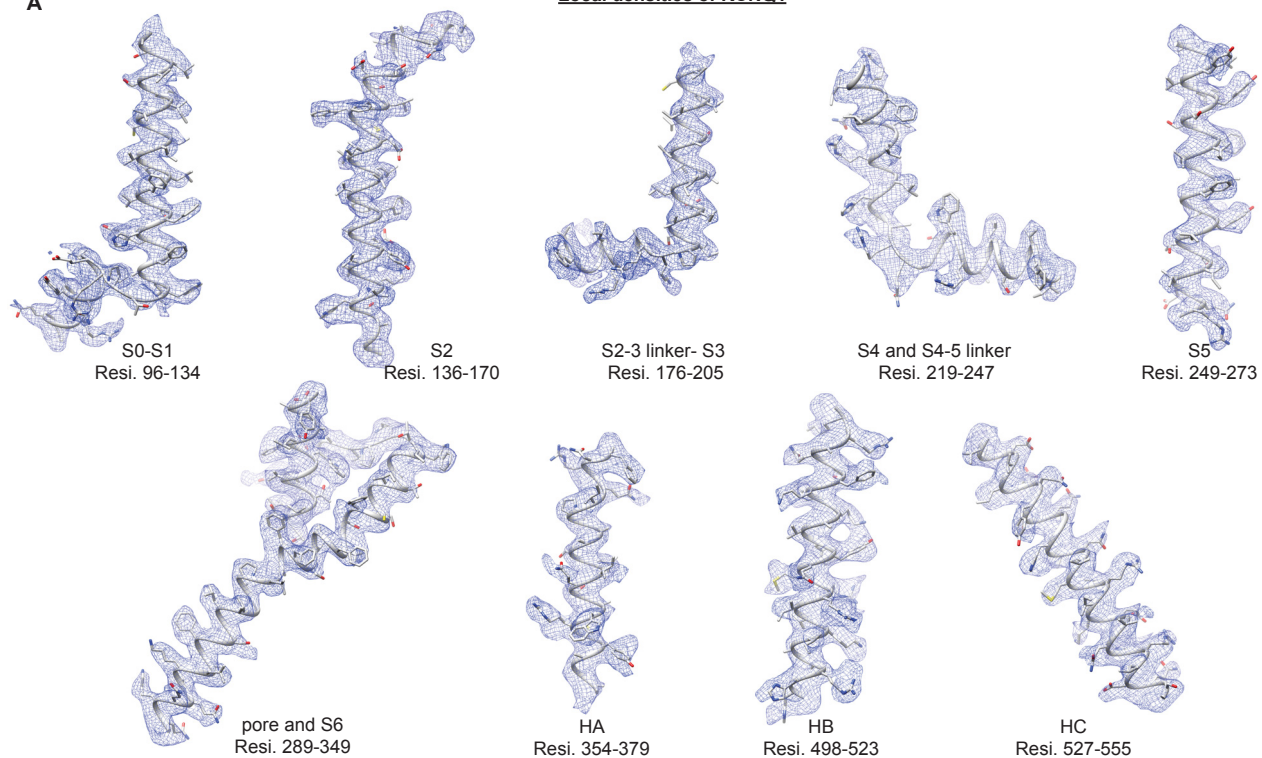


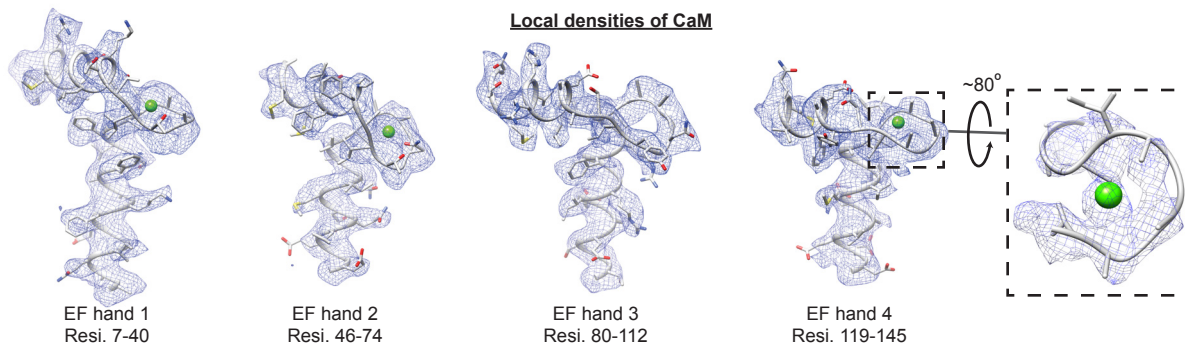
A

## Local densities of KCNQ1

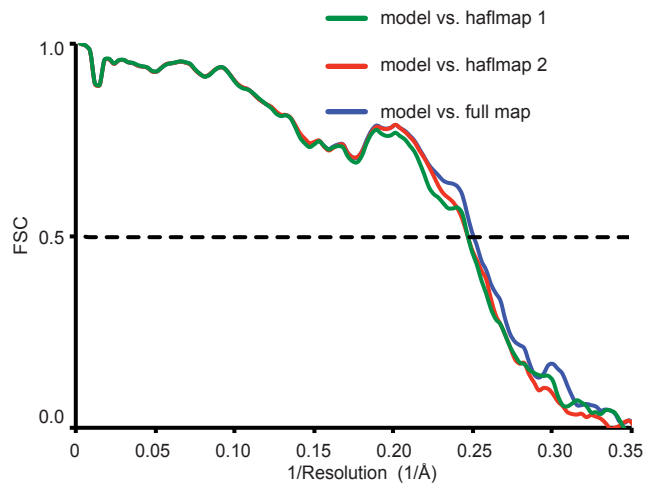


B

## Local densities of CaM



C



D

Table 1: Structure refinement and validation

Refinement (Refmac)	
Space group	P4
Cell dimension	a=b=105.1 Å, c=122.3 Å $\alpha=\beta=\gamma=90^\circ$
Resolution limit	3.74 Å
Mean B-factor	-203.1
Rms deviations	
Bond length (Å)	0.0077
Bond angles ( $^\circ$ )	1.23
Ramachandran plot	
Favored (%)	96.85
Allowed (%)	3.15
Outlier (%)	0.0
Molprobability score	
Clash score	6.65
Favored rotamers (%)	98.62
Poor rotamers (%)	0.0
Molprobability score	1.56