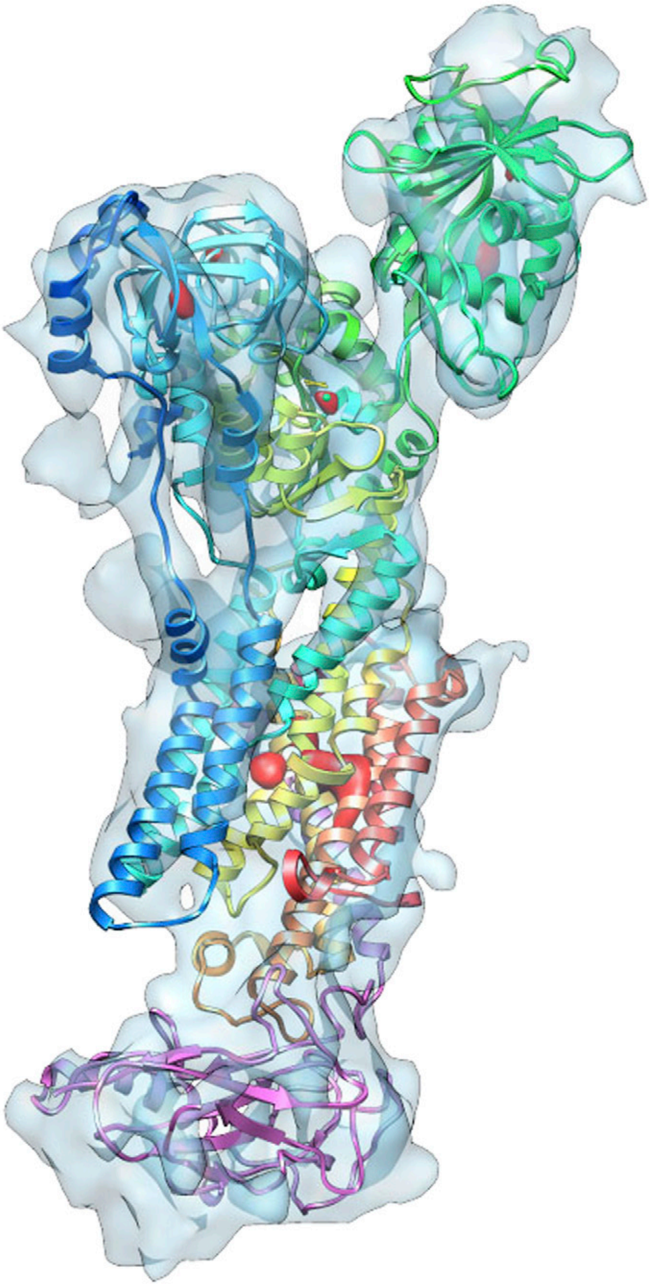
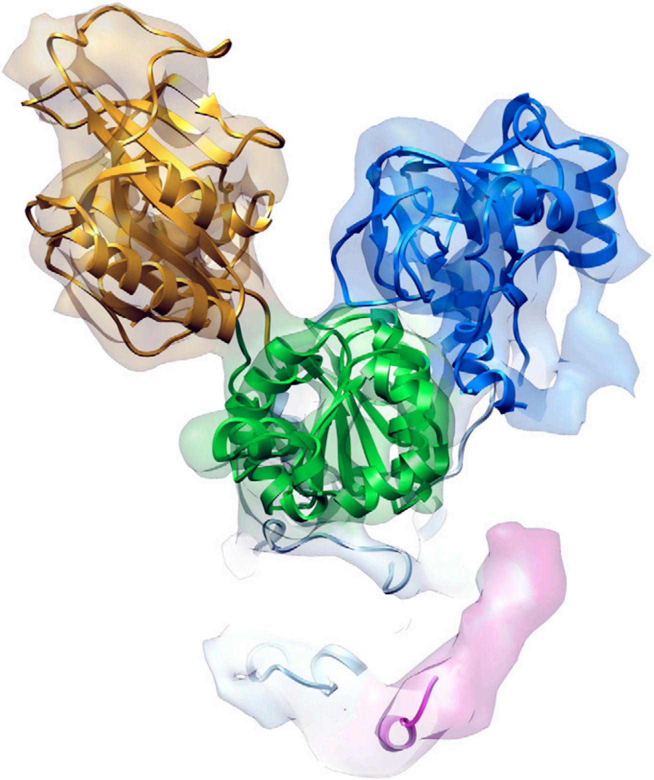
Supporting Information

Abe et al. 10.1073/pnas.1212294109



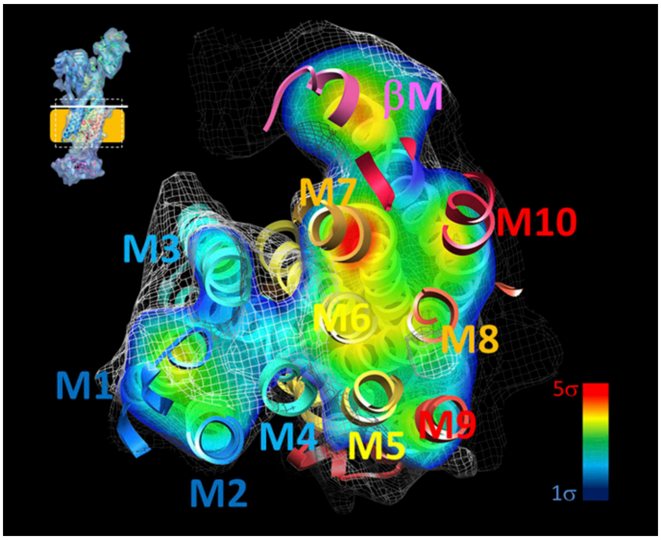
Movie S1. Cryo-EM structure of H$^+$,K$^+$-ATPase in (Rb$^+$)E2~AlF state. Molecular surface shows the EM map of (Rb$^+$)*E2*~AlF at 1 σ (A domain, blue; P domain, green; N domain, orange; TM, light blue; β-subunit, pink) and 5 σ (red), with superimposed homology model [color for TM helices (M1–M10) gradually changes from blue to red].

Movie S1



Movie S2. Rb$^+$-induced rearrangement of the cytoplasmic domains. Sequential appearance of *E2*~AlF (dark colors) and (Rb$^+$)*E2*~AlF (light colors) shows Rb$^+$-induced movement of A and N domains relative to the P domain. Structures were viewed from the same direction as in Fig. 7C.

Movie S2



Movie S3. Horizontal sections throughout the TM region of (Rb$^+$)E2~AlF. Cross-sections of the TM region (as shown in Fig. S8) are sequentially displayed. Positions are indicated in the upper left. Color codes are as in Fig. S8.

Movie S3

Other Supporting Information Files

SI Appendix (PDF)