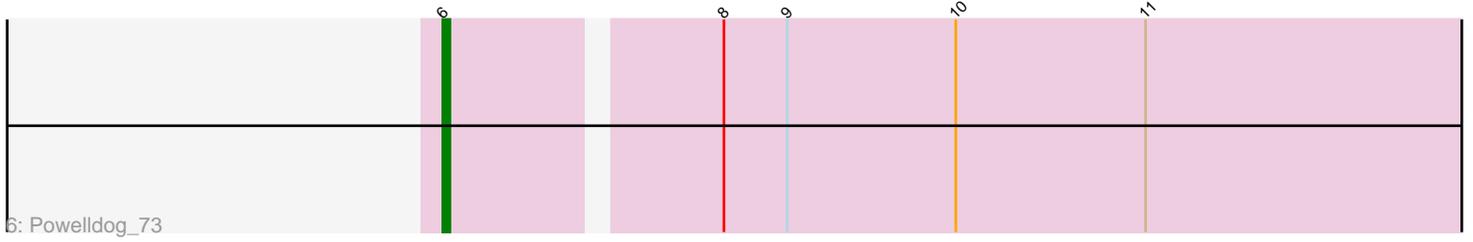
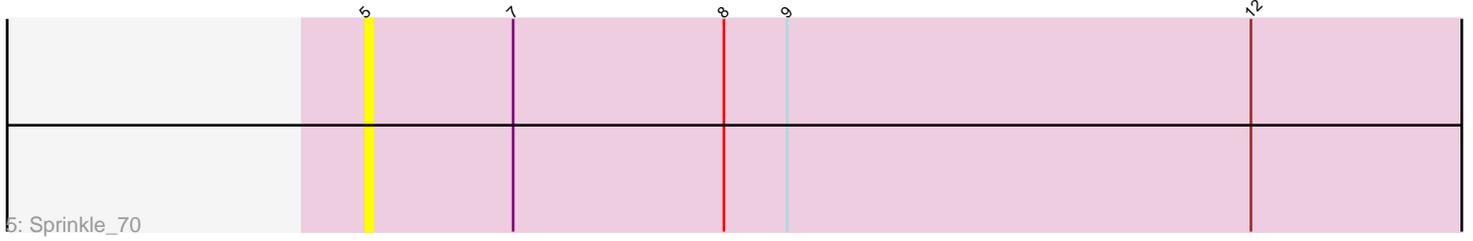
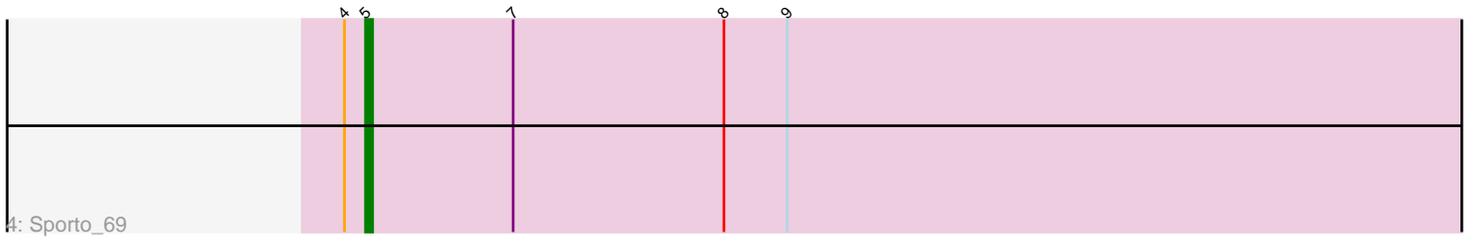
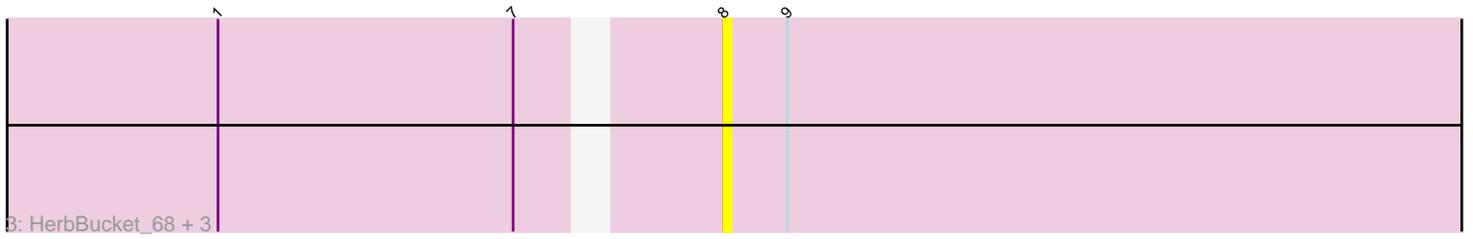
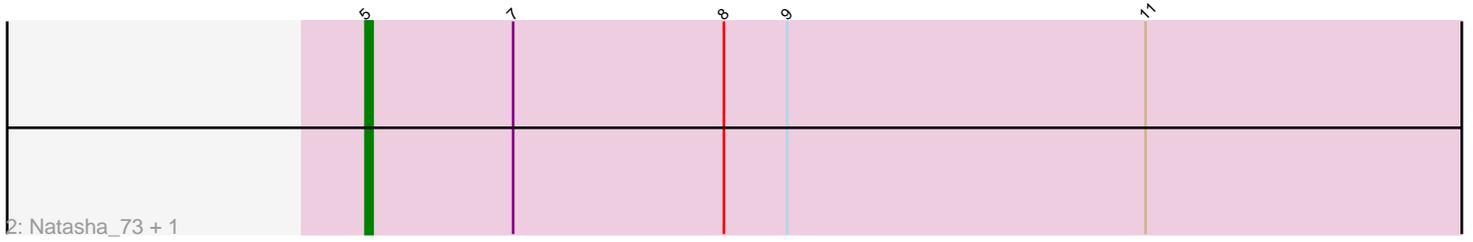
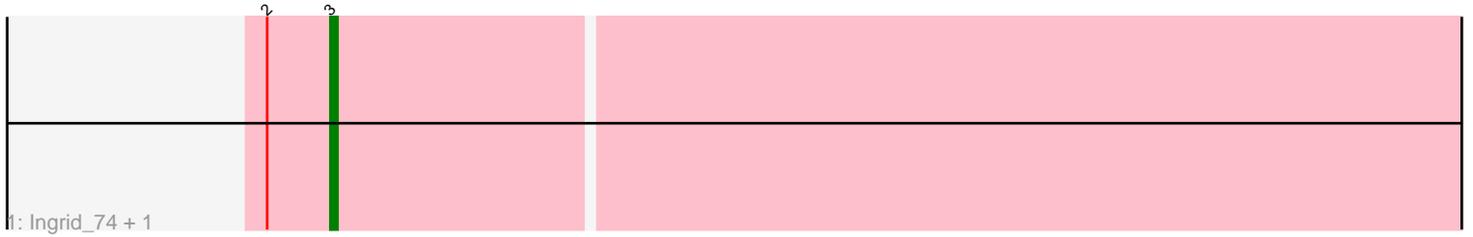


Pham 284388



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 284388 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284388 has 11 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
- Track 6 : Powellldog_73

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 6 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, Powellldog_73, Raunak_71, Spain_70,

Summary by start number:

Start 3:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 6
- 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 11 (36.4%) 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: Natasha_73 (AW), RustyBoy_74 (AW), Sporto_69 (AW), Sprinkle_70 (AW),

Start 6:

- Found in 1 of 11 (9.1%) 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: Powellldog_73 (AW),

Start 8:

- Found in 9 of 11 (81.8%) of genes in pham
- No Manual Annotations of this start.
- Called 44.4% 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.
- Start number 6 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: HerbBucket_68 Start: 44372, Stop: 44500, Start Num: 8

Candidate Starts for HerbBucket_68:

(1, 44306), (7, 44348), (8, 44372), (9, 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: 8

Candidate Starts for Jeremy4pt0_67:

(1, 44295), (7, 44337), (8, 44361), (9, 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), (7, 44938), (8, 44968), (9, 44977), (11, 45028),

Gene: Powellldog_73 Start: 45329, Stop: 45493, Start Num: 6

Candidate Starts for Powellldog_73:

(Start: 6 @45329 has 1 MA's), (8, 45365), (9, 45374), (10, 45398), (11, 45425),

Gene: Raunak_71 Start: 44301, Stop: 44429, Start Num: 8

Candidate Starts for Raunak_71:

(1, 44235), (7, 44277), (8, 44301), (9, 44310),

Gene: RustyBoy_74 Start: 45116, Stop: 45295, Start Num: 5

Candidate Starts for RustyBoy_74:

(Start: 5 @45116 has 3 MA's), (7, 45137), (8, 45167), (9, 45176), (11, 45227),

Gene: Spain_70 Start: 44661, Stop: 44789, Start Num: 8

Candidate Starts for Spain_70:

(1, 44595), (7, 44637), (8, 44661), (9, 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), (7, 45712), (8, 45742), (9, 45751),

Gene: Sprinkle_70 Start: 45048, Stop: 45230, Start Num: 5

Candidate Starts for Sprinkle_70:

(Start: 5 @45048 has 3 MA's), (7, 45069), (8, 45099), (9, 45108), (12, 45174),