

Supporting Information

Dai et al. 10.1073/pnas.1420317112

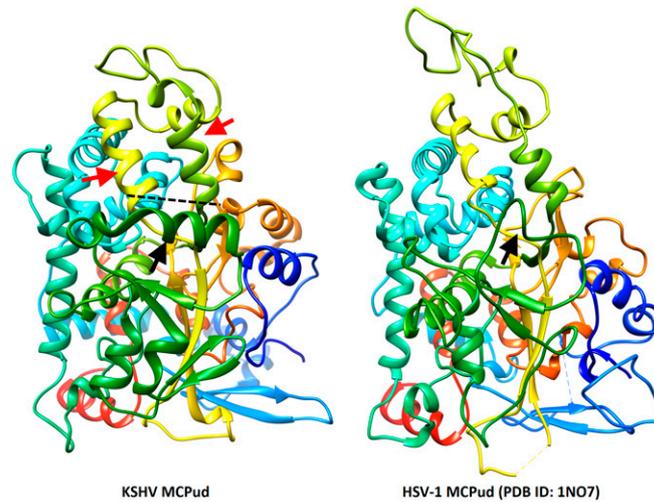


Fig. S1. Comparison of KSHV and HSV-1 MCPuds. The pseudoatomic model of KSHV MCPud was initially calculated by homology modeling with the crystal structure of HSV-1 MCPud (PDB ID code 1NO7) as template, and then adjusted according to the 6-Å resolution cryoEM structure of KSHV. The side-by-side presentations of KSHV and HSV-1 MCPud models demonstrate the similar overall fold of the two structures. The major differences between the two structures that might affect the SCP binding are marked with black arrows. A surface loop in HSV-1 has become a major helix in KSHV, creating a deep groove (dashed line) with other two helices (red arrows) for the binding of SCP stem helix.

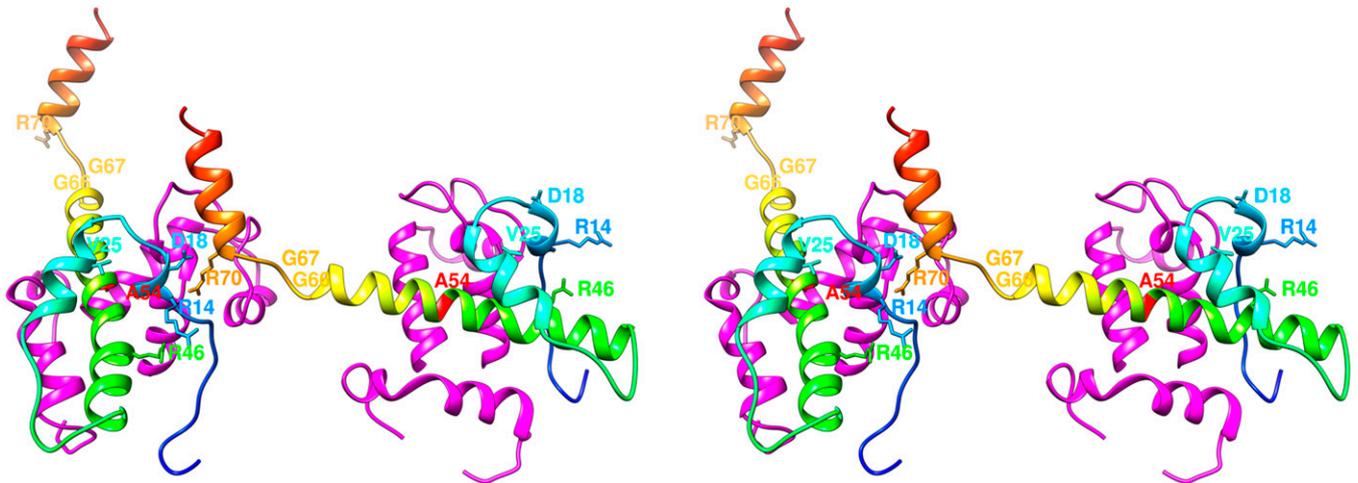
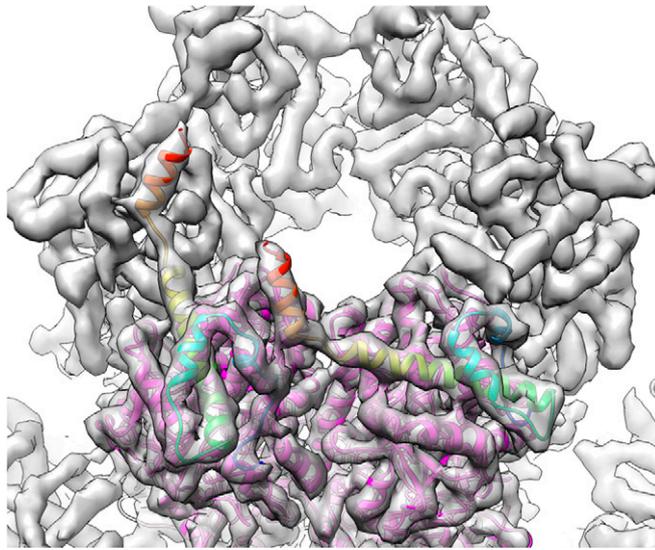


Fig. S2. A stereo pair presentation of Fig. 5D.



Movie S2. KSHV SCP binds in a surface groove of MCP via hydrophobic interactions.

[Movie S2](#)