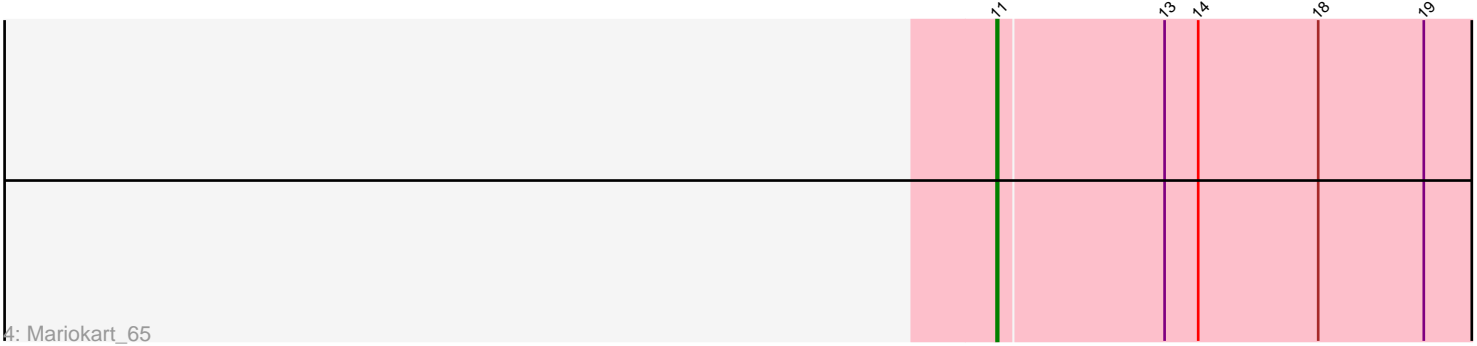
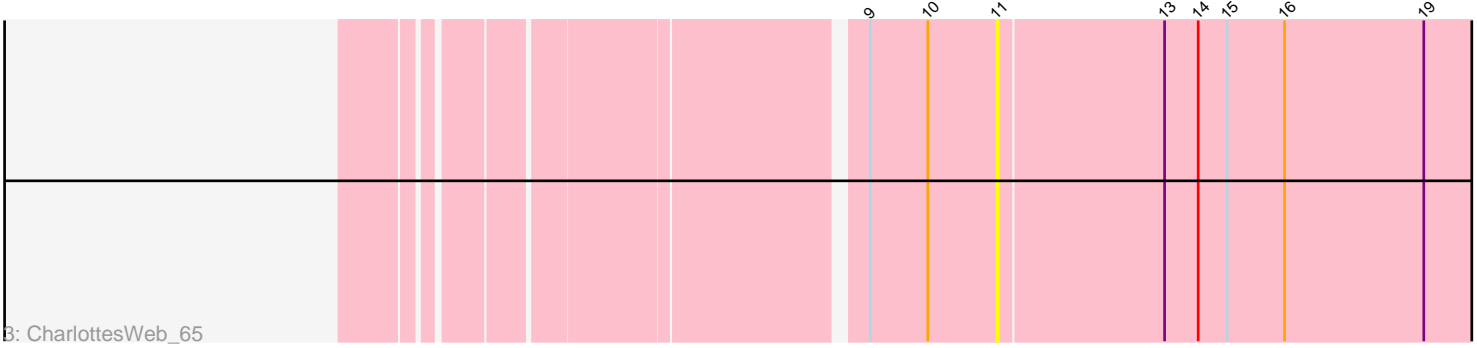
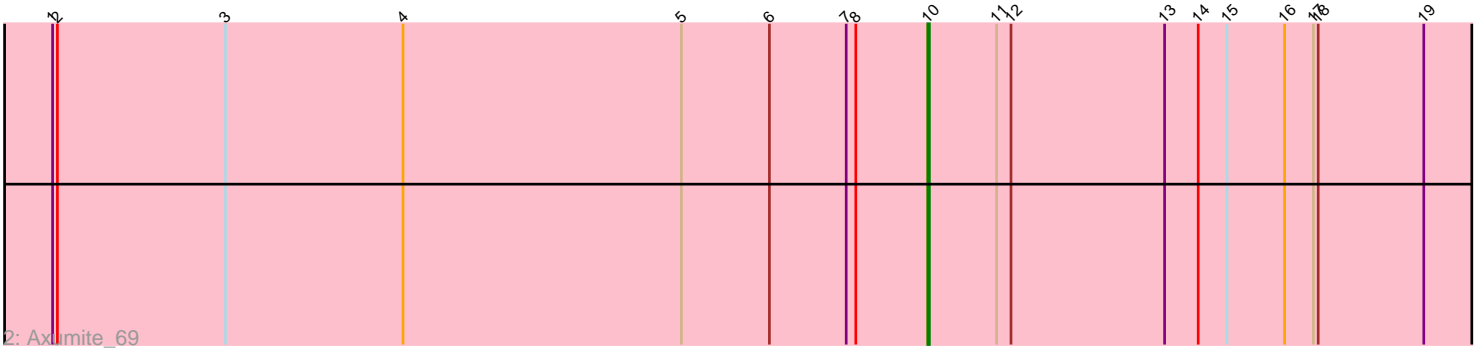
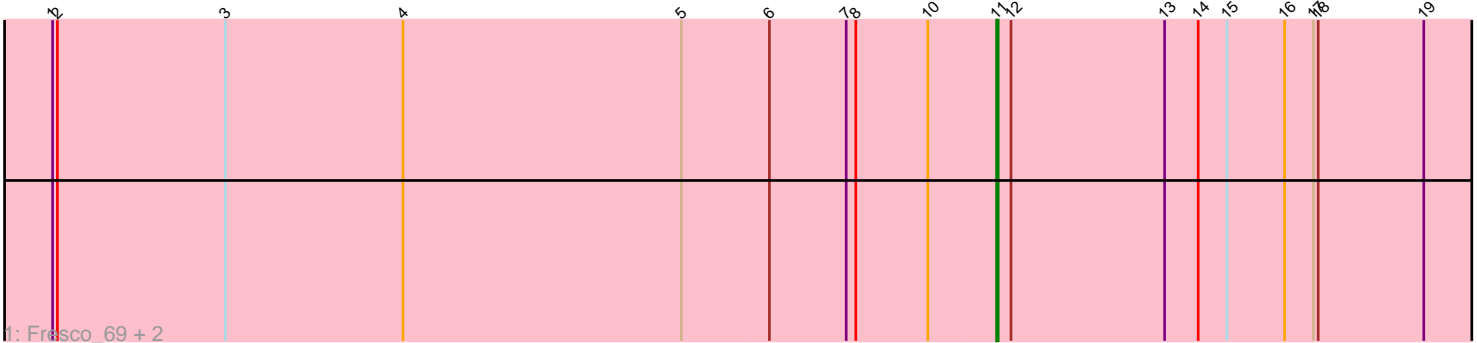


Pham 88423



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 88423 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88423 has 6 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Fresco_69, Ligma_69, Shatter_69
- Track 2 : Axumite_69
- Track 3 : CharlottesWeb_65
- Track 4 : Mariokart_65

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CharlottesWeb_65, Fresco_69, Ligma_69, Mariokart_65, Shatter_69,

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

- Axumite_69,

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

-

Summary by start number:

Start 10:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Axumite_69 (DR),

Start 11:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 83.3% of time when present
- Phage (with cluster) where this start called: CharlottesWeb_65 (DR), Fresco_69 (DR), Ligma_69 (DR), Mariokart_65 (DR), Shatter_69 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 10 was manually annotated 1 time for cluster DR.
- Start number 11 was manually annotated 2 times for cluster DR.

Gene Information:

Gene: Axumite_69 Start: 53588, Stop: 53199, Start Num: 10

Candidate Starts for Axumite_69:

(1, 54134), (2, 54131), (3, 54026), (4, 53915), (5, 53741), (6, 53687), (7, 53639), (8, 53633), (Start: 10 @53588 has 1 MA's), (Start: 11 @53546 has 2 MA's), (12, 53537), (13, 53441), (14, 53420), (15, 53402), (16, 53366), (17, 53348), (18, 53345), (19, 53279),

Gene: CharlottesWeb_65 Start: 52129, Stop: 51785, Start Num: 11

Candidate Starts for CharlottesWeb_65:

(9, 52207), (Start: 10 @52171 has 1 MA's), (Start: 11 @52129 has 2 MA's), (13, 52027), (14, 52006), (15, 51988), (16, 51952), (19, 51865),

Gene: Fresco_69 Start: 53552, Stop: 53205, Start Num: 11

Candidate Starts for Fresco_69:

(1, 54140), (2, 54137), (3, 54032), (4, 53921), (5, 53747), (6, 53693), (7, 53645), (8, 53639), (Start: 10 @53594 has 1 MA's), (Start: 11 @53552 has 2 MA's), (12, 53543), (13, 53447), (14, 53426), (15, 53408), (16, 53372), (17, 53354), (18, 53351), (19, 53285),

Gene: Ligma_69 Start: 53546, Stop: 53199, Start Num: 11

Candidate Starts for Ligma_69:

(1, 54134), (2, 54131), (3, 54026), (4, 53915), (5, 53741), (6, 53687), (7, 53639), (8, 53633), (Start: 10 @53588 has 1 MA's), (Start: 11 @53546 has 2 MA's), (12, 53537), (13, 53441), (14, 53420), (15, 53402), (16, 53366), (17, 53348), (18, 53345), (19, 53279),

Gene: Mariokart_65 Start: 52411, Stop: 52067, Start Num: 11

Candidate Starts for Mariokart_65:

(Start: 11 @52411 has 2 MA's), (13, 52309), (14, 52288), (18, 52213), (19, 52147),

Gene: Shatter_69 Start: 53546, Stop: 53199, Start Num: 11

Candidate Starts for Shatter_69:

(1, 54134), (2, 54131), (3, 54026), (4, 53915), (5, 53741), (6, 53687), (7, 53639), (8, 53633), (Start: 10 @53588 has 1 MA's), (Start: 11 @53546 has 2 MA's), (12, 53537), (13, 53441), (14, 53420), (15, 53402), (16, 53366), (17, 53348), (18, 53345), (19, 53279),