**Table 1. Cryo-EM data collection, refinement and validation statistics**

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|  | THO-Sub2protomer(EMD-23527)(PDB 7LUV) | THO-Sub2tetramer(EMD-23527) |
| **Data collection and processing** |  |  |
| Microscope/Camera  | Titan Krios/Falcon 3EC |
| Voltage (kV) | 300 |
| Electron exposure (e–/Å2) | 50 |
| Defocus range (μm) | 0.8 to 2.0 |
| Pixel size (Å) | 0.681 |
| Symmetry imposed | C1 | C2 |
| Initial particle images (no.) | 396 K |
| Final particle images (no.) | 30 K | 15 K |
| Resolution at 0.143 FSC (masked, Å) | 3.70 | 4.80 |
| Map sharpening *B* factor (Å2) | 86 | 145 |
|  |  |  |
| **Refinement** |  |  |
| Model resolution at 0.5 FSC (Å) | 3.86 |  |
| Model composition Protein residues | 2378 |  |
| *B* factors (Å2) Protein | 114.5 |  |
| R.m.s. deviations Bond lengths (Å) Bond angles (°) | 0.0081.08 |  |
|  Validation MolProbity score Clashscore Poor rotamers (%) | 2.0810.690.05 |  |
|  Ramachandran plot Favored (%) Allowed (%) Disallowed (%) | 90.49.30.3 |  |