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Characteristics of Mycobacteriophage Radiance and LunaBlu

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The Radiance and Lunablu phages were isolated from M. smegmatis mc2155. The phages were annotated using the PECAAN program.
Radiance was isolated from a water sample at Bowling Green, KY. The Radiance genome is 57, 325 bp long and has 101 protein-encoding genes. Radiance is a temperate phage related to the F cluster phages TootsieRoll with a 99% similarity, and OldBen and Rapunzel with a 98% similarity as evidenced by NCBI-BLAST.
LunaBlu phage was isolated from a soil sample from Bowling Green, KY. The LunaBlu genome is 59,283 bp long and has 115 protein-encoding genes. LunaBlu is a temperate phage related to the E cluster phages Tomazewski with a 98% similarity, and GooberAzure and Gemini with a 99% similarity as evidenced by NCBI-BLAST.