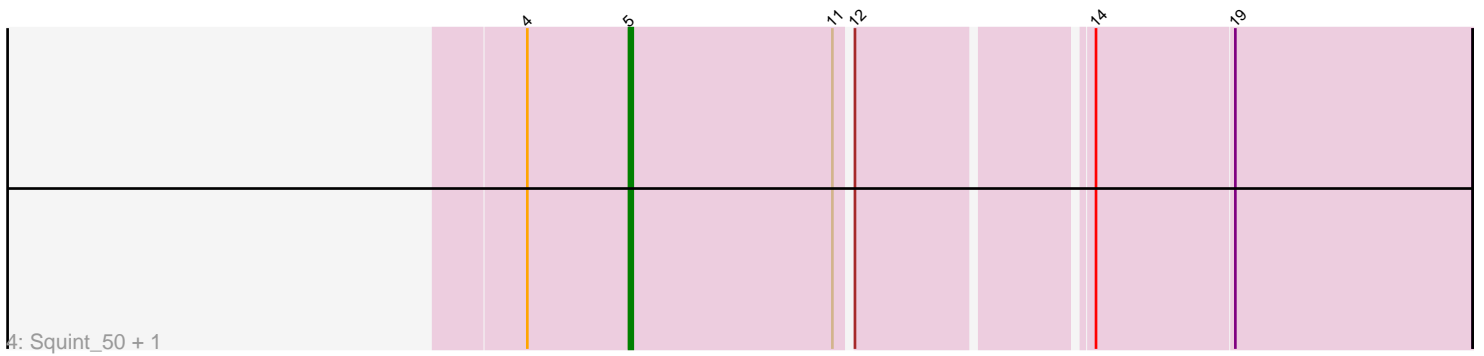
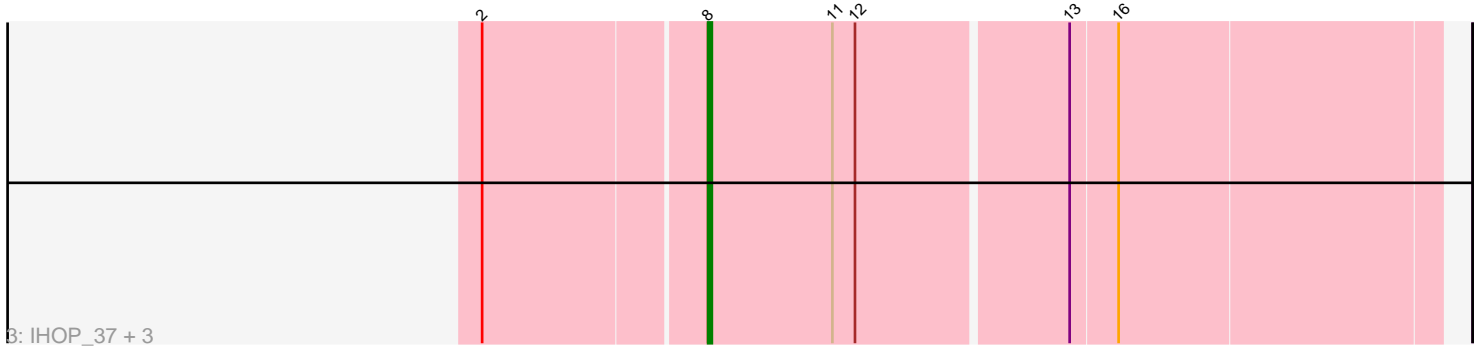
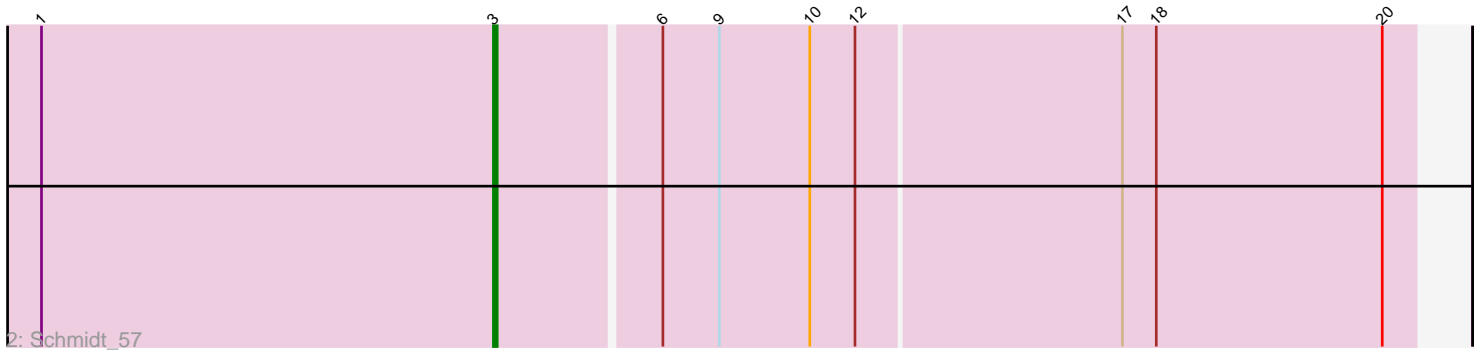
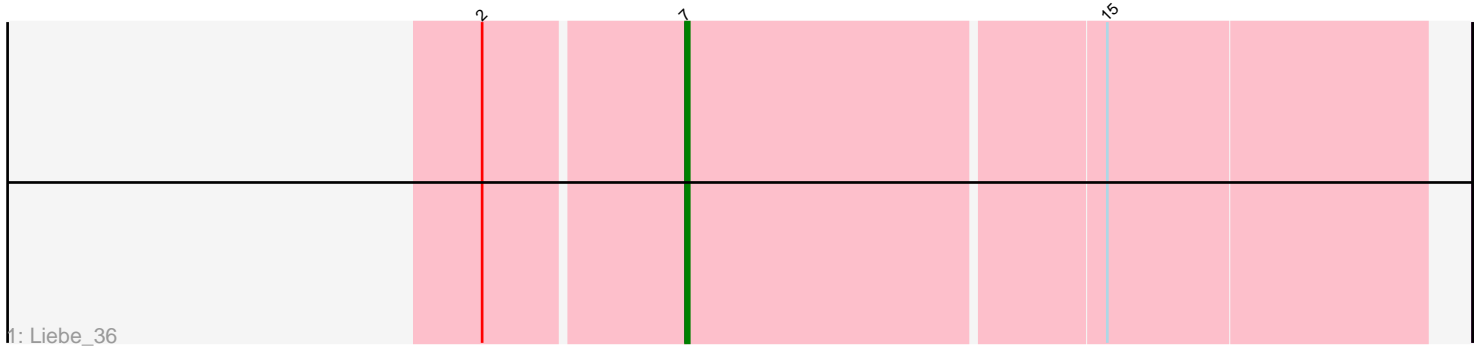


Pham 197102



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 197102 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197102 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Liebe\_36
- Track 2 : Schmidt\_57
- Track 3 : IHOP\_37, FairyPath\_37, ShereKhan\_39, Phaja\_37
- Track 4 : Squint\_50, Gonephishing\_53

### ***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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FairyPath\_37, IHOP\_37, Phaja\_37, ShereKhan\_39,

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

- 

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

- Gonephishing\_53, Liebe\_36, Schmidt\_57, Squint\_50,

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

Start 3:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Schmidt\_57 (CU4),

Start 5:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gonephishing\_53 (J), Squint\_50 (J),

Start 7:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Liebe\_36 (AZ2),

Start 8:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FairyPath\_37 (E), IHOP\_37 (E), Phaja\_37 (E), ShereKhan\_39 (E),

### **Summary by clusters:**

There are 4 clusters represented in this pham: J, CU4, E, AZ2,

Info for manual annotations of cluster AZ2:

- Start number 7 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster CU4:

- Start number 3 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster E:

- Start number 8 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster J:

- Start number 5 was manually annotated 1 time for cluster J.

### **Gene Information:**

Gene: FairyPath\_37 Start: 33387, Stop: 33575, Start Num: 8

Candidate Starts for FairyPath\_37:

(2, 33330), (Start: 8 @33387 has 3 MA's), (11, 33420), (12, 33426), (13, 33480), (16, 33492),

Gene: Gonephishing\_53 Start: 42117, Stop: 42329, Start Num: 5

Candidate Starts for Gonephishing\_53:

(4, 42090), (Start: 5 @42117 has 1 MA's), (11, 42171), (12, 42174), (14, 42231), (19, 42267),

Gene: IHOP\_37 Start: 33369, Stop: 33557, Start Num: 8

Candidate Starts for IHOP\_37:

(2, 33312), (Start: 8 @33369 has 3 MA's), (11, 33402), (12, 33408), (13, 33462), (16, 33474),

Gene: Liebe\_36 Start: 26803, Stop: 26994, Start Num: 7

Candidate Starts for Liebe\_36:

(2, 26752), (Start: 7 @26803 has 1 MA's), (15, 26911),

Gene: Phaja\_37 Start: 33368, Stop: 33556, Start Num: 8

Candidate Starts for Phaja\_37:

(2, 33311), (Start: 8 @33368 has 3 MA's), (11, 33401), (12, 33407), (13, 33461), (16, 33473),

Gene: Schmidt\_57 Start: 36601, Stop: 36840, Start Num: 3

Candidate Starts for Schmidt\_57:

(1, 36481), (Start: 3 @36601 has 1 MA's), (6, 36643), (9, 36658), (10, 36682), (12, 36694), (17, 36763), (18, 36772), (20, 36832),

Gene: ShereKhan\_39 Start: 34175, Stop: 34363, Start Num: 8

Candidate Starts for ShereKhan\_39:

(2, 34118), (Start: 8 @34175 has 3 MA's), (11, 34208), (12, 34214), (13, 34268), (16, 34280),

Gene: Squint\_50 Start: 40769, Stop: 40981, Start Num: 5

Candidate Starts for Squint\_50:

(4, 40742), (Start: 5 @40769 has 1 MA's), (11, 40823), (12, 40826), (14, 40883), (19, 40919),