

Supplementary Information

Structural Basis for Importin- α Binding of the Human Immunodeficiency Virus Tat

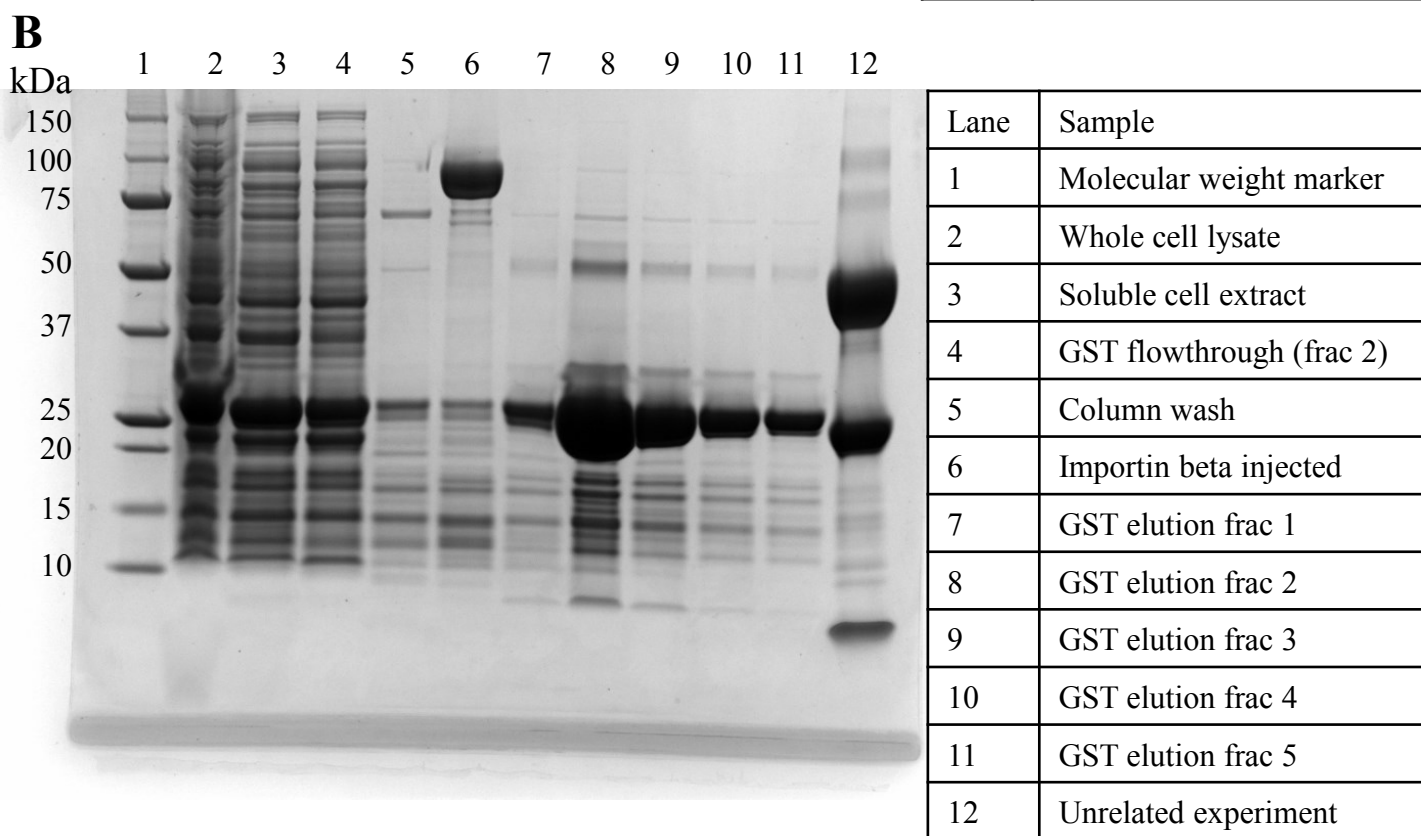
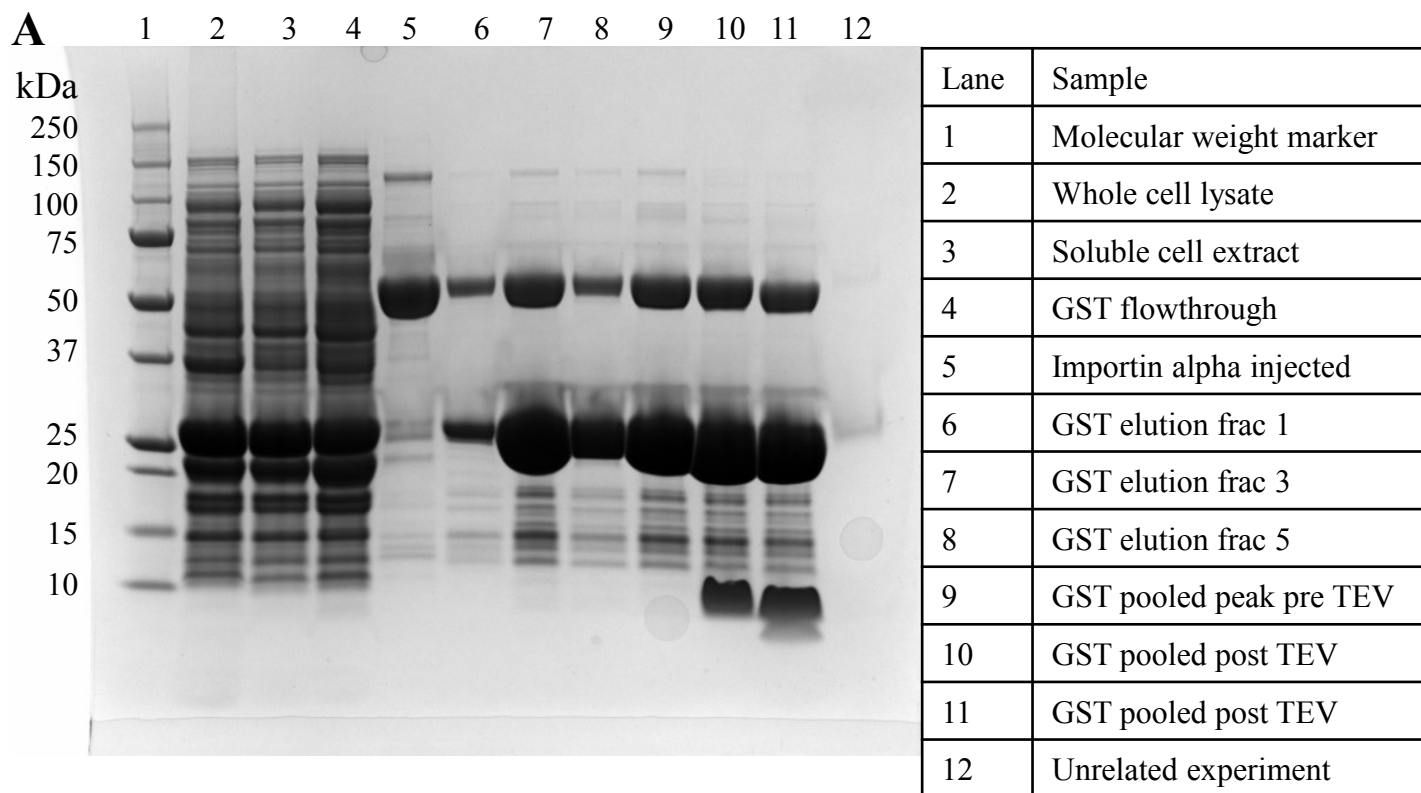
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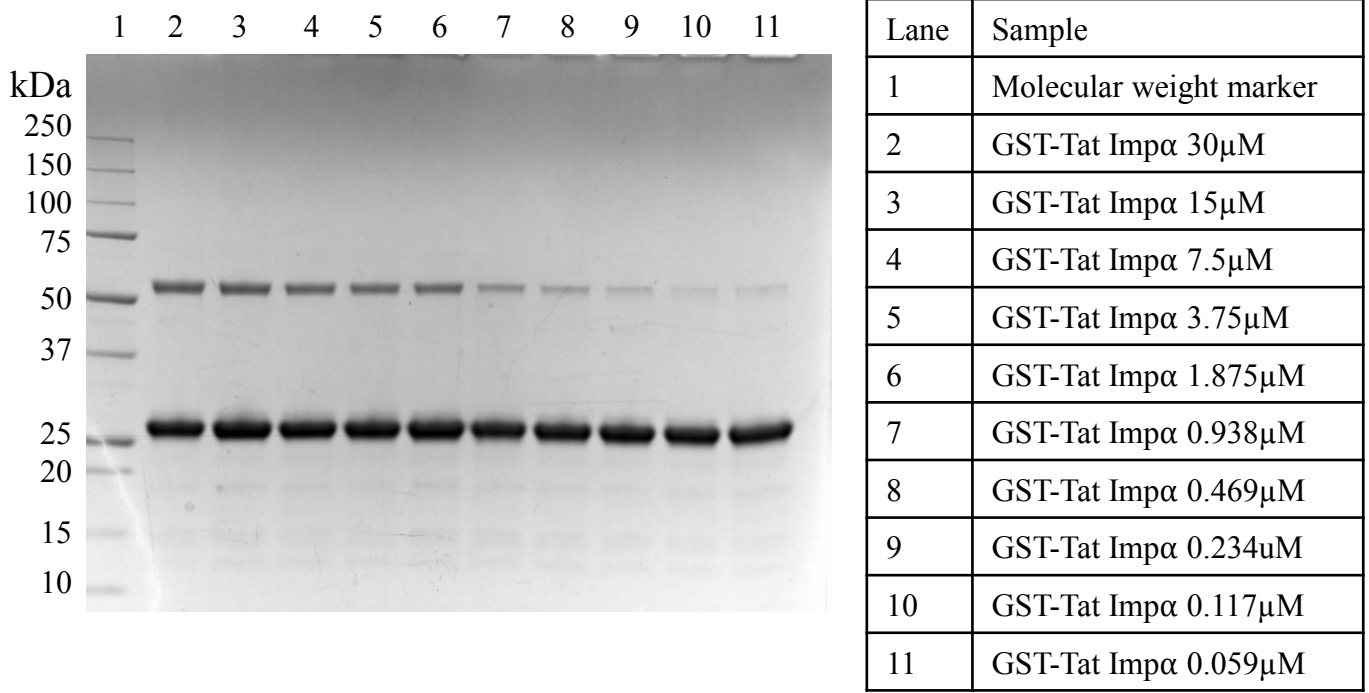
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Supplementary Figure 1. Uncropped SDS-PAGE showing binding of Tat:NLS/CPP to importin- α and importin- β . A) SDS-PAGE visualization of complex formation between Tat:NLS/CPP and importin- α . B) SDS-PAGE revealing a lack of complex formation between Tat:NLS/CPP and importin- β . The cropped gels are presented in Figure 1.



Supplementary Figure 2. Uncropped gel showing quantitative GST-pull down for binding affinity determination. Glutathione agarose containing the GST-Tat:NLS/CPP incubated and washed with two-fold serially diluted importin- α (initial concentration of 30 μ M). Samples analysed by SDS-PAGE and images recorded using BioRad Gel Doc system were processed from triplicate gels and processed in ImageJ and analysed using one-site specific binding in Prism 7.0. The cropped gel is shown in Figure 6.