

Table S1

	a	b	c	d	e	Total Images	Classified Images
Size (Å) ¹	600	607	612	619	633		
18-hour (%)	25	5	11	25	34	7822	2929
4-hour (%)	59	16	8	4	12	2354	1037
1-hour (%)	30	24	17	10	10	2801	1110
Total	1675	591	588	982	1252		
Resolution (Å) (FSC=0.5)	21	21	24	26	29		
Resolution (Å) (FSC=0.3)	20	21	24	24	25		

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Table 1 describes how the three preparations, which differ in maturation time, were distributed amongst the 5 classes in the maturation series. Letters a-e represent the classes as shown in Figure 3, with a as the mature class and e as the least mature class. For the 5 reconstructions a-e the normalized size and estimated resolution are shown for each class. The percentages refer to the fraction of classified capsid images used for the reconstruction.

¹ The size of each virion was determined by the zero-crossing of a 1-D radial average from the 3D density map.