

Figure S2. The intra-domain rearrangements of VSD segments between Na_vRh and Na_vAb. (**A**) The pairwise distances between a number of corresponding residues on the S2 and S3 segments remain largely unchanged in Na_vRh and Na_vAb. The distances are shown in the unit Å. (**B**) The segment containing the C-terminal half of S2 and the N-terminal fragment of S3 exhibits limited conformational changes in Na_vRh and Na_vAb. A stereoview is shown for the structural superimposition of the indicated residues on the S2 and S3 segments. (**C**) The N-terminal fragment of S3 segment exhibits little conformational shift relative to the CTC. (**D**) The S1 segment undergoes both rotation and translation relative to the CTC. (**E**, **F**) The conformational changes of S4 relative to S3 and S1, respectively. Refer to *Supplementary Movies S2-S4* for animations of the intra-domain rearrangements of VSD segments. The same color scheme, blue for Na_vRh and grey for Na_vAb, is applied to Figs. S2-4.