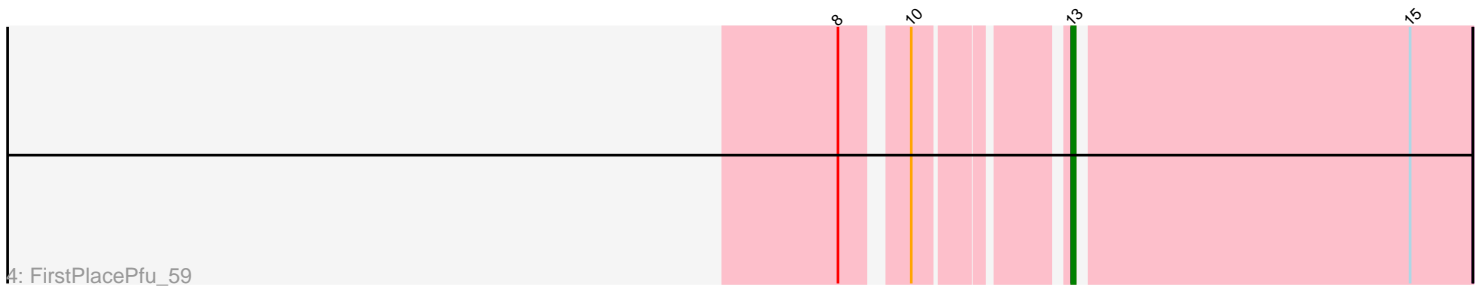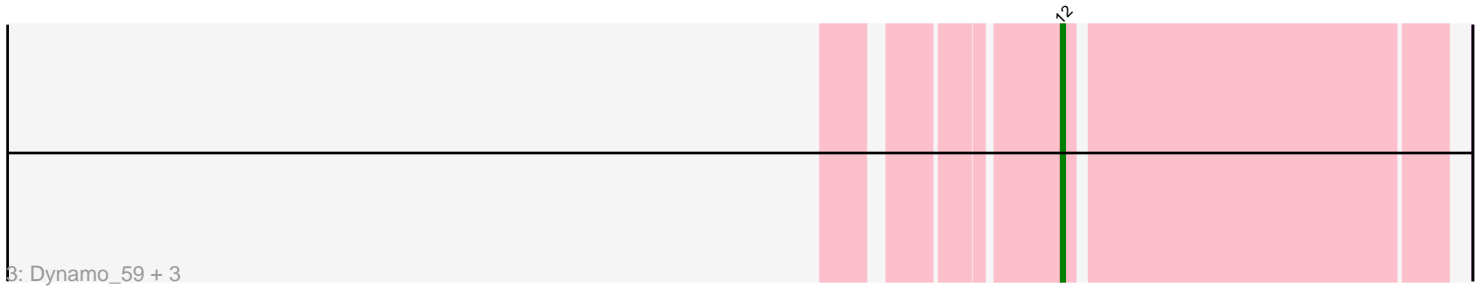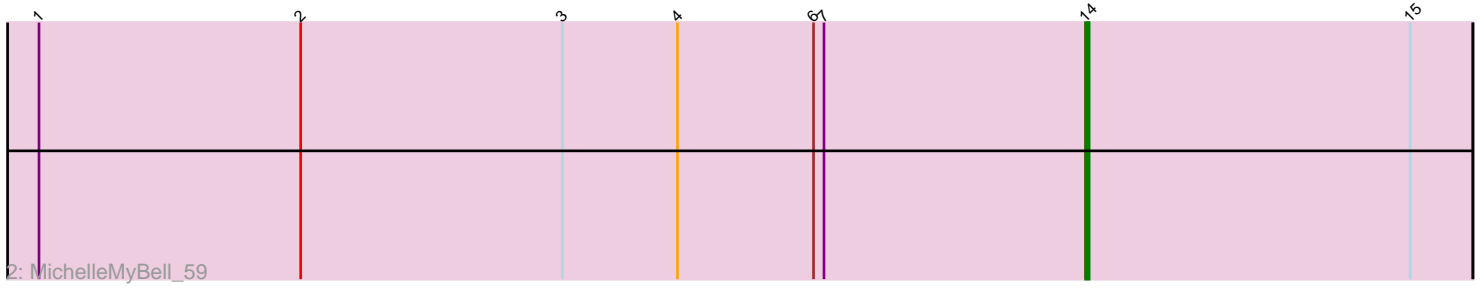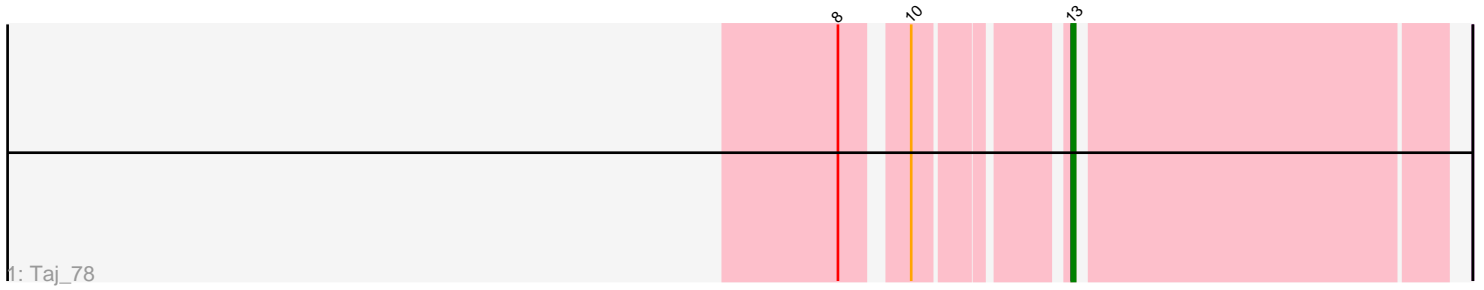# Pham 213291

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 213291 Report

This analysis was run 02/22/25 on database version 588.

Pham number 213291 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Taj_78
• Track 2 : MichelleMyBell_59
• Track 3 : Dynamo_59, Sonah_60, HUHilltop_62, Jebeks_60
• Track 4 : FirstPlacePfu_59
• Track 5 : Willsammy_61

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dynamo_59, HUHilltop_62, Jebeks_60, Sonah_60, Willsammy_61,

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

Genes that do not have the "Most Annotated" start:
• FirstPlacePfu_59, MichelleMyBell_59, Taj_78,

Summary by start number:

Start 12:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dynamo_59 (P1), HUHilltop_62 (P1), Jebeks_60 (P1), Sonah_60 (P1), Willsammy_61 (P1),

Start 13:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FirstPlacePfu_59 (P1), Taj_78 (F1),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MichelleMyBell_59 (N),

Summary by clusters:

There are 3 clusters represented in this pham: F1, P1, N,

Info for manual annotations of cluster F1:
•Start number 13 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster N:
•Start number 14 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:
•Start number 12 was manually annotated 5 times for cluster P1.
•Start number 13 was manually annotated 1 time for cluster P1.

Gene Information:

Gene: Dynamo_59 Start: 39180, Stop: 39284, Start Num: 12
Candidate Starts for Dynamo_59:
(Start: 12 @39180 has 5 MA's),

Gene: FirstPlacePfu_59 Start: 37654, Stop: 37764, Start Num: 13
Candidate Starts for FirstPlacePfu_59:
(8, 37603), (10, 37618), (Start: 13 @37654 has 2 MA's), (15, 37747),

Gene: HUHilltop_62 Start: 39403, Stop: 39507, Start Num: 12
Candidate Starts for HUHilltop_62:
(Start: 12 @39403 has 5 MA's),

Gene: Jebeks_60 Start: 38700, Stop: 38804, Start Num: 12
Candidate Starts for Jebeks_60:
(Start: 12 @38700 has 5 MA's),

Gene: MichelleMyBell_59 Start: 37278, Stop: 37388, Start Num: 14
Candidate Starts for MichelleMyBell_59:
(1, 36978), (2, 37053), (3, 37128), (4, 37161), (6, 37200), (7, 37203), (Start: 14 @37278 has 1 MA's),
(15, 37371),

Gene: Sonah_60 Start: 38874, Stop: 38978, Start Num: 12
Candidate Starts for Sonah_60:
(Start: 12 @38874 has 5 MA's),

Gene: Taj_78 Start: 46564, Stop: 46665, Start Num: 13
Candidate Starts for Taj_78:
(8, 46513), (10, 46528), (Start: 13 @46564 has 2 MA's),

Gene: Willsammy_61 Start: 41085, Stop: 41189, Start Num: 12
Candidate Starts for Willsammy_61:
(5, 41016), (9, 41046), (11, 41082), (Start: 12 @41085 has 5 MA's),