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Dear Colleagues:

We have an annotated version of Phage Bricole completed by the students and faculty of the SEA-PHAGE program at Old Dominion University!!

We used the Annotation Guide 11.24.2014 to help us adhere to the appropriate guidelines and complete the final annotation of Bricole.

In general, Bricole is a Cluster M1 bacteriophage. We were able to compare our phage with the 3 other Cluster Ms to compare our final annotations, gene calls and gene functions. It was extremely helpfully to have that additional information on our first attempt at annotation.

We feel that the following genes or sequences warrant additional attention by the reviewers:

1. Gene 64 (42947-43177): The original GL strength was 0.59 and not called by GeneMark but called in PegLeg (Cluster M phage).
2. Gene 77 (49684-49968): The blast hit was low and matched a Bacillus sp.
3. There were some large gaps that had no coding potential, but possibly might hold a tRNA or tmRNA – (Between element 90-91: 54619-55468); (Between element 96-97: 57149-57637);
4. One of our longest genes #146 may have a better start site.

Thank you for double checking our work. We at ODU appreciate the opportunity and we look forward to hearing back from you.

Sincerely,

Dr. Nazir Barekzi