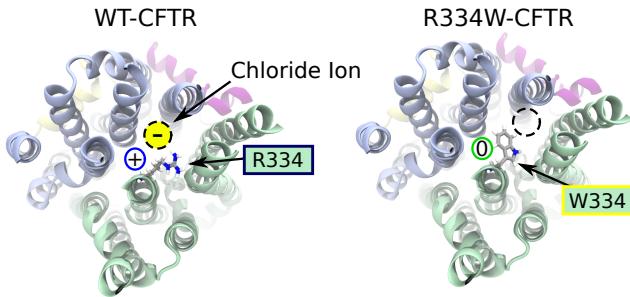


## Mutant: R334W

Domain: TMD1

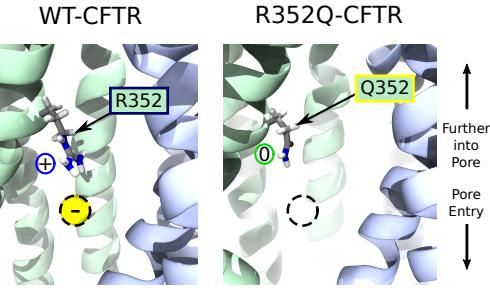
Effect: The deletion of a positive charge at the pore exit impedes **conductance** of negative ions



## Mutant: R352Q

Domain: TMD1

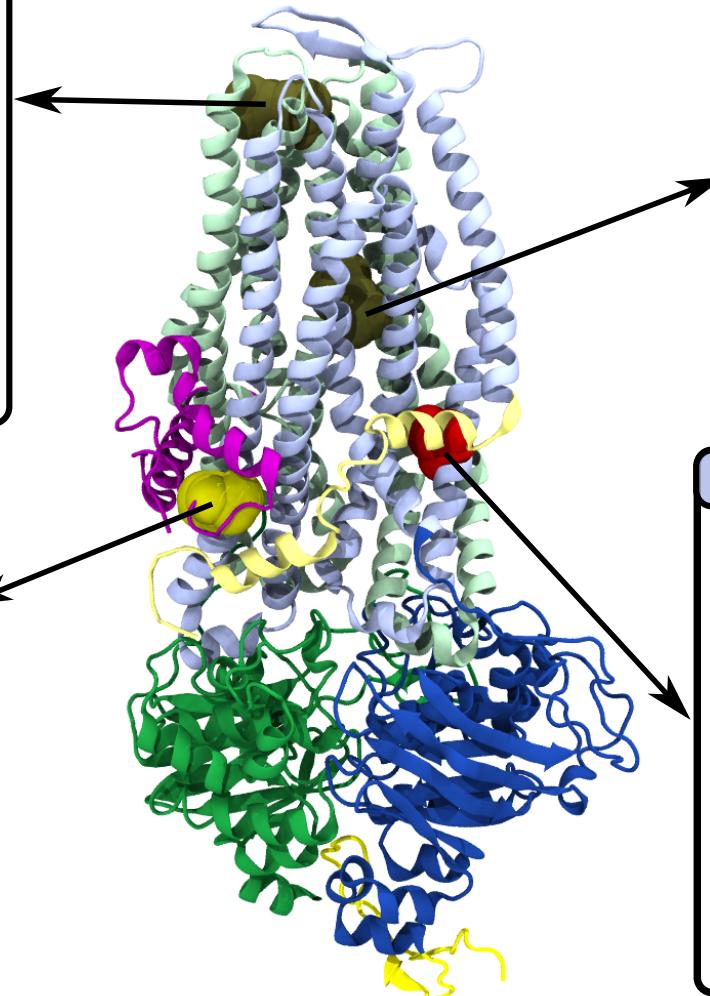
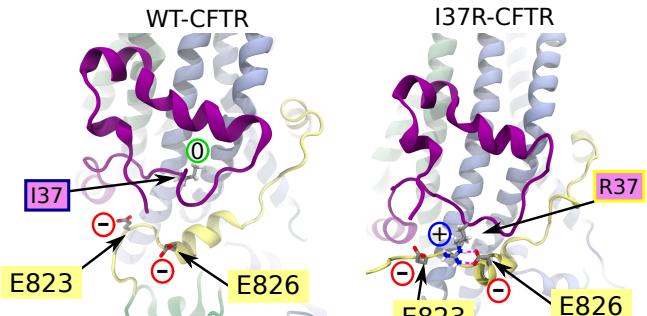
Effect: The deletion of a positive charge within the pore impedes **conductance** of negative chloride.



## Mutant: I37R

Domain: Lasso Motif

Effect: Interactions between the Lasso motif and the R-domain will inhibit **gating**.



## Mutant: S945L

Domain: TMD2

Effect: Breaks an interaction with Y852 on the R-domain. This gives rise to issues with **folding** and **gating**.

