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| **Data Acquisition and Image Processing** |
|  | **HBc CLPs + Geraniol (2)** | **HBc CLP+ SLLGRM dimer (4)** | **HBc CLP + P1dC****(7)** |
| **Microscope** | Krios G3 300 kV, with Falcon III camera in linear mode |
| **Illumination** | Spot 5 nano probe; C2 aperture =70 µm; beam diameter 1 µm, |
| **Imaging** | Magnification: 75000 x, calibrated Pixel size: 1.064 Å/Px, objective aperture: 100 µm |
| **Exposure**  | Total exposure = 40 e-/Å² in 20 fractions; exposure time: 2.6-3.2 s |
| **Targeted underfocus**  | 600-1400 nm |
| **Movies per stage position** |  | 15 in 5 holes | 15 in 5 holes | 3 in 1 hole |
| **Movies** | 4875 | 4956 | 2784 |
| **Template picked Particles** | 331635 | 320845 | 36817 |
| **Particles in final map** | 229646 | 132610 | 22830 |
| **Resolution Relion** | 2.8 Å\* | 2.8 Å\* | 3.6 Å |
| **Resolution CryoSparc** | n/a | 2.5Å\* | 3.0 Å |
|  | **Models and Maps** |
| **MolProbity score** | 1.61 | 1.58 | 1.43 |
| **Clash score** | 4.79 | 4.47 | 6.2 |
| **Ramachandran Favored** | 94.7% | 94.9% | 97.6% |
| **Ramachandran Allowed** | 5.3 % | 5.1% | 2.4% |
| **Ramachandran Outliers** | 0 % | 0% | 0% |
| **Rotamer outliers** | 0% | 0% | 0% |
| **d FSC model (0/0.143/0.5)** | 2.5Å/2.6Å/2.9Å | 2.1 Å /2.2 Å /2.7 Å | 2.6Å/2.7Å/3.2Å |
| **Accession Codes** | PDB: 8PWOEMD-17996 | PDB: 8PX6EMD-18001 | PDB: 8PX3EMD-18000 |