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	k ^{no elF4A} (min ⁻¹)	k _{max} (min ⁻¹)	Κ ^{elF4A} (μΜ)
(1)	0.90 ± 0.1	6.2 ± 1.0	0.70 ± 0.2
(2)	0.26 ± 0.16	3.3 ± 0.4	0.70 ± 0.03
(3)	0.20 ± 0.08	4.5 ± 0.6	1.0 ± 0.3
(4)	0.88 ± 0.07	6.2 ± 0.8	0.70 ± 0.01
(5)	0.72 ± 0.02	2.9 ± 0.5	0.20 ± 0.01
(6)	0.79 ± 0.02	2.3 ± 0.1	0.10 ± 0.02
(7)	0.06 ± 0.01	3.4 ± 0.6	1.8 ± 0.9
(8)	ND	0.20 ± 0.08	1.2 ± 0.2
(9)	ND	0.16 ± 0.02	3.5 ± 0.8
(10)	ND	1.3 ± 0.1	3.7 ± 1.0





Figure 3 – figure supplement 1.

Figure 3 – Figure supplement 1. eIF4A promotes recruitment of both structured and CAArepeats mRNAs. (**A**) RNAs used in the study (same as (A) in Figure 3, shown again here for convenience). (**B-C**) Observed rates (k_{obs}) min⁻¹ of mRNA recruitment as a function of the concentration of eIF4A. Data were fit with a hyperbolic equation allowing for a y-intercept > 0 (see Methods). Numbers in parentheses, to the right of the coordinate plane, correspond to mRNAs in (A) and are colored for easier visualization of distinct curves. RNAs 2 and 3 are shown separately for clarity. (**D**) Expansion of plots for mRNAs 8 and 9 from (B) for clarity. (**E**) The observed rate of recruitment in the absence of eIF4A ($k_{obs}^{no \, eIF4A}$), the maximal rate of recruitment with saturating eIF4A (k_{max}), and the concentration of eIF4A required to achieve the half-maximal rate of recruitment ($K_{1/2}^{eIF4A}$) from fits in panels B-D. "ND:" the observed rate from an exponential fit could not be determined because of low reaction endpoint. All data presented in the figure are mean values ($n \ge 2$) and error values are average deviation of the mean.