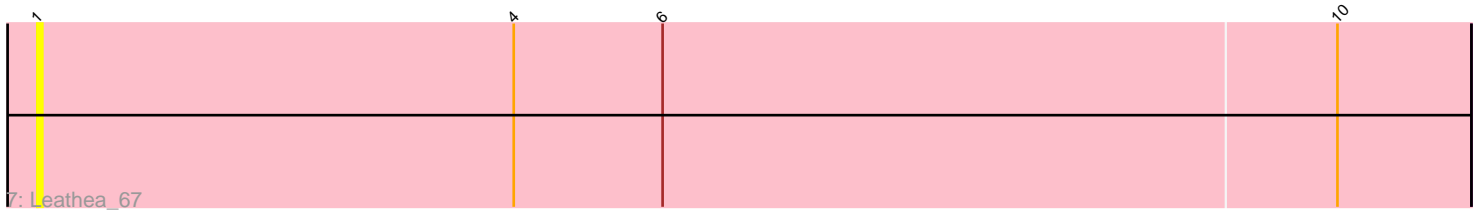
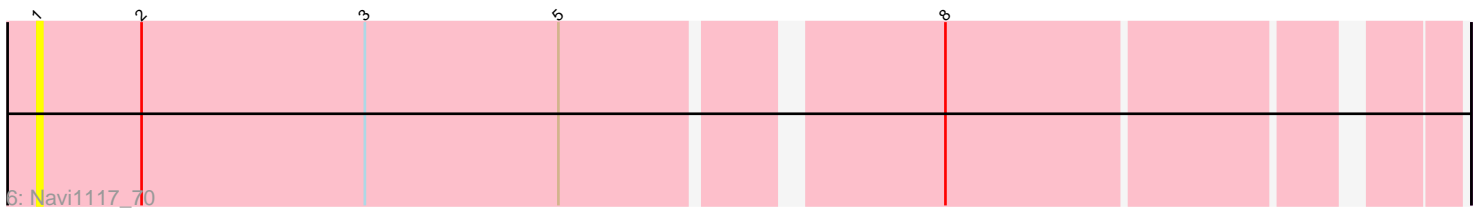
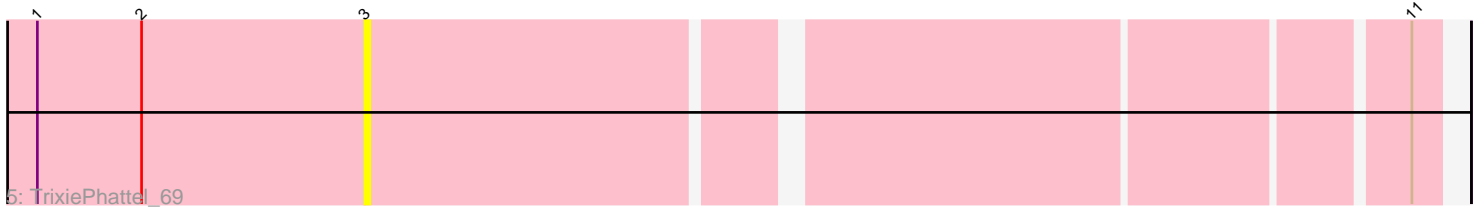
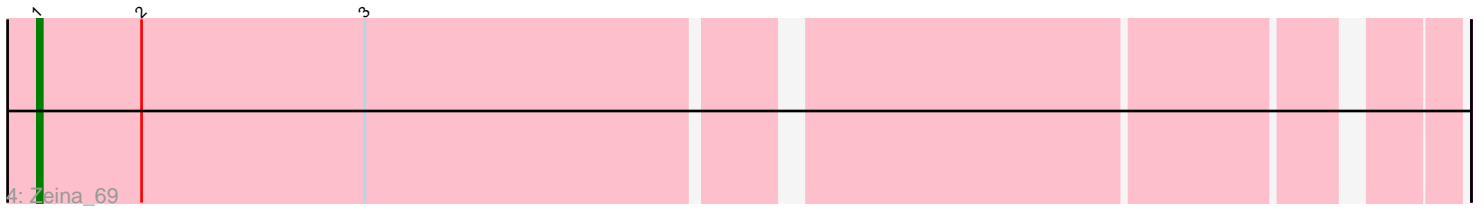
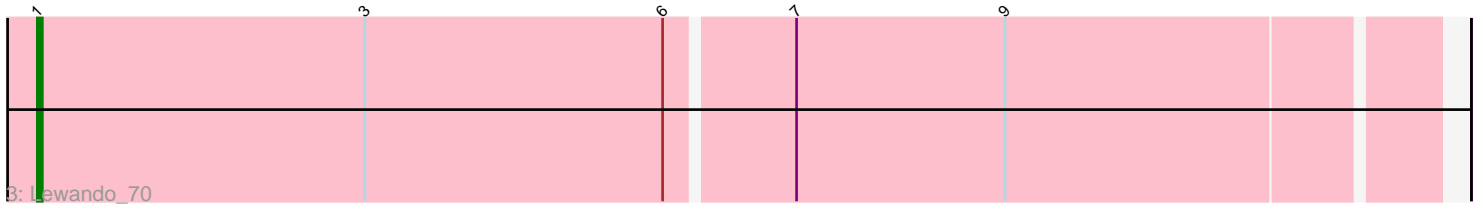
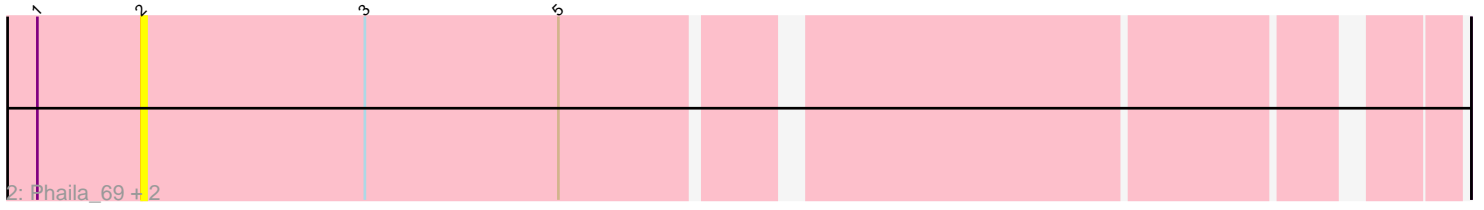
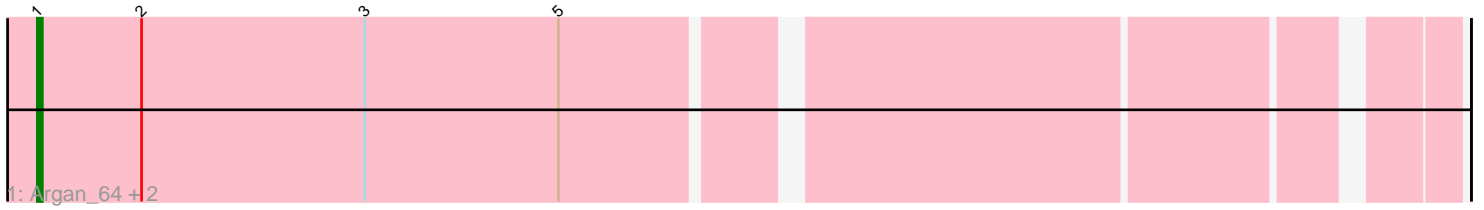


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 216759 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216759 has 11 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Argan\_64, Uzumaki\_64, GantcherGoblin\_65
- Track 2 : Phaila\_69, Tenney120\_70, KevinMinion\_66
- Track 3 : Lewando\_70
- Track 4 : Zeina\_69
- Track 5 : TrixiePhattel\_69
- Track 6 : Navi1117\_70
- Track 7 : Leathea\_67

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan\_64, GantcherGoblin\_65, Leathea\_67, Lewando\_70, Navi1117\_70, Uzumaki\_64, Zeina\_69,

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

- KevinMinion\_66, Phaila\_69, Tenney120\_70, TrixiePhattel\_69,

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

- 

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

Start 1:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 63.6% of time when present
- Phage (with cluster) where this start called: Argan\_64 (AU6), GantcherGoblin\_65 (AU6), Leathea\_67 (AU6), Lewando\_70 (AU6), Navi1117\_70 (AU6), Uzumaki\_64 (AU6), Zeina\_69 (AU6),

Start 2:

- Found in 9 of 11 ( 81.8% ) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: KevinMinion\_66 (AU6), Phaila\_69 (AU6), Tenney120\_70 (AU6),

Start 3:

- Found in 10 of 11 ( 90.9% ) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: TrixiePhattel\_69 (AU6),

### **Summary by clusters:**

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 5 times for cluster AU6.

### **Gene Information:**

Gene: Argan\_64 Start: 42700, Stop: 42966, Start Num: 1

Candidate Starts for Argan\_64:

(Start: 1 @42700 has 5 MA's), (2, 42721), (3, 42766), (5, 42805),

Gene: GantcherGoblin\_65 Start: 42756, Stop: 43022, Start Num: 1

Candidate Starts for GantcherGoblin\_65:

(Start: 1 @42756 has 5 MA's), (2, 42777), (3, 42822), (5, 42861),

Gene: KevinMinion\_66 Start: 43672, Stop: 43917, Start Num: 2

Candidate Starts for KevinMinion\_66:

(Start: 1 @43651 has 5 MA's), (2, 43672), (3, 43717), (5, 43756),

Gene: Leathea\_67 Start: 42633, Stop: 42920, Start Num: 1

Candidate Starts for Leathea\_67:

(Start: 1 @42633 has 5 MA's), (4, 42729), (6, 42759), (10, 42894),

Gene: Lewando\_70 Start: 44452, Stop: 44727, Start Num: 1

Candidate Starts for Lewando\_70:

(Start: 1 @44452 has 5 MA's), (3, 44518), (6, 44578), (7, 44602), (9, 44644),

Gene: Navi1117\_70 Start: 43660, Stop: 43926, Start Num: 1

Candidate Starts for Navi1117\_70:

(Start: 1 @43660 has 5 MA's), (2, 43681), (3, 43726), (5, 43765), (8, 43834),

Gene: Phaila\_69 Start: 42904, Stop: 43149, Start Num: 2

Candidate Starts for Phaila\_69:

(Start: 1 @42883 has 5 MA's), (2, 42904), (3, 42949), (5, 42988),

Gene: Tenney120\_70 Start: 43437, Stop: 43682, Start Num: 2

Candidate Starts for Tenney120\_70:

(Start: 1 @43416 has 5 MA's), (2, 43437), (3, 43482), (5, 43521),

Gene: TrixiePhattel\_69 Start: 43109, Stop: 43309, Start Num: 3

Candidate Starts for TrixiePhattel\_69:

(Start: 1 @43043 has 5 MA's), (2, 43064), (3, 43109), (11, 43304),

Gene: Uzumaki\_64 Start: 42857, Stop: 43123, Start Num: 1

Candidate Starts for Uzumaki\_64:

(Start: 1 @42857 has 5 MA's), (2, 42878), (3, 42923), (5, 42962),

Gene: Zeina\_69 Start: 43551, Stop: 43817, Start Num: 1

Candidate Starts for Zeina\_69:

(Start: 1 @43551 has 5 MA's), (2, 43572), (3, 43617),