Genome Annotation Submission Cover Sheet

Pre-SM*ART QC Phage Genome Annotation Checklist

Fliage Name.		ivallie.	GreaseLightinin
Your Name:		lame:	Deborah Tobiason
Your Institution:		nstitution:	Carthage College
Your email:		mail:	dtobiason@carthage.edu
Additional emails: (For correspondence)			
Please check each box indicating completion of each task.			
/	1.	•	ome sequence in your final contain the same number of bases and is it the osted sequence on phagesdb.org?
/	2.	Are all the genes "valid" when you click the "validate" button? Have the genes been renumbered such that they go sequentially from 1 to the highest	
/			
/			LAST hits been cleared, and all gene features reBLASTed? tags the"SEA_ PHAGENAME"?
/	•		mentation been recreated to match the information in the feature table?
/	7.	Have tRNA en	ds been adjusted with web-based Aragorn and/or tRNAscan SE?

9. For the items below, generate a genome profile, and review the following. For the

8. Has the frameshift in the tail assembly chaperone been annotated (where applicable?)

YourPhageName_CompleteNotes.dnam5 file:

a. Have any duplicate genes (or any with the same stop coordinate?) been removed?
b. Does every gene have one and only one complete set of Notes
c. Do the functions in the Notes match the official function list?
d. Are all three lines of functional evidence described for EVERY gene?
e. Do the notes contain the initial Glimmer/GeneMark data from the autoannotation?

For the YourPhageName .dnam5 file:

- a. Have any duplicate genes (or any with the same stop coordinate?) been removed?
- b. Is the Notes field empty for all the features with no known function (including hidden marks?
- c. Do the function names in the Notes match the official function list?
- d. Is the function field EMPTY for all features?
- 9. Did you use PECAAN to annotate your phage?
 - a. If, so please describe how in the text field after question 10.
- 10. Describe any issues or specific genes that you were unable to satisfactorily resolve, and warrant further inspection in the Quality Control review.