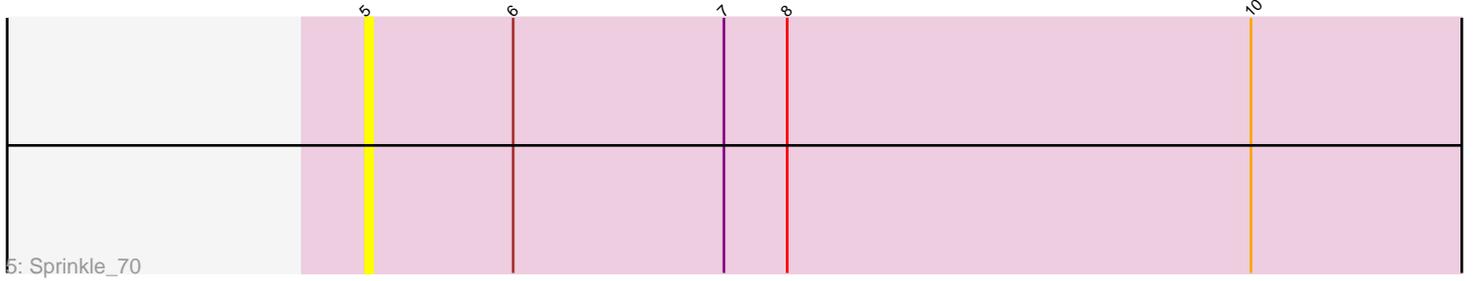
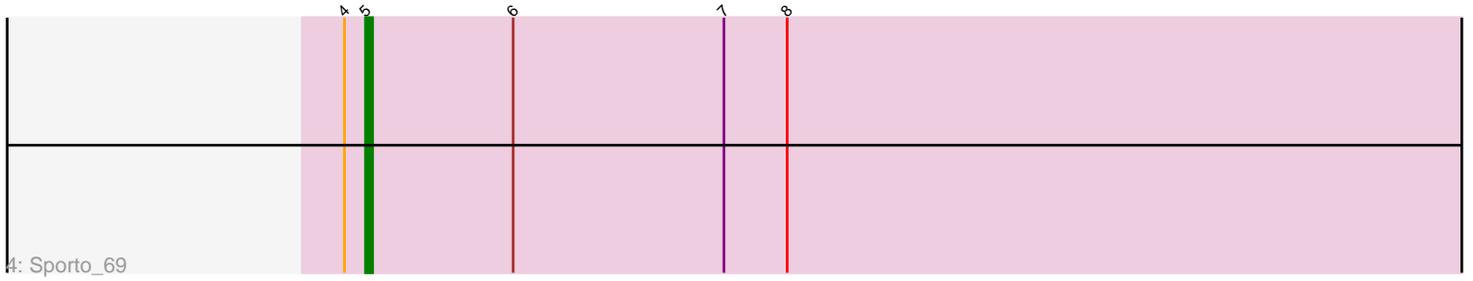
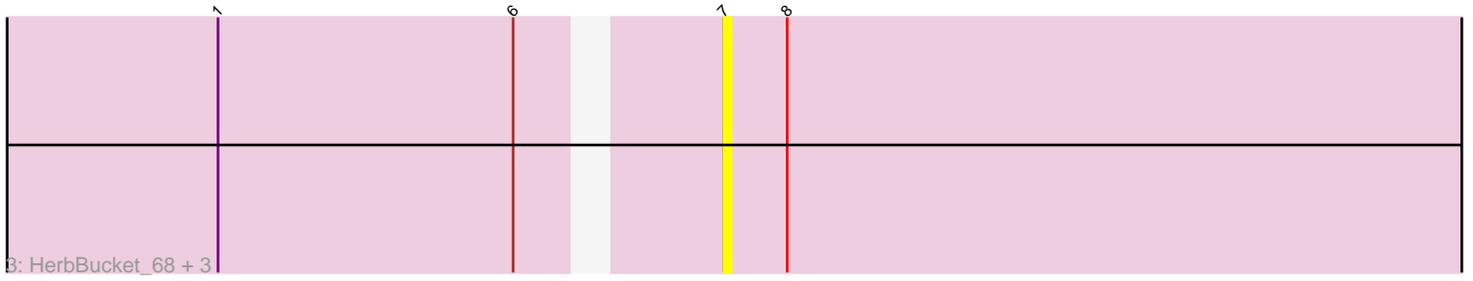
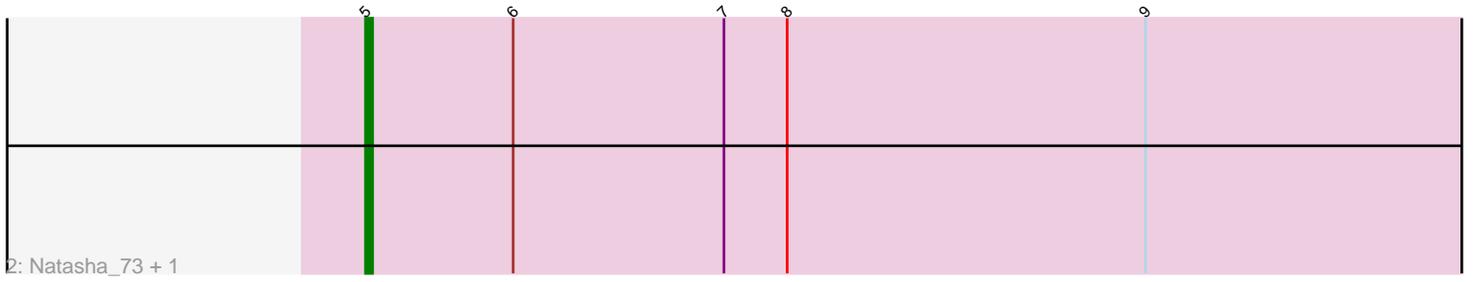


Pham 291766



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 291766 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291766 has 10 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Ingrid\_74, Loretta\_71
- Track 2 : Natasha\_73, RustyBoy\_74
- Track 3 : HerbBucket\_68, Spain\_70, Jeremy4pt0\_67, Raunak\_71
- Track 4 : Sporto\_69
- Track 5 : Sprinkle\_70

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Natasha\_73, RustyBoy\_74, Sporto\_69, Sprinkle\_70,

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

- 

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

- HerbBucket\_68, Ingrid\_74, Jeremy4pt0\_67, Loretta\_71, Raunak\_71, Spain\_70,

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

Start 3:

- Found in 2 of 10 ( 20.0% ) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ingrid\_74 (AU3), Loretta\_71 (AU3),

Start 5:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Natasha\_73 (AW), RustyBoy\_74 (AW), Sporto\_69 (AW), Sprinkle\_70 (AW),

Start 7:

- Found in 8 of 10 ( 80.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: HerbBucket\_68 (AW), Jeremy4pt0\_67 (AW), Raunak\_71 (AW), Spain\_70 (AW),

**Summary by clusters:**

There are 2 clusters represented in this pham: AU3, AW,

Info for manual annotations of cluster AU3:

- Start number 3 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AW:

- Start number 5 was manually annotated 3 times for cluster AW.

**Gene Information:**

Gene: HerbBucket\_68 Start: 44372, Stop: 44500, Start Num: 7

Candidate Starts for HerbBucket\_68:

(1, 44306), (6, 44348), (7, 44372), (8, 44381),

Gene: Ingrid\_74 Start: 46820, Stop: 46999, Start Num: 3

Candidate Starts for Ingrid\_74:

(2, 46811), (Start: 3 @46820 has 2 MA's),

Gene: Jeremy4pt0\_67 Start: 44361, Stop: 44489, Start Num: 7

Candidate Starts for Jeremy4pt0\_67:

(1, 44295), (6, 44337), (7, 44361), (8, 44370),

Gene: Loretta\_71 Start: 46820, Stop: 46999, Start Num: 3

Candidate Starts for Loretta\_71:

(2, 46811), (Start: 3 @46820 has 2 MA's),

Gene: Natasha\_73 Start: 44917, Stop: 45096, Start Num: 5

Candidate Starts for Natasha\_73:

(Start: 5 @44917 has 3 MA's), (6, 44938), (7, 44968), (8, 44977), (9, 45028),

Gene: Raunak\_71 Start: 44301, Stop: 44429, Start Num: 7

Candidate Starts for Raunak\_71:

(1, 44235), (6, 44277), (7, 44301), (8, 44310),

Gene: RustyBoy\_74 Start: 45116, Stop: 45295, Start Num: 5

Candidate Starts for RustyBoy\_74:

(Start: 5 @45116 has 3 MA's), (6, 45137), (7, 45167), (8, 45176), (9, 45227),

Gene: Spain\_70 Start: 44661, Stop: 44789, Start Num: 7

Candidate Starts for Spain\_70:

(1, 44595), (6, 44637), (7, 44661), (8, 44670),

Gene: Sporto\_69 Start: 45691, Stop: 45870, Start Num: 5

Candidate Starts for Sporto\_69:

(4, 45688), (Start: 5 @45691 has 3 MA's), (6, 45712), (7, 45742), (8, 45751),

Gene: Sprinkle\_70 Start: 45048, Stop: 45230, Start Num: 5

Candidate Starts for Sprinkle\_70:

(Start: 5 @45048 has 3 MA's), (6, 45069), (7, 45099), (8, 45108), (10, 45174),