



Supplementary information, Figure S7 Molecular dynamics simulation of SsTRIC.

(A) Surface representation of SsTRIC. The TM2 and TM5 helices from two subunits are also shown, and colored as in Figure 5A. **(B)** Cross section of the surface representation of SsTRIC, showing the lateral fenestrations, viewed from the periplasmic side. The $F_o - F_c$

electron density map, contoured at 2.5σ , is shown for the carbon acyl chains of lipid molecules. **(C)** An enlarged view of the carbon acyl chain of the lipid molecule. **(D, E)** Close-up views of the lateral fenestrations of SsTRIC. The side chains of the residues lining the fenestrations are shown by sphere and stick models. **(F)** The distance between the terminal carbon of the POPC acyl chain and the center of the protein ($n = 3$). **(G)** Cross section of the surface representation from the last frame snapshot of the 200 ns simulation of trimeric SsTRIC. POPC lipid molecules are depicted by stick models.