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9th Annual SEA-PHAGES Symposium Abstract

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Characterization of Actinobacterial Hosts for Phage Isolation

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The scientific goal of SEA-PHAGES is to explore the biodiversity amongst bacteriophages. As we expand from isolating and studying mycobacteriophages to actinobacteriophages, the careful “piloting” of new actinobacterial hosts can facilitate this process. Here, we present data from piloting 3 actinobacterial hosts, *Arthrobacter sp.*, *Gordonia terrae*, and *Microbacterium foliorum*. This data is presented in the context of other *Actinobacteria*, namely *Microbacterium smegmatis* and *Streptomyces griseus*, the latter with data provided by Lee Hughes of the University of North Texas. It is our hope that the data presented will encourage and facilitate the adoption of these *Actinobacteria* as hosts on which to isolate and study actinobacteriophages.