

# Crystal Structure of the Full-Length Feline Immunodeficiency Virus Capsid Protein Shows an N-Terminal $\beta$ -Hairpin in the Absence of N-Terminal Proline

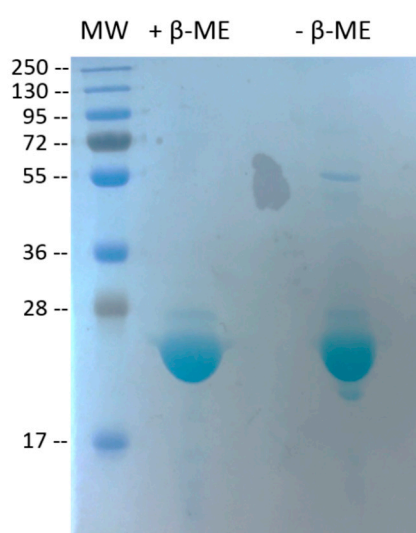
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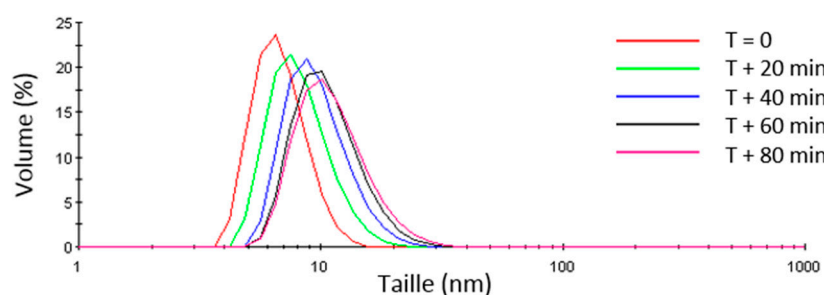
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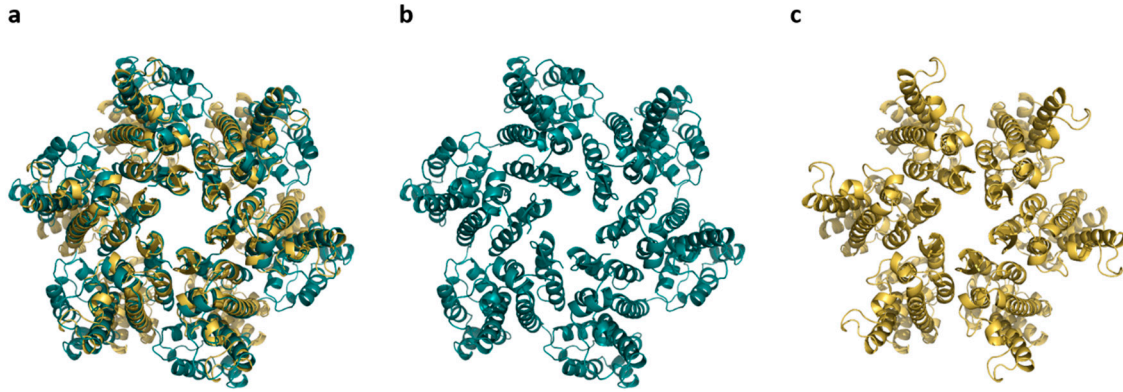
## Supplementary Materials



**Figure S1:** Absence of a disulfide bridge between CA monomers in solution. One microliter of FIV CA protein was loaded in presence (+  $\beta$ ME) or absence (-  $\beta$ ME) of reducing agent  $\beta$ -mercaptoethanol on a SDS-PAGE



**Figure S2:** Analysis of FIV CA protein by dynamic light scattering (DLS). Assembly kinetics of FIV p24E $\Delta$ CP-T protein at 7 mg/mL in presence of NaCl 1M [1].



**Figure S3:** HIV-1 and FIV CAs hexamers. (a) Superimposition of 6 FIV CA monomers (yellow) on HIV-1 CA native hexamer (teal, PDB ID: 4XFX <sup>[46]</sup>) with respect to the NTD. (b) HIV-1 CA native hexamer. (c) FIV CA reconstructed hexamer.

**References :**

1. Serriere, J., D. Fenel, G. Schoehn, P. Gouet, and C. Guillon, *Biophysical characterization of the feline immunodeficiency virus p24 capsid protein conformation and in vitro capsid assembly*, PLoS One, 2013. **8**(2): p. e56424.