Genome Annotation Submission Cover Sheet

Preliminary Annotation Review Checklist 4-4-2018

Phage Name:		e:	Ali17	
Your Name:				Roy Coomans
Y	Your Institution:			North Carolina A&T State University
Your email:				coomansr@ncat.edu
		onal er orrespo	mails: ondence)	
	2. 3. 4. 5. 6. 7.	For the Yourf a. b. c. d. e. For a. b.	the Online the geno as the per the geno the geno the geno the geno er? all old Bl he locus the Docur tRNA en he frames he items I Does en Do the f Are all the Do the r the Your Have ar Is the No marks? Do the f	ax indicating completion of each task. If you are not sure how to do something Bioinformatics manual page "How to Pass Preliminary Review". Image: when 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"? Intentation been recreated to match the information in the feature table? It is been adjusted with web-based Aragorn and/or tRNAscan SE? Is thift in the tail assembly chaperone been annotated (where applicable?) Intelligence on the me_CompleteNotes.dnam5 file: It is duplicate genes (or any with the same stop coordinate?) been removed? It is gene have one and only one complete set of Notes Intelligence on the Notes match the official function list? Intelligence on the initial Glimmer/GeneMark data from the autoannotation? PhageName dnam5 file: It y duplicate genes (or any with the same stop coordinate?) been removed? Intelligence of the file of the same stop coordinate?) been removed? Intelligence of the file of the same stop coordinate?) been removed? Intelligence of the file of the same stop coordinate?) been removed? Intelligence of the features with no known function (including hidden unction names in the Notes match the official function list?
▼	10. 11. and	lf, De	d you use so pleas escribe a	e PECAAN to annotate your phage? e describe how in the text field after question 11. ny issues or specific genes that you were unable to satisfactorily resolve, inspection in the Quality Control review.

PECAAN was used by the students during annotation but all information was entered into DNA Master. The PECAAN information is not necessarily updated and correct. Genes that caused concern when determining start site or function have a note entered at the end of the Notes field in the Complete Notes file. Gene 3 we were uncertain whether to list DNA methylase as the function. It is a near perfect match for the last 128 amino acids of Phinally gene 5, identified as DNA methylase, but the first 380 amino acids of the Phinally gene are not present, so good E-value but low coverage of the Phinally gene by the much shorter Ali17 gene. We were conservative and put it as NKF rather than list the function.