

Supplementary information

Gating transitions and modulation of a hetero-octameric AMPA glutamate receptor

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1. Supplementary Videos

Supplementary Video 1. Gating changes of A1/2_γ8/C2 on activation.

Conformational changes of GluA1 and GluA2 from resting to active state are shown first from side view and then from top view. The model is coloured with the same scheme in Fig1.

Supplementary Video 2. Movements of auxiliary subunits in A1/2_γ8/C2 on receptor activation.

Movements of γ8 and CNIH2 from resting to active state are shown first from side view and then from bottom view. The model is coloured with the same scheme in Fig1.

Supplementary Video 3. Normal model analysis of A1/2_γ8/C2 at active state.

Energetically favorable motion modes of A1/2_γ8/C2 at active state via normal mode analysis (Mode 19) are shown from side view (top) and bottom view (bottom). The model is coloured with the same scheme in Fig1.