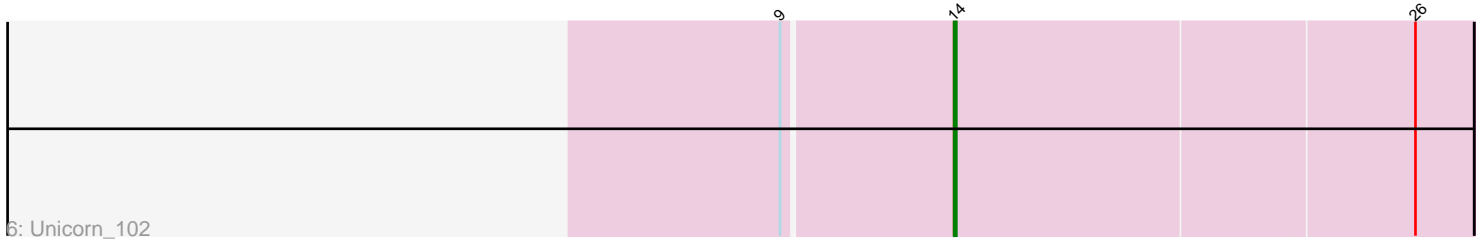
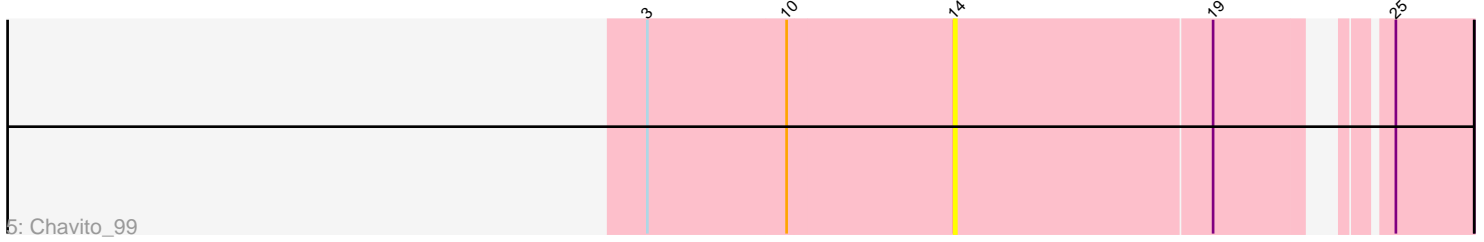
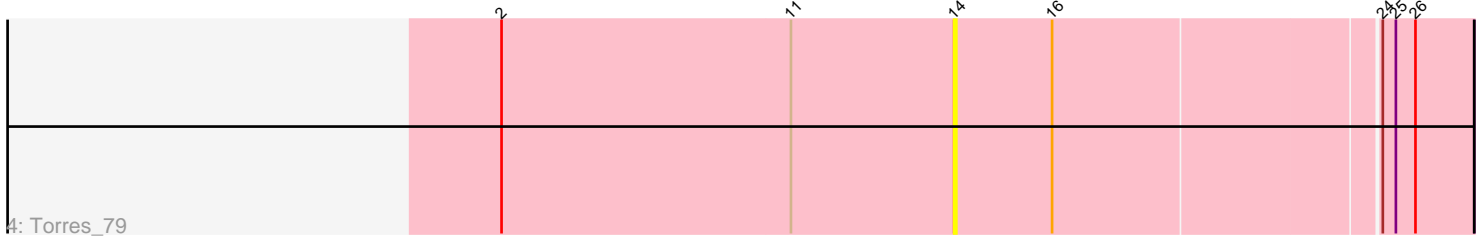
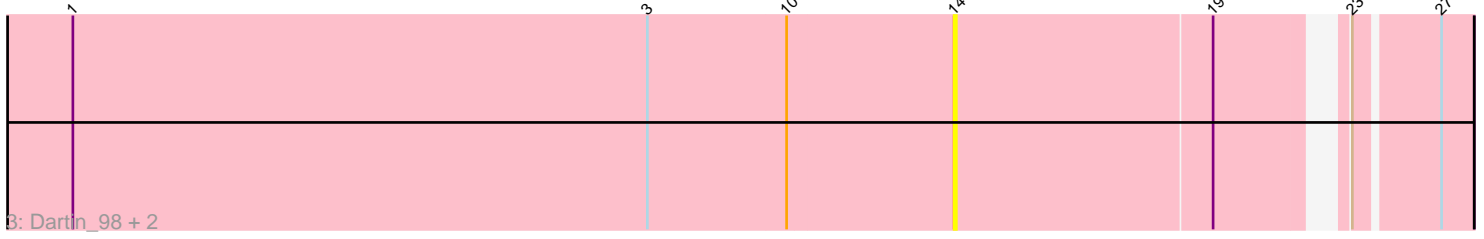
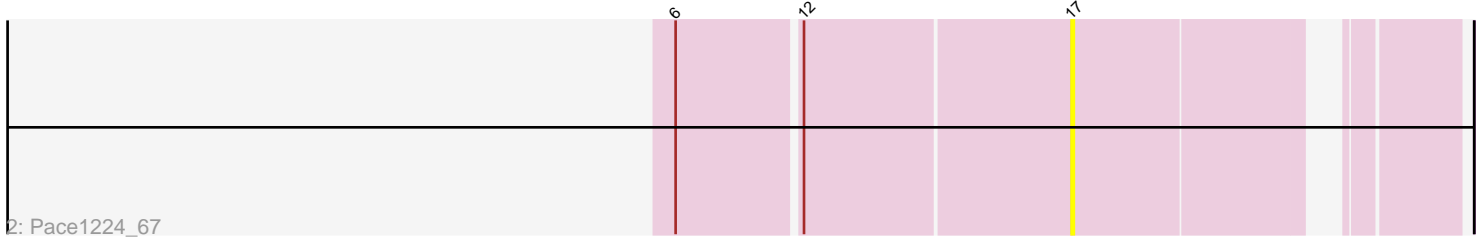
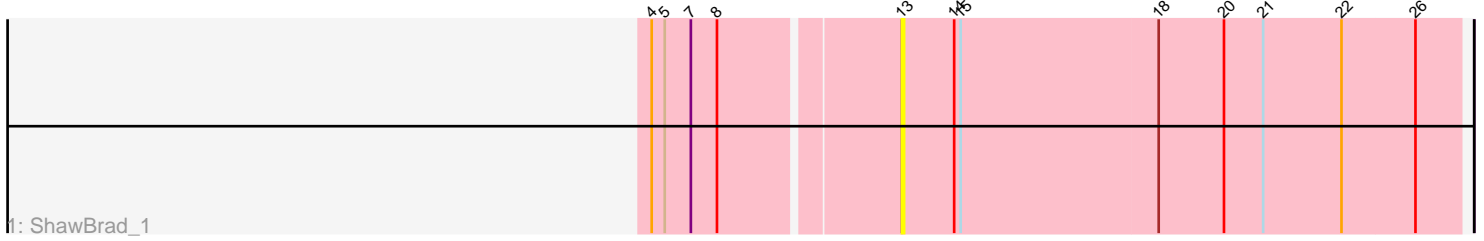


Pham 216834



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 216834 Report

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

Pham number 216834 has 8 members, 7 are drafts.

Phages represented in each track:

- Track 1 : ShawBrad\_1
- Track 2 : Pace1224\_67
- Track 3 : Dartin\_98, Richo\_98, McMater\_98
- Track 4 : Torres\_79
- Track 5 : Chavito\_99
- Track 6 : Unicorn\_102

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

The start number called the most often in the published annotations is 14, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chavito\_99, Dartin\_98, McMater\_98, Richo\_98, Torres\_79, Unicorn\_102,

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

- ShawBrad\_1,

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

- Pace1224\_67,

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

Start 13:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ShawBrad\_1 (DN1),

Start 14:

- Found in 7 of 8 ( 87.5% ) of genes in pham
- Manual Annotations of this start: 1 of 1
- Called 85.7% of time when present

- Phage (with cluster) where this start called: Chavito\_99 (K1), Dartin\_98 (K1), McMater\_98 (K1), Richo\_98 (K1), Torres\_79 (K1), Unicorn\_102 (K6),

Start 17:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pace1224\_67 (G2),

### **Summary by clusters:**

There are 4 clusters represented in this pham: K1, DN1, G2, K6,

Info for manual annotations of cluster K6:

- Start number 14 was manually annotated 1 time for cluster K6.

### **Gene Information:**

Gene: Chavito\_99 Start: 61820, Stop: 62032, Start Num: 14

Candidate Starts for Chavito\_99:

(3, 61682), (10, 61745), (Start: 14 @61820 has 1 MA's), (19, 61937), (25, 61997),

Gene: Dartin\_98 Start: 61129, Stop: 61341, Start Num: 14

Candidate Starts for Dartin\_98:

(1, 60727), (3, 60991), (10, 61054), (Start: 14 @61129 has 1 MA's), (19, 61246), (23, 61291), (27, 61327),

Gene: McMater\_98 Start: 61129, Stop: 61341, Start Num: 14

Candidate Starts for McMater\_98:

(1, 60727), (3, 60991), (10, 61054), (Start: 14 @61129 has 1 MA's), (19, 61246), (23, 61291), (27, 61327),

Gene: Pace1224\_67 Start: 44087, Stop: 44239, Start Num: 17

Candidate Starts for Pace1224\_67:

(6, 43913), (12, 43967), (17, 44087),

Gene: Richo\_98 Start: 61129, Stop: 61341, Start Num: 14

Candidate Starts for Richo\_98:

(1, 60727), (3, 60991), (10, 61054), (Start: 14 @61129 has 1 MA's), (19, 61246), (23, 61291), (27, 61327),

Gene: ShawBrad\_1 Start: 117, Stop: 371, Start Num: 13

Candidate Starts for ShawBrad\_1:

(4, 9), (5, 15), (7, 27), (8, 39), (13, 117), (Start: 14 @141 has 1 MA's), (15, 144), (18, 234), (20, 264), (21, 282), (22, 318), (26, 351),

Gene: Torres\_79 Start: 58763, Stop: 58993, Start Num: 14

Candidate Starts for Torres\_79:

(2, 58556), (11, 58688), (Start: 14 @58763 has 1 MA's), (16, 58808), (24, 58952), (25, 58958), (26, 58967),

Gene: Unicorn\_102 Start: 60924, Stop: 61157, Start Num: 14

Candidate Starts for Unicorn\_102:

(9, 60849), (Start: 14 @60924 has 1 MA's), (26, 61131),