**Supplementary file 2. Cryo-EM structure statistics**

|  |  |  |  |
| --- | --- | --- | --- |
| Pixel size (Å/pixel) | 1.77 | | |
| Number of grids | 1 | | |
| Days of data collection | 1 | | |
| All micrographs | 1,288 | | |
| Selected micrographs | 1,171 | | |
| Particles after 2D-class | 190,722 | | |
| Particle subsets | **Pol I–Rrn3** | **Apo-Pol I (high)1** | **Apo-Pol I** |
| Final number of particles | 32,175 | 122,348 | 90,173 |
| Resolution (Å) | 7.7 | 4.9 | 5.6 |
| AccuracyRotations (º) | 3.87 | 3.01 | 3.18 |
| AccuracyTranslations (pixel) | 1.72 | 1.21 | 1.28 |
| Estimated B-factor (Å2) | -537 | -111 | -160 |

1Apo-Pol I (high) includes the sum of particles from the other two groups