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Virtual decoupling to break the simplification versus resolution trade-off in nuclear magnetic resonance of complex metabolic mixtures

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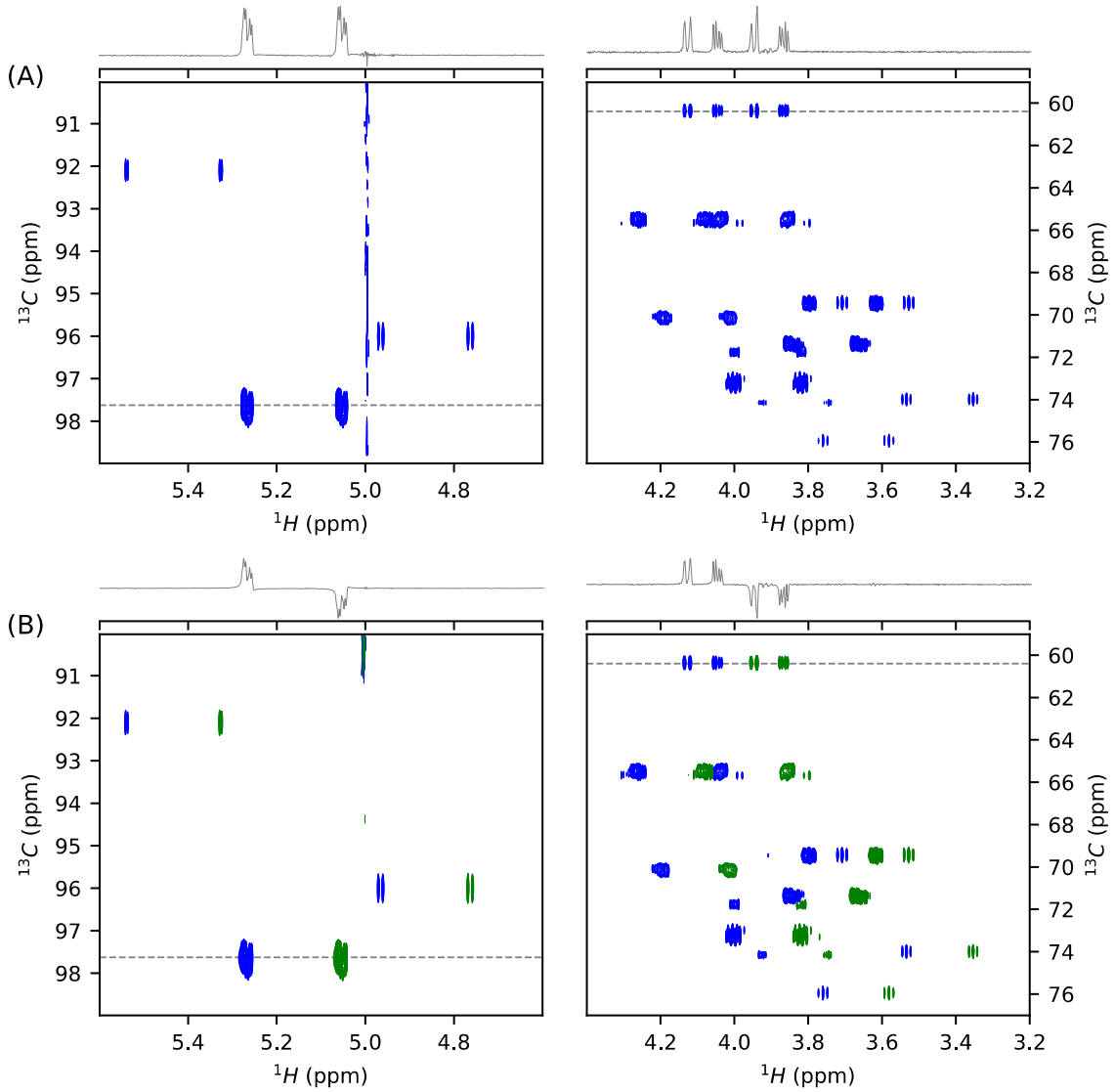

Figure S1. CLIP/CLAP HSQC spectra of the isolated dextran oligosaccharide. (A) CLIP-HSQC (B) CLAP-HSQC shown with positive contours in blue and negative in green. 1D ^{1}H spectra correspond to the traces (dotted lines) displayed on each panel.

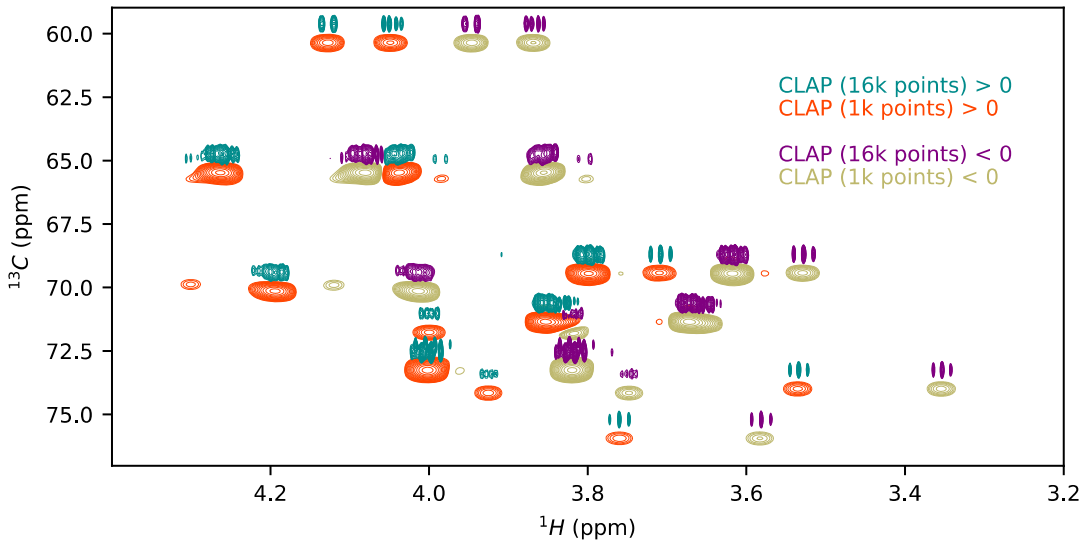

Figure S2. CLAP spectra acquired on the isolated dextran oligosaccharide processed with 16k points (cyan and purple) or with 1k points (orange and kakhi). The CLAP spectrum with 16k points was artificially shifted for visualization.

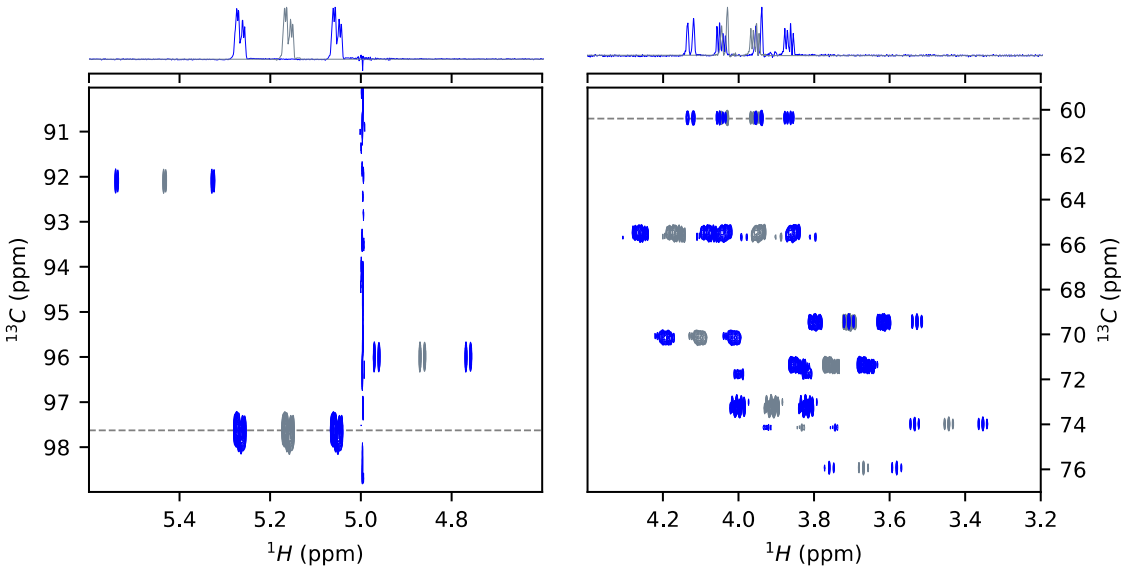

Figure S3. vd-HSQC (gray) overlay with the CLIP (blue) spectra on the isolated dextran oligosaccharide.