

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Sequences of primers for the mutagenesis study of KCNQ2.

File Name: Supplementary Movie 1

Description: PIP₂-induced structural rearrangement of CTD and CaM in the context of the whole channel complex.

File Name: Supplementary Movie 2

Description: PIP₂-induced structural rearrangement of CTD and CaM in one KCNQ2 subunit.

File Name: Supplementary Movie 3

Description: PIP₂-induced opening of the activation gate of KCNQ2 in the bottom view.