

Here, we investigate the tail fibre and Tfa of Escherichia coli phage Mu. We demonstrate that Tfa forms a stable complex with the tail fibre, and present a 2.1 Å resolution X-ray crystal...

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.

Download scientific diagram | Tail fiber or spike protein C-terminus sequence and predicted structure correlates with host range characteristics.

We also elucidated the mechanism by which Tfa Mu mediates fiber assembly. In the course of that study, we established that Tfa Mu forms a stable complex with the tail fiber in vitro and ...

To validate our approach, we used single-particle cryo-electron microscopy to analyze five tail fibers from three phages of the BASEL collection. Additionally, we conducted a structural ...

At the far end of the tail are one or more receptor binding proteins (the tail fibers), also described as adhesins.

This innovative paper describes how the host range of R-type pyocins can be reprogrammed by replacing parts of the tail fibres between phages with different host ranges.

Here we utilized fluorescent reporter systems to characterize the effect of the side tail fibers on phage infection. We found that the side tail fibers interfere with phage DNA ejection ...

For the first time, we are introducing TTPBgp12 and TFPgp17 as new members of the tail tubular proteins B (TTPB) and tail fiber proteins (TFP) family, respectively. These proteins originate from ...

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