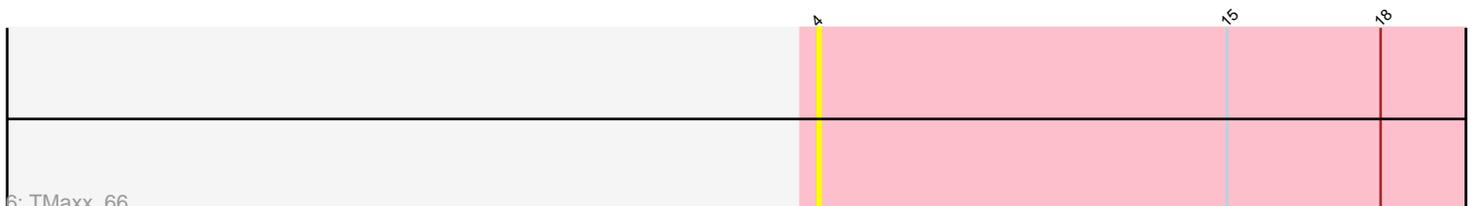
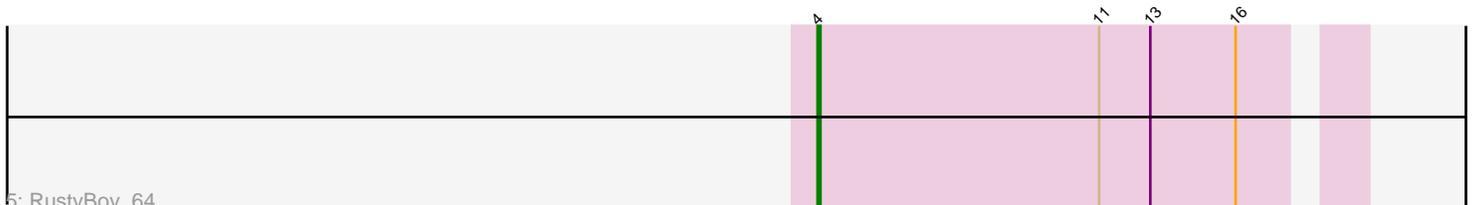
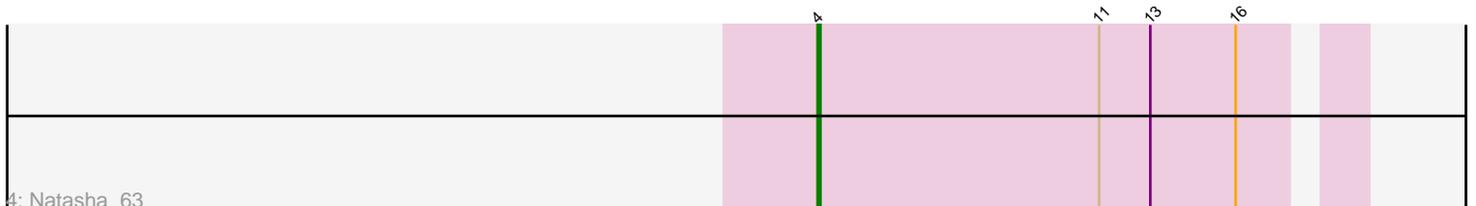
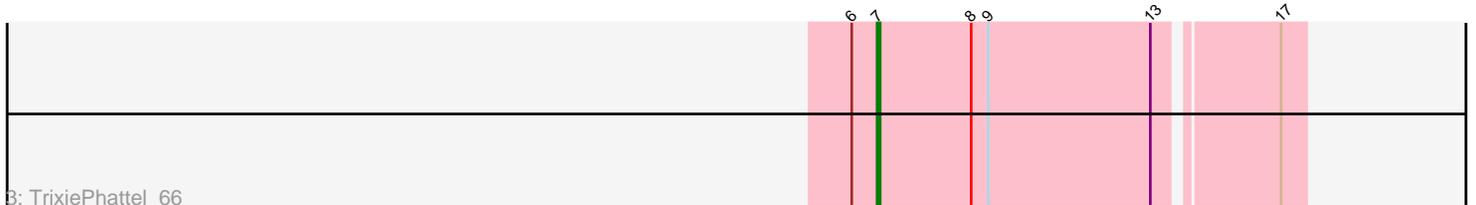
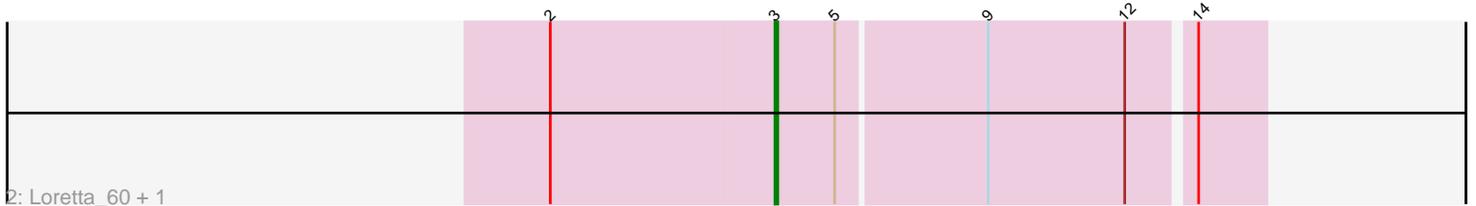
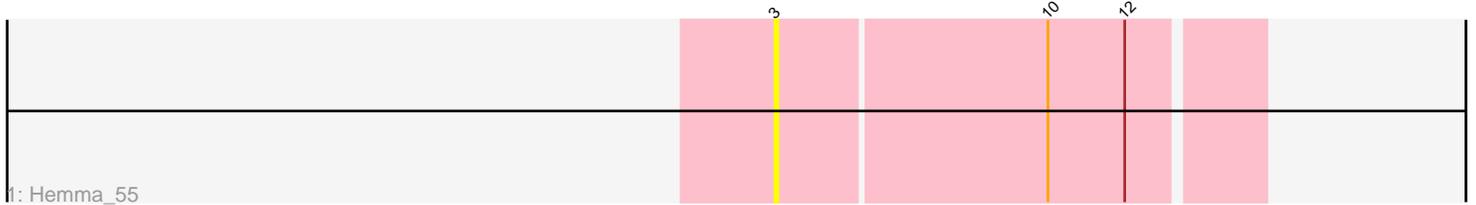


Pham 291805



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 291805 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291805 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Hemma\_55
- Track 2 : Loretta\_60, Ingrid\_63
- Track 3 : TrixiePhattel\_66
- Track 4 : Natasha\_63
- Track 5 : RustyBoy\_64
- Track 6 : TMaxx\_66
- Track 7 : LastNadiia\_62

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- LastNadiia\_62, Natasha\_63, RustyBoy\_64, TMaxx\_66,

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

- 

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

- Hemma\_55, Ingrid\_63, Loretta\_60, TrixiePhattel\_66,

### **Summary by start number:**

Start 3:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hemma\_55 (AU1), Ingrid\_63 (AU3), Loretta\_60 (AU3),

Start 4:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 2 of 5

- Called 100.0% of time when present
- Phage (with cluster) where this start called: LastNadiia\_62 (FR), Natasha\_63 (AW), RustyBoy\_64 (AW), TMaxx\_66 (FR),

Start 7:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TrixiePhattel\_66 (AU6),

### **Summary by clusters:**

There are 5 clusters represented in this pham: AU1, AU3, FR, AW, AU6,

Info for manual annotations of cluster AU3:

- Start number 3 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU6:

- Start number 7 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster AW:

- Start number 4 was manually annotated 2 times for cluster AW.

### **Gene Information:**

Gene: Hemma\_55 Start: 39719, Stop: 39883, Start Num: 3

Candidate Starts for Hemma\_55:

(Start: 3 @39719 has 2 MA's), (10, 39812), (12, 39839),

Gene: Ingrid\_63 Start: 42949, Stop: 43113, Start Num: 3

Candidate Starts for Ingrid\_63:

(2, 42871), (Start: 3 @42949 has 2 MA's), (5, 42970), (9, 43021), (12, 43069), (14, 43090),

Gene: LastNadiia\_62 Start: 39128, Stop: 38916, Start Num: 4

Candidate Starts for LastNadiia\_62:

(1, 39395), (Start: 4 @39128 has 2 MA's), (11, 39029), (15, 38984),

Gene: Loretta\_60 Start: 42949, Stop: 43113, Start Num: 3

Candidate Starts for Loretta\_60:

(2, 42871), (Start: 3 @42949 has 2 MA's), (5, 42970), (9, 43021), (12, 43069), (14, 43090),

Gene: Natasha\_63 Start: 41159, Stop: 41341, Start Num: 4

Candidate Starts for Natasha\_63:

(Start: 4 @41159 has 2 MA's), (11, 41258), (13, 41276), (16, 41306),

Gene: RustyBoy\_64 Start: 41358, Stop: 41540, Start Num: 4

Candidate Starts for RustyBoy\_64:

(Start: 4 @41358 has 2 MA's), (11, 41457), (13, 41475), (16, 41505),

Gene: TMaxx\_66 Start: 37956, Stop: 37726, Start Num: 4

Candidate Starts for TMaxx\_66:

(Start: 4 @37956 has 2 MA's), (15, 37812), (18, 37758),

Gene: TrixiePhattel\_66 Start: 42308, Stop: 42451, Start Num: 7

Candidate Starts for TrixiePhattel\_66:

(6, 42299), (Start: 7 @42308 has 1 MA's), (8, 42341), (9, 42347), (13, 42404), (17, 42443),