

Data collection and processing

Magnification	96,000
Voltage (kV)	300
Detector	Falcon4
Pixel size (Å)	0.83
Electron exposure (e ⁻ /Å ²)	44
Exposure rate (e ⁻ /pixel/s)	7.6
Nominal defocus range (μm)	-1.5 to -2.7
Movies collected	10,860
Initial particle images (no.)	321,041
Final particle images (no.)	40,180
Symmetry imposed	C1
Map resolution (Å)	3.0
FSC threshold	0.143
Map resolution range (Å)	2.8-4.5
Helical parameters	
Helical twist (°)	179.44
Helical rise (Å)	2.405
Crossover (nm)	~80

Refinement*

Initial model used (PDB code)	5O3L
Map sharpening <i>B</i> factor (Å ²)	-57
Model resolution (Å)	2.9
FSC threshold	0.5
Model to map correlation	0.89
C α R.M.S.D to initial model (Å)	0.63 (70 atoms)
