Genome Annotation Submission Cover Sheet

Preliminary Annotation Review Checklist 5-15-2018

Your Name	M. Esa Seegulam
Your Institu	Culver-Stockton College
Your email:	mseegulam@culver.edu
Additional e	
please see 1. Doe sam 2. Are 3. Hav num 4. Hav 5. Are 6. Has 7. Hav	ck each box indicating completion of each task. If you are not sure how to do something, the Online Bioinformatics manual page "How to Pass Preliminary Review". It is the genome sequence in your final contain the same number of bases and is it the leas the posted sequence on phagesdb.org? If all the genes "valid" when you click the "validate" button? If the genes been renumbered such that they go sequentially from 1 to the highest liber? If all old BLAST hits been cleared, and all gene features reBLASTed? If the locus tags the "SEA_ PHAGENAME"? If the Documentation been recreated to match the information in the feature table? If the tail assembly chaperone been annotated (where applicable?)
9. For	the items below, generate a genome profile, and review the following. For the
You	rPhageName_CompleteNotes.dnam5 file:
a b c d d d d d d d d d d d d d d d d d d	 Does every gene have one and only one complete set of Notes Do the functions in the Notes match the official function list? Are all three lines of functional evidence described for EVERY gene? Do the notes contain the initial Glimmer/GeneMark data from the autoannotation? or the YourPhageName .dnam5 file: Have any duplicate genes (or any with the same stop coordinate?) been removed? Is the Notes field empty (including hidden marks?) Do the function names in the Product field either match the official function list or say "Hypothetical Protein"?
11. and war	Did you use PECAAN to annotate your phage? If, so please describe how in the text field after question 11. Describe any issues or specific genes that you were unable to satisfactorily resolve, trant further inspection in the Quality Control review.
#4. Unable	to complete re-BLAST due to file corruption; Welkin advised to submit without

#7: No tRNAs found

BLAST.

Phage Name:

Gervas

#10: After teaching my students the basics of DNA Master and the individual programs, and annotating the first half of the genome by hand, we switched to PECAAN. Unfortunately, I remain very confused about how to adequately explain to my undergrads the process or reasoning behind the BLAST and HHPred data notes or where to find some of the requested data and I am very dependent on PECAAN to do this for us.