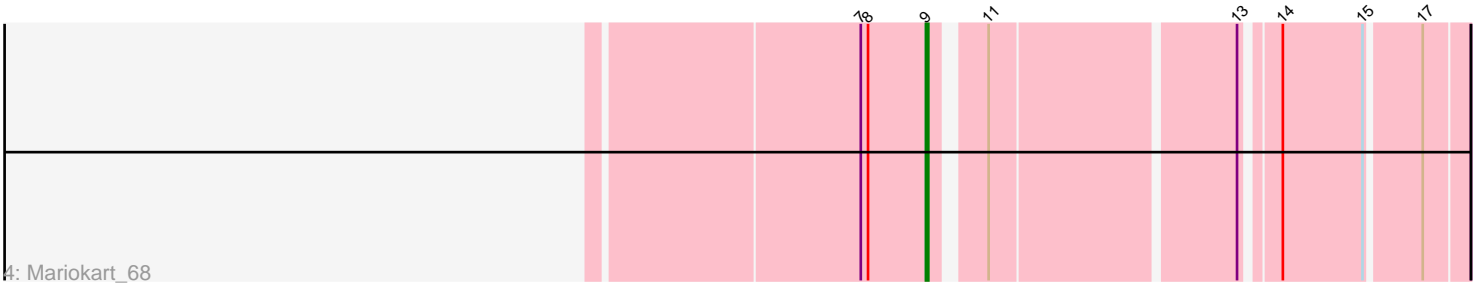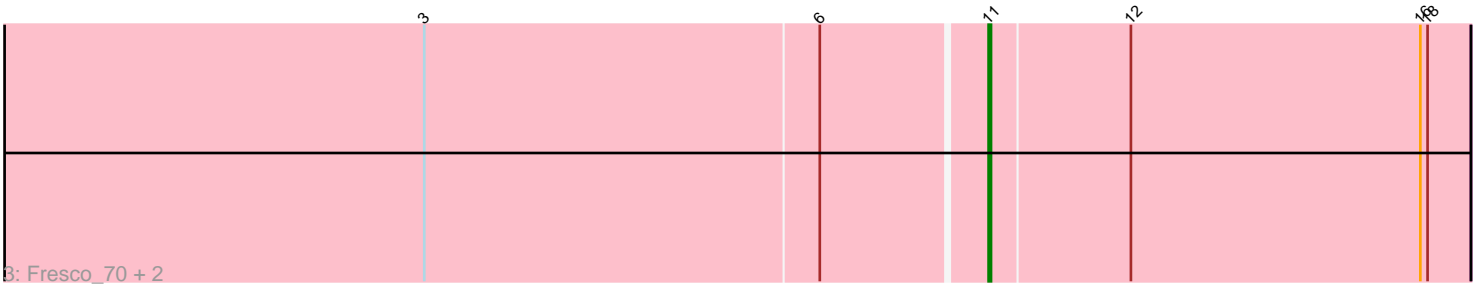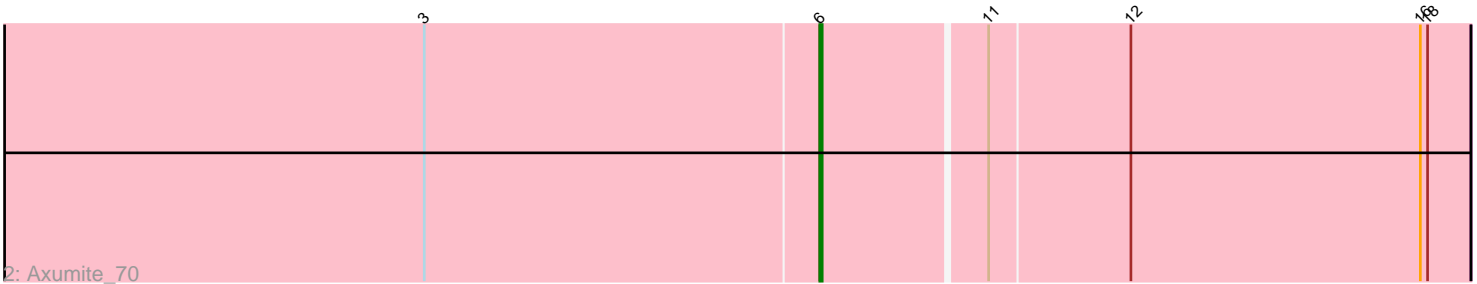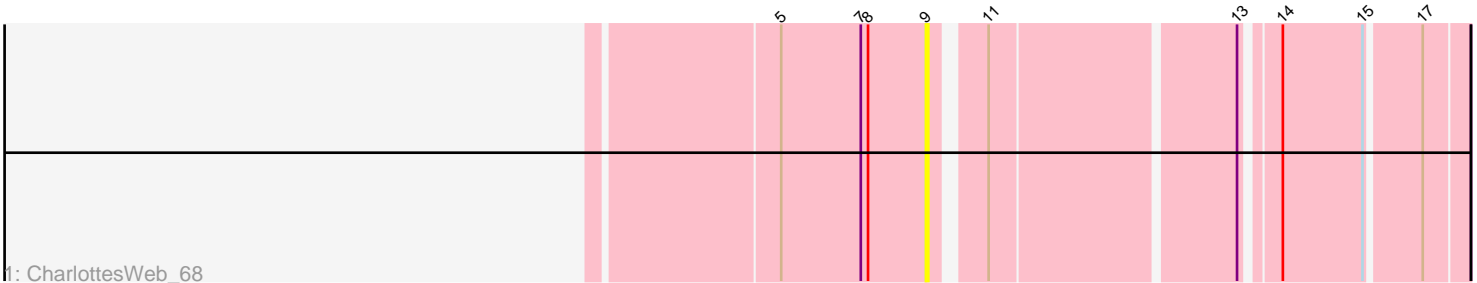# Pham 88331

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 88331 Report

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

Pham number 88331 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : CharlottesWeb_68
• Track 2 : Axumite_70
• Track 3 : Fresco_70, Shatter_70, Ligma_70
• Track 4 : Mariokart_68
• Track 5 : BiggityBass_70

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 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BiggityBass_70, Fresco_70, Ligma_70, Shatter_70,

Genes that have the "Most Annotated" start but do not call it:
• Axumite_70, CharlottesWeb_68, Mariokart_68,

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

Summary by start number:

Start 6:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Axumite_70 (DR),

Start 9:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CharlottesWeb_68 (DR), Mariokart_68 (DR),

Start 11:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 57.1% of time when present
• Phage (with cluster) where this start called: BiggityBass_70 (DR), Fresco_70 (DR), Ligma_70 (DR), Shatter_70 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 6 was manually annotated 1 time for cluster DR.
•Start number 9 was manually annotated 1 time for cluster DR.
•Start number 11 was manually annotated 2 times for cluster DR.

Gene Information:

Gene: Axumite_70 Start: 53589, Stop: 53852, Start Num: 6
Candidate Starts for Axumite_70:
(3, 53427), (Start: 6 @53589 has 1 MA's), (Start: 11 @53655 has 2 MA's), (12, 53712), (16, 53832), (18, 53835),

Gene: BiggityBass_70 Start: 55977, Stop: 56171, Start Num: 11
Candidate Starts for BiggityBass_70:
(1, 55617), (2, 55623), (4, 55797), (10, 55956), (Start: 11 @55977 has 2 MA's), (16, 56151),

Gene: CharlottesWeb_68 Start: 52915, Stop: 53112, Start Num: 9
Candidate Starts for CharlottesWeb_68:
(5, 52855), (7, 52888), (8, 52891), (Start: 9 @52915 has 1 MA's), (Start: 11 @52933 has 2 MA's), (13, 53029), (14, 53041), (15, 53074), (17, 53095),

Gene: Fresco_70 Start: 53661, Stop: 53858, Start Num: 11
Candidate Starts for Fresco_70:
(3, 53433), (Start: 6 @53595 has 1 MA's), (Start: 11 @53661 has 2 MA's), (12, 53718), (16, 53838), (18, 53841),

Gene: Ligma_70 Start: 53655, Stop: 53852, Start Num: 11
Candidate Starts for Ligma_70:
(3, 53427), (Start: 6 @53589 has 1 MA's), (Start: 11 @53655 has 2 MA's), (12, 53712), (16, 53832), (18, 53835),

Gene: Mariokart_68 Start: 53198, Stop: 53395, Start Num: 9
Candidate Starts for Mariokart_68:
(7, 53171), (8, 53174), (Start: 9 @53198 has 1 MA's), (Start: 11 @53216 has 2 MA's), (13, 53312), (14, 53324), (15, 53357), (17, 53378),

Gene: Shatter_70 Start: 53655, Stop: 53852, Start Num: 11
Candidate Starts for Shatter_70:

(3, 53427), (Start: 6 @53589 has 1 MA's), (Start: 11 @53655 has 2 MA's), (12, 53712), (16, 53832), (18, 53835),