

Figure 1 – Figure supplement 1. RPL41A can form structural elements throughout its length whereas the CAA 50-mer has a low propensity to form structures. RNA folds, predicted by mfold (Zuker, 2003), that are representative of the population of conformations adopted by (A-B) CAA 50-mer, $\Delta G > -1$ kcal/mol; (C) *RPL41A*, $\Delta G = -46$ kcal/mol; (D) chimeric RNA with CAA repeat 5'-UTR and RPL41A sequence 3' of the AUG codon (RNA 7; Figure 3A), $\Delta G = -51$ kcal/mol.