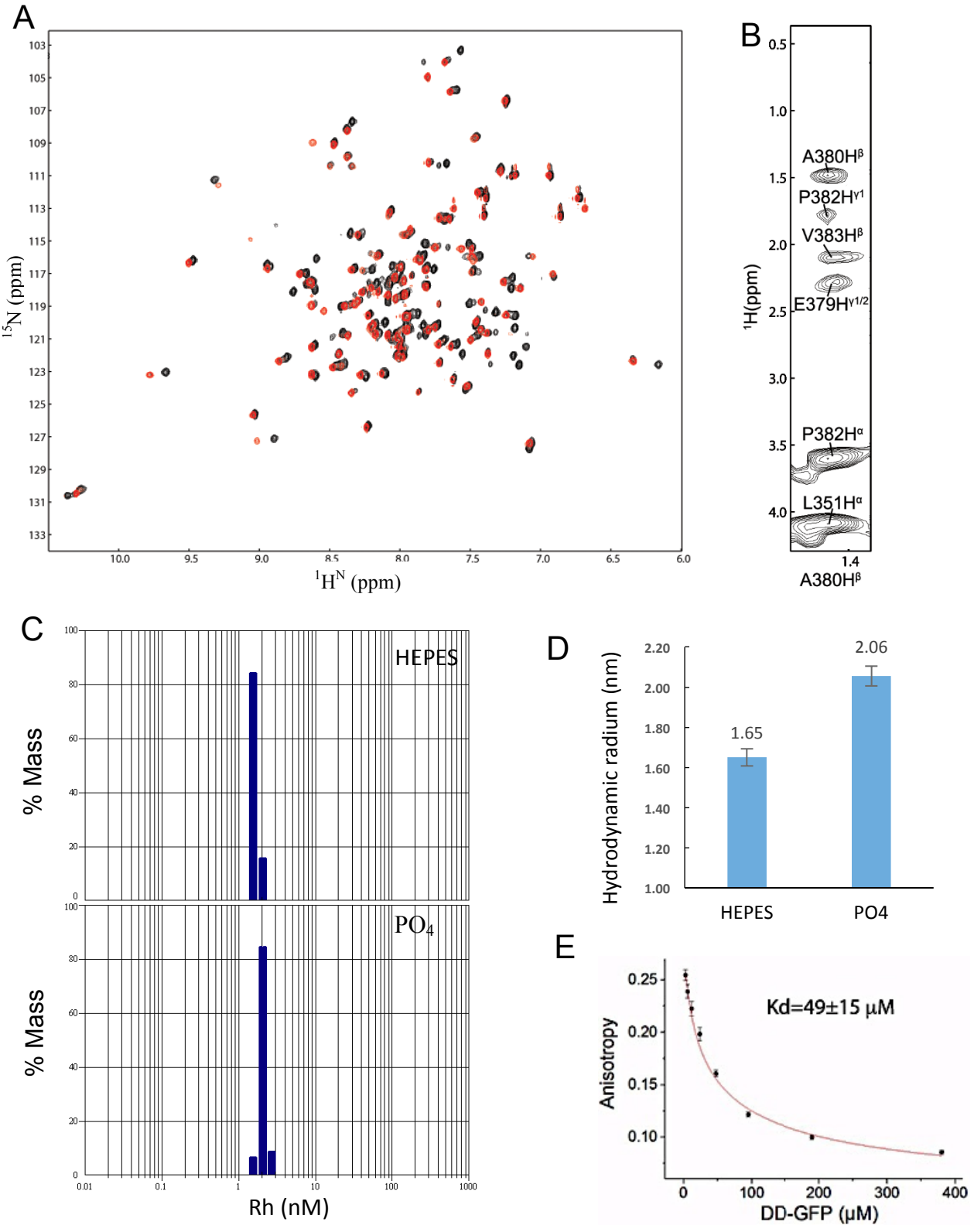

Figure 5—figure supplement 1. Homodimerization of p75^{NTR} DD. A) [^{1}H-^{15}N] HSQC spectra of p75^{NTR} DD in HEPES buffer (black) and phosphate buffer (red) at pH6.9 and 28 ºC. B) Representative slices from the ^{13}C,^{15}N-filtered 3D NOESY spectrum. C) Apparent hydrodynamic radius (Rh) distribution of DD from DLS measurement in HEPES (top) and phosphate buffer (bottom), respectively. The protein concentrations used are ~0.2 mM. D) Average Rh of DD in HEPES and phosphate buffers. The theoretical Rh of DD monomer (~10 kDa) and homodimer (~20 kDa) are ~1.6nm and ~2.2nm, respectively. E) Determination of monomer-dimer Kd using anisotropy change resulting from FRET. p75^{NTR} DD tagged with EGFP(A206K) in its C-terminus was used in these experiments. N=3.