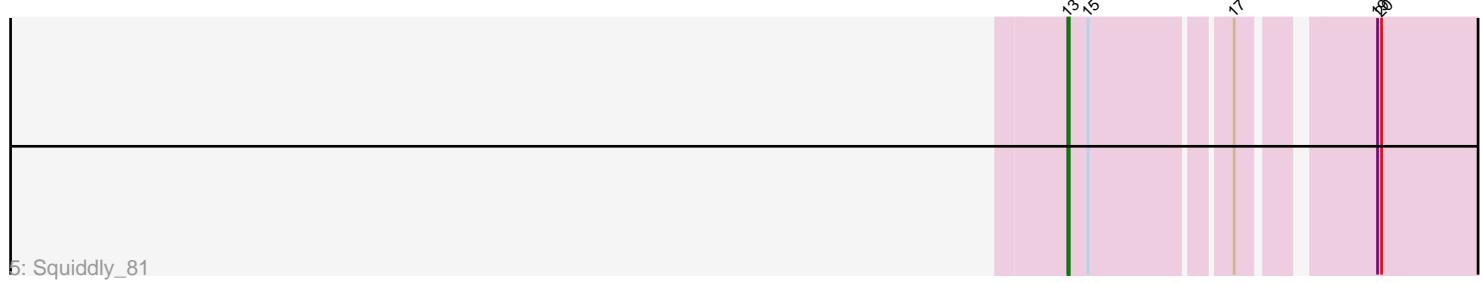
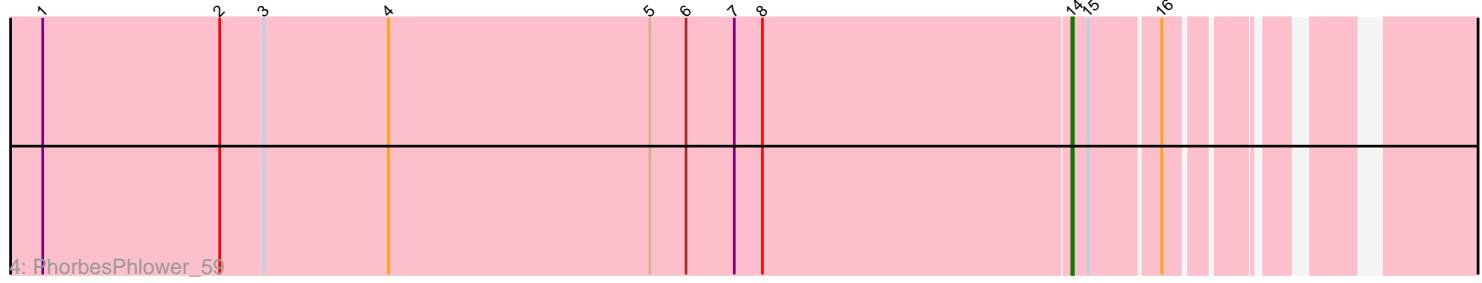
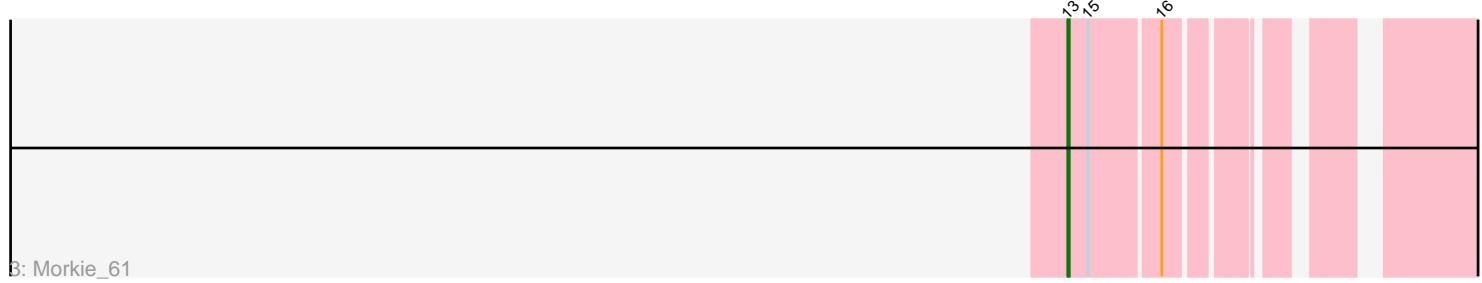
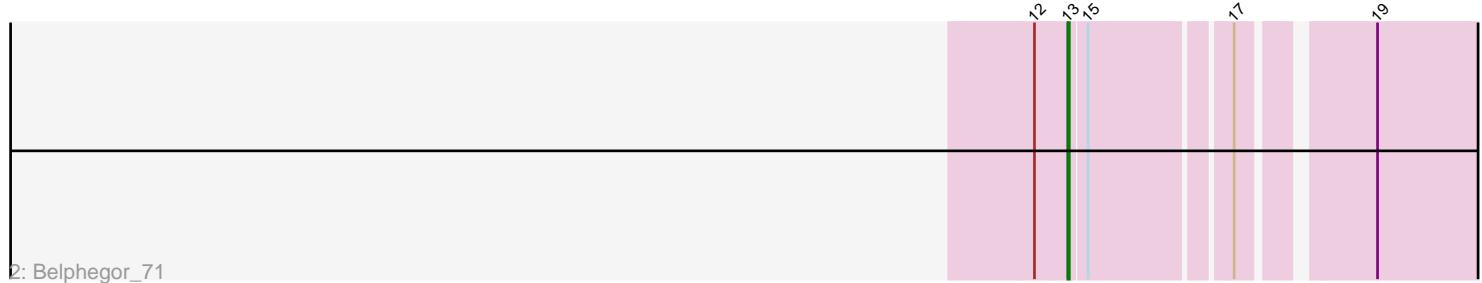


Pham 275178



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 275178 Report

This analysis was run 02/07/26 on database version 634.

Pham number 275178 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Moosehead_61
- Track 2 : Belphegor_71
- Track 3 : Morkie_61
- Track 4 : PhorbesPhlower_59
- Track 5 : Squiddly_81

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belphegor_71, Morkie_61, Squiddly_81,

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

-

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

- Moosehead_61, PhorbesPhlower_59,

Summary by start number:

Start 13:

- Found in 3 of 5 (60.0%) 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: Belphegor_71 (DE2), Morkie_61 (DH), Squiddly_81 (DN2),

Start 14:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: PhorbesPhlower_59 (DH),

Start 15:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Moosehead_61 (CZ6),

Summary by clusters:

There are 4 clusters represented in this pham: DE2, CZ6, DH, DN2,

Info for manual annotations of cluster CZ6:

- Start number 15 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DE2:

- Start number 13 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DH:

- Start number 13 was manually annotated 1 time for cluster DH.
- Start number 14 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN2:

- Start number 13 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: Belphegor_71 Start: 54528, Stop: 54860, Start Num: 13

Candidate Starts for Belphegor_71:

(12, 54504), (Start: 13 @54528 has 3 MA's), (Start: 15 @54540 has 1 MA's), (17, 54636), (19, 54720),

Gene: Moosehead_61 Start: 35551, Stop: 35901, Start Num: 15

Candidate Starts for Moosehead_61:

(9, 35386), (10, 35422), (11, 35428), (Start: 14 @35539 has 1 MA's), (Start: 15 @35551 has 1 MA's), (18, 35704), (21, 35809),

Gene: Morkie_61 Start: 36828, Stop: 37127, Start Num: 13

Candidate Starts for Morkie_61:

(Start: 13 @36828 has 3 MA's), (Start: 15 @36843 has 1 MA's), (16, 36891),

Gene: PhorbesPhlower_59 Start: 36024, Stop: 36320, Start Num: 14

Candidate Starts for PhorbesPhlower_59:

(1, 35259), (2, 35391), (3, 35424), (4, 35517), (5, 35712), (6, 35739), (7, 35775), (8, 35796), (Start: 14 @36024 has 1 MA's), (Start: 15 @36036 has 1 MA's), (16, 36084),

Gene: Squiddly_81 Start: 49110, Stop: 49445, Start Num: 13

Candidate Starts for Squiddly_81:

(Start: 13 @49110 has 3 MA's), (Start: 15 @49125 has 1 MA's), (17, 49221), (19, 49305), (20, 49308),