

Table S1. Statistics of data collection and model validation.

Data collection		
Electron microscope	Titan Krios	Titan Krios
Voltage (KV)	300	300
Electron detector	K2	K2
Magnification	130,000X	130,000X
Electron dose (e-/Å ²)	~60	~60
Pixel size (Å)	1.057	1.057
Defocus range (µm)	-1.5 to -2.5	-1.5 to -2.5
FSC threshold	0.143	0.143
Total micrographs	25,757	
Final particle images (no.)	84,693	274,457 (symmetry expansion)
Symmetry imposed	C4	C1
Map resolution (Å)	3.3	3.5
Refinement		
Map sharpening B-factor(Å ²)	-30	-50
Fourier shell correlation	0.143	0.143
Map resolution range (Å)	~3-4.5 Å	~3-4.5 Å
Model composition		
Peptide chains		12
Non-hydrogen atoms		16,651
Residues		2076
R.m.s. deviations		
Bonds length (Å)		0.005
Bonds angles (°)		0.612
Ramachandran plot		
Favored (%)		95.94
Outliers (%)		0.00
Allowed (%)		4.06
Validation		
Molprobit score		2.34
Clashscore		8.78
Poor rotamers (%)		5.98
