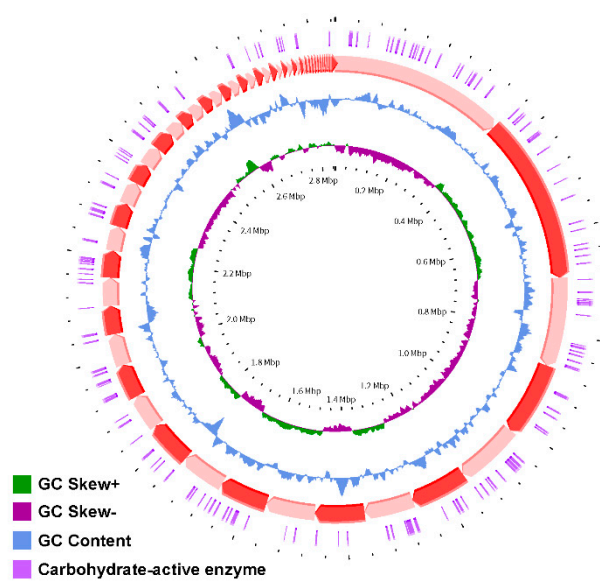


Figure S4. Draft genome of *Akkermansia*.