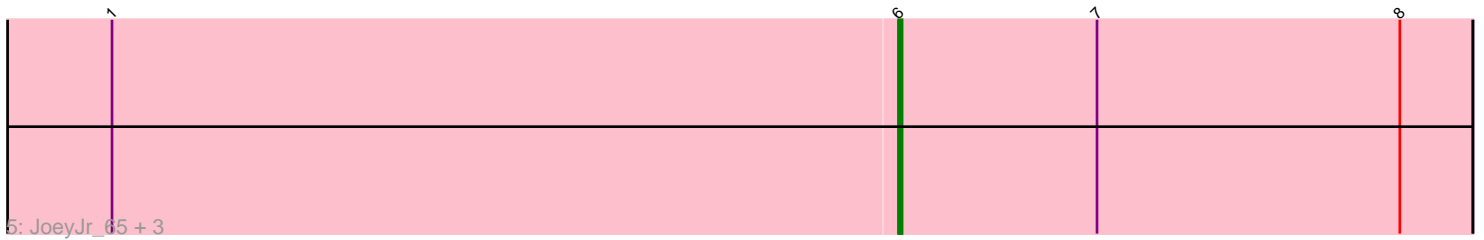
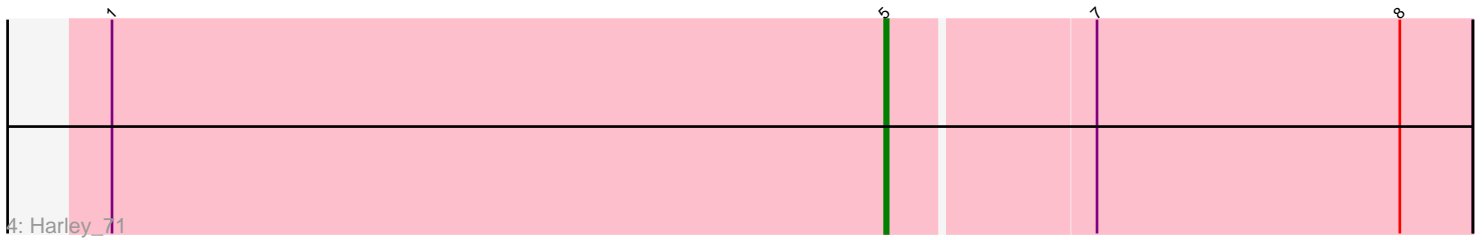
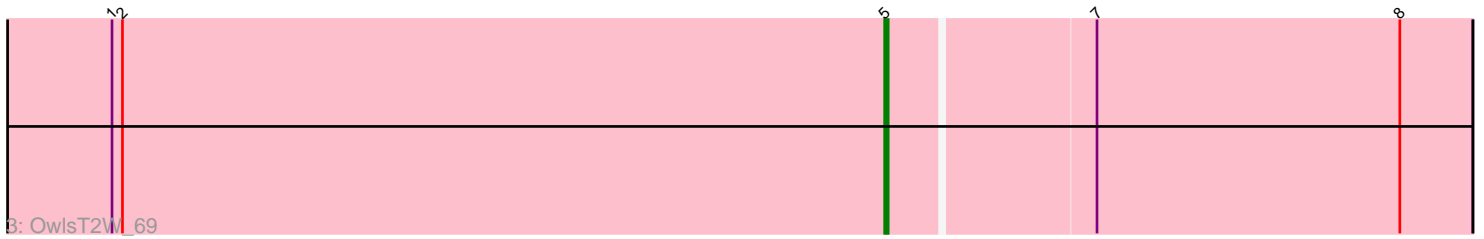
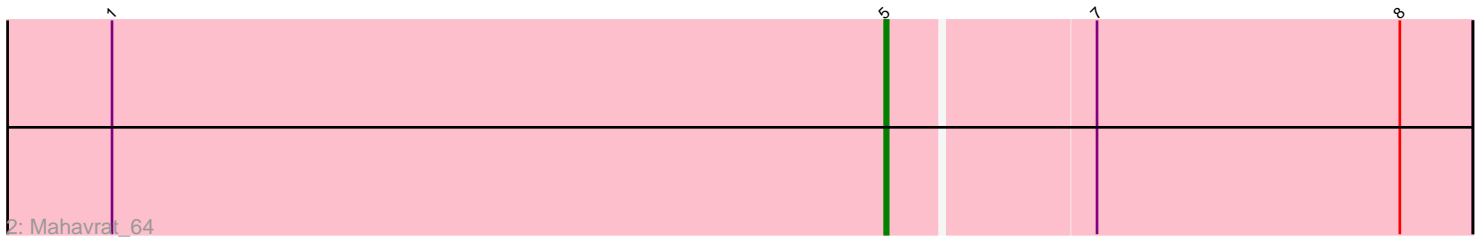
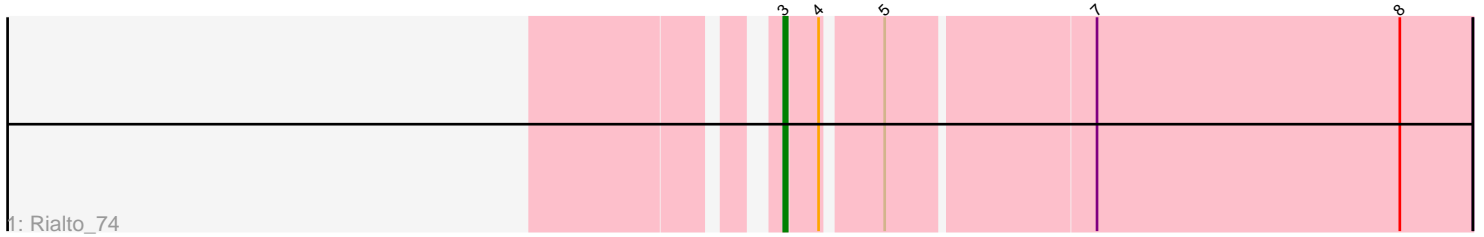


Pham 193110



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 193110 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193110 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rialto\_74
- Track 2 : Mahavrat\_64
- Track 3 : OwlsT2W\_69
- Track 4 : Harley\_71
- Track 5 : JoeyJr\_65, Daenerys\_64, PHappiness\_65, Spoonbill\_68
- Track 6 : Renaud18\_79

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Daenerys\_64, JoeyJr\_65, PHappiness\_65, Renaud18\_79, Spoonbill\_68,

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

- 

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

- Harley\_71, Mahavrat\_64, OwlsT2W\_69, Rialto\_74,

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

Start 3:

- Found in 1 of 9 ( 11.1% ) 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: Rialto\_74 (F1),

Start 5:

- Found in 4 of 9 ( 44.4% ) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Harley\_71 (F1), Mahavrat\_64 (F1), OwlsT2W\_69 (F1),

Start 6:

- Found in 5 of 9 ( 55.6% ) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Daenerys\_64 (F1), JoeyJr\_65 (F1), PHappiness\_65 (F1), Renaud18\_79 (F4), Spoonbill\_68 (F1),

### **Summary by clusters:**

There are 2 clusters represented in this pham: F1, F4,

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 1 time for cluster F1.
- Start number 5 was manually annotated 3 times for cluster F1.
- Start number 6 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F4:

- Start number 6 was manually annotated 1 time for cluster F4.

### **Gene Information:**

Gene: Daenerys\_64 Start: 43646, Stop: 43810, Start Num: 6

Candidate Starts for Daenerys\_64:

(1, 43421), (Start: 6 @43646 has 5 MA's), (7, 43703), (8, 43790),

Gene: Harley\_71 Start: 45252, Stop: 45416, Start Num: 5

Candidate Starts for Harley\_71:

(1, 45030), (Start: 5 @45252 has 3 MA's), (7, 45309), (8, 45396),

Gene: JoeyJr\_65 Start: 43814, Stop: 43978, Start Num: 6

Candidate Starts for JoeyJr\_65:

(1, 43589), (Start: 6 @43814 has 5 MA's), (7, 43871), (8, 43958),

Gene: Mahavrat\_64 Start: 43075, Stop: 43239, Start Num: 5

Candidate Starts for Mahavrat\_64:

(1, 42853), (Start: 5 @43075 has 3 MA's), (7, 43132), (8, 43219),

Gene: OwlsT2W\_69 Start: 44736, Stop: 44900, Start Num: 5

Candidate Starts for OwlsT2W\_69:

(1, 44514), (2, 44517), (Start: 5 @44736 has 3 MA's), (7, 44793), (8, 44880),

Gene: PHappiness\_65 Start: 43590, Stop: 43754, Start Num: 6

Candidate Starts for PHappiness\_65:

(1, 43365), (Start: 6 @43590 has 5 MA's), (7, 43647), (8, 43734),

Gene: Renaud18\_79 Start: 46542, Stop: 46706, Start Num: 6

Candidate Starts for Renaud18\_79:

(1, 46317), (2, 46320), (Start: 6 @46542 has 5 MA's), (7, 46599), (8, 46686),

Gene: Rialto\_74 Start: 46079, Stop: 46267, Start Num: 3

Candidate Starts for Rialto\_74:

(Start: 3 @46079 has 1 MA's), (4, 46088), (Start: 5 @46103 has 3 MA's), (7, 46160), (8, 46247),

Gene: Spoonbill\_68 Start: 43661, Stop: 43825, Start Num: 6

Candidate Starts for Spoonbill\_68:

(1, 43436), (Start: 6 @43661 has 5 MA's), (7, 43718), (8, 43805),