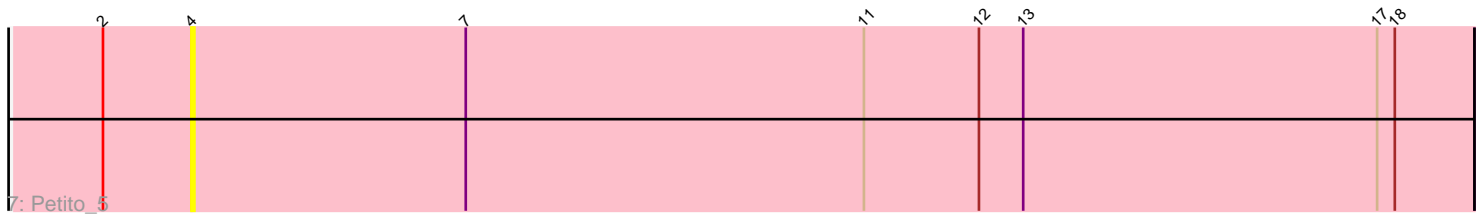
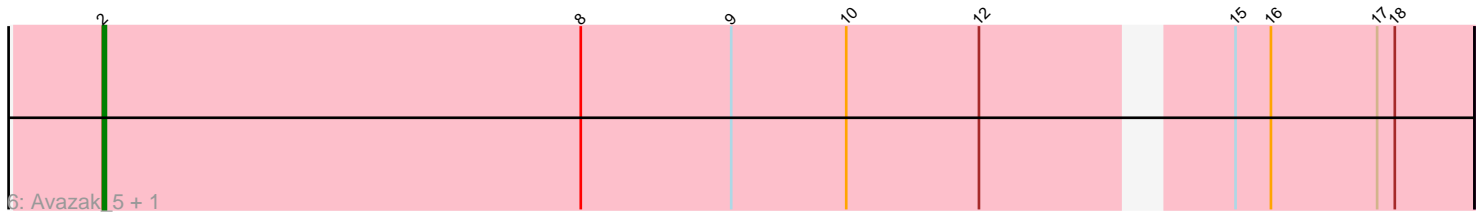
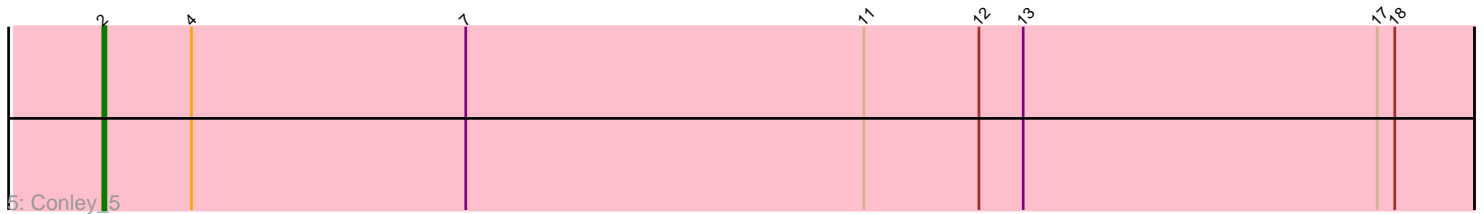
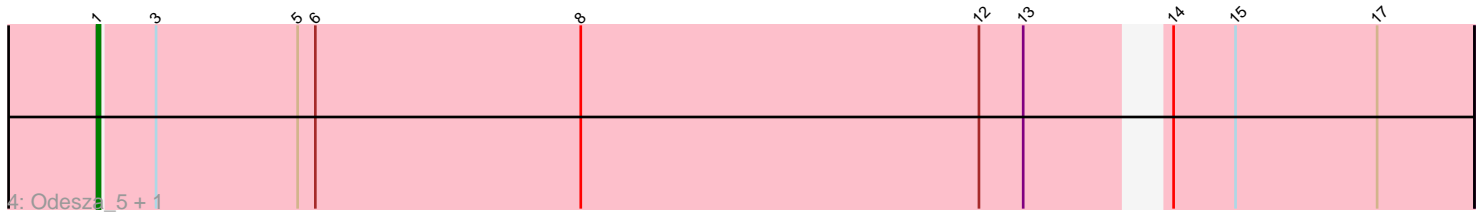
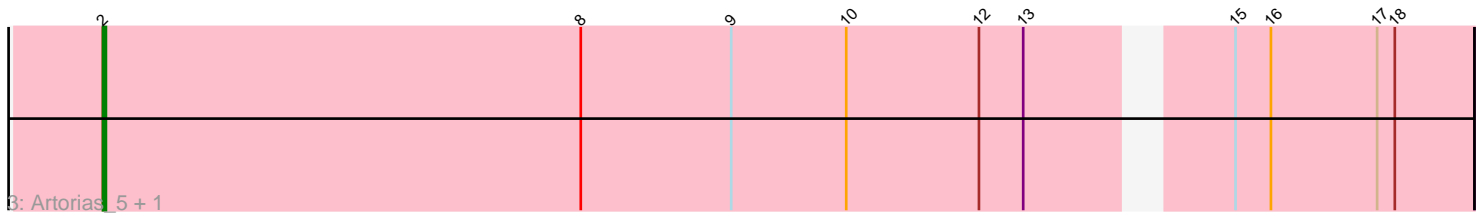
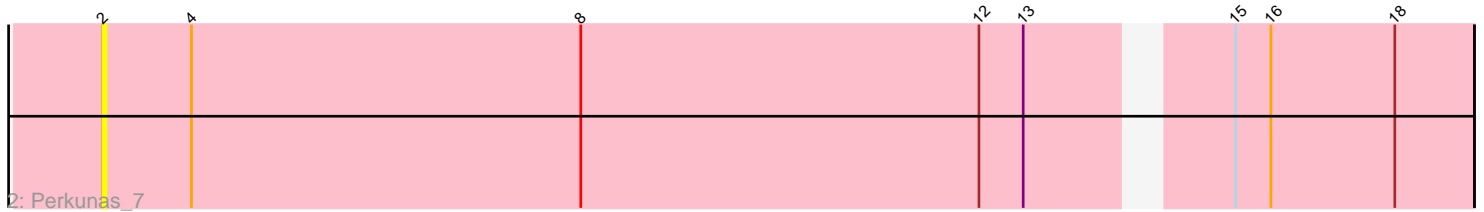
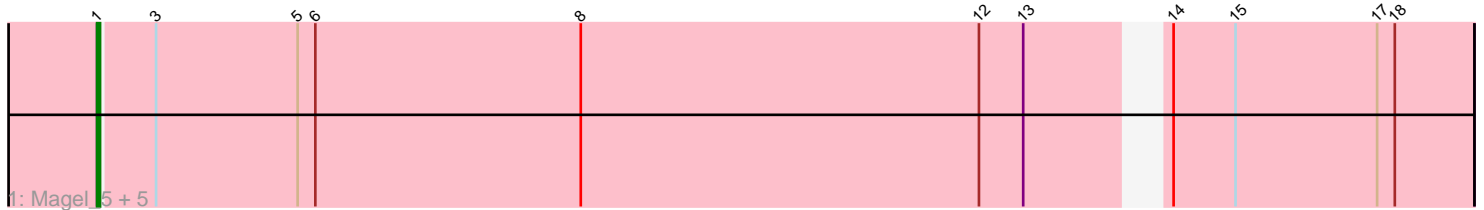


Pham 87464



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 87464 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87464 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Magel_5, Cappybara_5, Gravy_5, Gill_5, Kerry_5, Roney_5
- Track 2 : Perkunas_7
- Track 3 : Artorias_5, FortCran_5
- Track 4 : Odesza_5, Tanis_5
- Track 5 : Conley_5
- Track 6 : Avazak_5, Captrips_5
- Track 7 : Petito_5

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cappybara_5, Gill_5, Gravy_5, Kerry_5, Magel_5, Odesza_5, Roney_5, Tanis_5,

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

-

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

- Artorias_5, Avazak_5, Captrips_5, Conley_5, FortCran_5, Perkunas_7, Petito_5,

Summary by start number:

Start 1:

- Found in 8 of 15 (53.3%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cappybara_5 (DJ), Gill_5 (DJ), Gravy_5 (DJ), Kerry_5 (DJ), Magel_5 (DJ), Odesza_5 (DJ), Roney_5 (DJ), Tanis_5 (DJ),

Start 2:

- Found in 7 of 15 (46.7%) of genes in pham
- Manual Annotations of this start: 3 of 10

- Called 85.7% of time when present
- Phage (with cluster) where this start called: Artorias_5 (DJ), Avazak_5 (DJ), Captrips_5 (DJ), Conley_5 (DJ), FortCran_5 (DJ), Perkunas_7 (DJ),

Start 4:

- Found in 3 of 15 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Petito_5 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 7 times for cluster DJ.
- Start number 2 was manually annotated 3 times for cluster DJ.

Gene Information:

Gene: Artorias_5 Start: 2130, Stop: 2579, Start Num: 2

Candidate Starts for Artorias_5:

(Start: 2 @2130 has 3 MA's), (8, 2292), (9, 2343), (10, 2382), (12, 2427), (13, 2442), (15, 2499), (16, 2511), (17, 2547), (18, 2553),

Gene: Avazak_5 Start: 2130, Stop: 2579, Start Num: 2

Candidate Starts for Avazak_5:

(Start: 2 @2130 has 3 MA's), (8, 2292), (9, 2343), (10, 2382), (12, 2427), (15, 2499), (16, 2511), (17, 2547), (18, 2553),

Gene: Captrips_5 Start: 2130, Stop: 2579, Start Num: 2

Candidate Starts for Captrips_5:

(Start: 2 @2130 has 3 MA's), (8, 2292), (9, 2343), (10, 2382), (12, 2427), (15, 2499), (16, 2511), (17, 2547), (18, 2553),

Gene: Capybara_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Capybara_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Conley_5 Start: 2131, Stop: 2595, Start Num: 2

Candidate Starts for Conley_5:

(Start: 2 @2131 has 3 MA's), (4, 2161), (7, 2254), (11, 2389), (12, 2428), (13, 2443), (17, 2563), (18, 2569),

Gene: FortCran_5 Start: 2130, Stop: 2579, Start Num: 2

Candidate Starts for FortCran_5:

(Start: 2 @2130 has 3 MA's), (8, 2292), (9, 2343), (10, 2382), (12, 2427), (13, 2442), (15, 2499), (16, 2511), (17, 2547), (18, 2553),

Gene: Gill_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Gill_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Gravy_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Gravy_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Kerry_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Kerry_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Magel_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Magel_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Odesza_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Odesza_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251),

Gene: Perkunas_7 Start: 2649, Stop: 3098, Start Num: 2

Candidate Starts for Perkunas_7:

(Start: 2 @2649 has 3 MA's), (4, 2679), (8, 2811), (12, 2946), (13, 2961), (15, 3018), (16, 3030), (18, 3072),

Gene: Petito_5 Start: 2355, Stop: 2789, Start Num: 4

Candidate Starts for Petito_5:

(Start: 2 @2325 has 3 MA's), (4, 2355), (7, 2448), (11, 2583), (12, 2622), (13, 2637), (17, 2757), (18, 2763),

Gene: Roney_5 Start: 1834, Stop: 2283, Start Num: 1

Candidate Starts for Roney_5:

(Start: 1 @1834 has 7 MA's), (3, 1852), (5, 1900), (6, 1906), (8, 1996), (12, 2131), (13, 2146), (14, 2182), (15, 2203), (17, 2251), (18, 2257),

Gene: Tanis_5 Start: 1684, Stop: 2133, Start Num: 1

Candidate Starts for Tanis_5:

(Start: 1 @1684 has 7 MA's), (3, 1702), (5, 1750), (6, 1756), (8, 1846), (12, 1981), (13, 1996), (14, 2032), (15, 2053), (17, 2101),