## **Genome Annotation Submission Cover Sheet**

## Pre-SM\*ART QC Phage Genome Annotation Checklist

Phage Name:			: Kurt	
Your Name:			Deborah Tobiason	
Your Institution:			on: Carthage College	
Your email:			dtobiason@carthage.edu	
		onal em orrespo	nails:	
Ple	ease	e check	each box indicating completion of each task.	
/		Does the genome sequence in your final contain the same number of bases and is same as the posted sequence on phagesdb.org?		
/////		,		
	4. 5.	Are the locus tags the "SEA_ PHAGENAME"?		
	<u> </u>			
/	7. 8.	Have tRNA ends been adjusted with web-based Aragorn and/or tRNAscan SE?  Has the frameshift 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>/</b>		b.	Have any duplicate genes (or any with the same stop coordinate?) been removed? Does every gene have <b>one and only one</b> complete set of Notes	
<b>/</b>			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?	
~			the YourPhageName .dnam5 file:	
<b>/</b>			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?	
<b>/</b>			Do the function names in the Notes match the official function list?  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.

Kurt was annotated in Spring 2017 before synteny was required though synteny was recently looked at to verify functions. Starterator data was examined for every gene and used to verify starts of same phams in our other CR2 phages- Emianna, JiFall16 and Kidneybean.