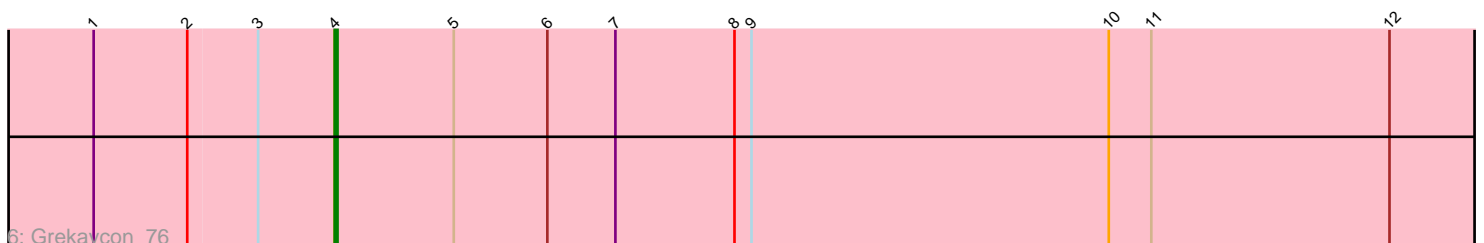
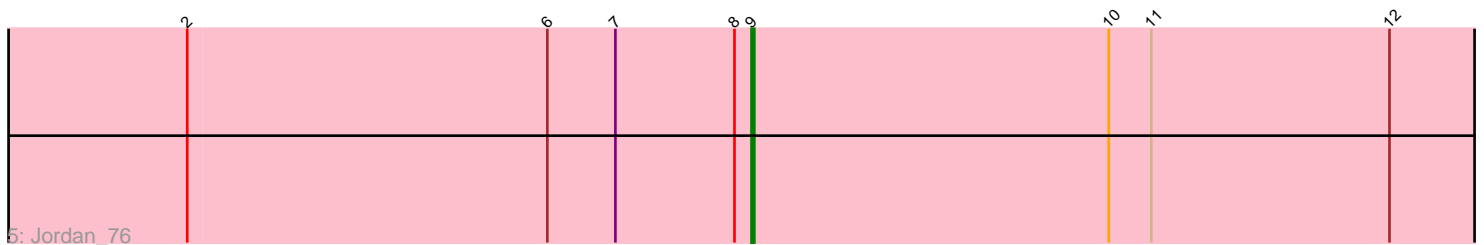
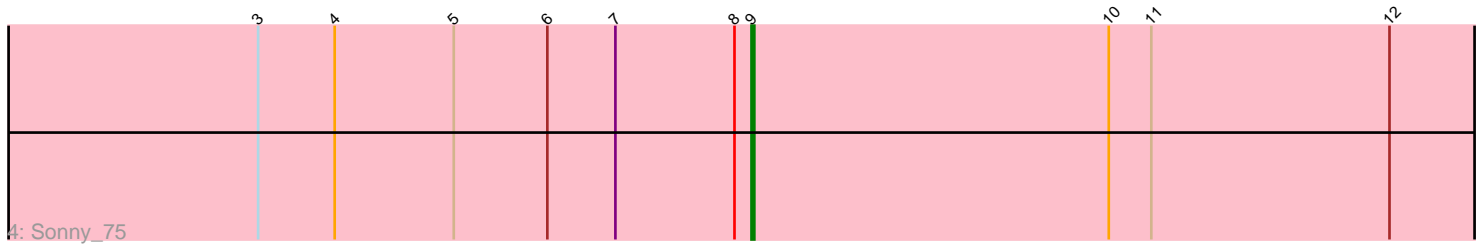
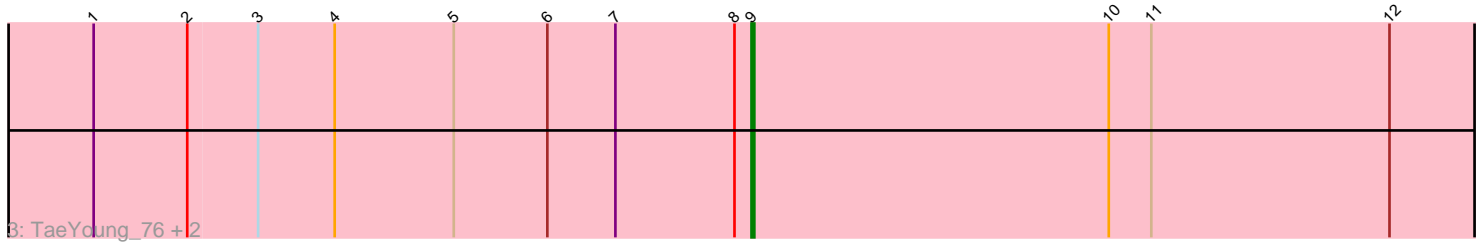
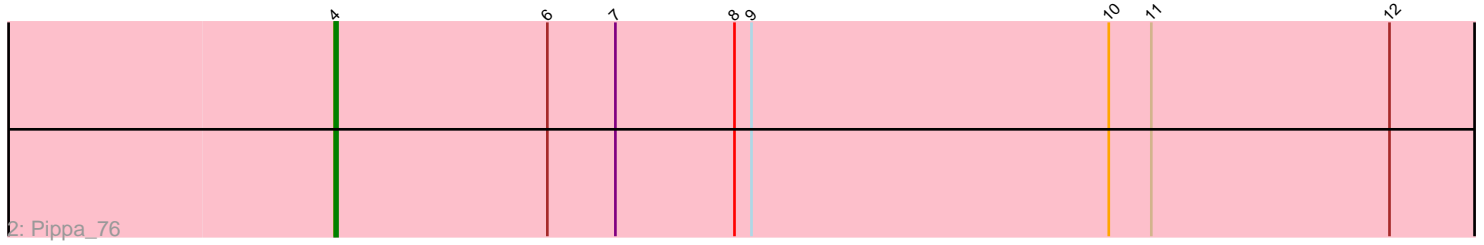
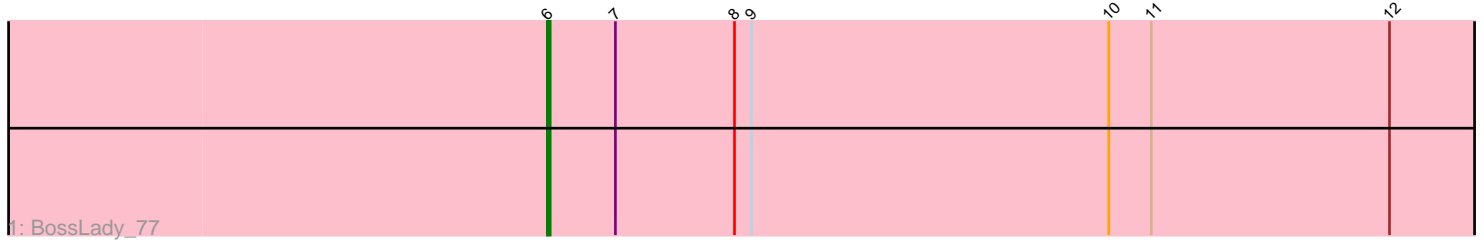


# Pham 106891



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 106891 Report

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

Pham number 106891 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BossLady\_77
- Track 2 : Pippa\_76
- Track 3 : TaeYoung\_76, Martha\_75, Shade\_75
- Track 4 : Sonny\_75
- Track 5 : Jordan\_76
- Track 6 : Grekaycon\_76

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Jordan\_76, Martha\_75, Shade\_75, Sonny\_75, TaeYoung\_76,

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

- BossLady\_77, Grekaycon\_76, Pippa\_76,

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

- 

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

Start 4:

- Found in 6 of 8 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Grekaycon\_76 (AO2), Pippa\_76 (AO2),

Start 6:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 12.5% of time when present
- Phage (with cluster) where this start called: BossLady\_77 (AO2),

Start 9:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Jordan\_76 (AO2), Martha\_75 (AO2), Shade\_75 (AO2), Sonny\_75 (AO2), TaeYoung\_76 (AO2),

### **Summary by clusters:**

There is one cluster represented in this pham: AO2

Info for manual annotations of cluster AO2:

- Start number 4 was manually annotated 2 times for cluster AO2.
- Start number 6 was manually annotated 1 time for cluster AO2.
- Start number 9 was manually annotated 5 times for cluster AO2.

### **Gene Information:**

Gene: BossLady\_77 Start: 49559, Stop: 49182, Start Num: 6

Candidate Starts for BossLady\_77:

(Start: 6 @49559 has 1 MA's), (7, 49535), (8, 49493), (Start: 9 @49487 has 5 MA's), (10, 49361), (11, 49346), (12, 49262),

Gene: Grekaycon\_76 Start: 49547, Stop: 49095, Start Num: 4

Candidate Starts for Grekaycon\_76:

(1, 49631), (2, 49598), (3, 49574), (Start: 4 @49547 has 2 MA's), (5, 49505), (Start: 6 @49472 has 1 MA's), (7, 49448), (8, 49406), (Start: 9 @49400 has 5 MA's), (10, 49274), (11, 49259), (12, 49175),

Gene: Jordan\_76 Start: 49541, Stop: 49236, Start Num: 9

Candidate Starts for Jordan\_76:

(2, 49739), (Start: 6 @49613 has 1 MA's), (7, 49589), (8, 49547), (Start: 9 @49541 has 5 MA's), (10, 49415), (11, 49400), (12, 49316),

Gene: Martha\_75 Start: 49336, Stop: 49031, Start Num: 9

Candidate Starts for Martha\_75:

(1, 49567), (2, 49534), (3, 49510), (Start: 4 @49483 has 2 MA's), (5, 49441), (Start: 6 @49408 has 1 MA's), (7, 49384), (8, 49342), (Start: 9 @49336 has 5 MA's), (10, 49210), (11, 49195), (12, 49111),

Gene: Pippa\_76 Start: 49538, Stop: 49086, Start Num: 4

Candidate Starts for Pippa\_76:

(Start: 4 @49538 has 2 MA's), (Start: 6 @49463 has 1 MA's), (7, 49439), (8, 49397), (Start: 9 @49391 has 5 MA's), (10, 49265), (11, 49250), (12, 49166),

Gene: Shade\_75 Start: 49147, Stop: 48842, Start Num: 9

Candidate Starts for Shade\_75:

(1, 49378), (2, 49345), (3, 49321), (Start: 4 @49294 has 2 MA's), (5, 49252), (Start: 6 @49219 has 1 MA's), (7, 49195), (8, 49153), (Start: 9 @49147 has 5 MA's), (10, 49021), (11, 49006), (12, 48922),

Gene: Sonny\_75 Start: 49102, Stop: 48797, Start Num: 9

Candidate Starts for Sonny\_75:

(3, 49276), (Start: 4 @49249 has 2 MA's), (5, 49207), (Start: 6 @49174 has 1 MA's), (7, 49150), (8, 49108), (Start: 9 @49102 has 5 MA's), (10, 48976), (11, 48961), (12, 48877),

Gene: TaeYoung\_76 Start: 49308, Stop: 49003, Start Num: 9

Candidate Starts for TaeYoung\_76:

(1, 49539), (2, 49506), (3, 49482), (Start: 4 @49455 has 2 MA's), (5, 49413), (Start: 6 @49380 has 1 MA's), (7, 49356), (8, 49314), (Start: 9 @49308 has 5 MA's), (10, 49182), (11, 49167), (12, 49083),