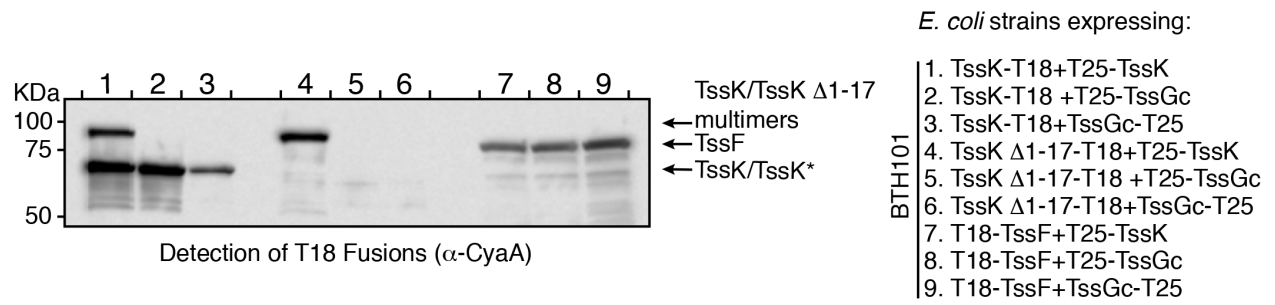


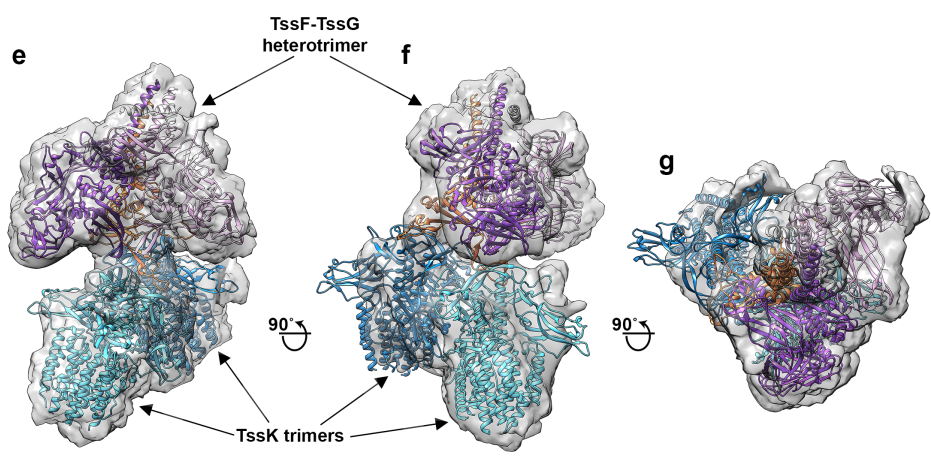
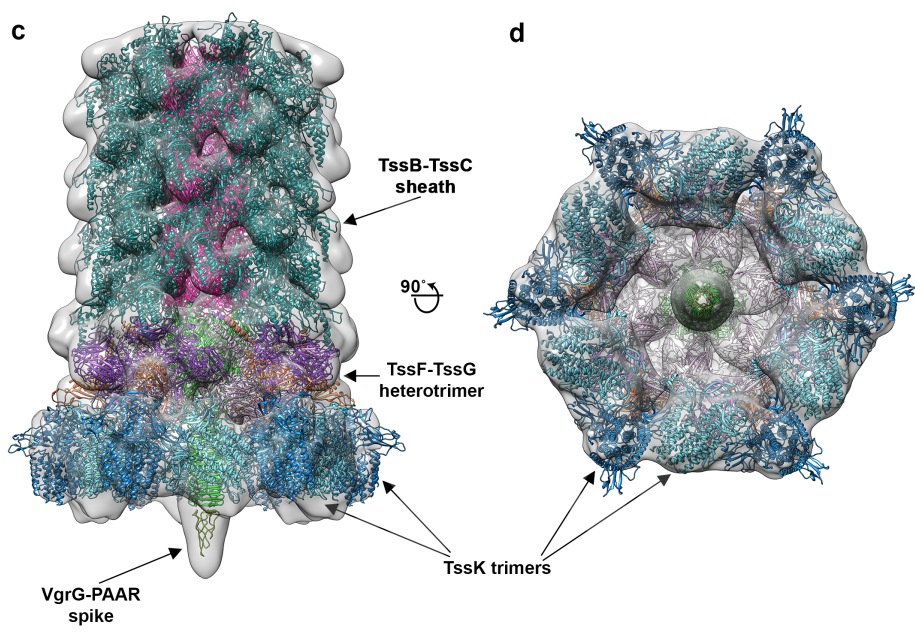
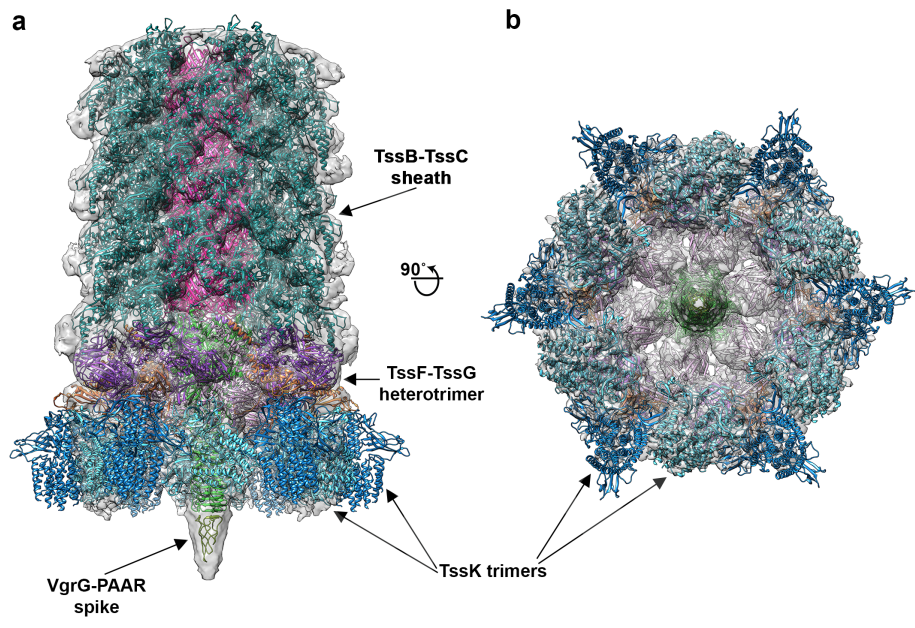
**Structure of the type VI secretion system TssK-TssF-TssG baseplate
subcomplex revealed by cryo-electron microscopy**

Supplementary Information

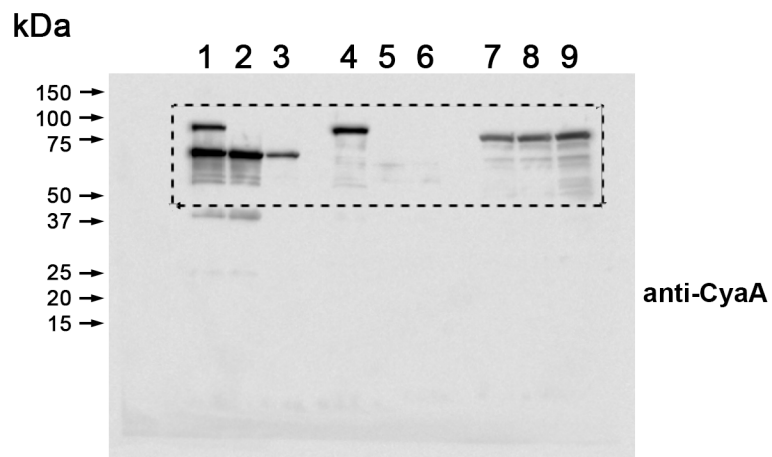
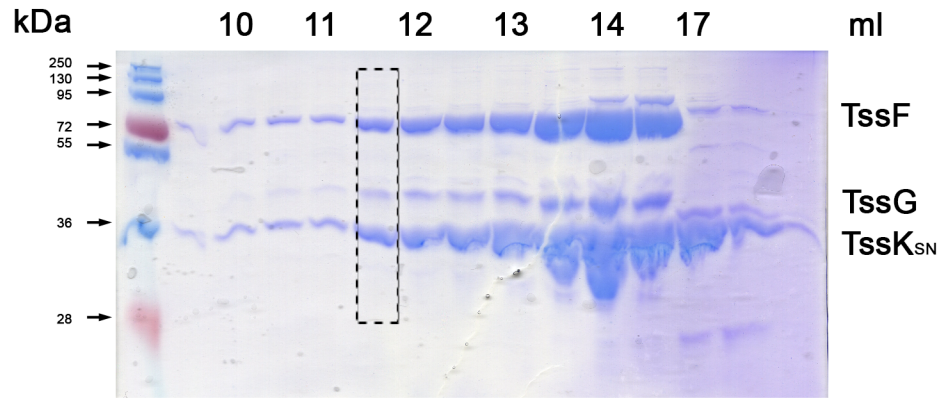
Young-Jun P *et al*¹



Supplementary Figure 1. Western blot of T18-fused expression constructs utilized in BATCH.



Supplementary Figure 2. Supramolecular architecture of the T6SS baseplate and needle complex before sheath contraction. a-b. Two orthogonal views of the model obtained by rigid-body docking subcomplex structures into the single particle cryoEM reconstruction of the non-contractile sheath mutant of the *Vibrio Cholera* T6SS baseplate/needle at 8 Å resolution (EMD 3879)⁴⁵. TssK trimers are poorly resolved due to conformational heterogeneity and/or substoichiometric incorporation. **c-d.** Identical renderings than the ones shown in panels (c-d), after low-pass filtering the T6SS baseplate/needle map to 20 Å resolution, showing resolved density for TssK. **e-g.** Ribbon diagrams in orthogonal orientations of the TssK_{SN}-TssF-TssG structure determined in this manuscript fitted in the T6SS baseplate/needle map low-pass filtered to 20 Å. TssK_{SN}-TssF-TssG: blue-purple-pink, with two short unassigned segments colored light grey; TssB-TssC: teal (PDB ID 3j9g)¹⁹; Hcp: magenta (PDB 5OJQ); VgrG-PAAR: green-olive (PDB ID 4MTK and 4JIV)⁹.



Supplementary Figure 3. Uncropped blots and gels.