Supporting Information

Complete characterization of the O-antigen from the LPS of *Aeromonas bivalvium*

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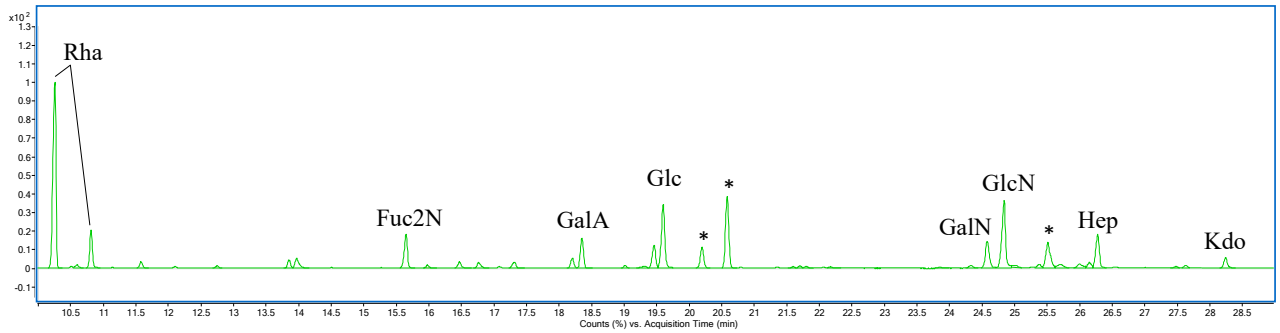

Figure S1. GC-MS chromatogram of AMG of the LPS from *A. bivalvium* strain 868E^T. The peaks marked with asterisk are contaminants.

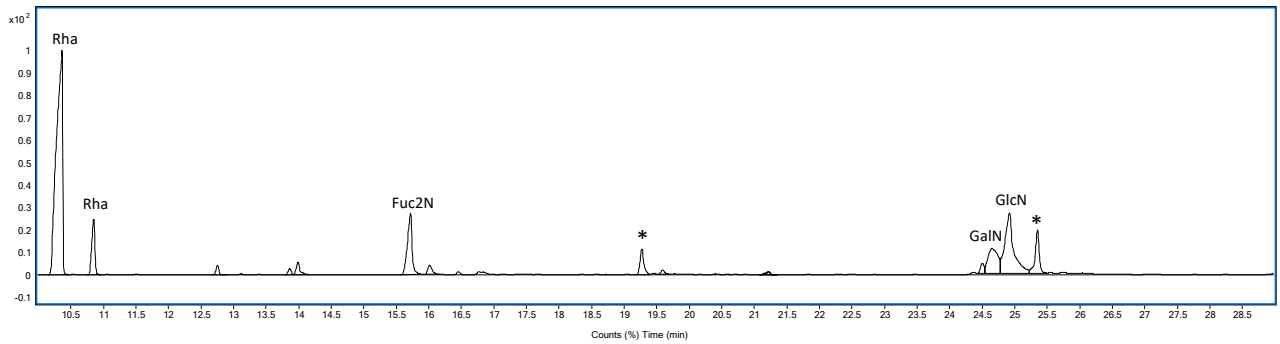

Figure S2. chromatogram of AMG of the purified OPS from *A. bivalvium* strain 868E^T. The peaks marked with asterisk are contaminants.

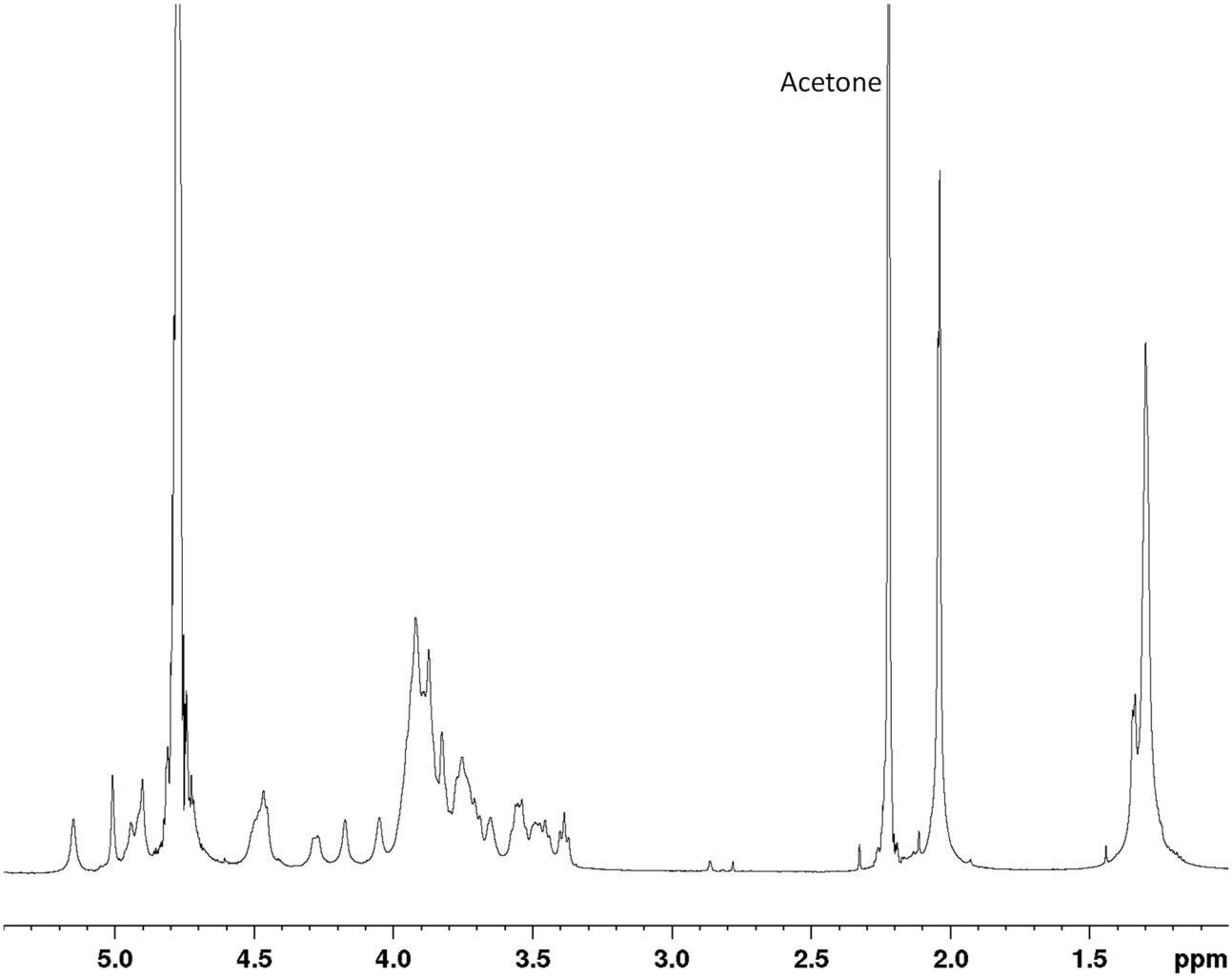

Figure S3. ^{1}H NMR spectrum of the OPS from *A. bivalvium* strain 868E^{T}. The spectrum was recorded in D_2O at 298K.

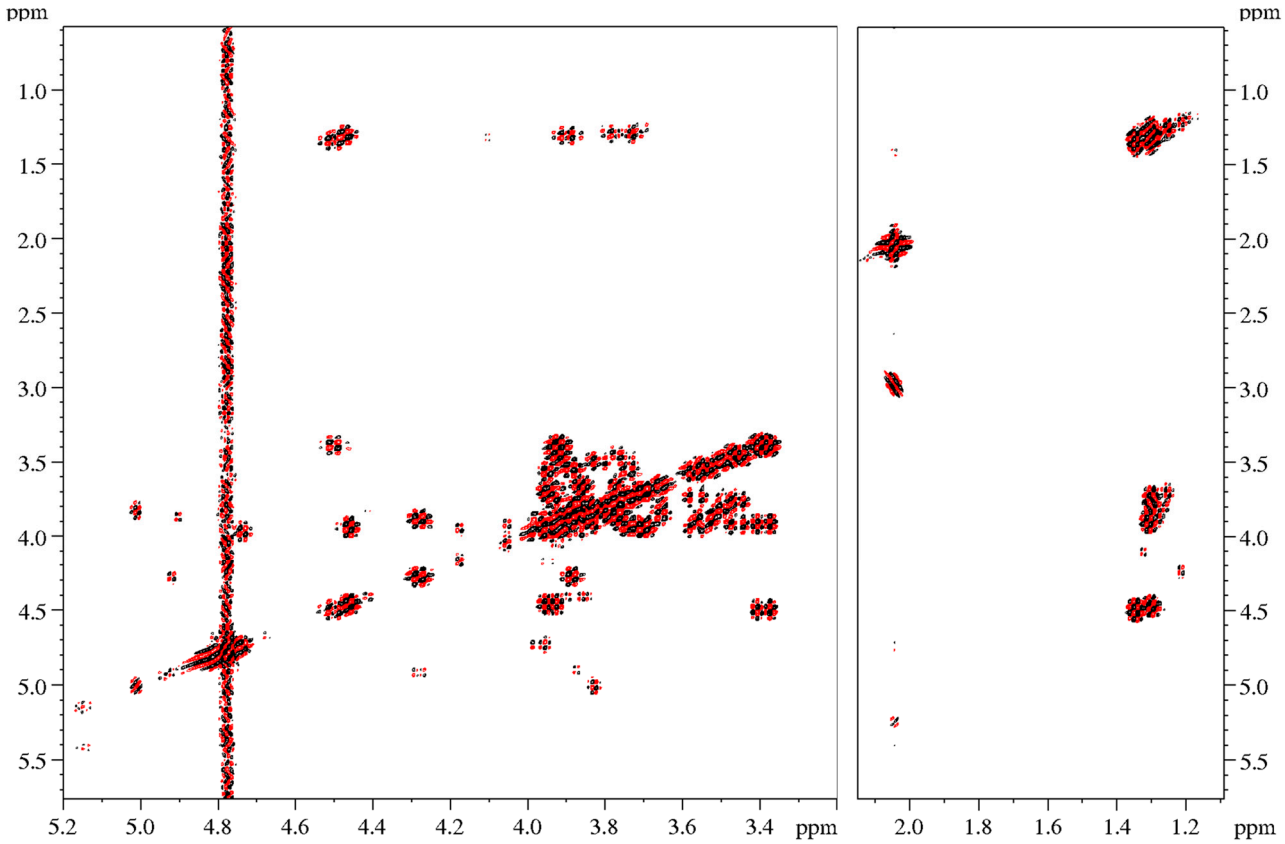

Figure S4. Selected regions of ^{1}H-^{1}H COSY spectrum of the OPS from *A. bivalvium* strain 868E^{T}. The spectrum was recorded in D_2O at 298K.

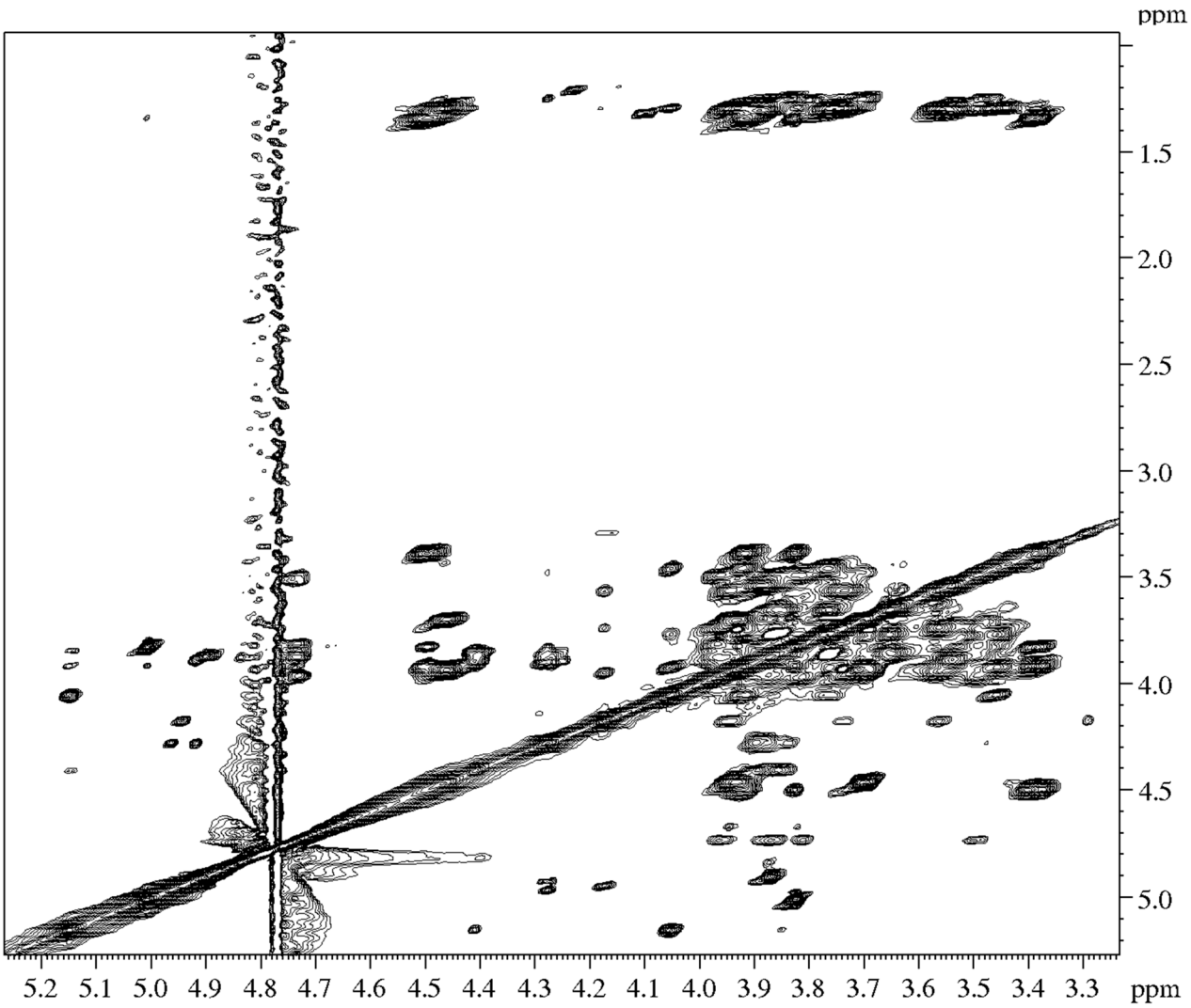

Figure S5. Selected region of ^{1}H-^{1}H TOCSY spectrum of the OPS from *A. bivalvium* strain 868E^{T}. The spectrum was recorded in D_2O at 298K.

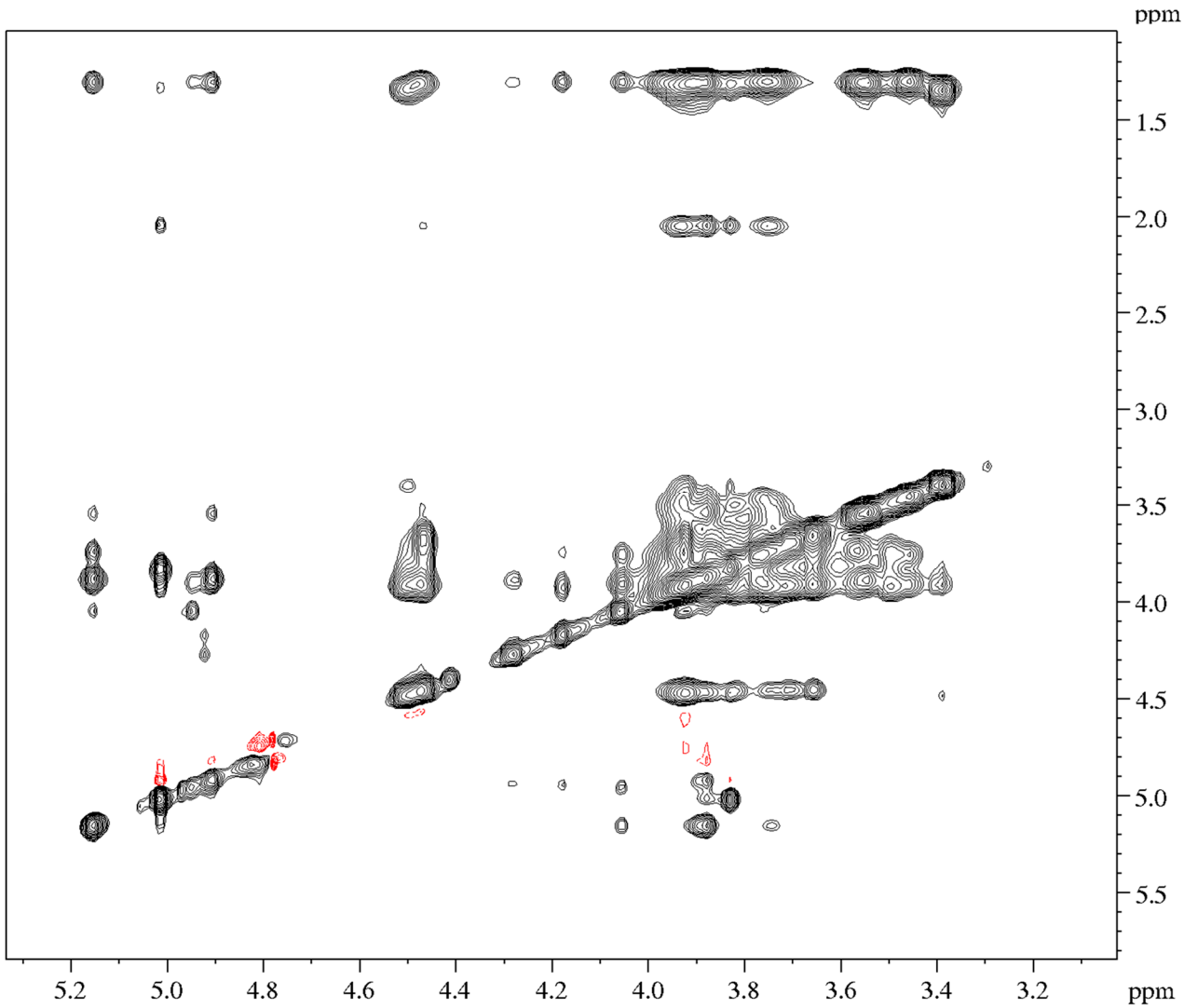

Figure S6. Selected region of ^{1}H-^{1}H NOESY spectrum of the OPS from *A. bivalvium* strain 868E^{T}. The spectrum was recorded in D_2O at 298K.

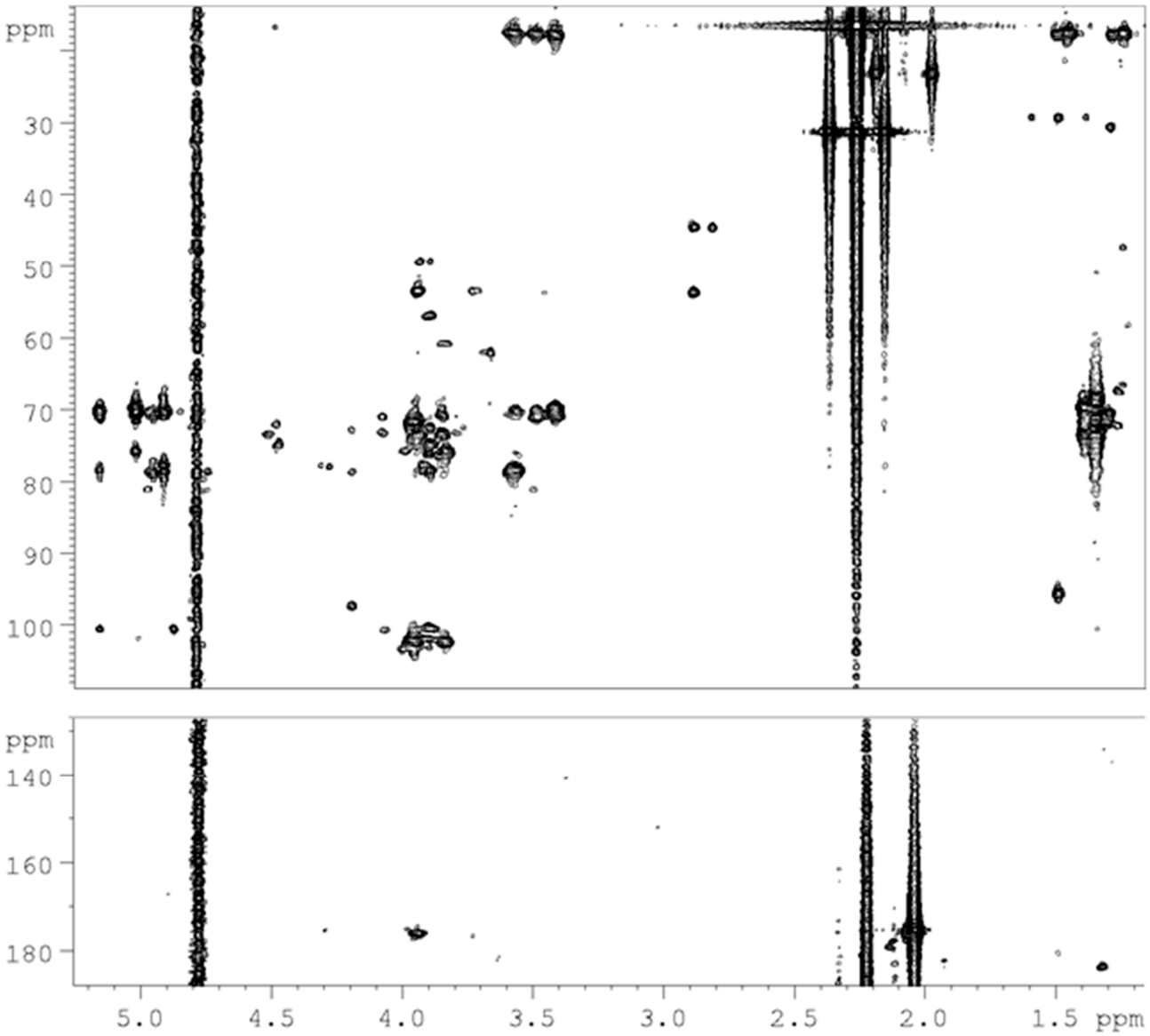

Figure S7. ^{1}H-^{13}C HMBC spectrum of the OPS from *A. bivalvium* strain 868E^{T}. The spectrum was recorded in D_2O at 298K.