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10th Annual SEA Symposium Abstract

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Emily Potts

Searching for Jumbo Bacteriophages that Infect Mycobacterium

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Jumbo bacteriophages are large phages with extremely large (> 240 kB ) genomes. They are often not found using standard isolation procedures due to their inability to move through standard top agar and form visible plaques. The Brigham Young University phage hunters searched for jumbo mycobacteriophages using non-standard top agar including top agar with lower agar concentrations and agarose-based top agar. We will present the jumbo phages found using these techniques and compare them to previously isolated jumbo phages as well as other mycobacteriophages.