

Three-point tail fiber

In this study, we have determined the structure of the alternative tail fiber subunit, gp52, and compared it with other tail fibers. The results revealed that Mu phage employs different structural motifs for two ...

We demonstrate that Tfa forms a stable complex with the tail fibre, and present a 2.1 Å resolution X-ray crystal structure of this complex.

Tail fibers are structures on the phage that mediate their initial interaction with bacterial hosts, allowing them to recognize and attach to the bacterial surface.

In this review, we comprehensively summarize how the tail fibers of the T4 phage recognize host surface receptors at single-molecule and atomic levels.

In this study, we report the cryo-EM structure of the simplified tail fiber complexed with its chaperone from the myocyanophage Pam3, which provides insights into the assembly mechanism of the tail ...

A tail fiber, also known as a fiber optic patch cord, consists of a connector on one end and a cut end of the fiber optic cable core on the other. These patch cords are primarily used to ...

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Here, we introduce RBPseg, a method that combines monomeric ESMFold predictions with a structural-based domain identification approach, to divide tail fiber sequences into manageable ...

Its main role is to serve as an adaptor, connecting the 6-fold symmetric tail tube to the 3-fold symmetric central fiber protein (CFP). The CFP is attached to the BHP and is responsible for ...

The Mu phage can recognize lipopolysaccharide (LPS) on the host cell surface via its tail fibers. LPS is a component of the outer membrane of Gram-negative bacteria and consists of three ...

In this study, we identified a new structure of the podophage with three types of tail fibers, and such phages with different types of fibers may have a broad host range and/or infect host cells ...



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