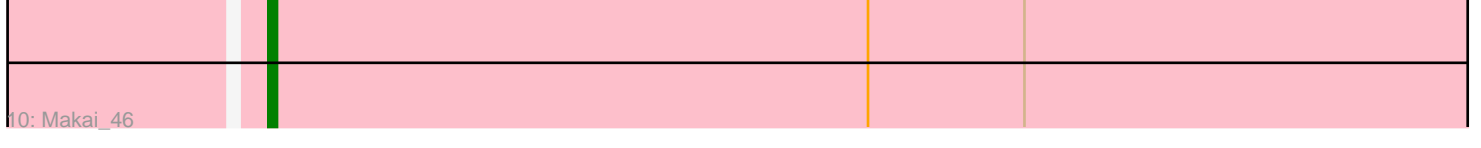
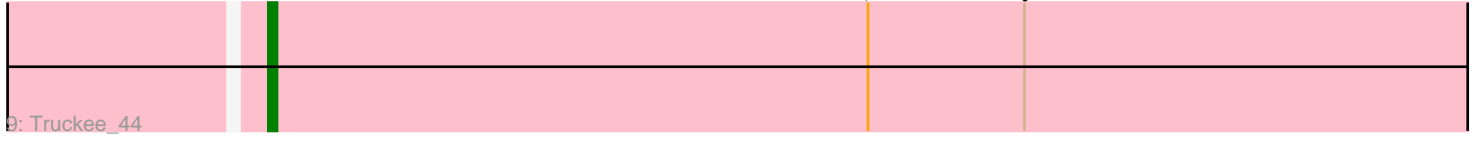
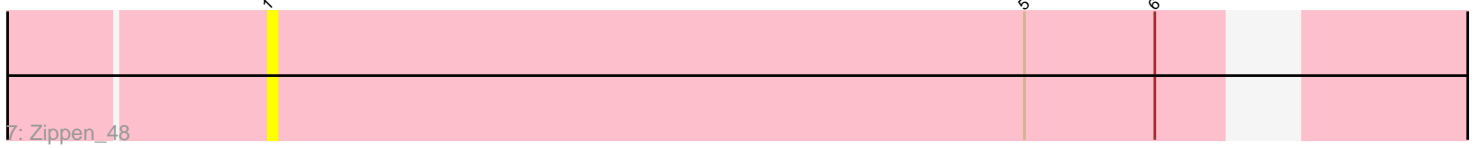
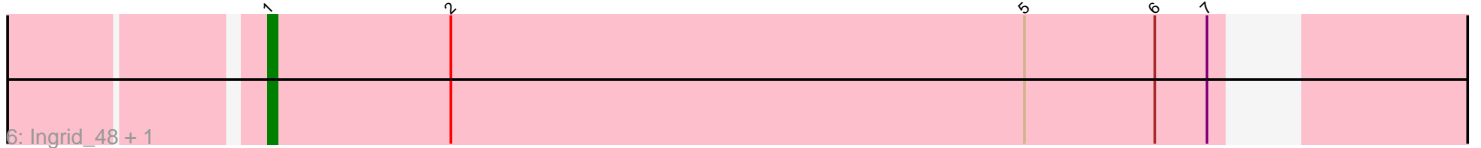
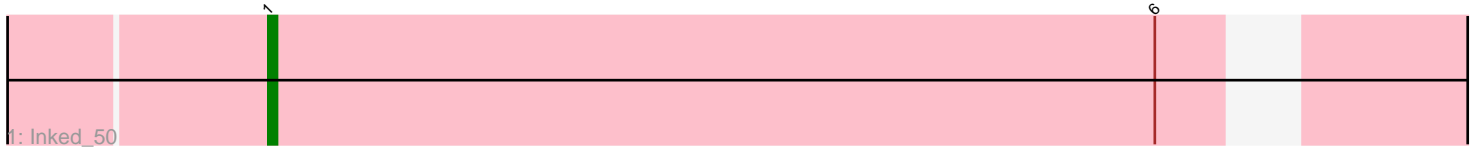


Pham 224990



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 224990 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224990 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Inked\_50
- Track 2 : Giantsbane\_48
- Track 3 : Tokki\_51
- Track 4 : Chlochlo\_46, Bouchard\_47, Shepard\_50
- Track 5 : Phaby\_49, LilHuddy\_48
- Track 6 : Ingrid\_48, Loretta\_48
- Track 7 : Zippen\_48
- Track 8 : Caterpillar\_43, MediumFry\_44
- Track 9 : Truckee\_44
- Track 10 : Makai\_46

### ***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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bouchard\_47, Caterpillar\_43, Chlochlo\_46, Giantsbane\_48, Ingrid\_48, Inked\_50, LilHuddy\_48, Loretta\_48, Makai\_46, MediumFry\_44, Phaby\_49, Shepard\_50, Tokki\_51, Truckee\_44, Zippen\_48,

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

- 

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

- 

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

Start 1:

- Found in 15 of 15 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bouchard\_47 (AU2), Caterpillar\_43 (AU4), Chlochlo\_46 (AU2), Giantsbane\_48 (AU2), Ingrid\_48 (AU3), Inked\_50 (AU), LilHuddy\_48 (AU2), Loretta\_48 (AU3), Makai\_46 (AU5), MediumFry\_44 (AU4), Phaby\_49 (AU2), Shepard\_50 (AU2), Tokki\_51 (AU2), Truckee\_44 (AU5), Zippen\_48 (AU3),

### **Summary by clusters:**

There are 5 clusters represented in this pham: AU5, AU3, AU2, AU, AU4,

Info for manual annotations of cluster AU:

- Start number 1 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU2:

- Start number 1 was manually annotated 5 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 1 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 1 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 1 was manually annotated 2 times for cluster AU5.

### **Gene Information:**

Gene: Bouchard\_47 Start: 34638, Stop: 34778, Start Num: 1

Candidate Starts for Bouchard\_47:

(Start: 1 @34638 has 12 MA's),

Gene: Caterpillar\_43 Start: 33489, Stop: 33626, Start Num: 1

Candidate Starts for Caterpillar\_43:

(Start: 1 @33489 has 12 MA's), (4, 33558),

Gene: Chlochlo\_46 Start: 34382, Stop: 34522, Start Num: 1

Candidate Starts for Chlochlo\_46:

(Start: 1 @34382 has 12 MA's),

Gene: Giantsbane\_48 Start: 33565, Stop: 33705, Start Num: 1

Candidate Starts for Giantsbane\_48:

(Start: 1 @33565 has 12 MA's),

Gene: Ingrid\_48 Start: 34313, Stop: 34441, Start Num: 1

Candidate Starts for Ingrid\_48:

(Start: 1 @34313 has 12 MA's), (2, 34334), (5, 34400), (6, 34415), (7, 34421),

Gene: Inked\_50 Start: 35444, Stop: 35572, Start Num: 1

Candidate Starts for Inked\_50:

(Start: 1 @35444 has 12 MA's), (6, 35546),

Gene: LilHuddy\_48 Start: 34521, Stop: 34658, Start Num: 1  
Candidate Starts for LilHuddy\_48:  
(Start: 1 @34521 has 12 MA's), (5, 34608),

Gene: Loretta\_48 Start: 34313, Stop: 34441, Start Num: 1  
Candidate Starts for Loretta\_48:  
(Start: 1 @34313 has 12 MA's), (2, 34334), (5, 34400), (6, 34415), (7, 34421),

Gene: Makai\_46 Start: 34498, Stop: 34635, Start Num: 1  
Candidate Starts for Makai\_46:  
(Start: 1 @34498 has 12 MA's), (4, 34567), (5, 34585),

Gene: MediumFry\_44 Start: 33794, Stop: 33931, Start Num: 1  
Candidate Starts for MediumFry\_44:  
(Start: 1 @33794 has 12 MA's), (4, 33863),

Gene: Phaby\_49 Start: 35065, Stop: 35202, Start Num: 1  
Candidate Starts for Phaby\_49:  
(Start: 1 @35065 has 12 MA's), (5, 35152),

Gene: Shepard\_50 Start: 34596, Stop: 34736, Start Num: 1  
Candidate Starts for Shepard\_50:  
(Start: 1 @34596 has 12 MA's),

Gene: Tokki\_51 Start: 34693, Stop: 34830, Start Num: 1  
Candidate Starts for Tokki\_51:  
(Start: 1 @34693 has 12 MA's), (3, 34717), (5, 34780), (6, 34795),

Gene: Truckee\_44 Start: 34288, Stop: 34425, Start Num: 1  
Candidate Starts for Truckee\_44:  
(Start: 1 @34288 has 12 MA's), (4, 34357), (5, 34375),

Gene: Zippen\_48 Start: 35143, Stop: 35271, Start Num: 1  
Candidate Starts for Zippen\_48:  
(Start: 1 @35143 has 12 MA's), (5, 35230), (6, 35245),