## **Genome Annotation Submission Cover Sheet**

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

Phage Name:

Eradicator

Your Name:		Abbie George
Your Institution: Your email: Additional emails: (For correspondence)		Montana Technological University
		ageorge@mtech.edu
		mpedulla@mtech.edu
	2. Are all the general number? 4. Have all old Bl. Are the locus to Has the Docur 7. Have tRNA en B. Has the frames 9. For the items by YourPhageName a. Have an b. Does eveneral number and the control of the following t	ox indicating completion of each task. If you are not sure how to do something, Bioinformatics manual page "How to Pass Preliminary Review".  In the sequence in your final contain the same number of bases and is it the costed sequence on phagesdb.org?  It is es "valid" when you click the "validate" button?  It is been renumbered such that they go sequentially from 1 to the highest  LAST hits been cleared, and all gene features reBLASTed?  In ags the "SEA_ PHAGENAME"?  In the tail assembly chaperone been annotated (where applicable?)  It is been adjusted with web-based Aragorn and/or tRNAscan SE?  It is the tail assembly chaperone been annotated (where applicable?)  In the tail assembly chaperone been annotated (where applicable?)  In the completeNotes.dnam5 file:  In y duplicate genes (or any with the same stop coordinate?) been removed?  In y duplicate genes (or any with the same stop coordinate?) been removed?  It is younged to the tail and the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (where applicable) is younged to the same stop coordinate? (
<b>✓</b>		notes contain the initial Glimmer/GeneMark data from the autoannotation?
ソソソ	<ul><li>a. Have ar</li><li>b. Is the N</li><li>c. Do the f</li><li>say "Hy</li></ul>	PhageName .dnam5 file: ny duplicate genes (or any with the same stop coordinate?) been removed? otes field empty (including hidden marks?) function names in the Product field either match the official function list or pothetical Protein"? unction field empty (including hidden marks?)
Th	If, so pleas 11. Describe a and warrant furthe	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, r inspection in the Quality Control review.  ne BLAST failed multiple times and was therefore unable to be
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The annotated genome BLAST failed multiple times and was therefore unable to be reBLASTed. Interestingly, there was a transposase gene where similar phages predicted an integrase gene. The final gene count was determined to be 95 compared to the 96 genes that were originally called. Genes 32, 38, 39, and 66 from the prediction were deleted and genes 94, 95, and 96 were determined to be forward genes rather than the original call of reverse genes in that location. Several genes were also added such as a reverse gene 37, as well as forward genes 40 and 75 in the newly renumbered genome