

**SUPPLEMENTAL MATERIAL**

**Figure S1. Quantitative analysis of PABP, Paip2 and EDD1 accumulation in HCMV-infected cells.** Asynchronous NHDFs were mock infected (0 HPI) or infected with HCMV at a multiplicity of 3. At the indicated times post-infection, total protein was isolated, fractionated by SDS-PAGE, and analyzed by immunoblotting using primary antisera specific for PABP, Paip2, or EDD1. After incubation with a secondary antibody covalently linked to an infrared fluorophore, the membrane was scanned using an Odyssey infrared imager (*Li-Cor Biosciences*). Fold changes relative to mock-infected cells were calculated over time. The experiment was repeated three times for PABP and Paip2. Error bars indicate standard error of the mean. For EDD1, an average of two replicates is shown.

**Figure S2. Evaluating the impact of PABP and Paip2 depletion on protein synthesis.** NHDFs transfected with a control, non-silencing siRNA (*ctrl*) or the indicated pairs of siRNAs were infected with HCMV at MOI=3. After 5d, cultures were metabolically pulse-labeled for 1 h with [<sup>35</sup>S]Met-Cys. Total protein was harvested, fractionated by SDS-PAGE, and the labeled polypeptides visualized by autoradiography. The migration of molecular weight standards (in Kd) is shown to the left of the panel.

**Figure S3. Analysis of eIF4F assembly in uninfected cells upon depletion of PABP and Paip2.**

Uninfected NHDFs were transfected with a control, non-silencing siRNA (*ctrl*) or the indicated pairs of siRNAs. After 48 h, cell-free extracts prepared using a non-ionic detergent were subject to batch chromatography on m<sup>7</sup>GTP Sepharose. A sample of input extract or m<sup>7</sup>GTP bound proteins were fractionated by SDS-PAGE and analyzed by immunoblotting with the indicated antisera.





