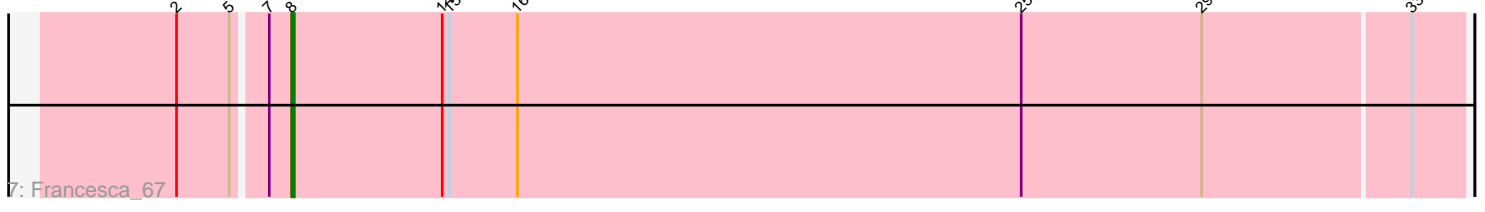
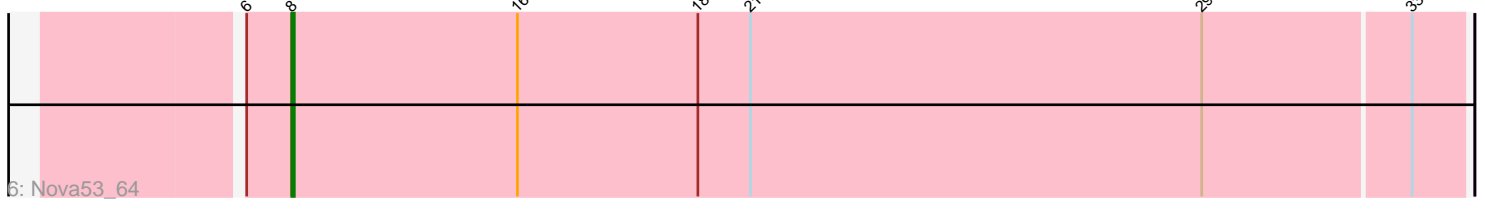
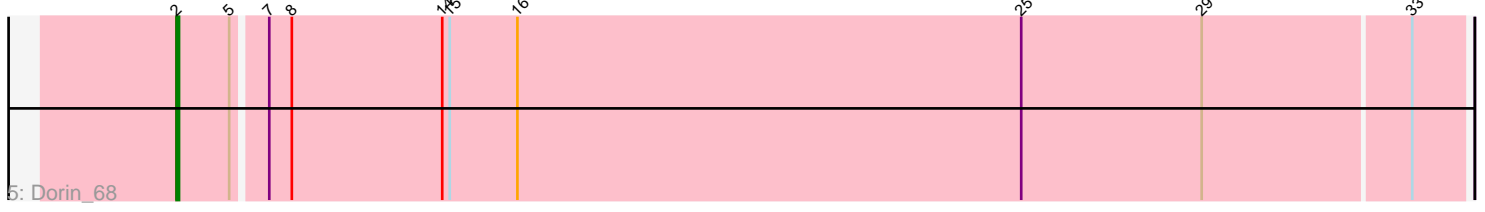
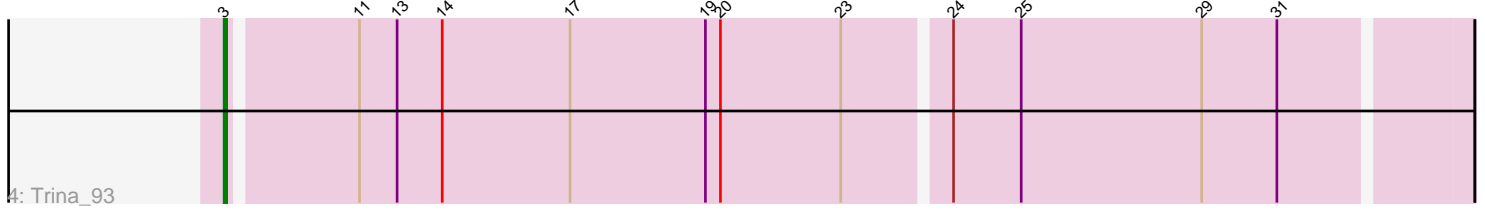
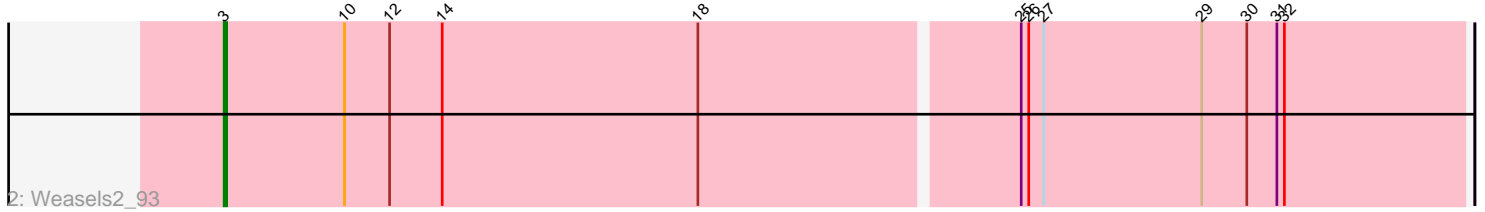
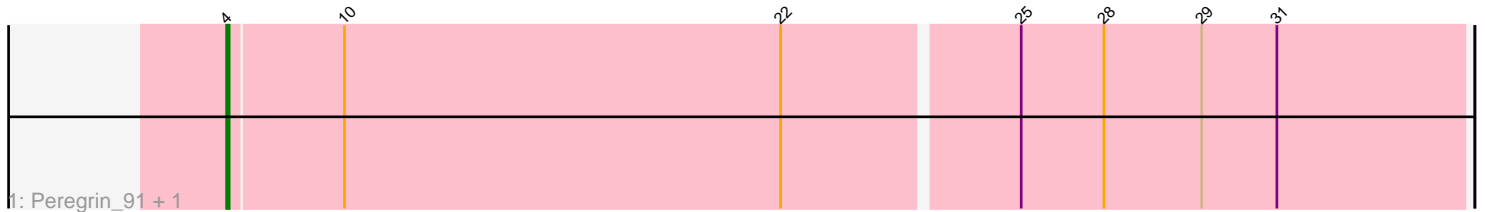


# Pham 297298



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 297298 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297298 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Peregrin\_91, Grayson\_94
- Track 2 : Weasels2\_93
- Track 3 : NiceHouse\_82
- Track 4 : Trina\_93
- Track 5 : Dorin\_68
- Track 6 : Nova53\_64
- Track 7 : Francesca\_67

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Francesca\_67, Nova53\_64,

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

- Dorin\_68,

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

- Grayson\_94, NiceHouse\_82, Peregrin\_91, Trina\_93, Weasels2\_93,

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

Start 2:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dorin\_68 (CG),

Start 3:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Trina\_93 (CE), Weasels2\_93 (CB),

Start 4:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson\_94 (CB), Peregrin\_91 (CB),

Start 6:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NiceHouse\_82 (CE),

Start 8:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Francesca\_67 (CG), Nova53\_64 (CG),

### **Summary by clusters:**

There are 3 clusters represented in this pham: CB, CG, CE,

Info for manual annotations of cluster CB:

- Start number 3 was manually annotated 1 time for cluster CB.
- Start number 4 was manually annotated 2 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 3 was manually annotated 1 time for cluster CE.
- Start number 6 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

- Start number 2 was manually annotated 1 time for cluster CG.
- Start number 8 was manually annotated 2 times for cluster CG.

### **Gene Information:**

Gene: Dorin\_68 Start: 55174, Stop: 55680, Start Num: 2

Candidate Starts for Dorin\_68:

(Start: 2 @55174 has 1 MA's), (5, 55195), (7, 55207), (Start: 8 @55216 has 2 MA's), (14, 55276), (15, 55279), (16, 55306), (25, 55507), (29, 55579), (33, 55660),

Gene: Francesca\_67 Start: 55399, Stop: 55863, Start Num: 8

Candidate Starts for Francesca\_67:

(Start: 2 @55357 has 1 MA's), (5, 55378), (7, 55390), (Start: 8 @55399 has 2 MA's), (14, 55459), (15, 55462), (16, 55489), (25, 55690), (29, 55762), (33, 55843),

Gene: Grayson\_94 Start: 57408, Stop: 57893, Start Num: 4

Candidate Starts for Grayson\_94:

(Start: 4 @57408 has 2 MA's), (10, 57453), (22, 57627), (25, 57717), (28, 57750), (29, 57789), (31, 57819),

Gene: NiceHouse\_82 Start: 60077, Stop: 60556, Start Num: 6

Candidate Starts for NiceHouse\_82:

(1, 59999), (Start: 6 @60077 has 1 MA's), (9, 60104), (14, 60155), (24, 60359), (25, 60386), (29, 60458), (31, 60488),

Gene: Nova53\_64 Start: 54807, Stop: 55271, Start Num: 8

Candidate Starts for Nova53\_64:

(Start: 6 @54789 has 1 MA's), (Start: 8 @54807 has 2 MA's), (16, 54897), (18, 54969), (21, 54990), (29, 55170), (33, 55251),

Gene: Peregrin\_91 Start: 55775, Stop: 56260, Start Num: 4

Candidate Starts for Peregrin\_91:

(Start: 4 @55775 has 2 MA's), (10, 55820), (22, 55994), (25, 56084), (28, 56117), (29, 56156), (31, 56186),

Gene: Trina\_93 Start: 63190, Stop: 63669, Start Num: 3

Candidate Starts for Trina\_93:

(Start: 3 @63190 has 2 MA's), (11, 63238), (13, 63253), (14, 63271), (17, 63322), (19, 63376), (20, 63382), (23, 63430), (24, 63469), (25, 63496), (29, 63568), (31, 63598),

Gene: Weasels2\_93 Start: 56930, Stop: 57418, Start Num: 3

Candidate Starts for Weasels2\_93:

(Start: 3 @56930 has 2 MA's), (10, 56978), (12, 56996), (14, 57017), (18, 57119), (25, 57242), (26, 57245), (27, 57251), (29, 57314), (30, 57332), (31, 57344), (32, 57347),