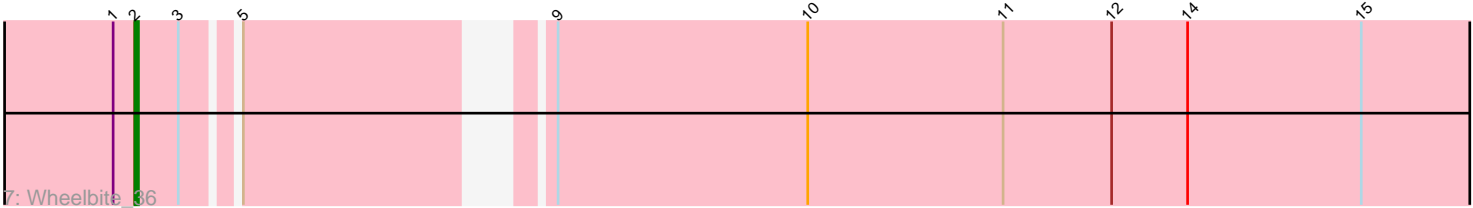
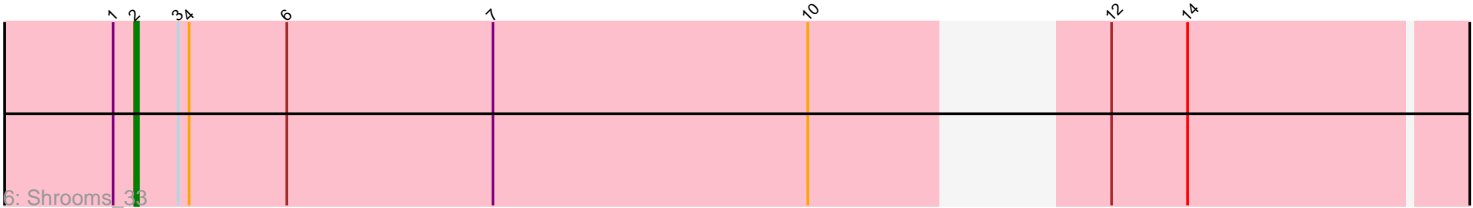
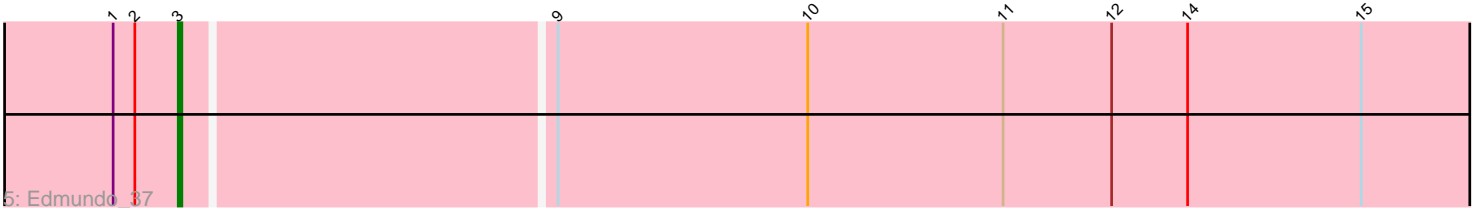
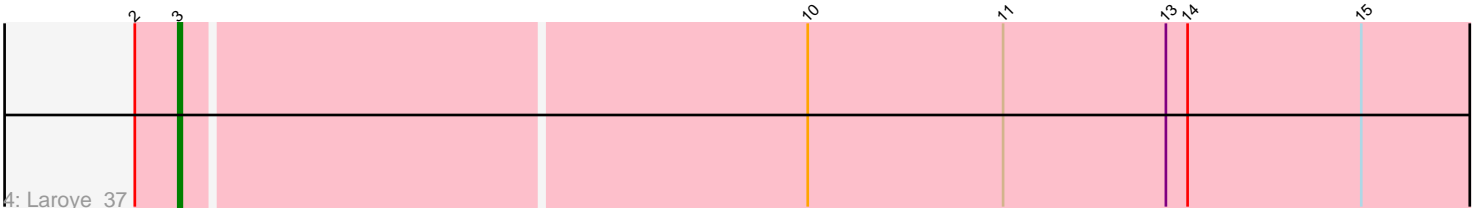
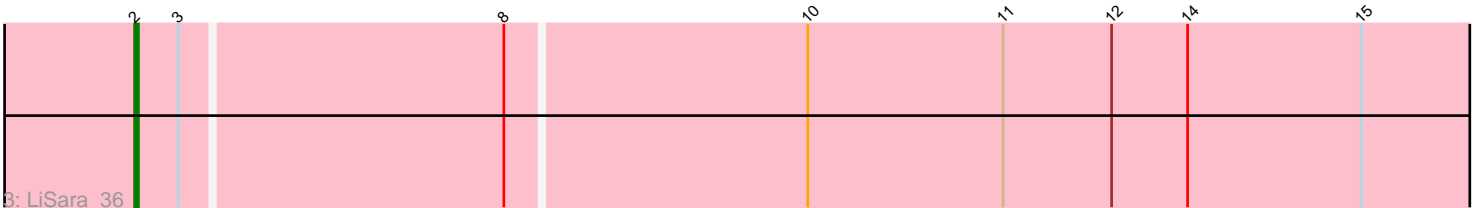
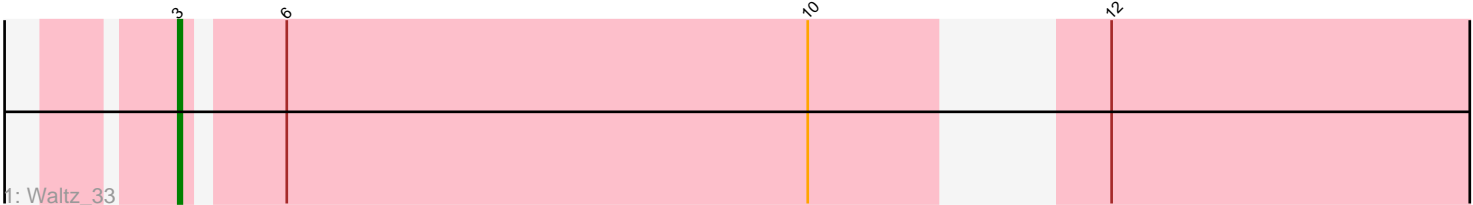


Pham 6708



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 6708 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6708 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Waltz\_33
- Track 2 : Salgado\_37
- Track 3 : LiSara\_36
- Track 4 : Laroye\_37
- Track 5 : Edmundo\_37
- Track 6 : Shrooms\_33
- Track 7 : Wheelbite\_36

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Edmundo\_37, Laroye\_37, Salgado\_37, Waltz\_33,

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

- LiSara\_36, Shrooms\_33, Wheelbite\_36,

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

- 

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

Start 2:

- Found in 6 of 7 ( 85.7% ) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LiSara\_36 (AL), Shrooms\_33 (AL), Wheelbite\_36 (AL),

Start 3:

- Found in 7 of 7 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 7

- Called 57.1% of time when present
- Phage (with cluster) where this start called: Edmundo\_37 (AL), Laroye\_37 (AL), Salgado\_37 (AL), Waltz\_33 (AL),

### **Summary by clusters:**

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:

- Start number 2 was manually annotated 3 times for cluster AL.
- Start number 3 was manually annotated 4 times for cluster AL.

### **Gene Information:**

Gene: Edmundo\_37 Start: 25325, Stop: 25678, Start Num: 3

Candidate Starts for Edmundo\_37:

(1, 25307), (Start: 2 @25313 has 3 MA's), (Start: 3 @25325 has 4 MA's), (9, 25424), (10, 25493), (11, 25547), (12, 25577), (14, 25598), (15, 25646),

Gene: Laroye\_37 Start: 25050, Stop: 25403, Start Num: 3

Candidate Starts for Laroye\_37:

(Start: 2 @25038 has 3 MA's), (Start: 3 @25050 has 4 MA's), (10, 25218), (11, 25272), (13, 25317), (14, 25323), (15, 25371),

Gene: LiSara\_36 Start: 24981, Stop: 25346, Start Num: 2

Candidate Starts for LiSara\_36:

(Start: 2 @24981 has 3 MA's), (Start: 3 @24993 has 4 MA's), (8, 25080), (10, 25161), (11, 25215), (12, 25245), (14, 25266), (15, 25314),

Gene: Salgado\_37 Start: 25001, Stop: 25336, Start Num: 3

Candidate Starts for Salgado\_37:

(Start: 2 @24989 has 3 MA's), (Start: 3 @25001 has 4 MA's), (5, 25013), (9, 25082), (11, 25205), (12, 25235), (13, 25250), (14, 25256), (15, 25304),

Gene: Shrooms\_33 Start: 22385, Stop: 22717, Start Num: 2

Candidate Starts for Shrooms\_33:

(1, 22379), (Start: 2 @22385 has 3 MA's), (Start: 3 @22397 has 4 MA's), (4, 22400), (6, 22427), (7, 22484), (10, 22571), (12, 22622), (14, 22643),

Gene: Waltz\_33 Start: 22492, Stop: 22848, Start Num: 3

Candidate Starts for Waltz\_33:

(Start: 3 @22492 has 4 MA's), (6, 22516), (10, 22660), (12, 22711),

Gene: Wheelbite\_36 Start: 25165, Stop: 25512, Start Num: 2

Candidate Starts for Wheelbite\_36:

(1, 25159), (Start: 2 @25165 has 3 MA's), (Start: 3 @25177 has 4 MA's), (5, 25189), (9, 25258), (10, 25327), (11, 25381), (12, 25411), (14, 25432), (15, 25480),