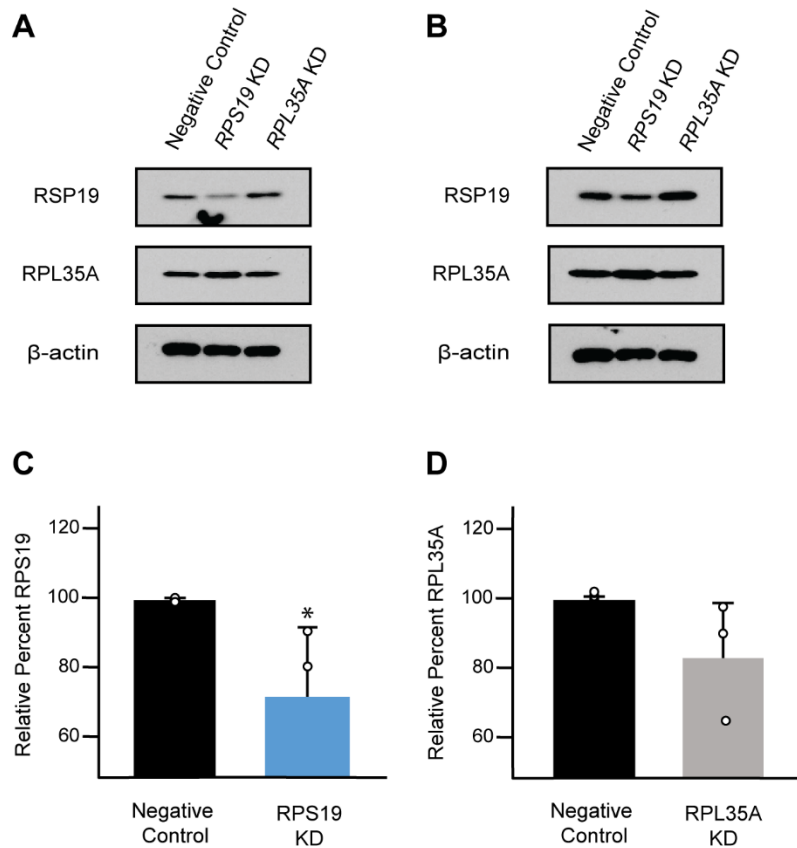


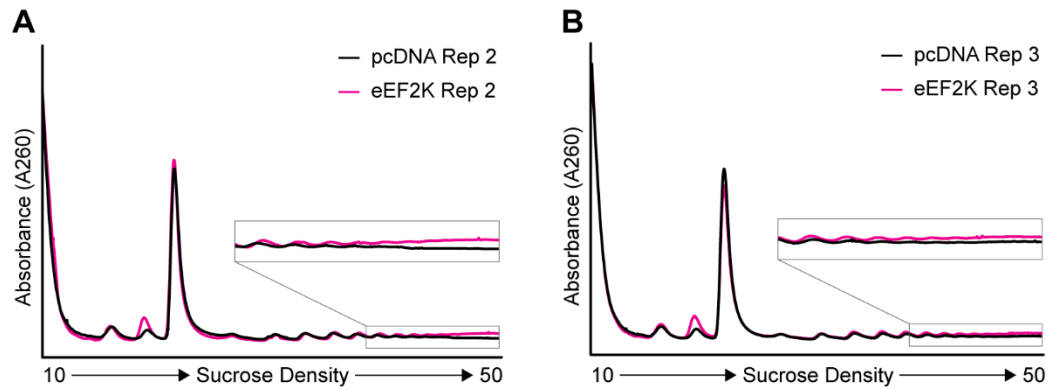
Supplemental Materials

Molecular Biology of the Cell

Rodriguez-Martinez *et al.*



Supplemental Figure 1. *RPS19* and *RPL35A* mRNA depletion causes a modest reduction in RSP19 and RPL35A protein levels. (A) Immunoblots of the indicated proteins in *RPS19* and *RPL35A* KD cells and negative controls. Replicate 2 and (B) replicate 3 are shown. Replicate 1 is presented in Figure 2C. (C) Relative RPS19 and (D) RPS35A protein depletion (n=3; mean value depicted with S.D.; asterisks indicate statistical significance between groups using Student's t-test, p<0.05).



Supplemental Figure 2. eEF2K overexpression reproducibly promotes sustained heavy polysomes. (A) Polysome profiling of cells transfected with a control or HA-eEF2K overexpression plasmid and lysed in translation elongation buffer that lacks CHX. Inset displays zoom-in of polysomes. Replicate 2 (Rep 2) and (B) replicate 3 (Rep 3) are shown. Replicate 1 is presented in Figure 4B. The area under the polysome and monosome peaks from all three replicates was used to calculate the average polysome/monosome (P/M) ratio presented in Figure 4C.