

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Reconstructed cryo-ET 3D tomograms of an intact minicell (Supplementary Fig. 2)

File Name: Supplementary Movie 2

Description: Reconstructed cryo-ET 3D tomograms of a minicell treated with pepD2M (Fig. 3a to e)

File Name: Supplementary Movie 3

Description: Reconstructed cryo-ET 3D tomograms of a minicell treated with pepD2M (Fig. 2h)

File Name: Supplementary Movie 4

Description: Time-dependent AFM images of E.coli lipids treated with pepD2M (Fig. 4a)

File Name: Supplementary Movie 5

Description: Time-dependent AFM images of E.coli lipids treated with 2 pepD2M (Fig. 4b), starting from 460s.

File Name: Supplementary Movie 6

Description: Time-dependent AFM images of E.coli lipids treated with pepD2M (Fig. 4d)

File Name: Supplementary Movie 7

Description: Reconstructed cryo-ET 3D tomograms of a minicell treated with melittin (Fig. 5b)

File Name: Supplementary Movie 8

Description: Reconstructed cryo-ET 3D tomograms of a minicell treated with melittin (Fig. 5c)

File Name: Supplementary Movie 9

Description: Time-dependent AFM images of E.coli lipids treated with melittin (Fig. 6a)

File Name: Supplementary Movie 10

Description: Reconstructed cryo-ET 3D tomograms of a minicell treated with Triton X-100 (Supplementary Fig. 3a)