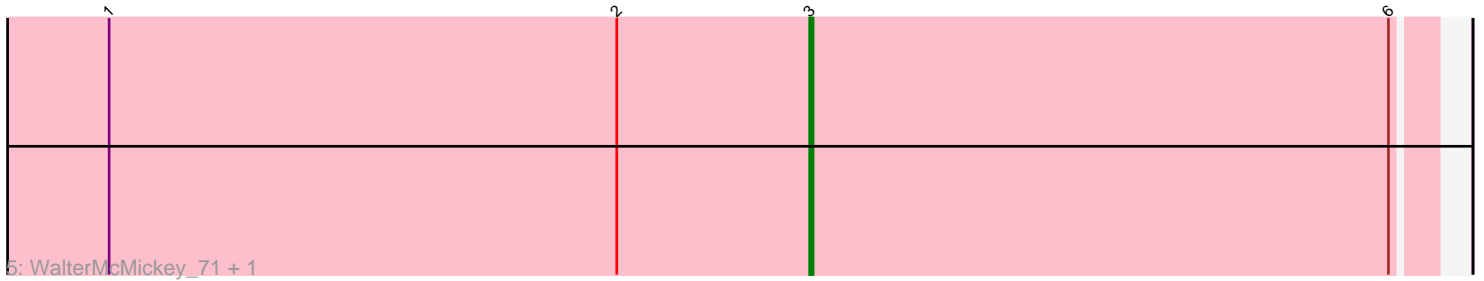
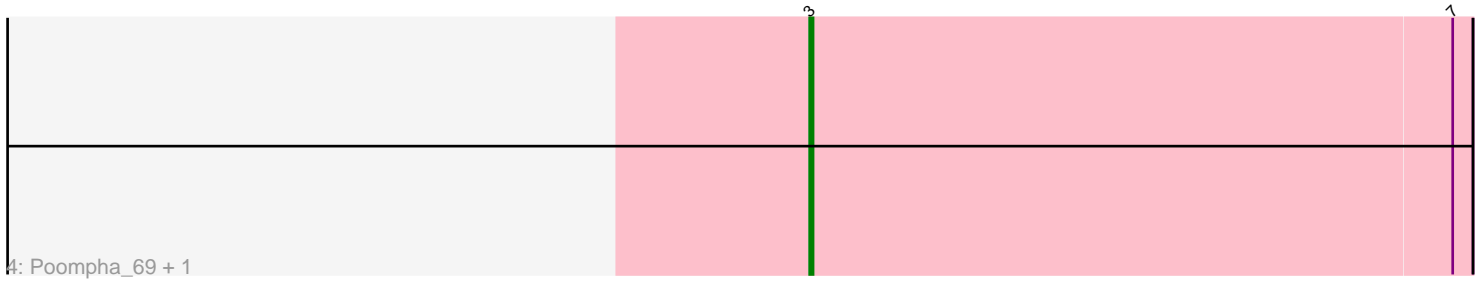
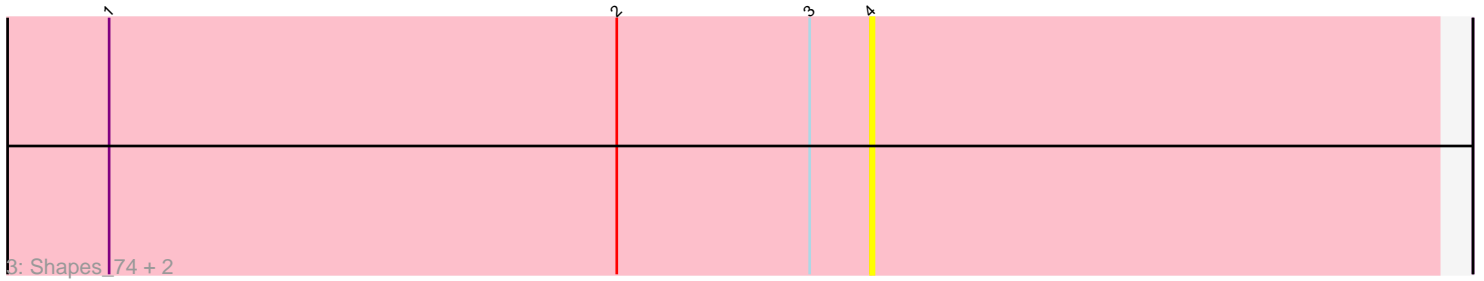
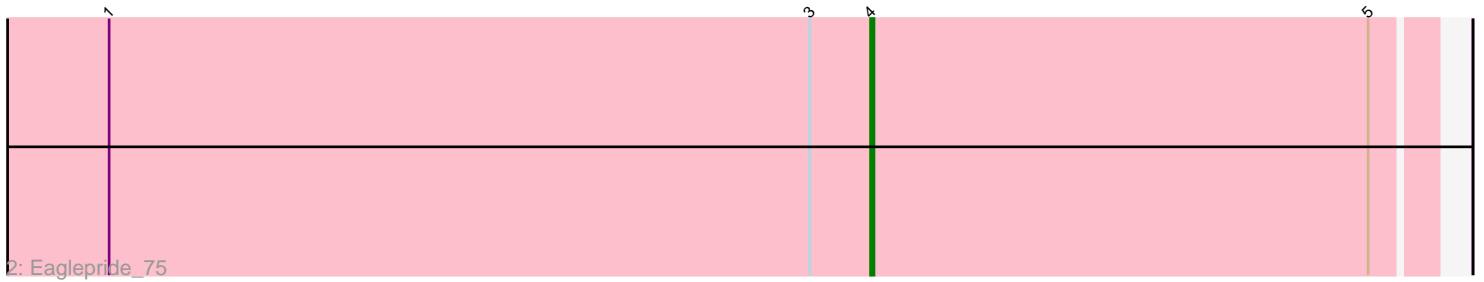
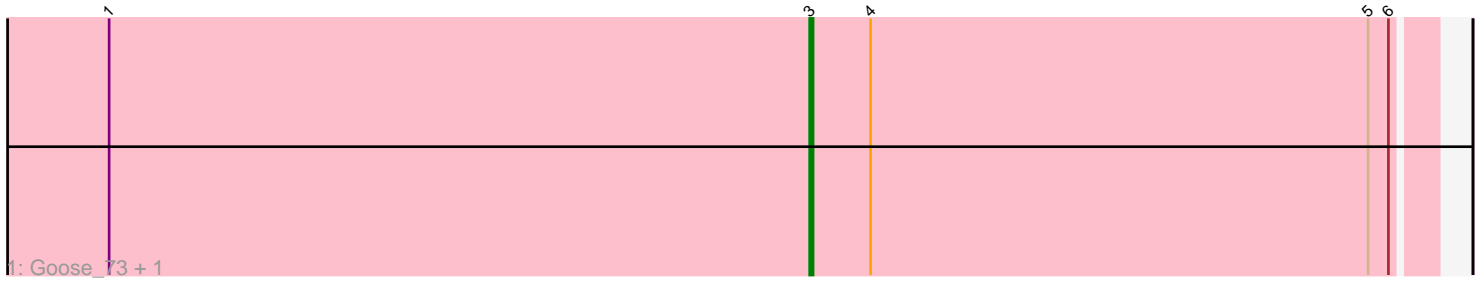


Pham 299050



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 299050 Report

This analysis was run 06/08/26 on database version 649.

Pham number 299050 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Goose\_73, OKCentral2016\_71
- Track 2 : Eaglepride\_75
- Track 3 : Shapes\_74, DustyMartin\_74, Rowdy\_74
- Track 4 : Poompha\_69, Severus\_70
- Track 5 : WalterMcMickey\_71, Twister\_72

### ***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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Goose\_73, OKCentral2016\_71, Poompha\_69, Severus\_70, Twister\_72, WalterMcMickey\_71,

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

- DustyMartin\_74, Eaglepride\_75, Rowdy\_74, Shapes\_74,

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

- 

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

Start 3:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Goose\_73 (A10), OKCentral2016\_71 (A10), Poompha\_69 (A10), Severus\_70 (A10), Twister\_72 (A10), WalterMcMickey\_71 (A10),

Start 4:

- Found in 6 of 10 ( 60.0% ) of genes in pham
- Manual Annotations of this start: 1 of 7

- Called 66.7% of time when present
- Phage (with cluster) where this start called: DustyMartin\_74 (A10), Eaglepride\_75 (A10), Rowdy\_74 (A10), Shapes\_74 (A10),

### **Summary by clusters:**

There is one cluster represented in this pham: A10

Info for manual annotations of cluster A10:

- Start number 3 was manually annotated 6 times for cluster A10.
- Start number 4 was manually annotated 1 time for cluster A10.

### **Gene Information:**

Gene: DustyMartin\_74 Start: 44774, Stop: 44607, Start Num: 4

Candidate Starts for DustyMartin\_74:

(1, 44999), (2, 44849), (Start: 3 @44792 has 6 MA's), (Start: 4 @44774 has 1 MA's),

Gene: Eaglepride\_75 Start: 44715, Stop: 44551, Start Num: 4

Candidate Starts for Eaglepride\_75:

(1, 44940), (Start: 3 @44733 has 6 MA's), (Start: 4 @44715 has 1 MA's), (5, 44568),

Gene: Goose\_73 Start: 44452, Stop: 44270, Start Num: 3

Candidate Starts for Goose\_73:

(1, 44659), (Start: 3 @44452 has 6 MA's), (Start: 4 @44434 has 1 MA's), (5, 44287), (6, 44281),

Gene: OKCentral2016\_71 Start: 43879, Stop: 43697, Start Num: 3

Candidate Starts for OKCentral2016\_71:

(1, 44086), (Start: 3 @43879 has 6 MA's), (Start: 4 @43861 has 1 MA's), (5, 43714), (6, 43708),

Gene: Poompha\_69 Start: 43781, Stop: 43587, Start Num: 3

Candidate Starts for Poompha\_69:

(Start: 3 @43781 has 6 MA's), (7, 43592),

Gene: Rowdy\_74 Start: 44774, Stop: 44607, Start Num: 4

Candidate Starts for Rowdy\_74:

(1, 44999), (2, 44849), (Start: 3 @44792 has 6 MA's), (Start: 4 @44774 has 1 MA's),

Gene: Severus\_70 Start: 43781, Stop: 43587, Start Num: 3

Candidate Starts for Severus\_70:

(Start: 3 @43781 has 6 MA's), (7, 43592),

Gene: Shapes\_74 Start: 44774, Stop: 44607, Start Num: 4

Candidate Starts for Shapes\_74:

(1, 44999), (2, 44849), (Start: 3 @44792 has 6 MA's), (Start: 4 @44774 has 1 MA's),

Gene: Twister\_72 Start: 44636, Stop: 44454, Start Num: 3

Candidate Starts for Twister\_72:

(1, 44843), (2, 44693), (Start: 3 @44636 has 6 MA's), (6, 44465),

Gene: WalterMcMickey\_71 Start: 44636, Stop: 44454, Start Num: 3

Candidate Starts for WalterMcMickey\_71:

(1, 44843), (2, 44693), (Start: 3 @44636 has 6 MA's), (6, 44465),