Yoncess annotation

This is a Rhodococcus phage.

RER2 was very similar, with the main difference being that the last few genes of RER2 were at the beginning of Yoncess. We used RER2 as the main comparison for the starts.

The genome had 2 independent teams working on the annotation, and then I merged these two annotations and reconciled any differences between them (or any differences with RER2).

Items to focus on:

The students checked the tRNA and said they clipped them appropriately. They seem correct but I have not had tRNA previously. I would appreciate help making sure these are correct.

Genes with changed starts:

7, 43, 47, 56

All starts were changed to correspond to RER2 annotation.

Added genes:

48 – replaced the auto-annotated numbered gene 45. Blast match to RER2 and is Primase.

50 – large gap. New gene has very good blast alignment and is a exonuclease

Deleted auto-annotated genes (original numbering)

45 was a forward gene in a sea of reverse. No blast mathes. Switched it to what is now gene 48 – which has great blast matches and is a Primase.

Large gaps:

Between 57 and 58. Does not seem to have any reasonable ORFs and RER2 also has a gap here.

Between 67 and 68. Does not seem to have any reasonable ORFs and RER2 also has a gap here.