



**Supplementary Figure 1. A novel A-rich motif is shared among all transcripts corresponding to shared protein changes shared between *Nab2<sup>ex3</sup>* flies and *ZC3H14<sup>Δex13/Δex13</sup>* mice. (A)** Novel A-rich motif location shown with the 18 transcripts corresponding to the differentially expressed proteins. Fly and mouse transcript pairs are shown with transcript name, the p-value significance of motif, and motif location within the transcript (indicated by **red** bar). MEME (Multiple EM for Motif Elicitation) conducted with OOPS (exactly one site per sequence) motif site distribution, with minimum motif width of six and maximum motif width of fifty. Analysis performed under MEME version 5.3.2 (release date: 02/06/2021) (40, 41). Threshold of significance: p-value <0.05.