

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Identified fragment ions in positive mode ToF-SIMS of fiber sheaths extracted from cable bacteria.

File Name: Supplementary Data 2

Description: Identified fragment ions in negative mode ToF-SIMS of fiber sheaths extracted from cable bacteria.

File Name: Supplementary Movie 1

Description: 3D tomographic reconstruction of the freeze dried fiber sheath in Fig. 1A