



Figure S1. Structural basis for the interaction between Matrix putative NLS sequences to IMPα3. **A** HeV M NLS1 peptide sequence displayed in grey box with resolved amino acids highlighted in magenta. Matrix NLS1 (magenta sticks) binds to IMPα (grey surface) at the major site. **B** Schematic of the interface between NLS1 (magenta) and IMPα (grey). HeV M K⁸⁴ binds to P2 site on IMPα (Gly145, Thr150, and Asp187) (highlighted red) with H-bonds and salt bridge interactions depicted. **C** The resolved amino acids of HeV M NLS1 (magenta sticks) are shown in the major binding site of IMPα.