

令和2年度 京都大学化学研究所 スーパーコンピュータシステム 利用報告書

Medusavirus トランスクリプトーム解析  
Medusavirus Transcriptome Analysis

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研究成果概要

During the last year, by using SuperComputer System, I mainly did transcriptome analysis of medusavirus and genome annotation of medusavirus stheno. In the first study, I quantified gene expression activity and then cluster them together. Based on clusters, I summarized their function and predicted their subcellular location. Putative motifs leading viral genes were also found. In the future, I will focus on host gene alteration during the infection.

In the second study, we did the annotation of newly isolated medusavirus stheno. This result has been published in Microbiology Resource Announcements.

発表論文(謝辞あり)

Yoshida, Koki, et al. "Draft Genome Sequence of Medusavirus Stheno, Isolated from the Tatakai River of Uji, Japan." Microbiology Resource Announcements 10.1 (2021).