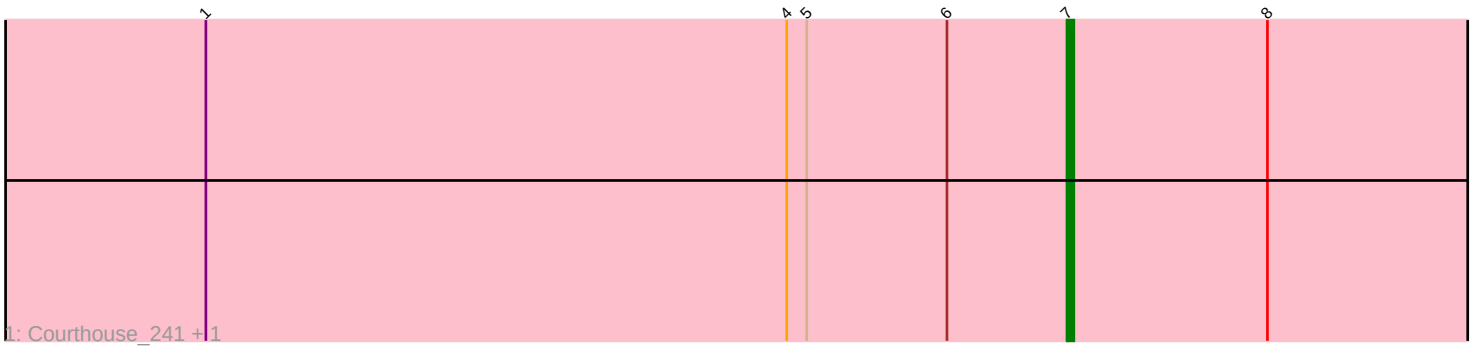
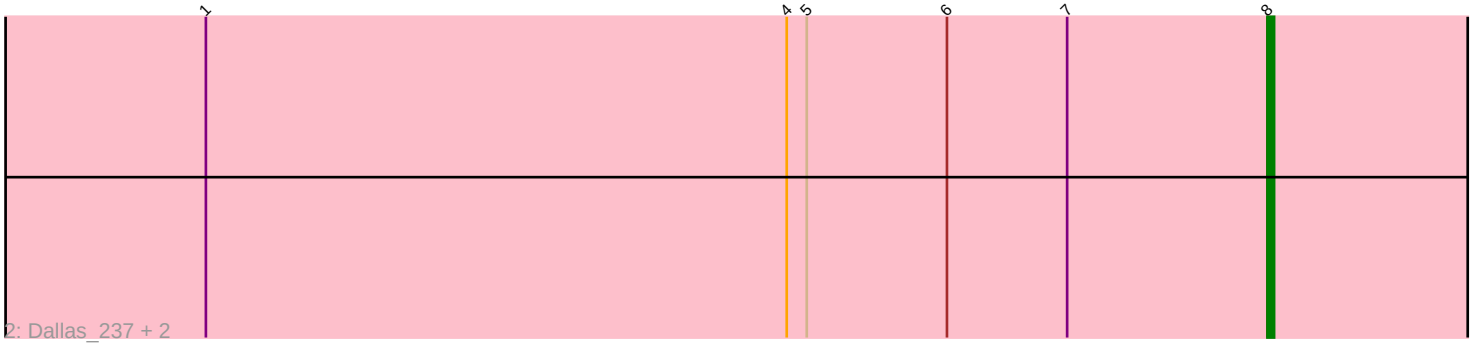
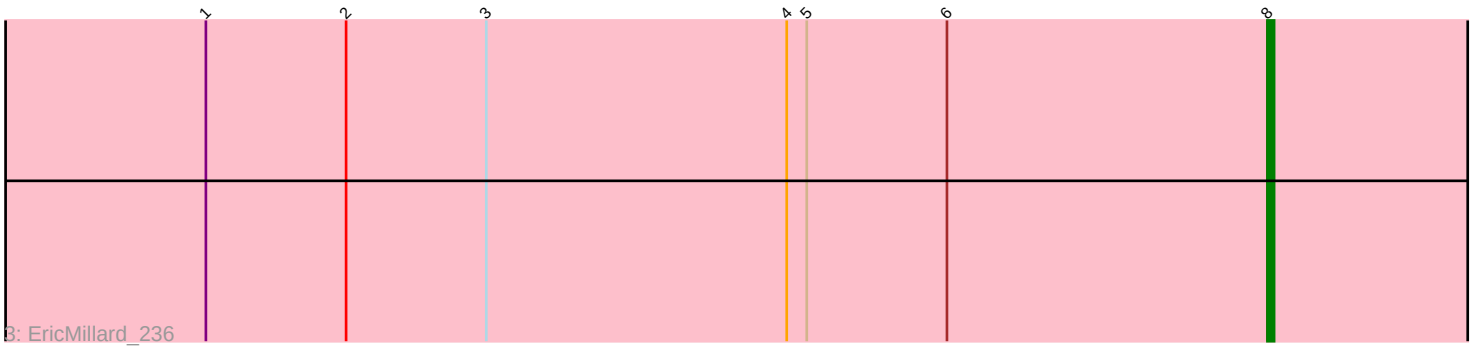
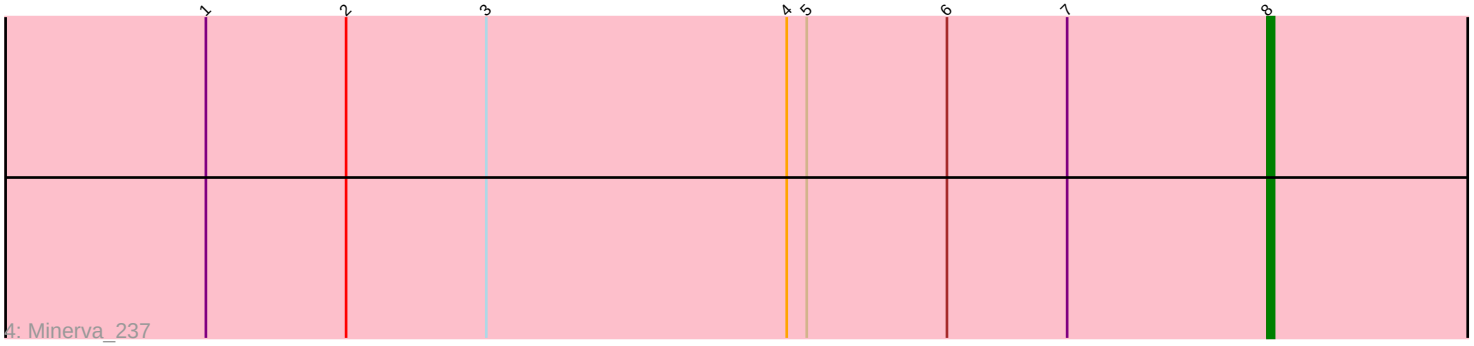
Pham 7196


1
4
5
6
7
8
1: Courthouse_241 + 1


1
4
5
6
7
8
2: Dallas_237 + 2


1
2
3
4
5
6
8
3: EricMillard_236


1
2
3
4
5
6
7
8
4: Minerva_237

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 7196 Report

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

Pham number 7196 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Courthouse_241, Halley_241
• Track 2 : Dallas_237, Superphikiman_237, Ariel_245
• Track 3 : EricMillard_236
• Track 4 : Minerva_237

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_245, Dallas_237, EricMillard_236, Minerva_237, Superphikiman_237,

Genes that have the "Most Annotated" start but do not call it:
• Courthouse_241, Halley_241,

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

Summary by start number:

Start 7:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Courthouse_241 (J), Halley_241 (J),

Start 8:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Ariel_245 (J), Dallas_237 (J), EricMillard_236 (J), Minerva_237 (J), Superphikiman_237 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 7 was manually annotated 2 times for cluster J.
•Start number 8 was manually annotated 5 times for cluster J.

Gene Information:

Gene: Ariel_245 Start: 108843, Stop: 108652, Start Num: 8
Candidate Starts for Ariel_245:
(1, 109002), (4, 108915), (5, 108912), (6, 108891), (Start: 7 @108873 has 2 MA's), (Start: 8 @108843 has 5 MA's),

Gene: Courthouse_241 Start: 109639, Stop: 109418, Start Num: 7
Candidate Starts for Courthouse_241:
(1, 109768), (4, 109681), (5, 109678), (6, 109657), (Start: 7 @109639 has 2 MA's), (Start: 8 @109609 has 5 MA's),

Gene: Dallas_237 Start: 110182, Stop: 109991, Start Num: 8
Candidate Starts for Dallas_237:
(1, 110341), (4, 110254), (5, 110251), (6, 110230), (Start: 7 @110212 has 2 MA's), (Start: 8 @110182 has 5 MA's),

Gene: EricMillard_236 Start: 112138, Stop: 111947, Start Num: 8
Candidate Starts for EricMillard_236:
(1, 112297), (2, 112276), (3, 112255), (4, 112210), (5, 112207), (6, 112186), (Start: 8 @112138 has 5 MA's),

Gene: Halley_241 Start: 110699, Stop: 110478, Start Num: 7
Candidate Starts for Halley_241:
(1, 110828), (4, 110741), (5, 110738), (6, 110717), (Start: 7 @110699 has 2 MA's), (Start: 8 @110669 has 5 MA's),

Gene: Minerva_237 Start: 108915, Stop: 108724, Start Num: 8
Candidate Starts for Minerva_237:
(1, 109074), (2, 109053), (3, 109032), (4, 108987), (5, 108984), (6, 108963), (Start: 7 @108945 has 2 MA's), (Start: 8 @108915 has 5 MA's),

Gene: Superphikiman_237 Start: 108403, Stop: 108212, Start Num: 8
Candidate Starts for Superphikiman_237:
(1, 108562), (4, 108475), (5, 108472), (6, 108451), (Start: 7 @108433 has 2 MA's), (Start: 8 @108403 has 5 MA's),