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Supplemental Information

**A Sweep of Earth's Virome Reveals Host-Guided
Viral Protein Structural Mimicry and Points
to Determinants of Human Disease**

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Figure S1

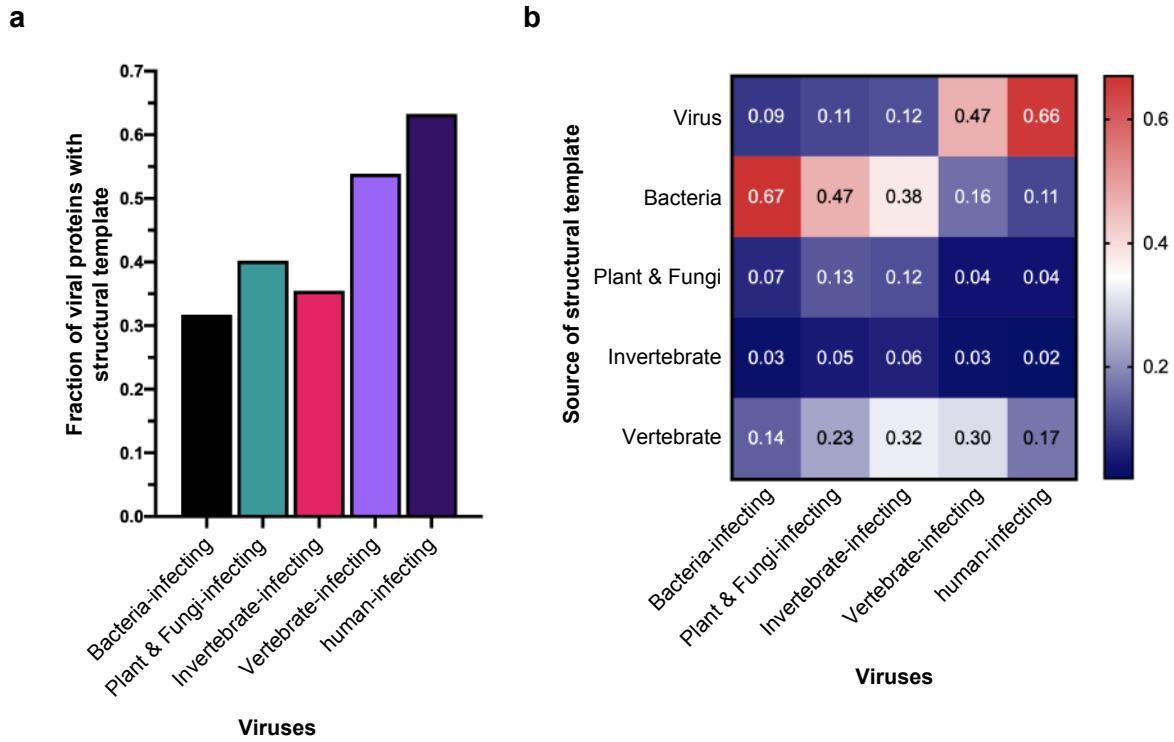


Figure S1I Structural coverage of viral proteins. a, Fraction of viral proteins, grouped based on the taxonomic division of the corresponding host, with a sequence homolog whose structure is experimentally known (structural template). b, Fraction of the structural templates belonging to a particular taxonomic division identified for different groups of viruses.

Figure S2

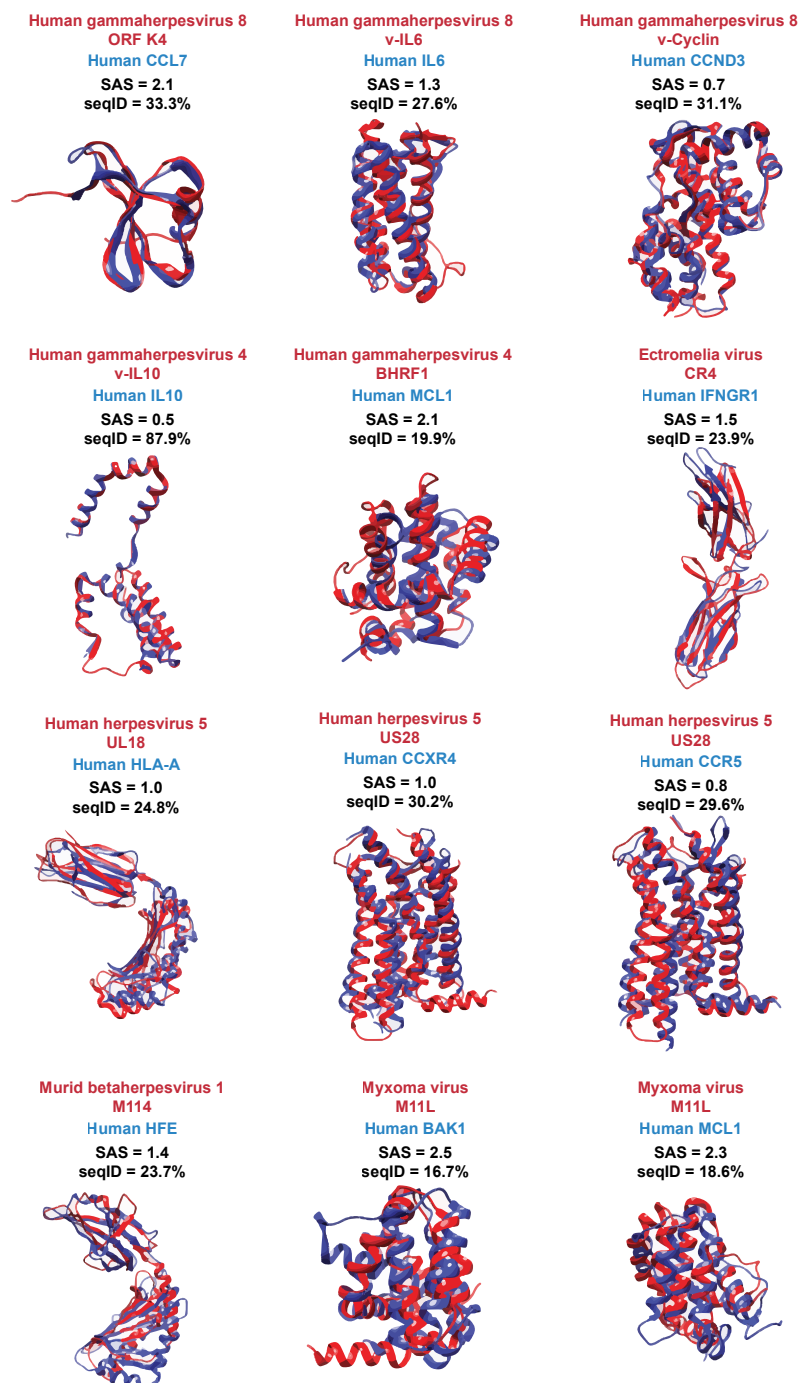


Figure S2| Virome-wide scan rediscovers known viral-host structural mimics. Shown are examples of known viral-host structural mimics (Fernandez et al., 2000, Franzosa and Xia, 2011, Elde and Malik, 2009, Li et al., 1997, Kvensakul et al., 2007, Burg et al., 2015) recapitulated with structural neighbor search. Viral and host proteins are colored in red and blue respectively. SAS is shown in black.