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2021 SEA Symposium Abstract

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GoldenSpark: A temperate phage with a troublesome genome

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Mycobacteriophage GoldenSpark was isolated at Virginia Tech in 2019 from local soil using Mycobacterium smegmatis as a host. GoldenSpark is an E cluster phage with a genome length of 75,132 bp. Several regions within GoldenSpark contain genes that were not accurately annotated through auto-annotation and required substantial manual adjustment. Analyses comparing the start positions were carefully reviewed to produce an accurately annotated genome for GoldenSpark.