

Movie S1: A cryo-electron tomogram of a vegetative *P. mirabilis* cell illustrating the presence of many fimbriae stemming from the cell. Scale bar is 100 nm.

Movie S2: A cryo-electron tomogram of a swarmer *P. mirabilis* cell illustrating the presence of many peritrichous flagella stemming from the cell. Scale bar is 100 nm.