Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Fluorescence probes for both prokaryotic and eukaryotic cells using new Rhenium (I) tricarbonyl complexes with an electron withdrawing ancillary ligand †

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† Electronic supplementary information (ESI) available.

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Supplementary Information

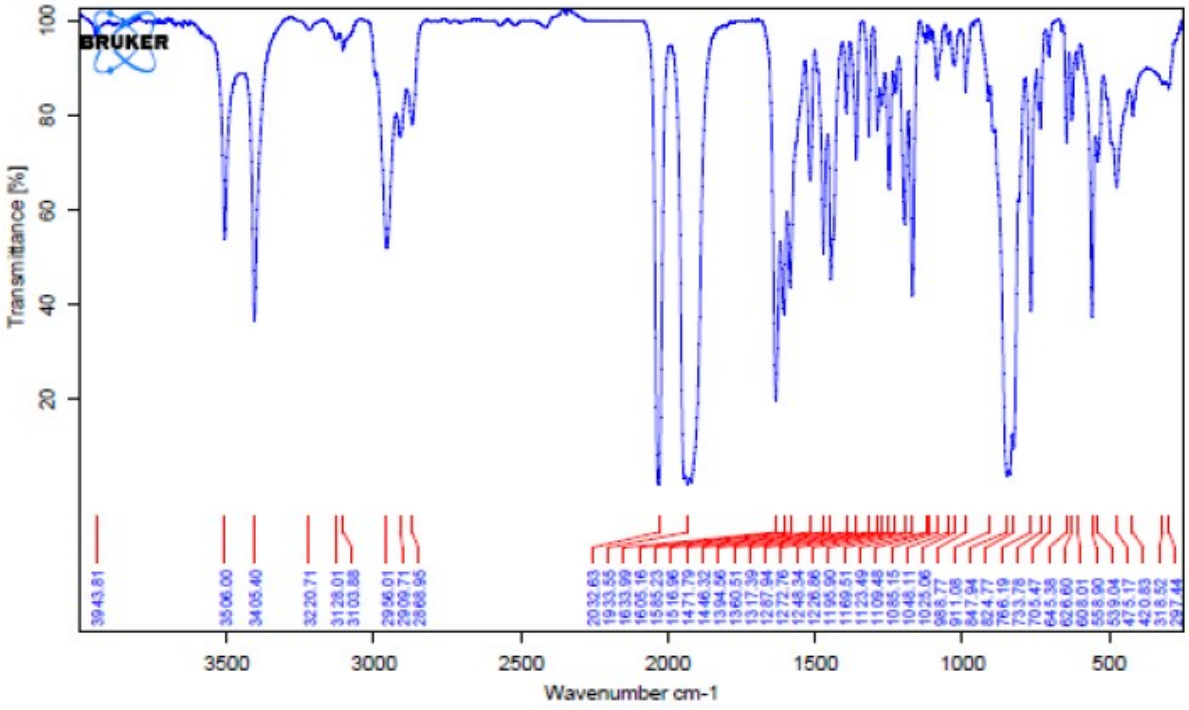

Figure S1. FTIR of **C3** complex.

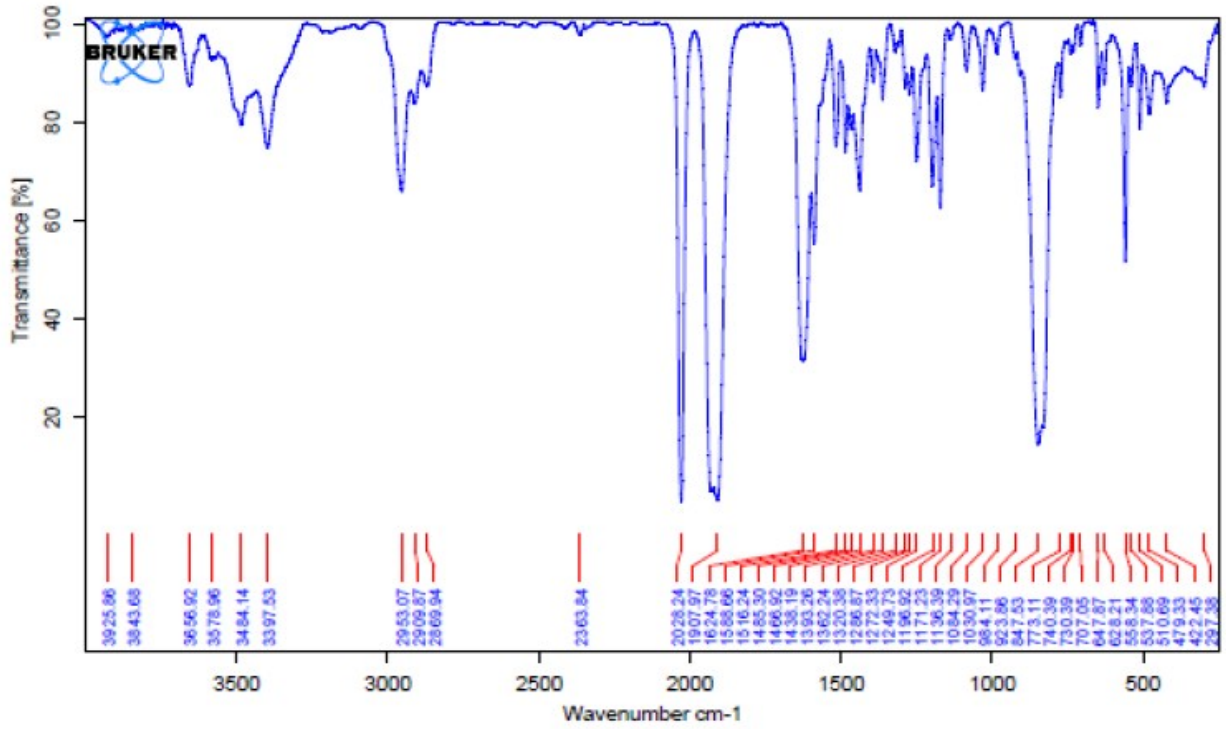

Figure S2. FTIR of **C4** complex.

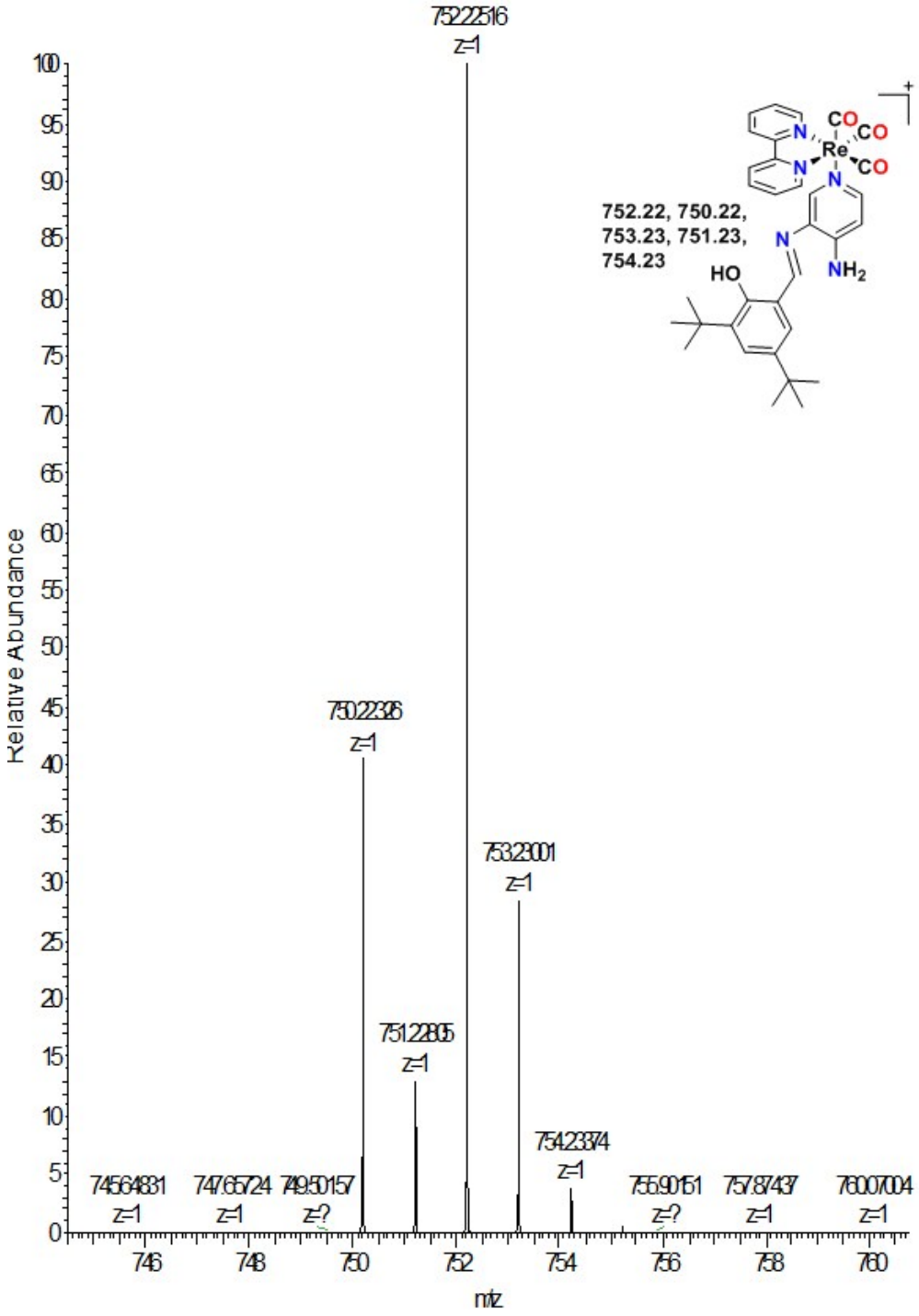

Figure S3. Mass spectra of **C3**.

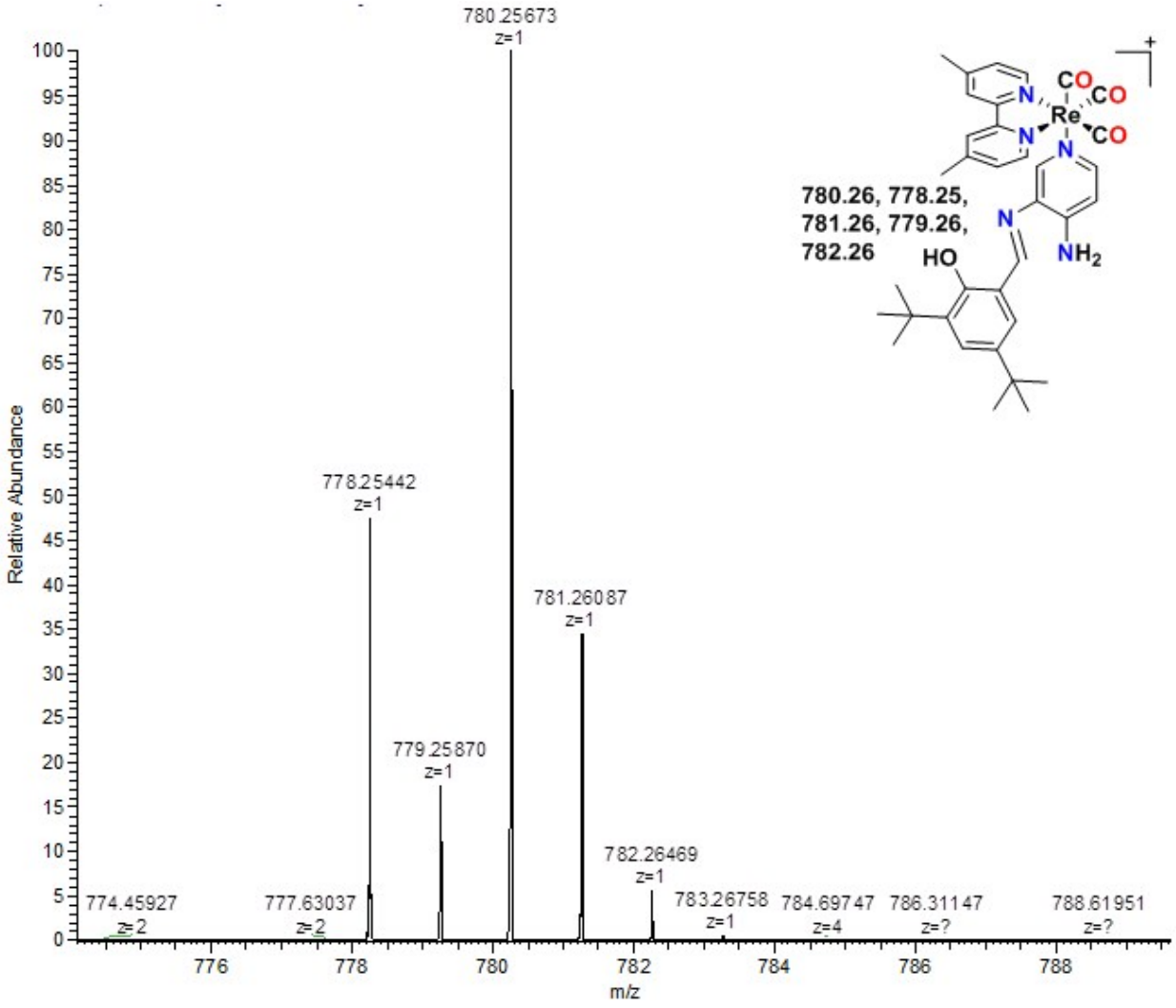

Figure S4. Mass spectra of **C4**.

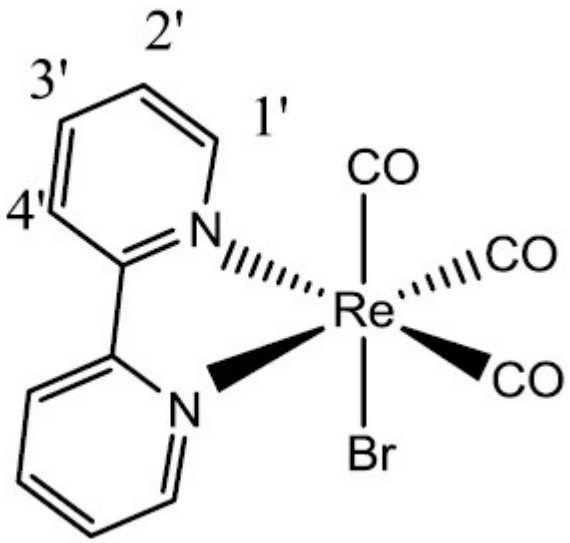

Figure S5. Numbering of protons for **C1** complex.

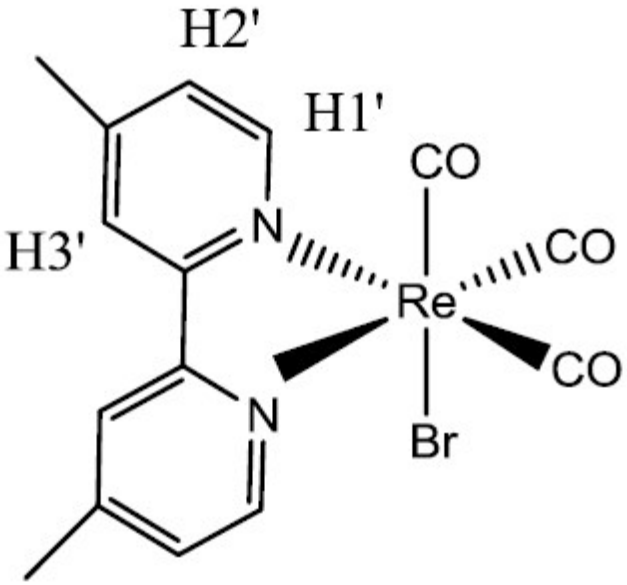

Figure S6. Numbering of protons of **C2** complex.

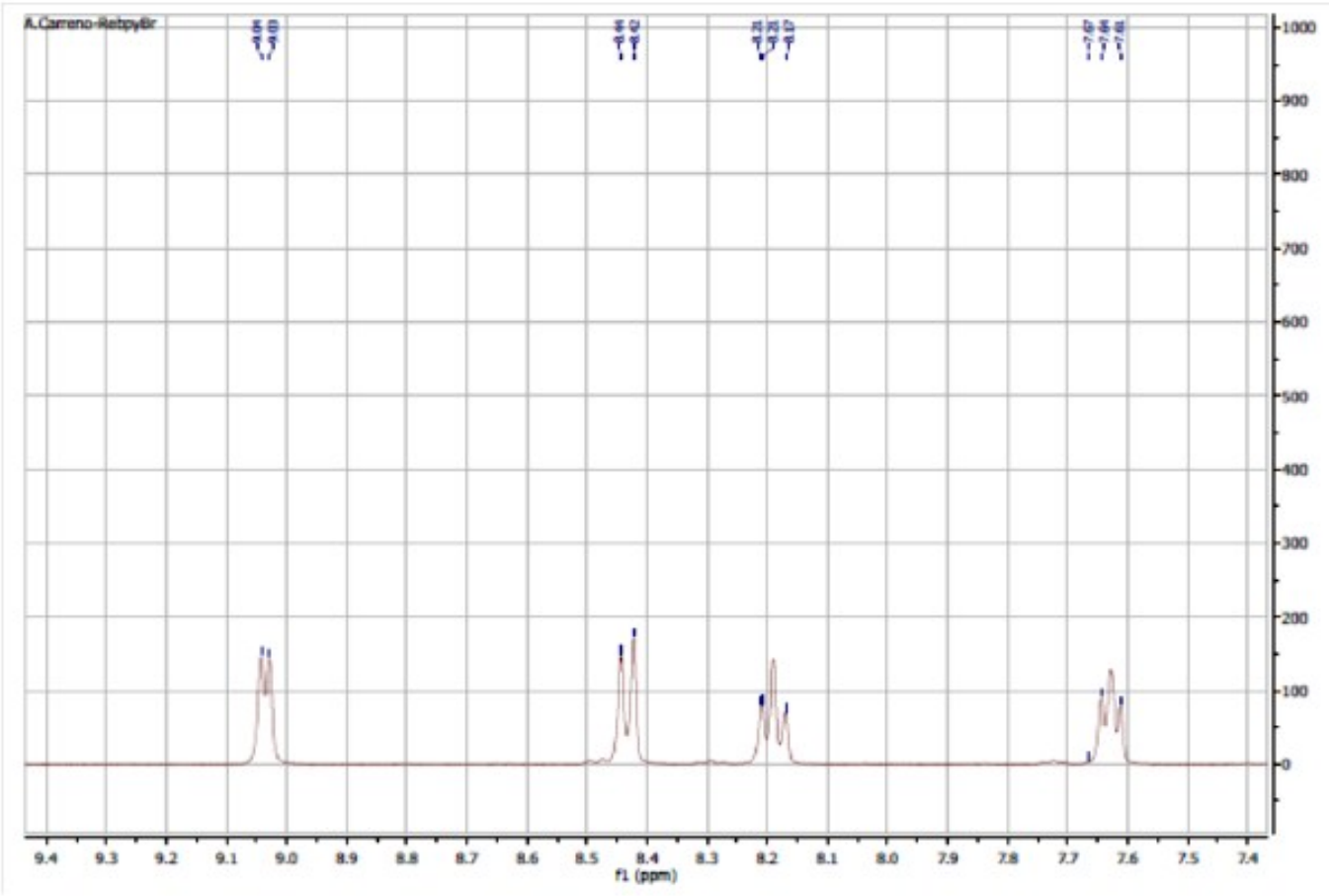

Figure S7. [1]HNMR of **C1** complex.

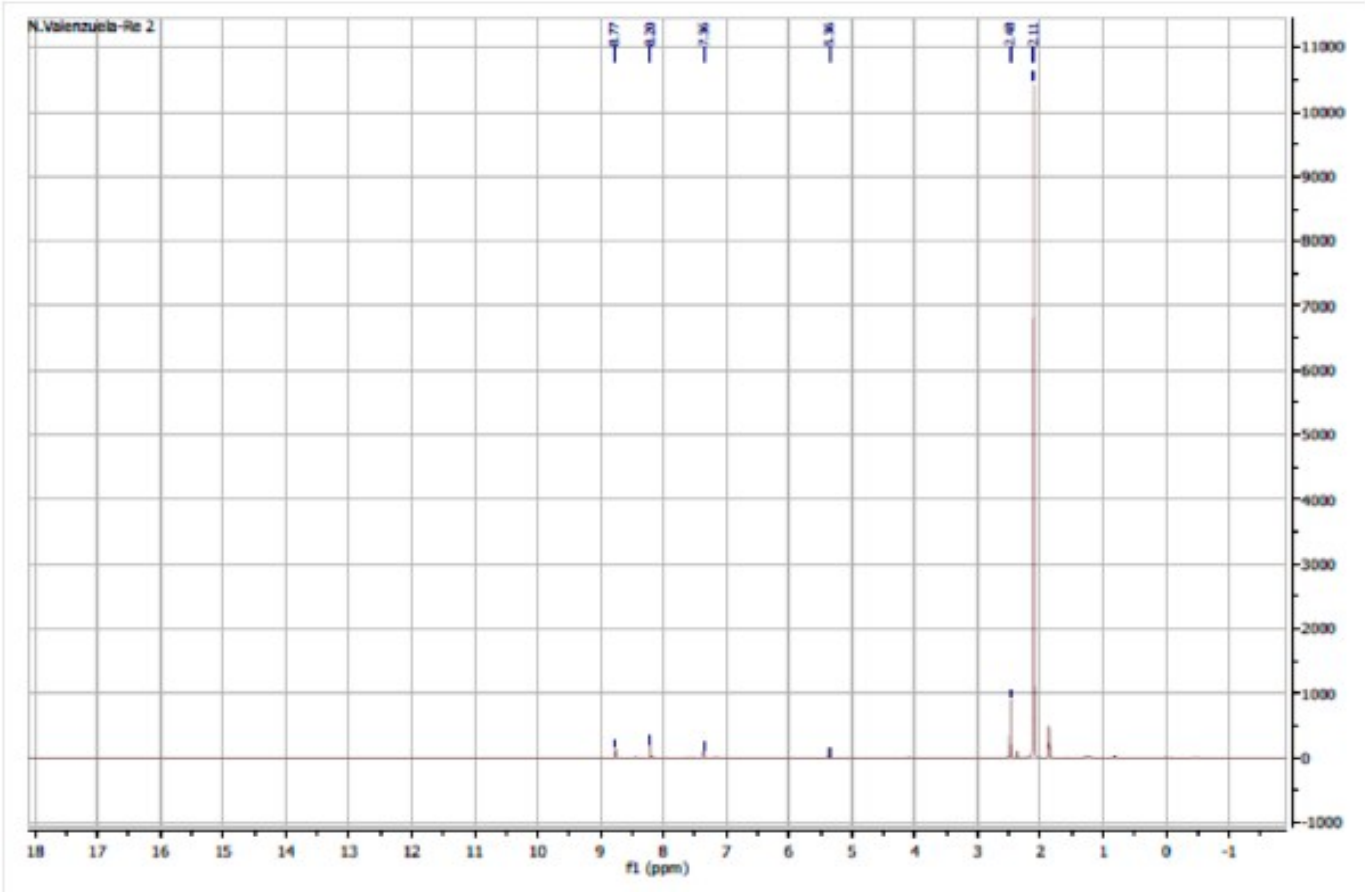

Figure S8. [1]HNMR of **C2** complex.

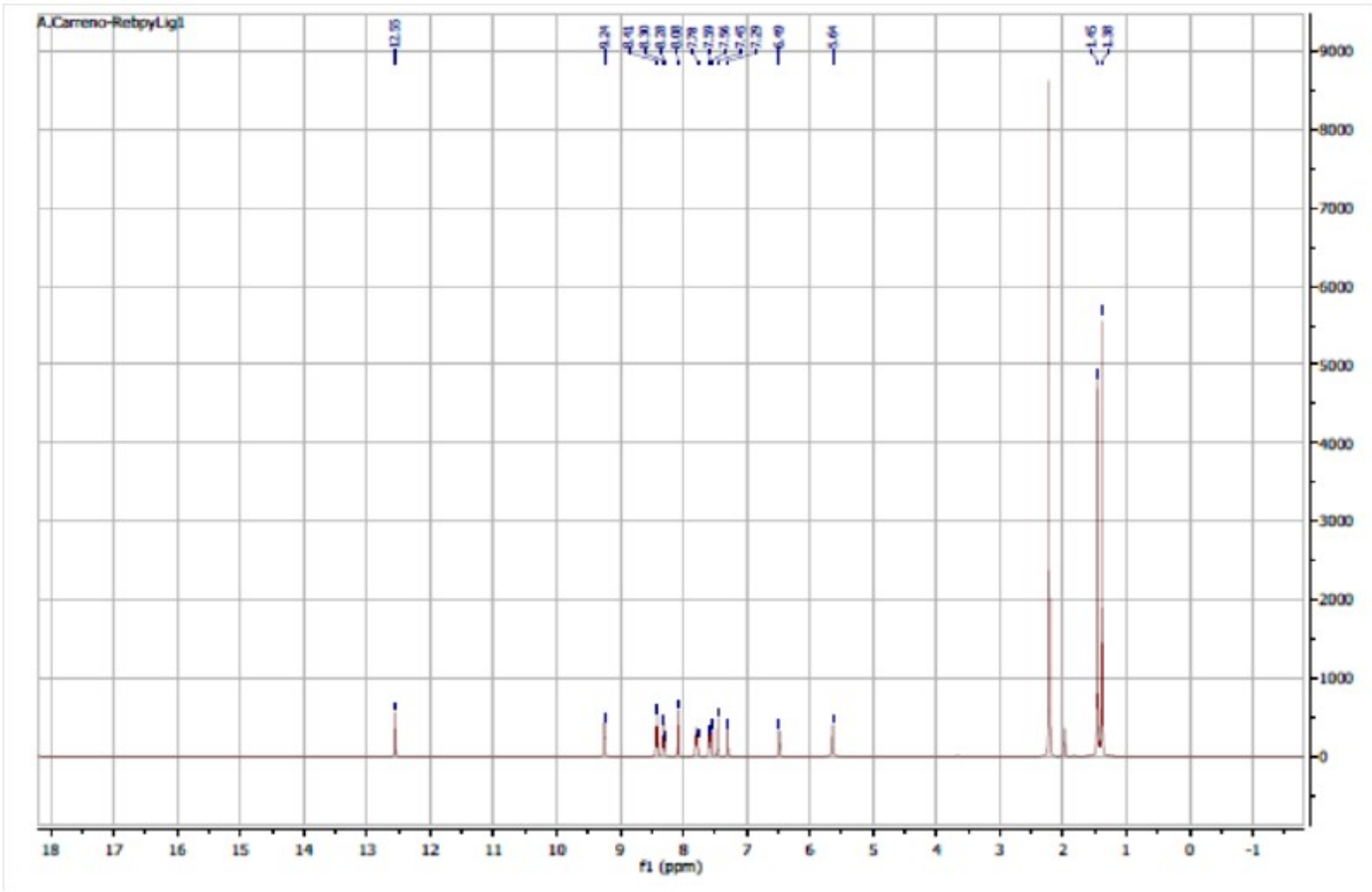

Figure S9. [1]HNMR of **C3** complex.

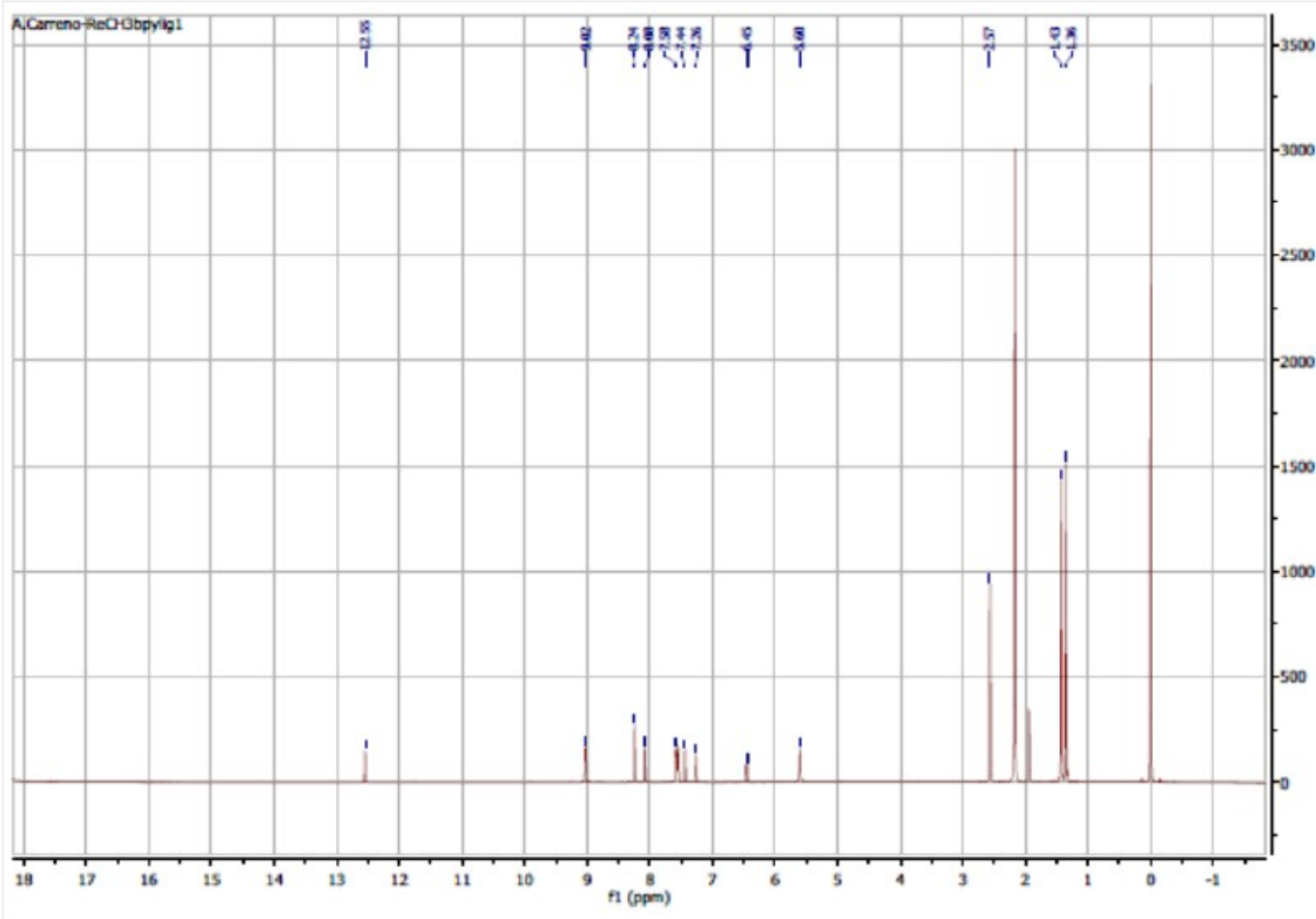

Figure S10. [1]HNMR of **C4** complex.

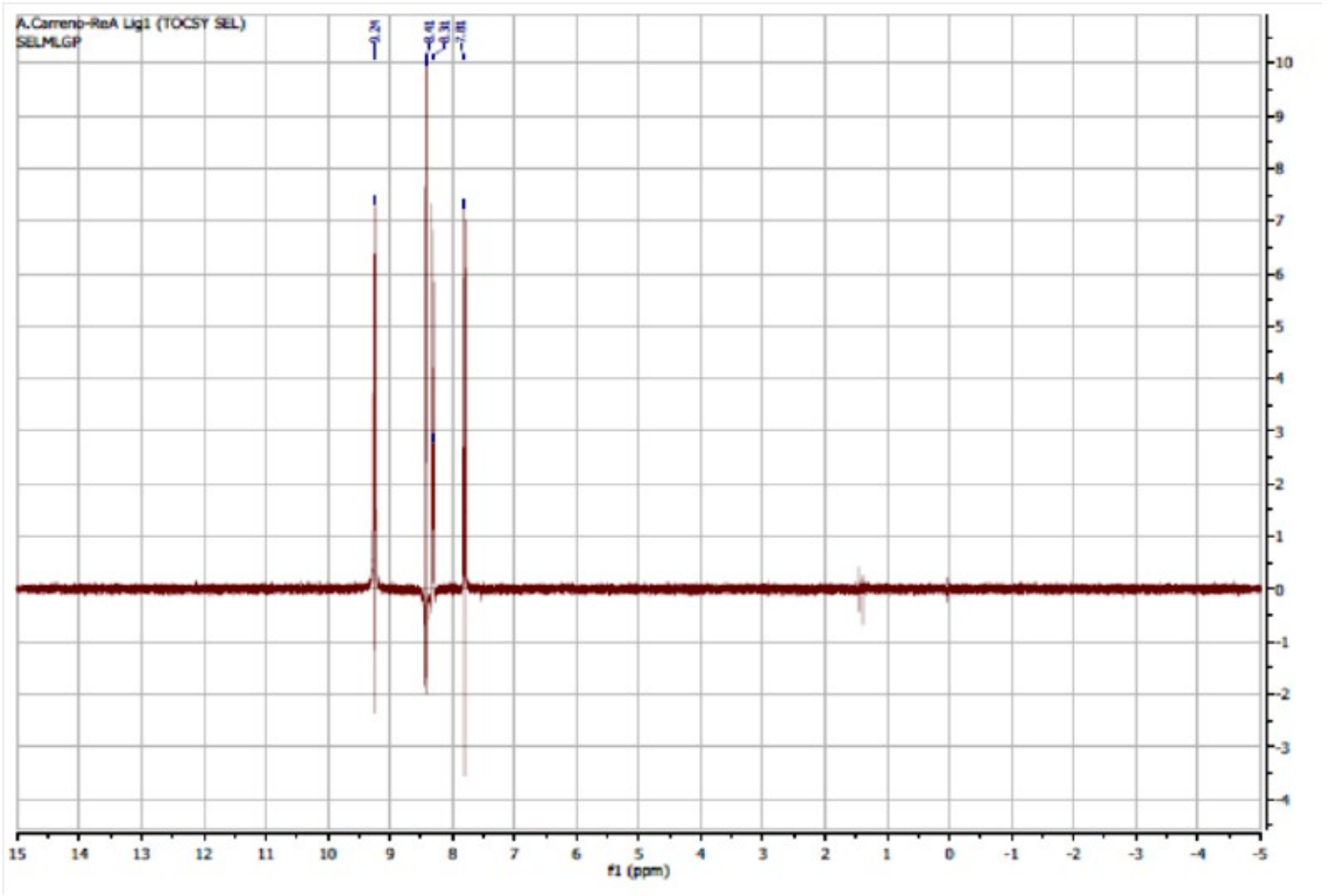

Figure S11. 1D TOCSY experiment for **C3** irradiating at 9.24 ppm.

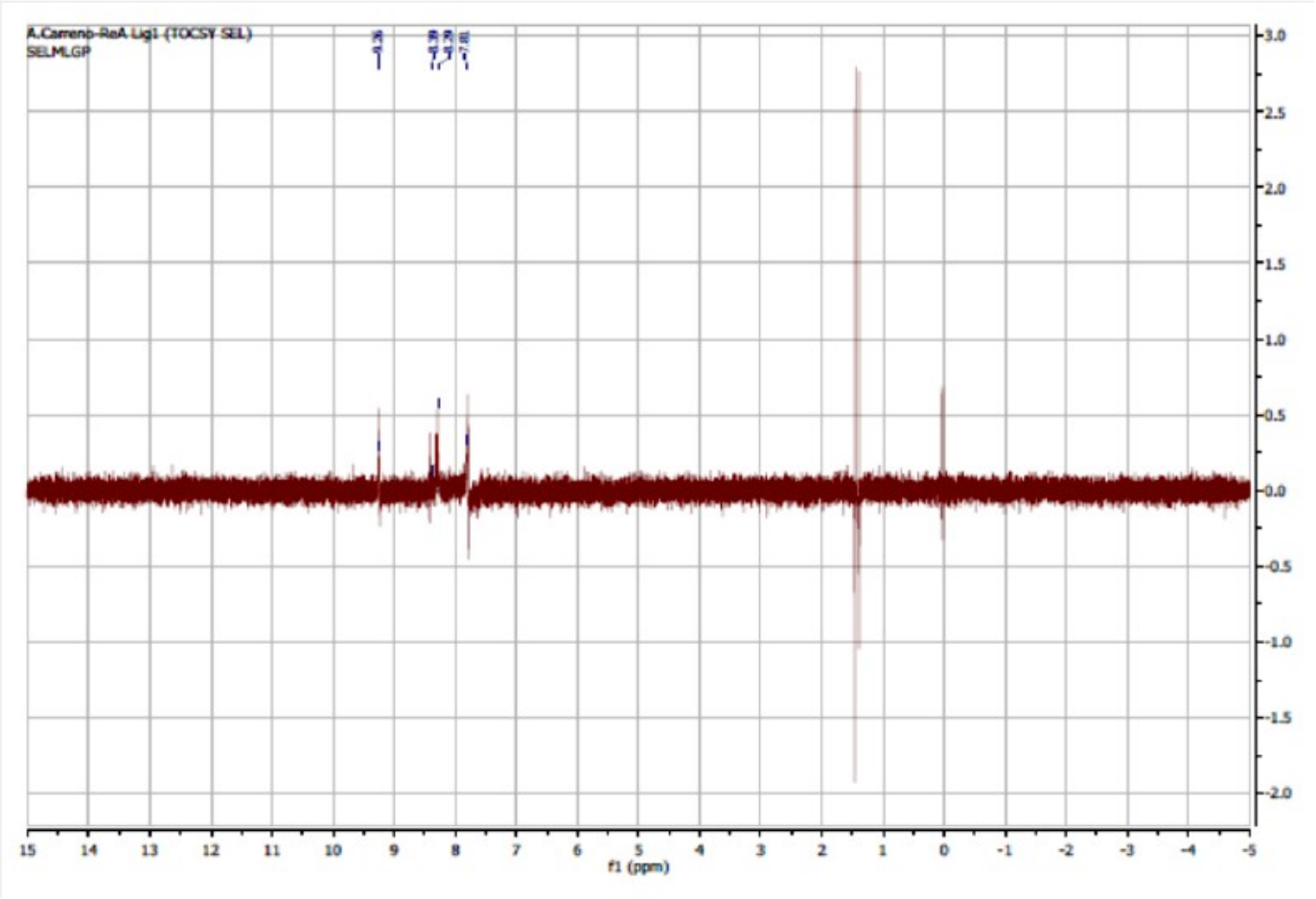

Figure S12. 1D TOCSY experiment for **C3** irradiating at 8.39 ppm.

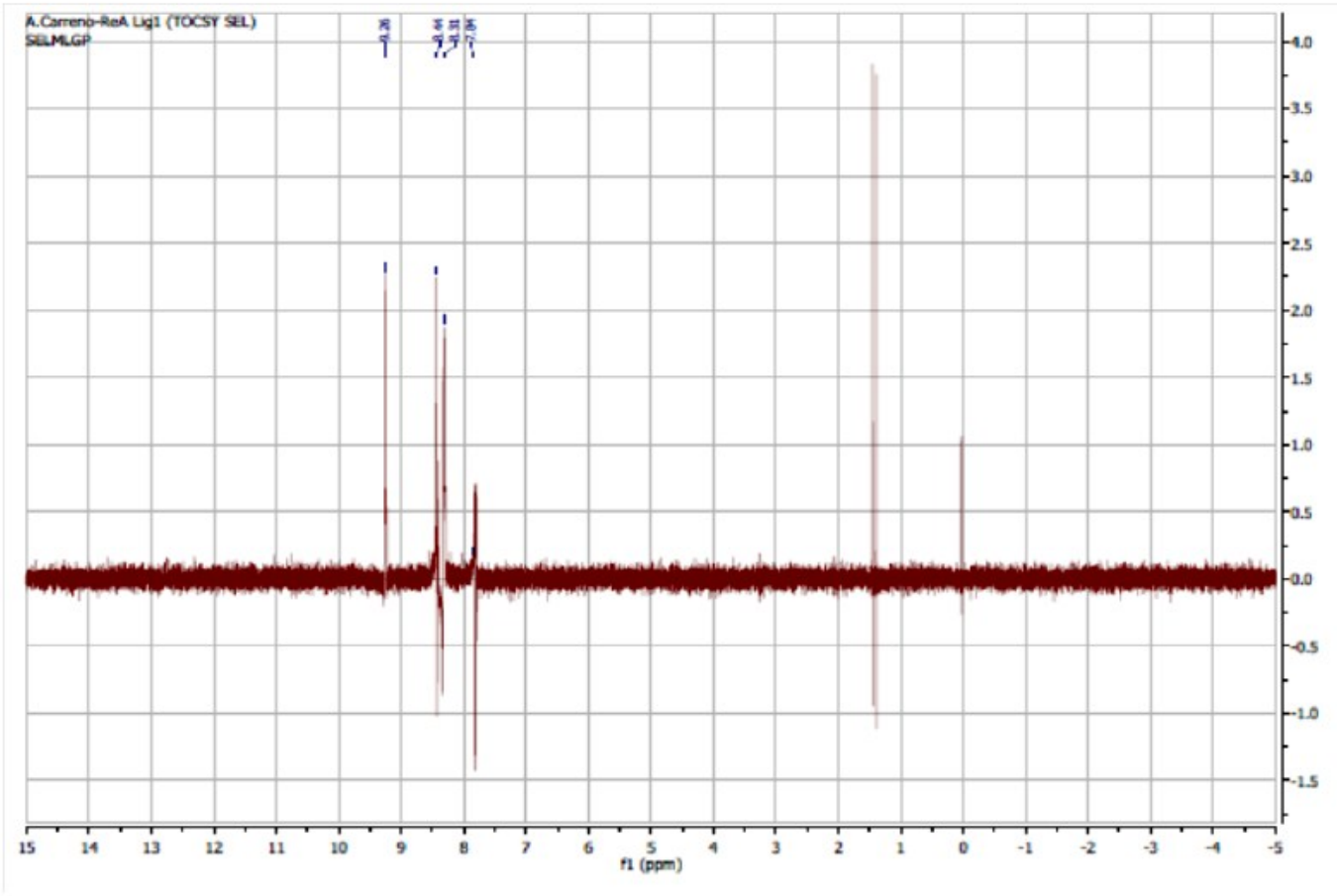

Figure S13. 1D TOCSY experiment for **C3** irradiating at 8.27 ppm.

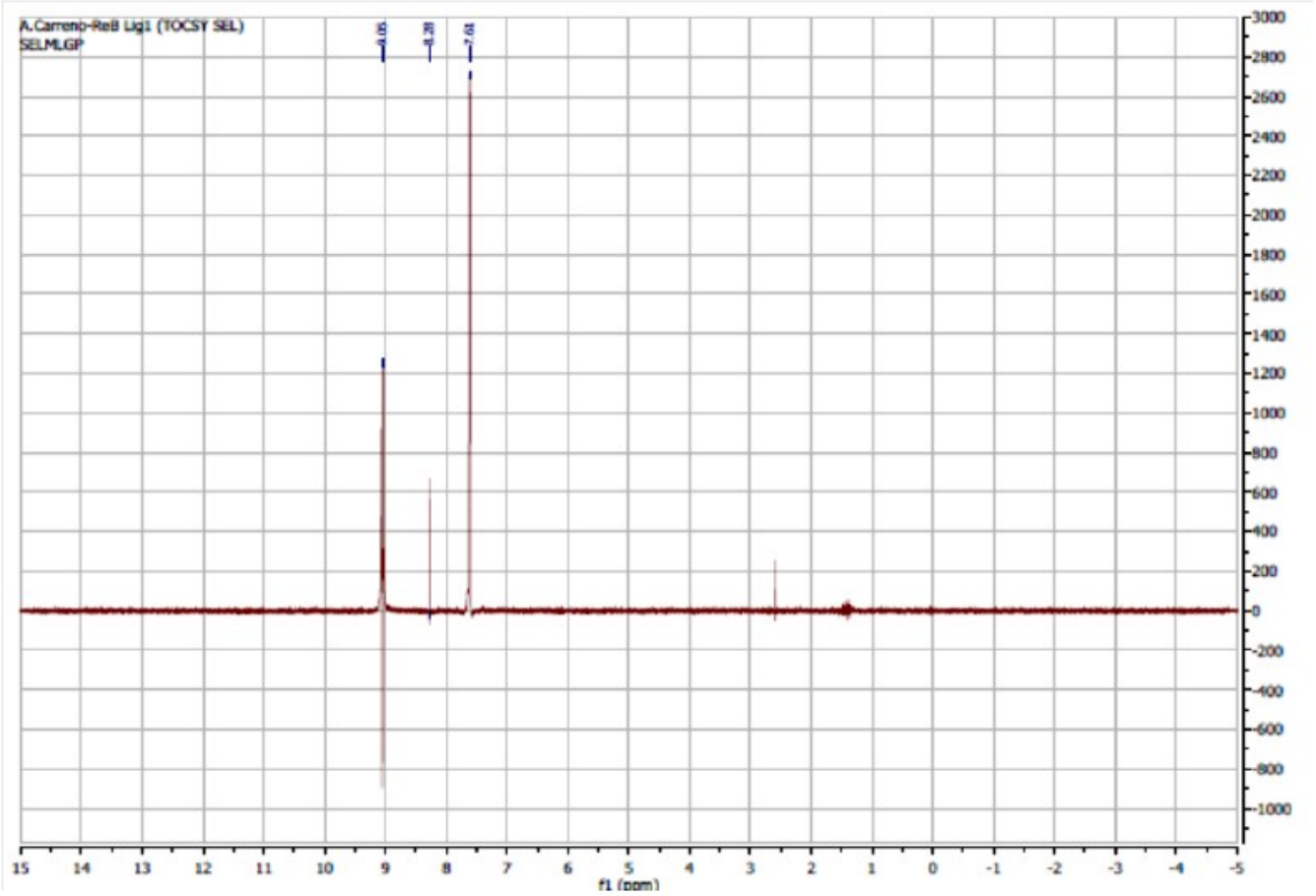

Figure S14. 1D TOCSY experiment for **C4** irradiating 9.03 ppm.

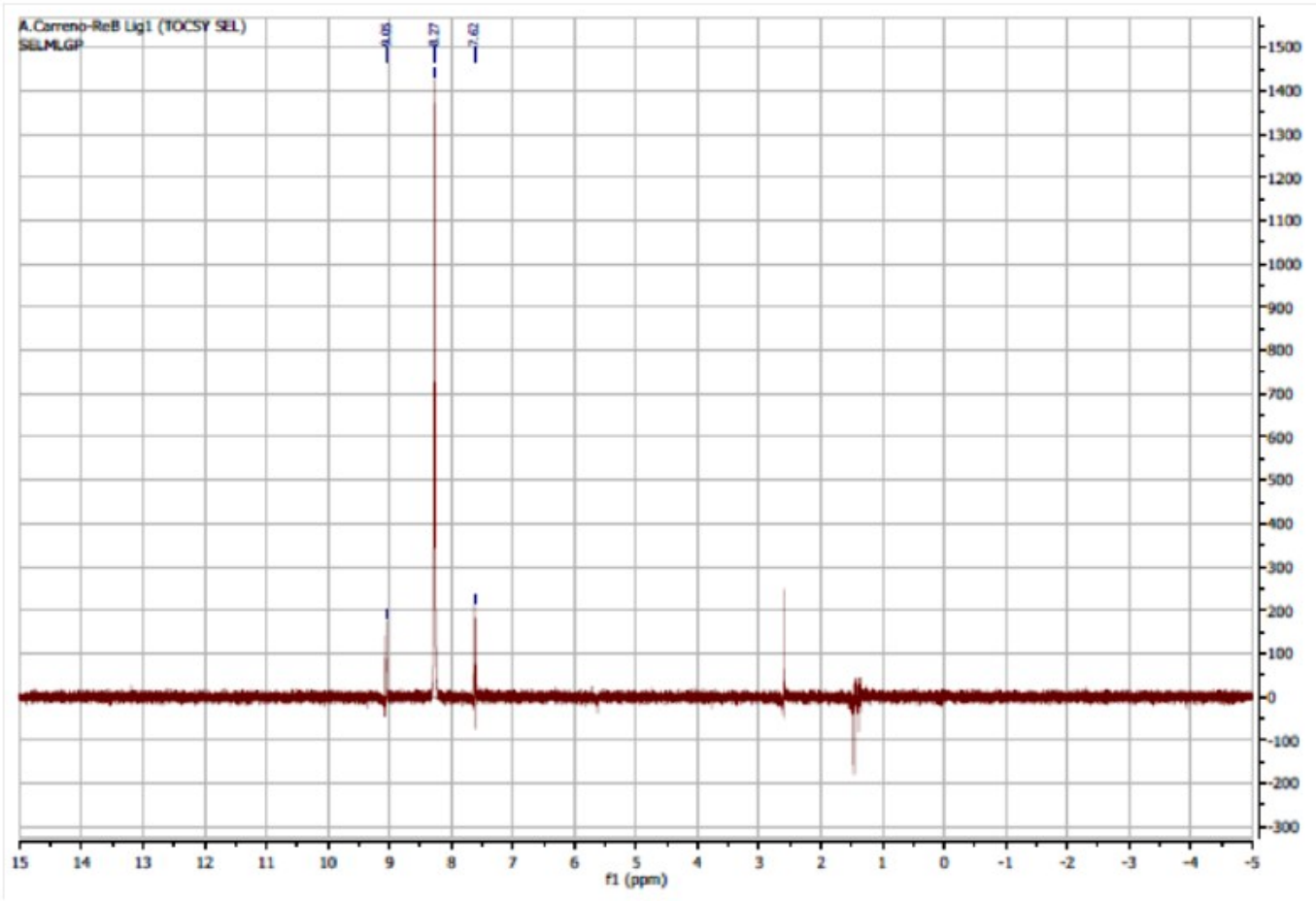

Figure S15. 1D TOCSY experiment for **C4** irradiating 8.28 ppm.

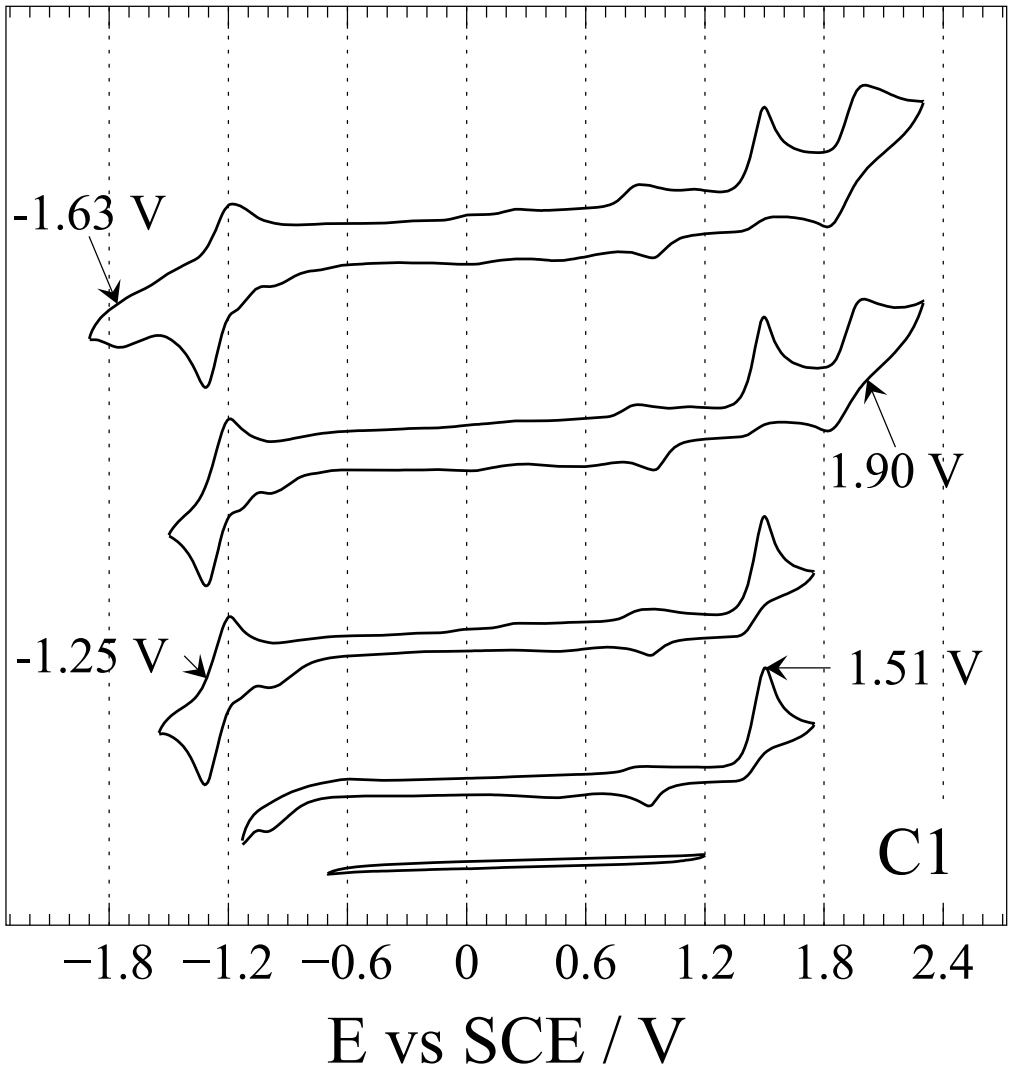

Figure S16. CV working-window study of **C1**. Interface: Interface: Pt | 1.0 x 10^{-5} M of analyte + 1.0 x 10^{-4} M $TBAPF_6$ in anhydrous CH_3CN *under an argon atmosphere.*

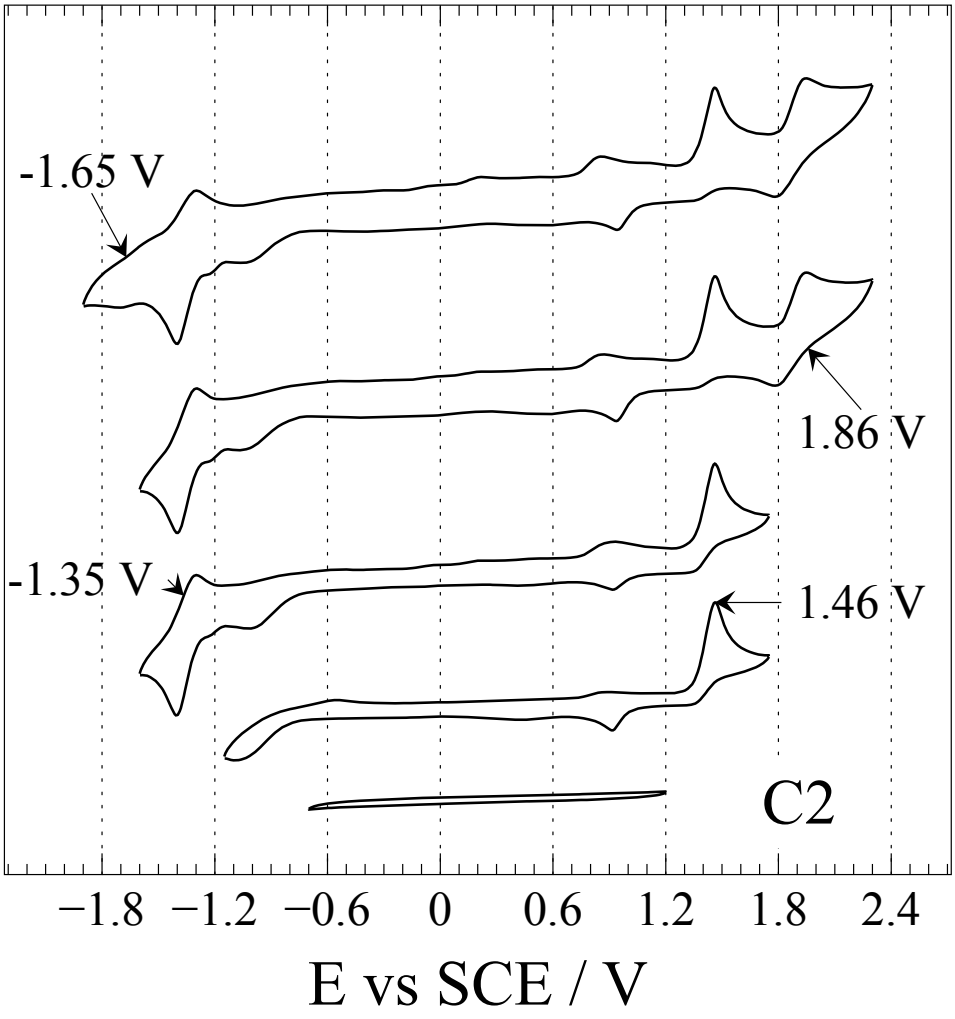

Figure S17. CV working-window study of **C2**. Interface: Interface: Pt | 1.0 x 10^{-5} M of analyte + 1.0 x 10^{-4} M $TBAPF_6$ in anhydrous CH_3CN *under an argon atmosphere.*

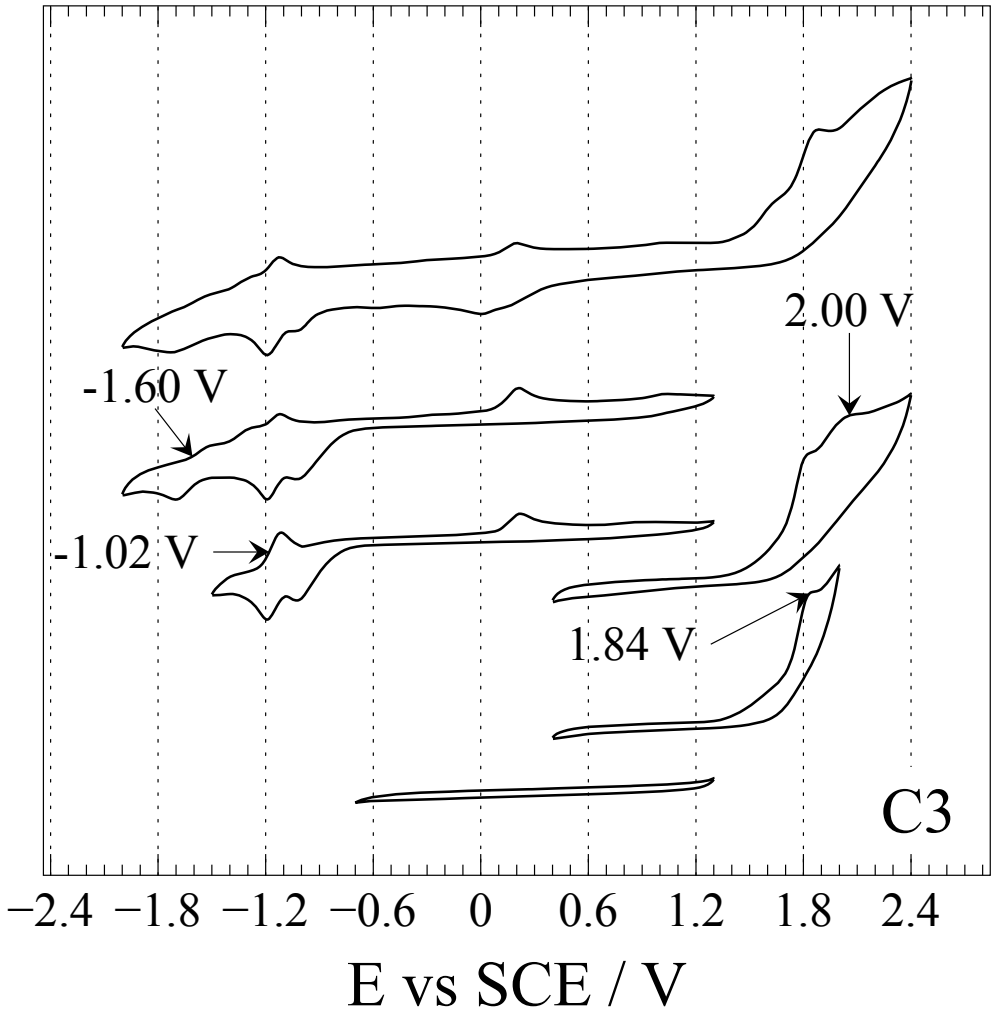

Figure S18. CV working-window study of **C3**. Interface: Interface: Pt | 1.0 x 10^{-5} M of analyte + 1.0 x 10^{-4} M $TBAPF_6$ in anhydrous CH_3CN *under an argon atmosphere.*

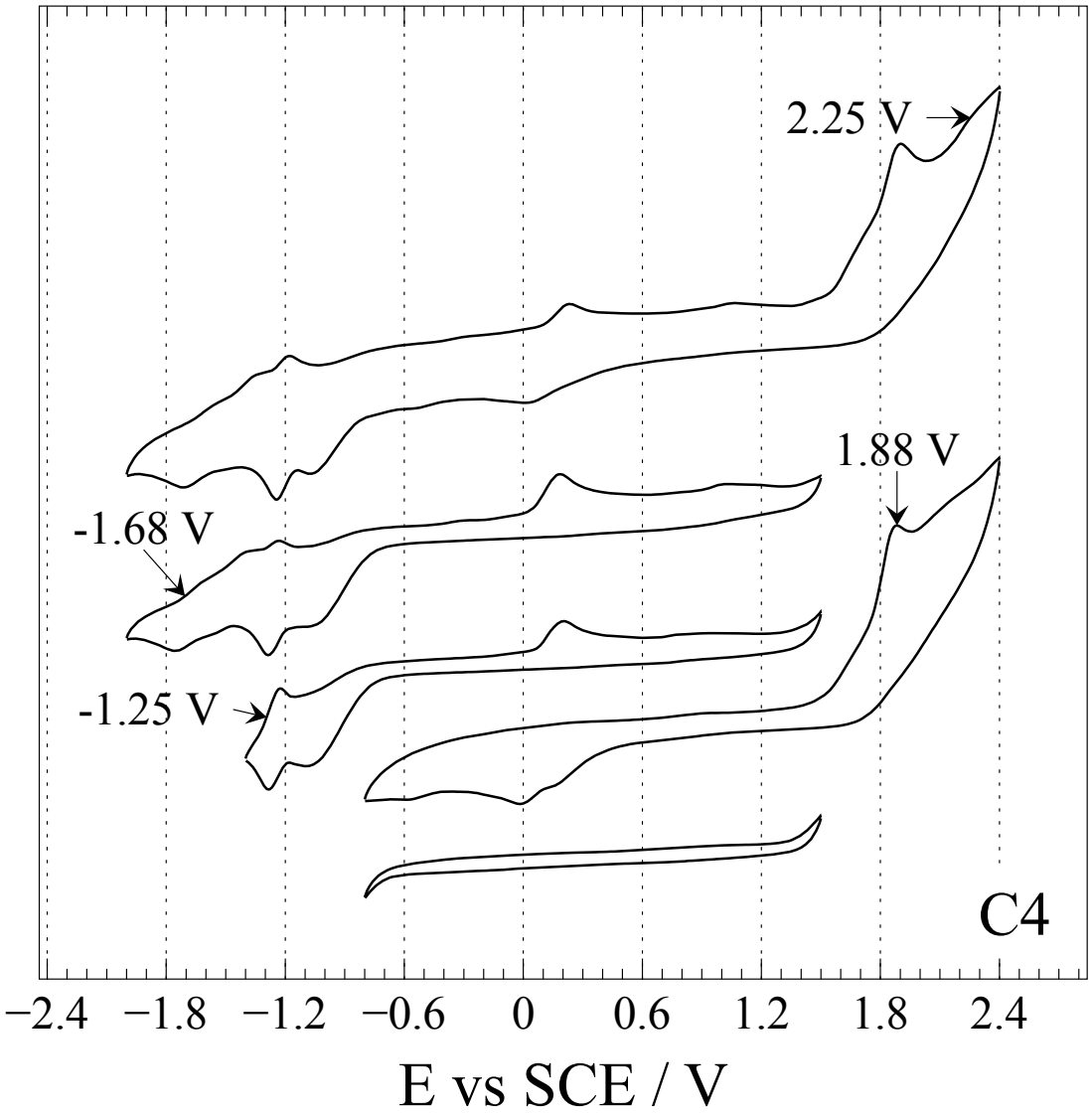

Figure S19. CV working-window study of **C4**. Interface: Interface: Pt | 1.0 x 10^{-5} M of analyte + 1.0 x 10^{-4} M $TBAPF_6$ in anhydrous CH_3CN *under an argon atmosphere.*

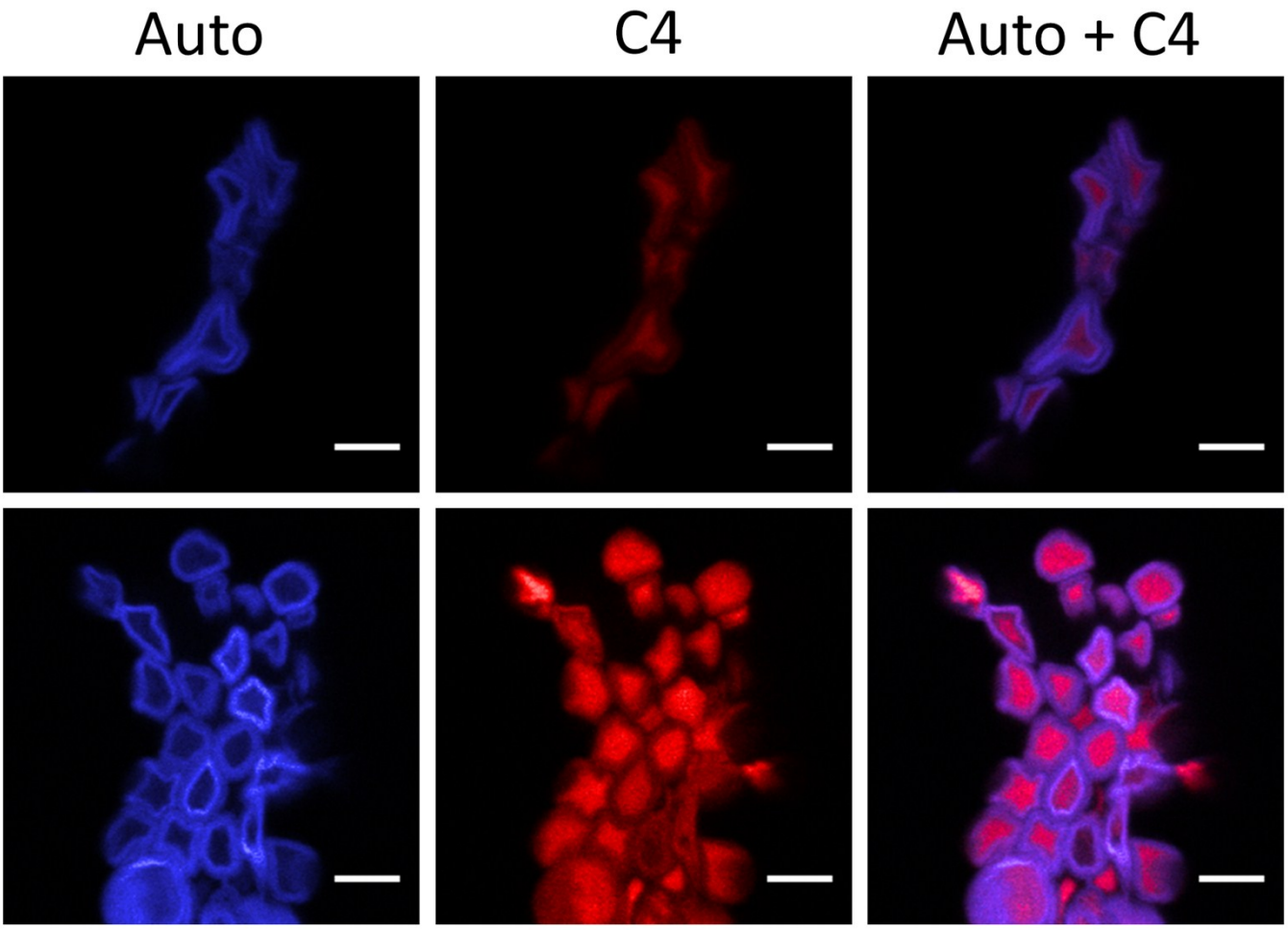

Figure S20. Fluorescence confocal microscopy images showing *Cryptococcus* spp. (yeast) stained with either **C4.** In all the cases, the microorganisms were observed fresh, using a 100X objective. White bars represent 5 μm.