## **Genome Annotation Submission Cover Sheet**

## **Preliminary Annotation Review Checklist 5-15-2018**

Phage Name:

Dagge

	a.go manno.	Dearlo
Yo	ur Name:	Jason Diaz
Your Institution:		La Salle University
Yo	ur email:	diaz@lasalle.edu
	ditional emails: or correspondence)	jason.diaz.phd@gmail.com
	ease see the Online  1. Does the gend same as the policy 2. Are all the gend number? 4. Have all old Bl 5. Are the locus to the the decur to the tems	by indicating completion of each task. If you are not sure how to do something, Bioinformatics manual page "How to Pass Preliminary Review". If the product in your final contain the same number of bases and is it the posted sequence on phagesdb.org?  The established is equenced in your final contain the same number of bases and is it the posted sequence on phagesdb.org?  The established is equenced in your final contain the same number of bases and is it the posted sequence on phagesdb.org?  The established is equenced in your final contains the same stop contains the feature table in the tail assembly chaperone been annotated (where applicable?)  The elow, generate a genome profile, and review the following. For the sequenced in the Notes and only one complete set of Notes functions in the Notes match the official function list?  There lines of functional evidence described for EVERY gene?  The elowed in the initial Glimmer/GeneMark data from the autoannotation?  The phageName dnam5 file:  They duplicate genes (or any with the same stop coordinate?) been removed?  They duplicate genes (or any with the same stop coordinate?) been removed?  They duplicate genes (or any with the same stop coordinate?) been removed?  They duplicate genes (or any with the same stop coordinate?) been removed?  They duplicate genes (or any with the same stop coordinate?) been removed?
<u>▼</u>		pothetical Protein"? unction field empty (including hidden marks?)
	If, so pleas 11. Describe a	e PECAAN to annotate your phage? se describe how in the text field after question 11. ny issues or specific genes that you were unable to satisfactorily resolve, r inspection in the Quality Control review.
Th	ne genes located be	tween positions 27,000-28,000 were tricky to annotate. Phamerator

suggested a forward gene (Pham 16797) that overlapped with at least one predicted reverse gene (Pham 16662). Instead of these two reverse genes in this region, many A4 phages have a single gene (Pham 40214) which has been annotated as a deaminase (see Eros gp 35). Tinybot is an A4 phage with gene architecture similar to Deano, and was used to guide annotation of this region (Deano gp35 and gp36), but I am not strongly convinced of which gene architecture to follow (Eros vs Tinybot, Cluster A4). Finally, a second DNA primase was manually added, following the annotation guidelines of cluster A phages. A second look would be helpful. (Deano gp55).