



S8 Figure Chromatographic profiles of individual minor pseudopilins and analytical ultracentrifugation (AUC) profile of the XcpUVWX quaternary complex. (A) Each minor pseudopilin was individually expressed and purified using Ni²⁺-NTA resin followed by size exclusion chromatography using Superdex 75 column, after removal of the Trx tag. Each pseudopilin produces a single peak corresponding to monomer of the expected molecular weight. (B) Formation of different minor pseudopilin complexes was observed in size exclusion chromatography, and confirmed by SDS-PAGE. (C) The major AUC peak corresponds to the quaternary complex of ~80 kDa, confirming the formation of the XcpUVWX complex.