

# Bundle-shaped tail fibers

The bundle tail fiber is a crucial component in the fiber optic cable assembly, and any failure in this component can significantly impact the performance of the entire system. This article ...

Bacteriophage T5, a Siphovirus belonging to the order Caudovirales, has a flexible, three-fold symmetric tail, to which three L-shaped fibres are attached. These ...

Here, we present the structure of DT57C determined by cryo-EM, and an atomic model of the virus, which was further explored using all-atom molecular dynamics simulations.

Technological advances in cryo-EM in recent years have given rise to detailed atomic structures of bacteriophage tail tubes--a class of filamentous protein assemblies that could ...

To address this challenge, an overwhelming number of phages use a structure known as a tail. The tail creates a conduit between the phage capsid and host cytoplasm and allows the phage particle to ...

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Structurally these viruses have a prolate icosahedral capsid (the head) attached at one vertex to a long protein infection promoting structure (the tail) (Figure 2-1). At the far end of the tail are one or more ...

Using the structural module in combination with hidden Markov models, we developed the first tail fiber structural atlas, covering 24% of a set of pre-annotated tail fibers on UniProtKB.

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