

Structural insights into ACBD3 hijacking by picornaviruses

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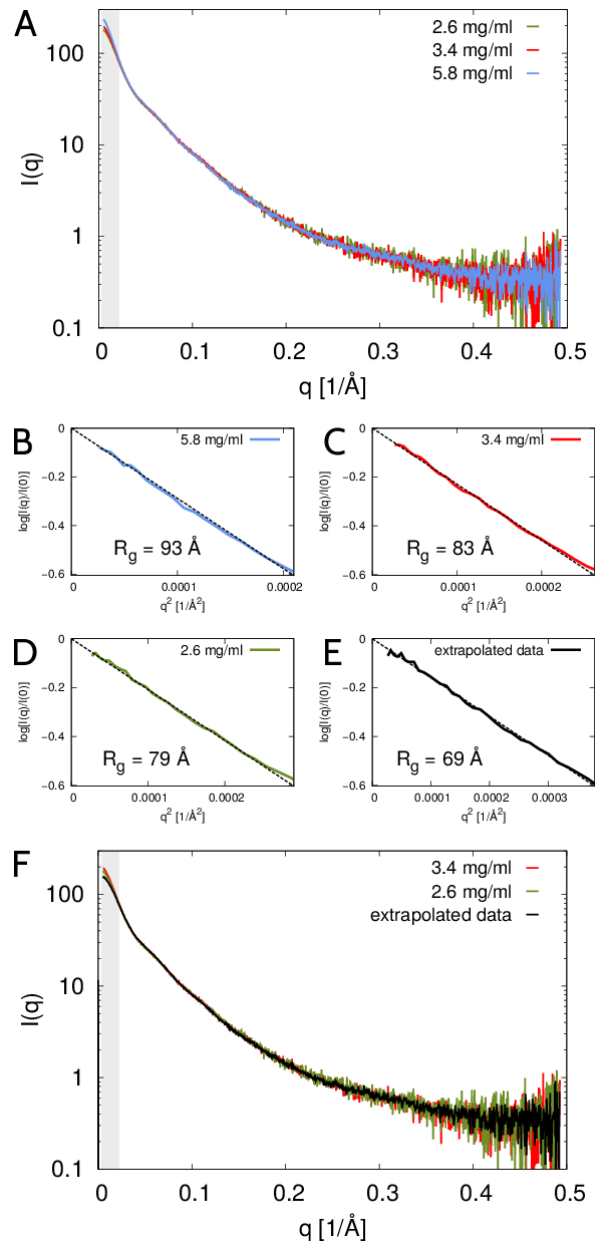
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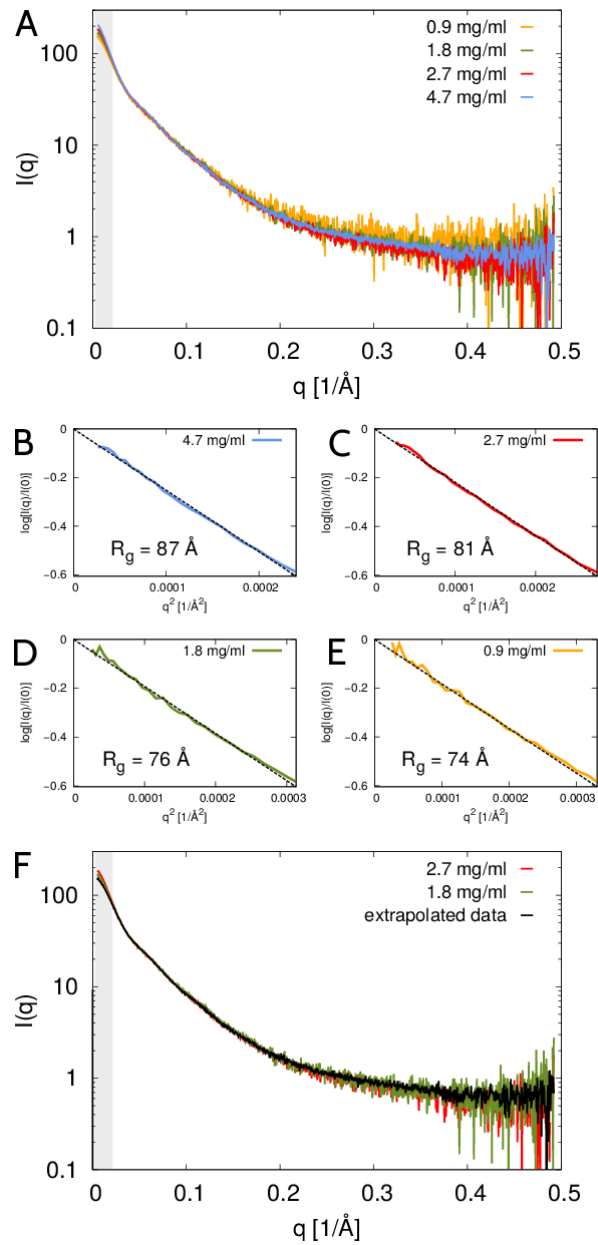
Running title: Hijacking of full length ACBD3 by Aichi virus

Keywords: host factor; RNA virus; picornavirus; ACBD3; intrinsically disordered regions; small- angle X- ray scattering (SAXS); coarse-grained simulations

Supplementary Figures



SI Figure 1: SAXS data referring to the full-length ACBD3 protein. (A) SAXS intensity profiles at protein concentrations of 5.8, 3.4 and 2.6 mg/ml. The three SAXS intensity profiles overlay almost entirely. However, the gray bar indicates the region of scattering angles where systematic differences between the three SAXS intensity profiles are observed. (B-D) Guinier plots of the SAXS data collected at protein concentrations of 5.8, 3.4 and 2.6 mg/ml, respectively. These plots quantify the systematic differences between the three SAXS datasets in the Guinier regimes. The values of the apparent radius of gyration (R_g) are indicated. (E) Guinier plot of the extrapolated SAXS data. (F) Comparison of the extrapolated SAXS intensity profile with the SAXS intensity profiles at protein concentrations of 3.4 and 2.6 mg/ml.



SI Figure 2: Analogous to SM Figure 1 but for the full-length ACBD3:3A protein complex.