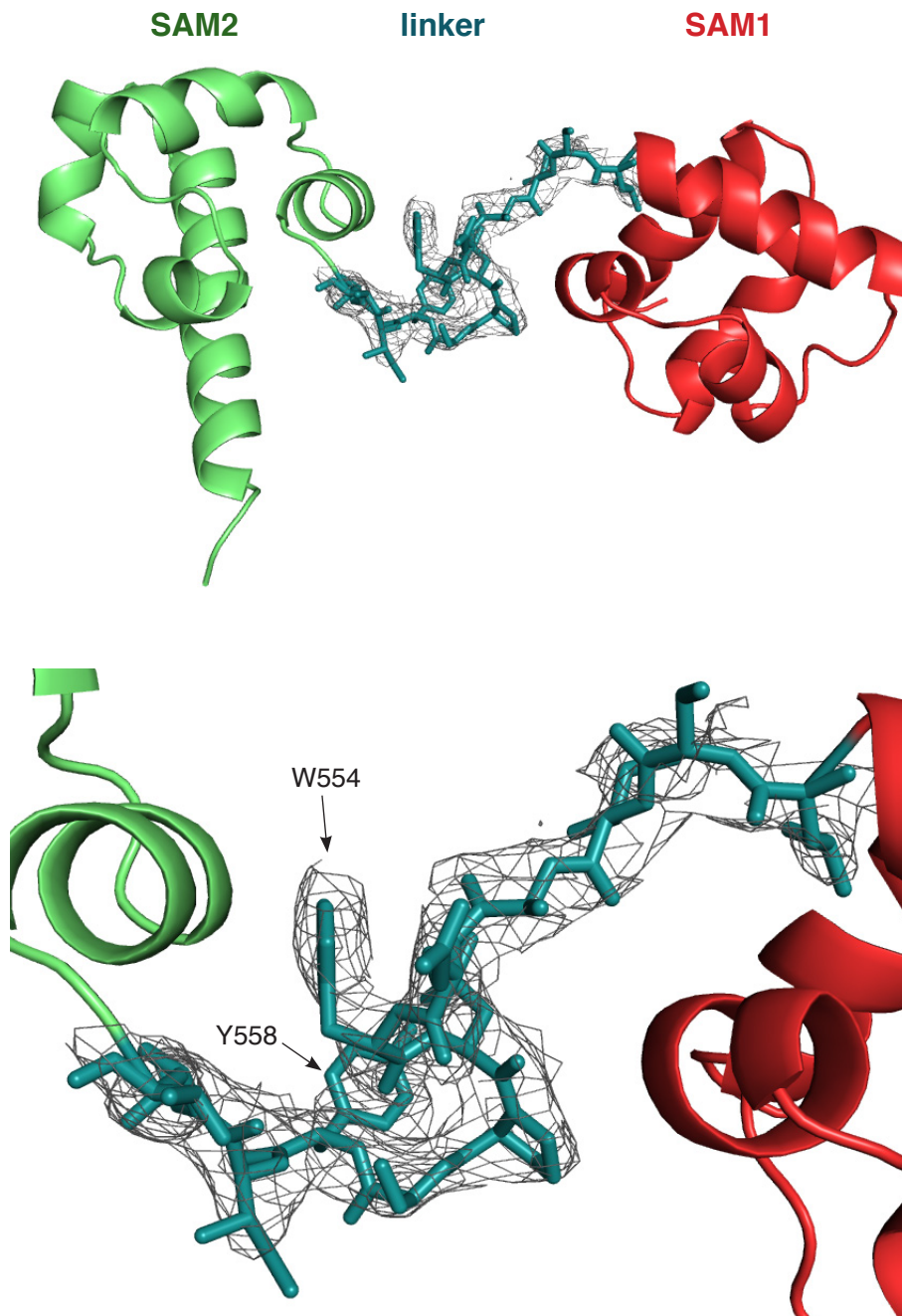
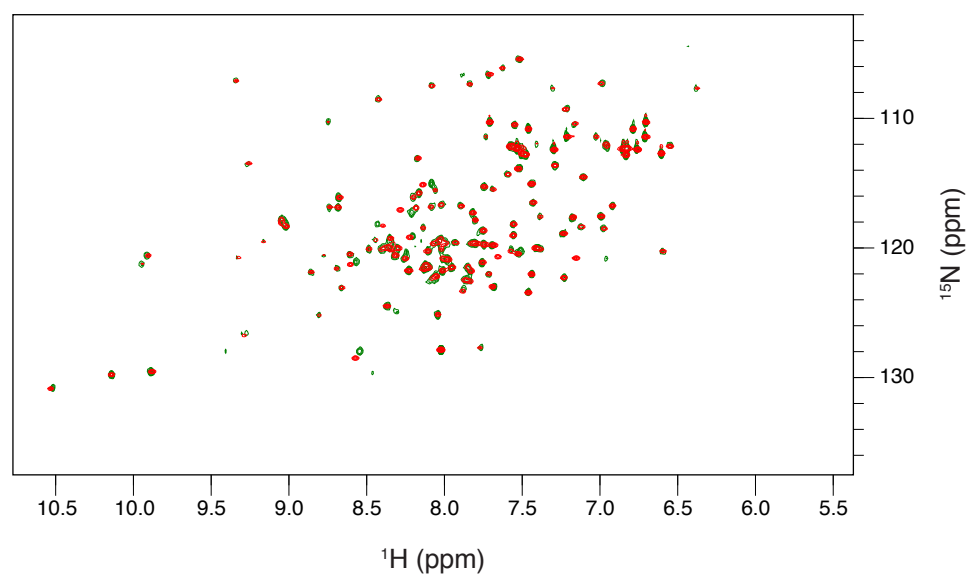




Supplementary Fig S1 — Omit map of the CASKIN2 SAM domain tandem linker region. A composite 2mFo-DFc omit map covering the linker (549-561) was calculated with Phenix 1.10.1 (iterative removal of phase bias simulated annealing for low resolution structures). The map shown was contoured at 1.0σ . The SAM domains and the linker are colored separately for reference. Selected aromatic amino acids are labeled for reference.



Supplementary Fig S2 — Comparison of wild type and double mutant SAM tandem proteins by NMR spectroscopy. Overlay of ^1H - ^{15}N HSQC spectra acquired at 298 K of the wild type protein (green; 10 μM , 20 mM sodium phosphate pH 7.8, 300 mM NaCl) and G537D/K540E double mutant (red; 800 μM , 20 mM sodium phosphate pH 7.8, 150 mM NaCl).