CONSIDER FOR TALK

11th Annual SEA Symposium Abstract

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Daniel Feeny

Characterizing Genetic Elements in the Cluster O Mycobacteriophage Blessica

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Cluster O bacteriophage genomes are highly conserved and contain several characterized genetic elements including a MPME (Mycobacteriophage Mobile Element), inverted repeat sequences, and SigA promoter sequences. In this study we compared a new cluster O phage, Blessica, to other cluster O mycobacteriophages and identified these sequence elements, which provided insight into the evolutionary history of these phages.