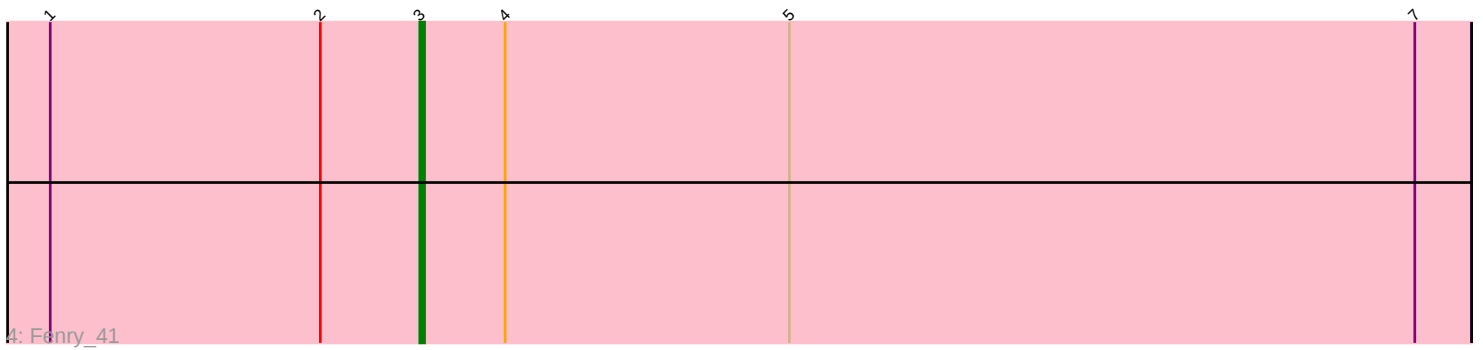
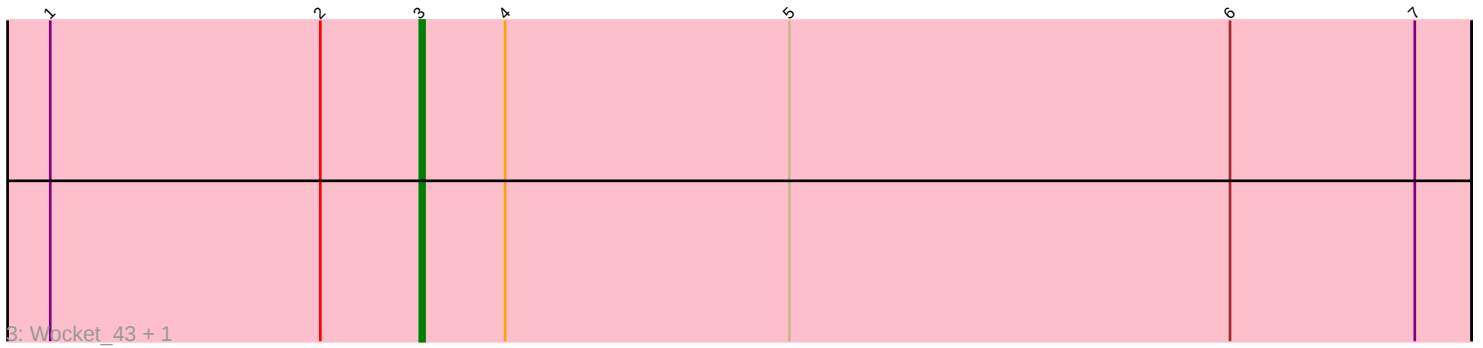
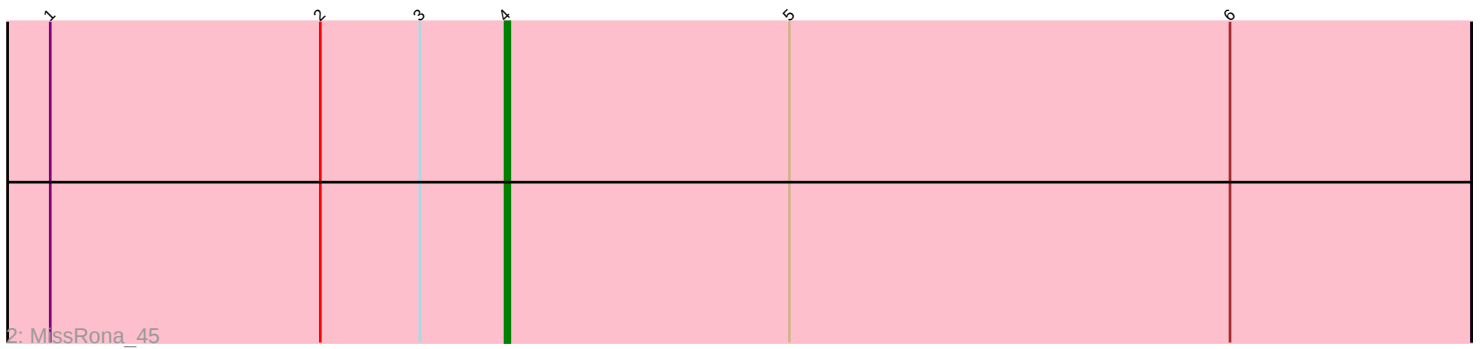
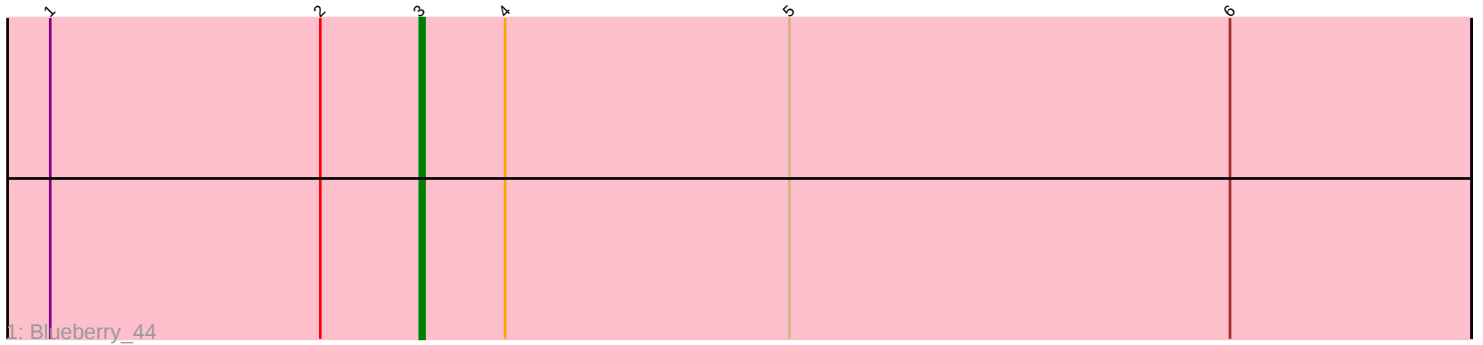




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 310242 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310242 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Blueberry_44
- Track 2 : MissRona_45
- Track 3 : Wocket_43, Jalammah_46
- Track 4 : Fenry_41

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blueberry_44, Fenry_41, Jalammah_46, Wocket_43,

Genes that have the "Most Annotated" start but do not call it:

- MissRona_45,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 3:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Blueberry_44 (CV), Fenry_41 (CV), Jalammah_46 (CV), Wocket_43 (CV),

Start 4:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 20.0% of time when present
- Phage (with cluster) where this start called: MissRona_45 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:

- Start number 3 was manually annotated 4 times for cluster CV.
- Start number 4 was manually annotated 1 time for cluster CV.

Gene Information:

Gene: Blueberry_44 Start: 34807, Stop: 35028, Start Num: 3

Candidate Starts for Blueberry_44:

(1, 34729), (2, 34786), (Start: 3 @34807 has 4 MA's), (Start: 4 @34825 has 1 MA's), (5, 34885), (6, 34978),

Gene: Fenry_41 Start: 33811, Stop: 34032, Start Num: 3

Candidate Starts for Fenry_41:

(1, 33733), (2, 33790), (Start: 3 @33811 has 4 MA's), (Start: 4 @33829 has 1 MA's), (5, 33889), (7, 34021),

Gene: Jalammah_46 Start: 35124, Stop: 35345, Start Num: 3

Candidate Starts for Jalammah_46:

(1, 35046), (2, 35103), (Start: 3 @35124 has 4 MA's), (Start: 4 @35142 has 1 MA's), (5, 35202), (6, 35295), (7, 35334),

Gene: MissRona_45 Start: 34826, Stop: 35029, Start Num: 4

Candidate Starts for MissRona_45:

(1, 34730), (2, 34787), (Start: 3 @34808 has 4 MA's), (Start: 4 @34826 has 1 MA's), (5, 34886), (6, 34979),

Gene: Wocket_43 Start: 32917, Stop: 33138, Start Num: 3

Candidate Starts for Wocket_43:

(1, 32839), (2, 32896), (Start: 3 @32917 has 4 MA's), (Start: 4 @32935 has 1 MA's), (5, 32995), (6, 33088), (7, 33127),