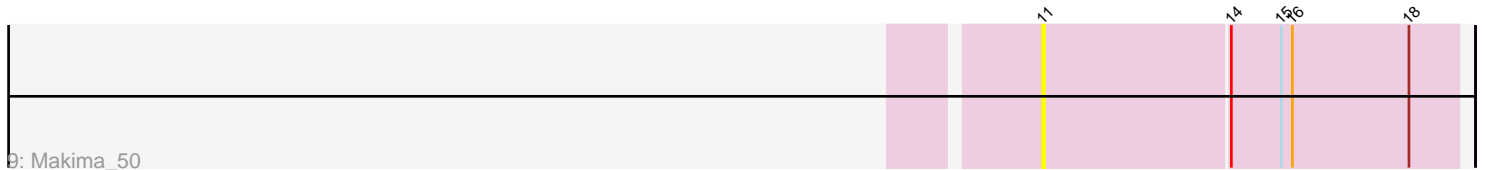
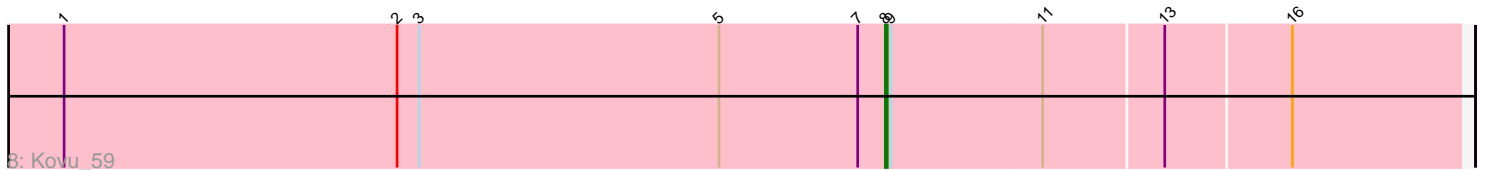
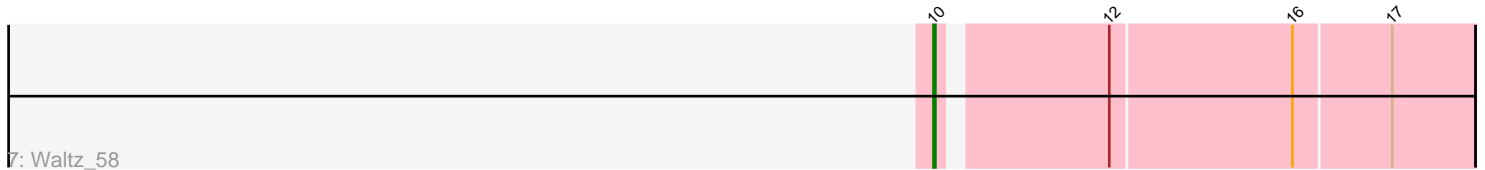
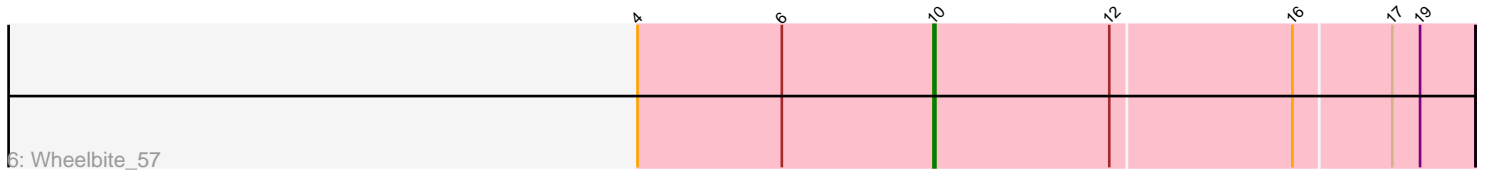
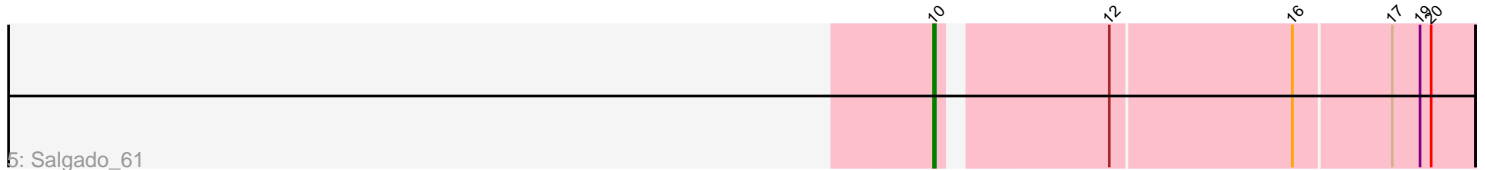
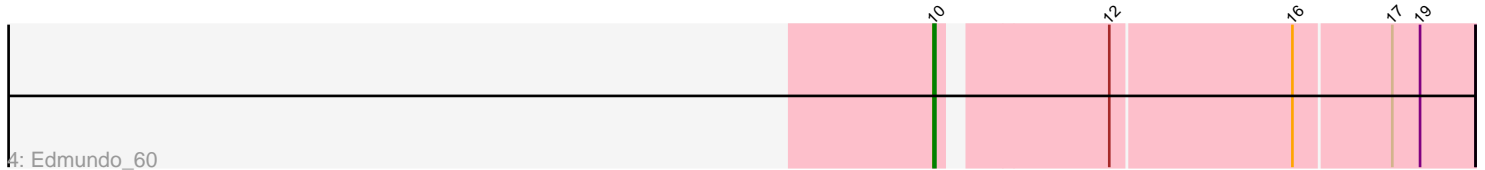
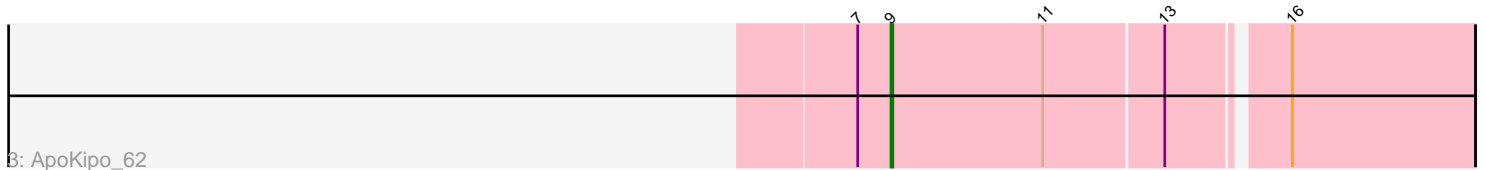


Pham 297201



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 297201 Report

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

Pham number 297201 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shrooms\_59
- Track 2 : Laroye\_61, LiSara\_58
- Track 3 : ApoKipo\_62
- Track 4 : Edmundo\_60
- Track 5 : Salgado\_61
- Track 6 : Wheelbite\_57
- Track 7 : Waltz\_58
- Track 8 : Kovu\_59
- Track 9 : Makima\_50

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Edmundo\_60, Laroye\_61, LiSara\_58, Salgado\_61, Shrooms\_59, Waltz\_58, Wheelbite\_57,

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

- 

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

- ApoKipo\_62, Kovu\_59, Makima\_50,

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

Start 8:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kovu\_59 (AL),

Start 9:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: ApoKipo\_62 (AL),

Start 10:

- Found in 7 of 10 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Edmundo\_60 (AL), Laroye\_61 (AL), LiSara\_58 (AL), Salgado\_61 (AL), Shrooms\_59 (AL), Waltz\_58 (AL), Wheelbite\_57 (AL),

Start 11:

- Found in 3 of 10 ( 30.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Makima\_50 (FR),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FR, AL,

Info for manual annotations of cluster AL:

- Start number 8 was manually annotated 1 time for cluster AL.
- Start number 9 was manually annotated 1 time for cluster AL.
- Start number 10 was manually annotated 7 times for cluster AL.

### **Gene Information:**

Gene: ApoKipo\_62 Start: 33549, Stop: 33848, Start Num: 9

Candidate Starts for ApoKipo\_62:

(7, 33531), (Start: 9 @33549 has 1 MA's), (11, 33630), (13, 33693), (16, 33750),

Gene: Edmundo\_60 Start: 34342, Stop: 34614, Start Num: 10

Candidate Starts for Edmundo\_60:

(Start: 10 @34342 has 7 MA's), (12, 34423), (16, 34519), (17, 34570), (19, 34585),

Gene: Kovu\_59 Start: 33848, Stop: 34150, Start Num: 8

Candidate Starts for Kovu\_59:

(1, 33404), (2, 33584), (3, 33596), (5, 33758), (7, 33833), (Start: 8 @33848 has 1 MA's), (Start: 9 @33851 has 1 MA's), (11, 33932), (13, 33995), (16, 34061),

Gene: Laroye\_61 Start: 33745, Stop: 34017, Start Num: 10

Candidate Starts for Laroye\_61:

(Start: 10 @33745 has 7 MA's), (16, 33922), (17, 33973), (19, 33988), (20, 33994),

Gene: LiSara\_58 Start: 33907, Stop: 34179, Start Num: 10

Candidate Starts for LiSara\_58:

(Start: 10 @33907 has 7 MA's), (16, 34084), (17, 34135), (19, 34150), (20, 34156),

Gene: Makima\_50 Start: 33097, Stop: 32876, Start Num: 11  
Candidate Starts for Makima\_50:  
(11, 33097), (14, 32998), (15, 32971), (16, 32965), (18, 32902),

Gene: Salgado\_61 Start: 33561, Stop: 33833, Start Num: 10  
Candidate Starts for Salgado\_61:  
(Start: 10 @33561 has 7 MA's), (12, 33642), (16, 33738), (17, 33789), (19, 33804), (20, 33810),

Gene: Shrooms\_59 Start: 31690, Stop: 31962, Start Num: 10  
Candidate Starts for Shrooms\_59:  
(Start: 10 @31690 has 7 MA's), (12, 31771), (16, 31867), (17, 31918), (19, 31933),

Gene: Waltz\_58 Start: 31979, Stop: 32251, Start Num: 10  
Candidate Starts for Waltz\_58:  
(Start: 10 @31979 has 7 MA's), (12, 32060), (16, 32156), (17, 32207),

Gene: Wheelbite\_57 Start: 33697, Stop: 33981, Start Num: 10  
Candidate Starts for Wheelbite\_57:  
(4, 33538), (6, 33616), (Start: 10 @33697 has 7 MA's), (12, 33790), (16, 33886), (17, 33937), (19, 33952),