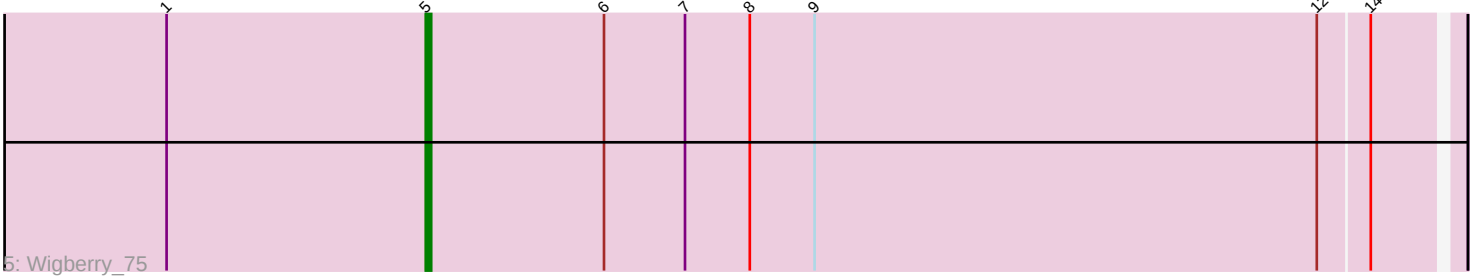
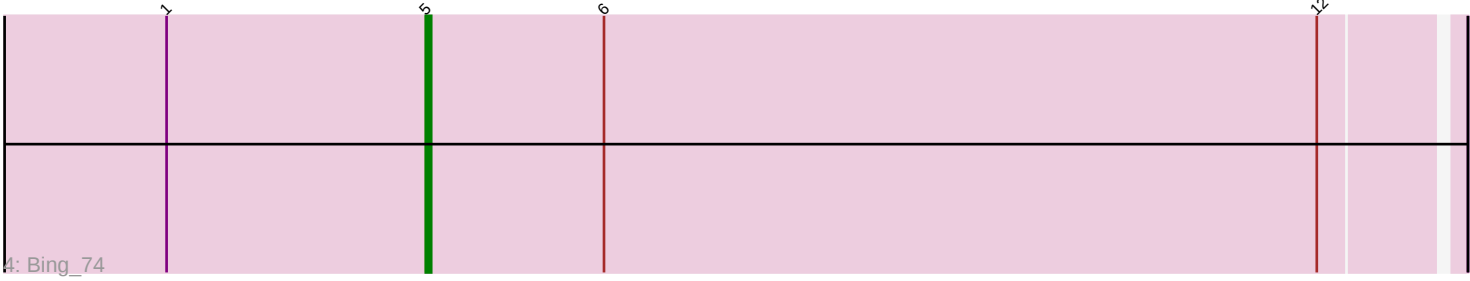
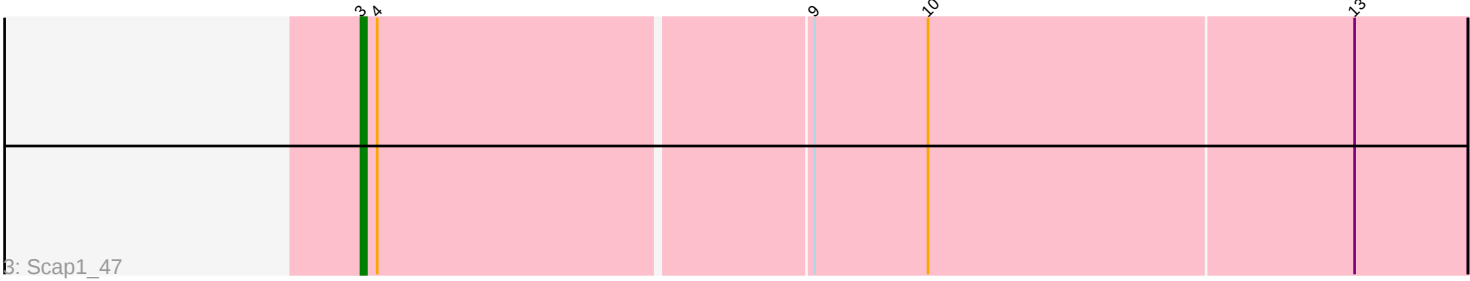
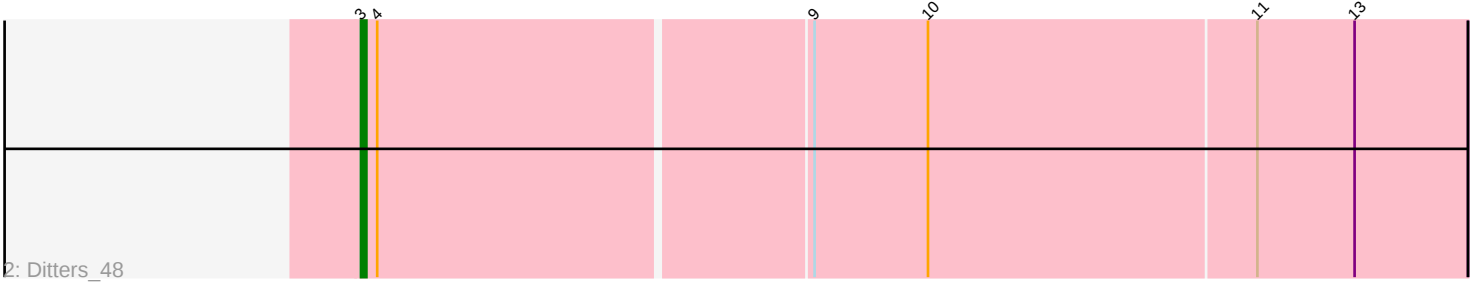
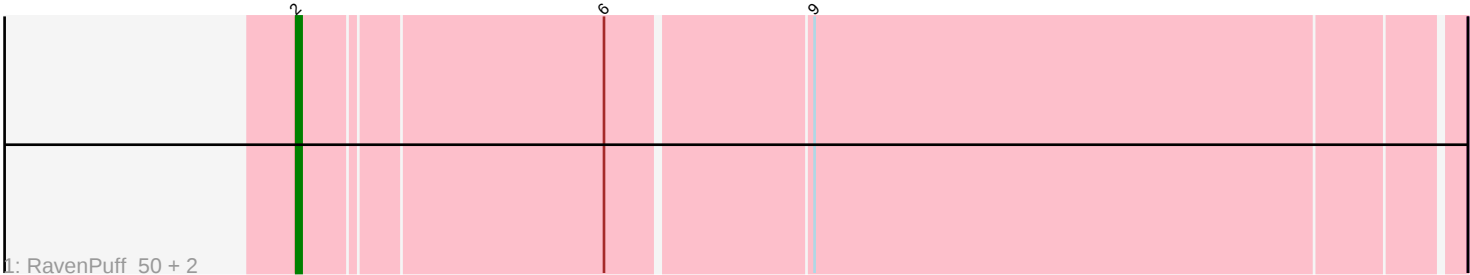


Pham 331638



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 331638 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331638 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : RavenPuff_50, Sangak_49, Doxi13_51
- Track 2 : Ditters_48
- Track 3 : Scap1_47
- Track 4 : Bing_74
- Track 5 : Wigberry_75

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 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ditters_48, Scap1_47,

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

-

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

- Bing_74, Doxi13_51, RavenPuff_50, Sangak_49, Wigberry_75,

Summary by start number:

Start 2:

- Found in 3 of 7 (42.9%) 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: Doxi13_51 (BI2), RavenPuff_50 (BI2), Sangak_49 (BI2),

Start 3:

- Found in 2 of 7 (28.6%) 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: Ditters_48 (BI2), Scap1_47 (BI2),

Start 5:

- Found in 2 of 7 (28.6%) 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: Bing_74 (BI5), Wigberry_75 (BI5),

Summary by clusters:

There are 2 clusters represented in this pham: BI5, BI2,

Info for manual annotations of cluster BI2:

- Start number 2 was manually annotated 2 times for cluster BI2.
- Start number 3 was manually annotated 2 times for cluster BI2.

Info for manual annotations of cluster BI5:

- Start number 5 was manually annotated 2 times for cluster BI5.

Gene Information:

Gene: Bing_74 Start: 46307, Stop: 46495, Start Num: 5

Candidate Starts for Bing_74:

(1, 46259), (Start: 5 @46307 has 2 MA's), (6, 46340), (12, 46472),

Gene: Ditters_48 Start: 36754, Stop: 36954, Start Num: 3

Candidate Starts for Ditters_48:

(Start: 3 @36754 has 2 MA's), (4, 36757), (9, 36835), (10, 36856), (11, 36916), (13, 36934),

Gene: Doxi13_51 Start: 36432, Stop: 36638, Start Num: 2

Candidate Starts for Doxi13_51:

(Start: 2 @36432 has 2 MA's), (6, 36486), (9, 36522),

Gene: RavenPuff_50 Start: 36428, Stop: 36634, Start Num: 2

Candidate Starts for RavenPuff_50:

(Start: 2 @36428 has 2 MA's), (6, 36482), (9, 36518),

Gene: Sangak_49 Start: 35986, Stop: 36192, Start Num: 2

Candidate Starts for Sangak_49:

(Start: 2 @35986 has 2 MA's), (6, 36040), (9, 36076),

Gene: Scap1_47 Start: 35844, Stop: 36044, Start Num: 3

Candidate Starts for Scap1_47:

(Start: 3 @35844 has 2 MA's), (4, 35847), (9, 35925), (10, 35946), (13, 36024),

Gene: Wigberry_75 Start: 46170, Stop: 46358, Start Num: 5

Candidate Starts for Wigberry_75:

(1, 46122), (Start: 5 @46170 has 2 MA's), (6, 46203), (7, 46218), (8, 46230), (9, 46242), (12, 46335), (14, 46344),