Genome Annotation Submission Cover Sheet

Preliminary Annotation Review Checklist 4-4-2018

Phage Name:	Bread
Your Name:	Dane Bowder
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please see the Online 1. Does the geno same as the possible same as the gene number? 4. Have all old Blue same same same as the possible same same same same same same same sam	bx indicating completion of each task. If you are not sure how to do something, Bioinformatics manual page "How to Pass Preliminary Review". Imme sequence in your final contain the same number of bases and is it the osted sequence on phagesdb.org? es "valid" when you click the "validate" button? Is been renumbered such that they go sequentially from 1 to the highest AST hits been cleared, and all gene features reBLASTed? ags the "SEA_ PHAGENAME"? mentation been recreated to match the information in the feature table? ds been adjusted with web-based Aragorn and/or tRNAscan SE? shift in the tail assembly chaperone been annotated (where applicable?)
9. For the items below, generate a genome profile, and review the following. For the	
YourPhageName_CompleteNotes.dnam5 file:	
b. Does ev c. Do the f d. Are all t	y duplicate genes (or any with the same stop coordinate?) been removed? yery gene have one and only one complete set of Notes functions in the Notes match the official function list? hree lines of functional evidence described for EVERY gene?
e. Do the r	notes contain the initial Glimmer/GeneMark data from the autoannotation?
a. Have ar b. Is the No marks? c. Do the f	PhageName .dnam5 file: ny duplicate genes (or any with the same stop coordinate?) been removed? otes field empty for all the features with no known function (including hidden function names in the Notes match the official function list? nction field EMPTY for all features?
	e PECAAN to annotate your phage? e describe how in the text field after question 11.

PECAAN was used by the instructors to check the annotations, but the students did not use it.

and warrant further inspection in the Quality Control review.

We annotated phages FudgeTart and Bread in parallel in the same class and the groups of students agreed on function calls and evidence, so we are confident in our annotation.

Describe any issues or specific genes that you were unable to satisfactorily resolve,

There are two function calls that we were unsure of. Feature 93 was called equally by other phages as a phosphoesterase and an RNA ligase. We chose to retain both functions. Feature 194 we called as an RNA binding protein because we could not find sufficient evidence to call it as a more specific RNA binding function.