

Supplementary Table S1. Summary of structural evaluation of Portal complexes.

	GA1	PhiCPV4
<b>EMDB, PDB</b>	EMD-13664, 7PV2	EMD-13665, 7PV4
Microscope (Voltage)	Titan Krios (300kV)	Titan Krios (300kV)
Pixel size (Å/pix.)	1.07	1.07
Camera	K2 (Counting)	K2 (Counting)
Defocus range (µm)	-1.2 – 2.0	-1.2 – 2.0
Electron Dose (e-/ Å <sup>2</sup> /frame)	0.98	0.985
Symmetry	C12	C12
Number of micrographs	2249	2903
Initial number of particles	50,466	89,560
Final number of particles	22,456	26,940
Map resolution range Å	3.0 – 6.0	2.8 – 6.0
Map Sharpening B Factor	-97.7	-74.6
<b>Refinement</b>		
Initial Model (PDB)	1FOU	I-Tasser
Model Resolution Å	3.2	2.8
<b>Model composition (Monomer)</b>		
Non-hydrogen atoms	0	0
Protein residues	257	256
Nucleotide	0	0
<b>R.m.s Deviations</b>		
Bond Lengths	0.011	0.012
Bond angles	0.714	2.05
<b>Validation</b>		
Molprobability Score	1.48	0.79
Clashscore	4.28	0.5
<b>Ramachandran (%)</b>		
Favoured (%)	96.1	98.4
Allowed (%)	3.95	1.19
Outliers (%)	0	0.4