



Supplemental Fig. 1: 2D ^{15}N - ^1H LR-HMQC spectrum of delipidated AtrpBP1 at pH 4.5 (black) and pH 7.0 (red). The $^{15}\text{N}_{\epsilon 2}$ resonances of H80 and H95 are marked and exhibit large pH-dependent chemical shift changes. Inset shows a plot of $^{15}\text{N}_{\epsilon 2}$ resonance frequency for H80 (black squares) and H95 (open circles) vs. pH.