Genome Annotation Submission Cover Sheet

Pre-SM*ART QC Phage Genome Annotation Checklist

Phage Name:		Name	: SpikeBT		
Your Name:		lame:	Deborah Tobiason		
Your Institution:		nstitutio	on: Carthage College		
Your email:		mail:	dtobiason@carthage.edu		
		onal en orrespo	nails: ndence)		
PI	ease	e check	ceach box indicating completion of each task.		
/		camo	Does the genome sequence in your final contain the same number of bases and is it the same as the posted sequence on phagesdb.org?		
		the genes been renumbered such that they go sequentially from 1 to the highest			
/	4. 5.	Have Are th	number? Have all old BLAST hits been cleared, and all gene features reBLASTed? Are the locus tags the"SEA_ PHAGENAME"? Has the Documentation been recreated to match the information in the feature table?		
/			tRNA ends been adjusted with web-based Aragorn and/or tRNAscan SE? ne frameshift in the tail assembly chaperone been annotated (where applicable?)		
	9.	For th	For the items below, generate a genome profile, and review the following. For the		
		YourPhageName_CompleteNotes.dnam5 file:			
/		b.	Have any duplicate genes (or any with the same stop coordinate?) been removed? 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?		
/		e.	Do the notes contain the initial Glimmer/GeneMark data from the autoannotation?		
~		For the YourPhageName .dnam5 file:			
/			Have any duplicate genes (or any with the same stop coordinate?) been removed? Is the Notes field empty for all the features with no known function (including hidder marks?		
/			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.

Gene 51 has multiple possible functions but we were not confident in calling a specific one.