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2021 SEA Symposium Abstract

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Seeing double: A case study of gene duplication in Mycobacteriophage GoldenSpark

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Gene duplication is an important evolutionary mechanism that allows for new gene functions to develop over time. Mycobacteriophage GoldenSpark, an E cluster phage isolated at Virginia Tech using *Mycobacterium smegmatis* as a host, has several instances of gene duplication. The duplicate genes were reviewed to determine putative functions and possible modified functions that could result in time.