

Table S1: CryoEM data collection, data processing and model building statistics

	apo PDB 7B52, EMD-12017	with pICS PDB 7B54, EMD-12018
Data collection		
EM equipment	FEI Titan Krios	FEI Titan Krios
Voltage (kV)	300	300
Detector	Falcon 3	Falcon 3
Data collection mode	linear	counting
Pixel size (Å)	0.83	0.83
Electron dose (e-/Å ²)	60	40
Defocus range (μm)	-1.5 ~ -3.0	-1.5 ~ -3.0
Data processing		
Software	cryosparc	cryosparc
Number of final used particles	102676	266774
Symmetry	C1	C1
Map resolution (Å)	3.8	3.1
Model refinement statistics		
Total built residues	2171	2210
Model-map-fit CC	0.76	0.79
R.m.s.d.		
bonds (Å)	0.021	0.014
angles (°)	1.29	1.28
Molprobity statistics		
Molprobity score	3.49	3.49
Ramachandran Plot		
Favored (%)	78.44	81.33
Allowed (%)	20.99	17.75
Rotamer outliers (%)	0.57	0.93
Clash score	42.33	34.39
Average B-factor (Å ²)	108.6	178.2