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2024 SEA Symposium Abstract

Virginia Tech

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Babyback and Silvy: A comparison of novel A2 and N cluster mycobacteriophages

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Babyback and Silvy were discovered in local soil and annotated by students in the SEA-PHAGES program at Virginia Tech during the 2023-2024 academic year. Sequencing revealed Babyback and Silvy to be members of the A2 and N clusters, respectively. The presence of tyrosine integrase in both phages suggests that they are temperate. Babyback and Silvy both contain several regions in the genome that are vastly different from those found in closely related phages. Numerous adjustments were made to the original auto-annotations in both phages.