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

Christelle Folio¹, Natalia Sierra², Marie Dujardin¹, Guzman Alvarez², and Christophe Guillon¹,*
¹ Equipe Rétrovirus et Biochimie Structurale, Université de Lyon, CNRS, MMSB, UMR 5086 CNRS/Université de Lyon, IBCP, Lyon, France
² Laboratorio de Moléculas Bioactivas, Centro Universitario Regional Litoral Norte, Universidad de la República, Paysandú, Uruguay
* Correspondence: christophe.guillon@ibcp.fr; Tel.: +33(0)4-37-65-29-04

Supplementary Materials

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

**Figure S2:** Analysis of FIV CA protein by dynamic light scattering (DLS). Assembly kinetics of FIV p24EΔCP-T protein at 7 mg/mL in presence of NaCl 1M (M).
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 [46]) with respect to the NTD. (b) HIV-1 CA native hexamer. (c) FIV CA reconstructed hexamer.

References: