

RBPseg workflow in detail, step-by-step demonstrating the 682 architecture of RBPseg using TC14 fiber as example. A FASTA file is input to ESMfold, which 683 generates a monomeric model.

The bundled pigtail has only one end with a connector, and the other end is a broken end of an optical fiber, which is connected to other optical fiber cores by fusion splicing.

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 ...

Despite the wide occurrence of Tfa proteins, their functional mechanism has not been elucidated. Here, we investigate the tail fibre and Tfa of Escherichia coli phage Mu.

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 ...

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 ...

Here, we present the structure of the siphophage lambda "wild type," the most widely used, laboratory-adapted fiberless mutant. The neck-tail complex comprises a channel formed by ...

Tail fibers are protein appendages located at the distal end of a bacteriophage's tail, extending from a structure called the baseplate. These fibers vary in length and number.

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 ...

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