## Transfer-based nuclear magnetic resonance uncovers unique mechanisms for protein-polymer and proteinnanoparticle binding behavior

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**Figure S1.** Representative NMR traces resulting from DISCO NMR of 1300 kDa PVP on AuNP. Red trace depicts the STDD off-resonance experiment at t=1.75s. Blue trace depicts DISCO trace for t=1.75s multiplied by a factor of 2.