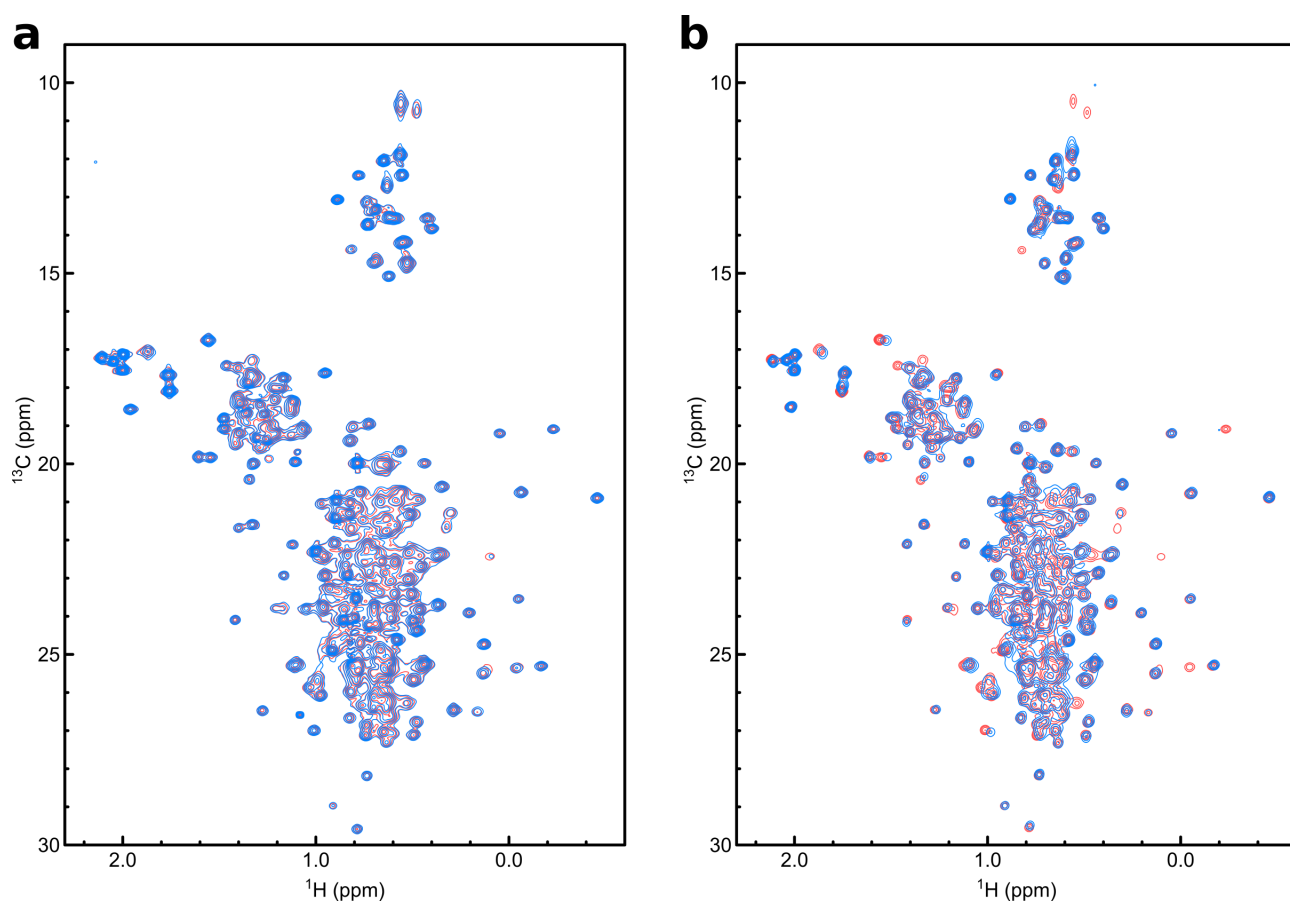




Supplementary Fig. 2: ATP γ S is rapidly hydrolyzed by DbpA in the presence of ss-HP92 RNA.

(a) Overlay of methyl TROSY spectra of ILMVA-methyl group labeled DbpA in complex with ss-HP92 RNA after addition of ADP (red) or ATP γ S (blue). The spectra are virtually identical indicating that the ATP γ S has been hydrolyzed to ADP before the start of the measurement. (b) Overlay of methyl TROSY spectra of ILMVA-methyl group labeled DbpA after addition of ADP (red) or ATP γ S (blue). In the absence of ss-HP92 the spectra are clearly different indicating that ATP γ S is only hydrolyzed in the presence of ss-HP92 and that binding of ADP and ATP γ S can be discriminated based on methyl TROSY spectra of DbpA.