

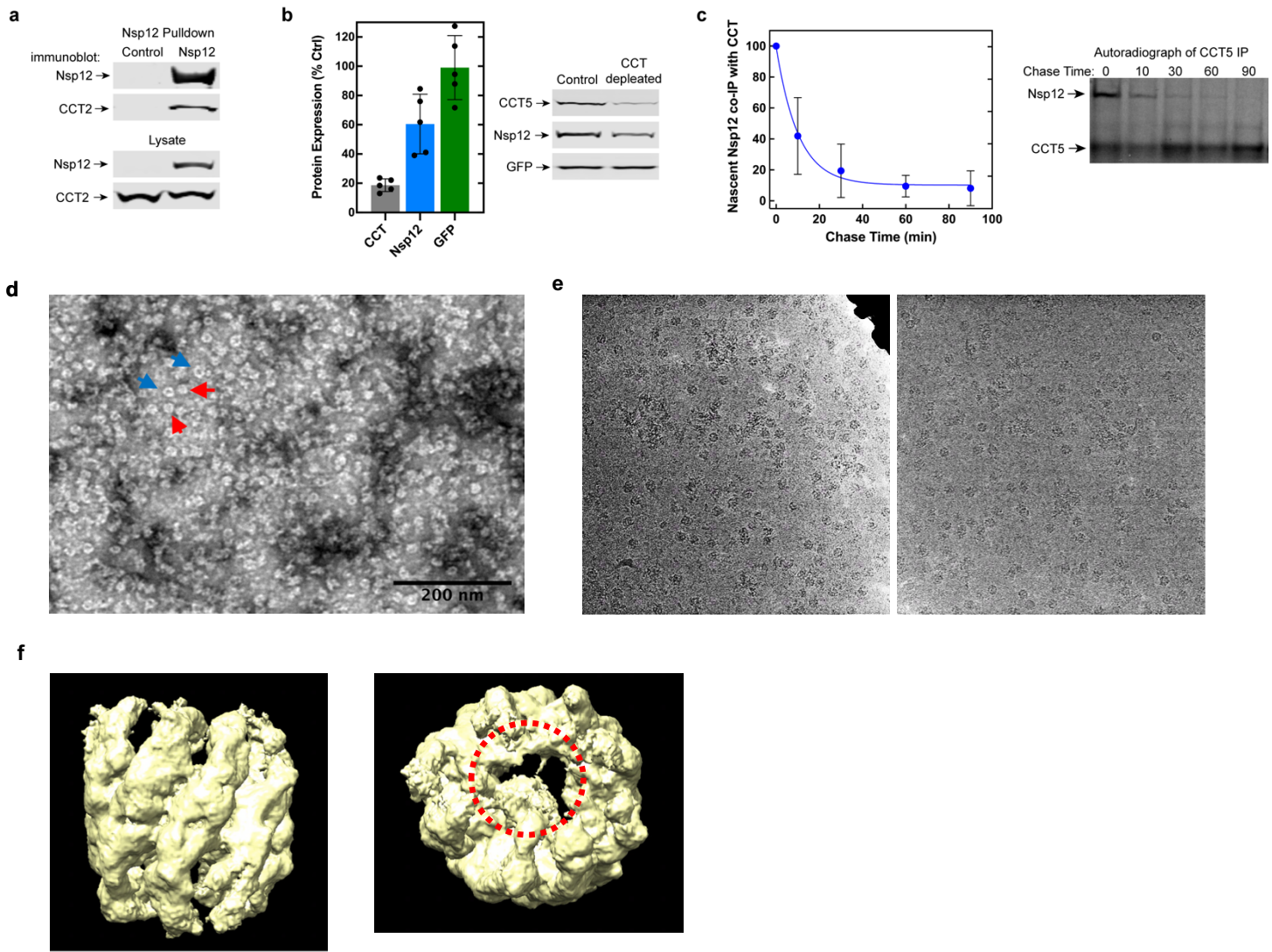


Figure 1. Evidence of CCT-Nsp12 interaction and project feasibility. (a) Nsp12 co-immunoprecipitates with CCT. (b) CCT depletion inhibits cellular expression of Nsp12. (c) Nascent, [^{35}S]-labeled Nsp12 initially binds and subsequently releases from CCT in a pulse-chase experiment. (d) Negative stain micrograph of the reconstituted complex (from purified CCT and Nsp12) indicate a mixture of particles with filled (red arrows) and vacant (blue arrows) CCT chambers. Filled particles are likely CCT-Nsp12 complexes. (e) Cryo-EM micrographs of a non-COVID substrate-bound to CCT. (f) Reconstruction showing side (left) and top (right) views of the substrate-bound CCT complex. The red circle highlights the substrate located in the CCT folding chamber. Although (e) and (f) are unrelated to COVID-19 and Nsp12, they demonstrate our success in imaging other CCT complexes by cryo-EM.

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