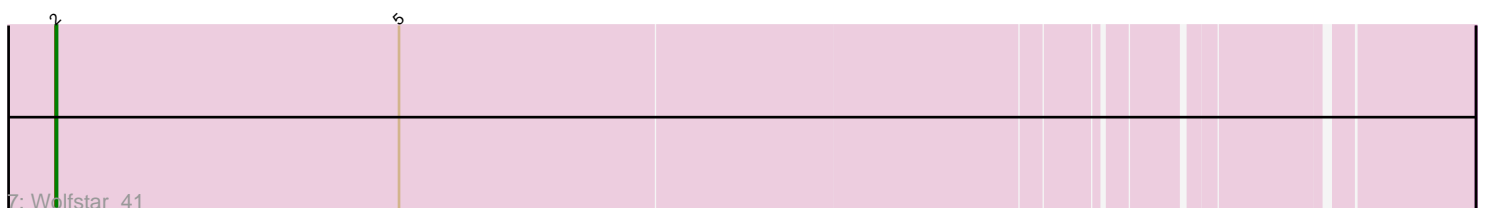
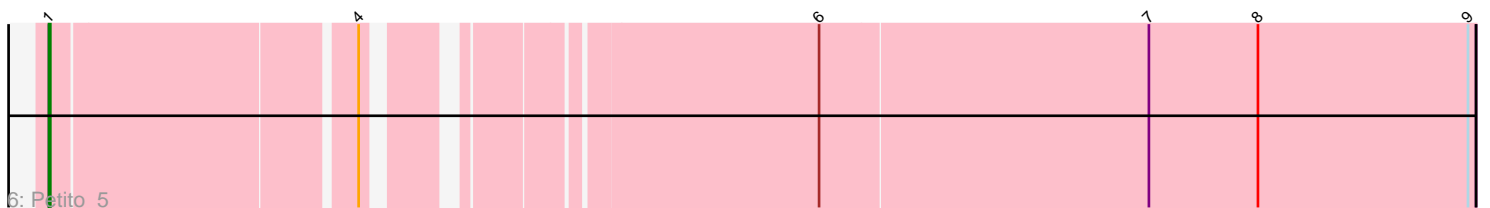
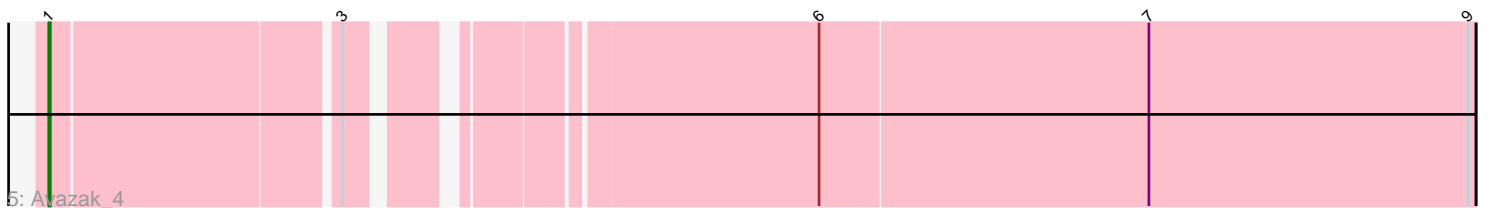
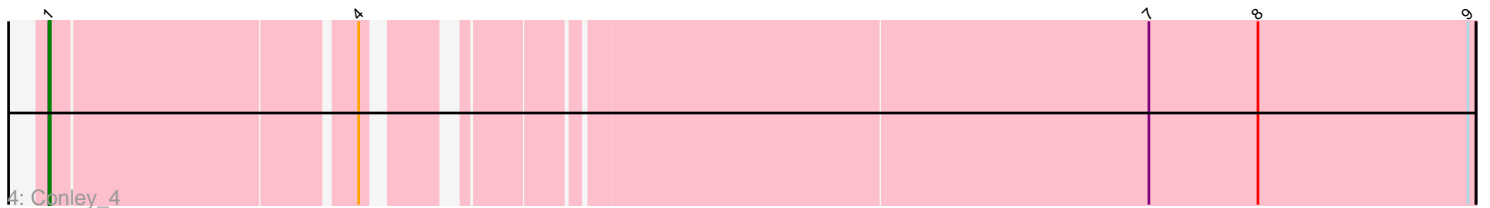
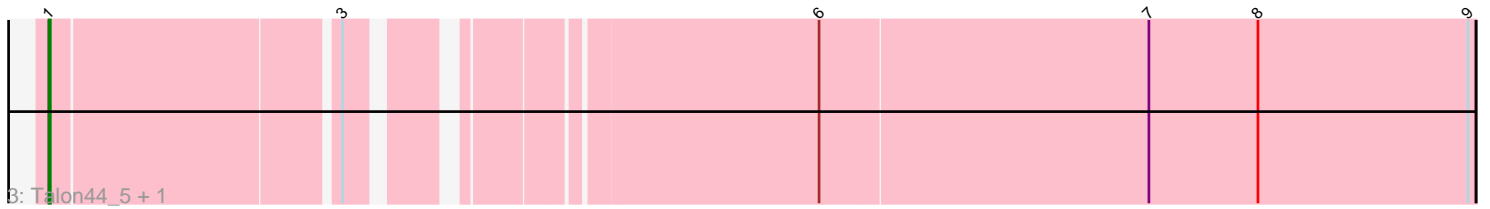
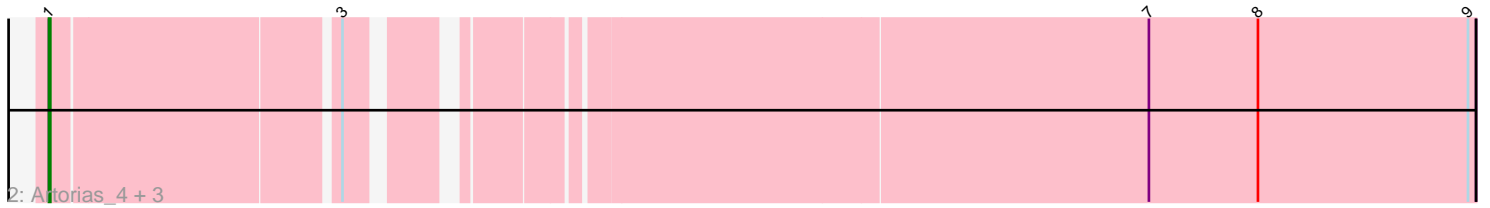
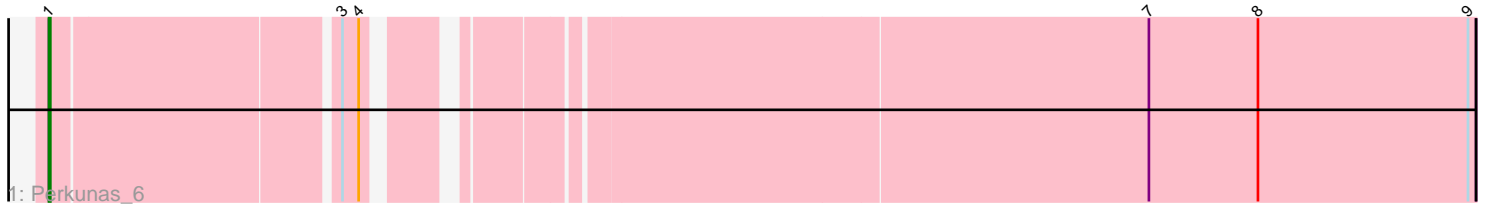


Pham 220311



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 220311 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220311 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Perkunas_6
- Track 2 : Artorias_4, FortCran_4, JulesRay_4, Trufflozitus_4
- Track 3 : Talon44_5, Captrips_4
- Track 4 : Conley_4
- Track 5 : Avazak_4
- Track 6 : Petito_5
- Track 7 : Wolfstar_41

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_4, Avazak_4, Captrips_4, Conley_4, FortCran_4, JulesRay_4, Perkunas_6, Petito_5, Talon44_5, Trufflozitus_4,

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

-

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

- Wolfstar_41,

Summary by start number:

Start 1:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_4 (DJ), Avazak_4 (DJ), Captrips_4 (DJ), Conley_4 (DJ), FortCran_4 (DJ), JulesRay_4 (DJ), Perkunas_6 (DJ), Petito_5 (DJ), Talon44_5 (DJ), Trufflozitus_4 (DJ),

Start 2:

- Found in 1 of 11 (9.1%) 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: Wolfstar_41 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, DJ,

Info for manual annotations of cluster DJ:

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

Info for manual annotations of cluster ED:

- Start number 2 was manually annotated 1 time for cluster ED.

Gene Information:

Gene: Artorias_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for Artorias_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (7, 1886), (8, 1967), (9, 2123),

Gene: Avazak_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for Avazak_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (6, 1646), (7, 1886), (9, 2123),

Gene: Captrips_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for Captrips_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (6, 1646), (7, 1886), (8, 1967), (9, 2123),

Gene: Conley_4 Start: 1146, Stop: 2129, Start Num: 1

Candidate Starts for Conley_4:

(Start: 1 @1146 has 7 MA's), (4, 1359), (7, 1887), (8, 1968), (9, 2124),

Gene: FortCran_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for FortCran_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (7, 1886), (8, 1967), (9, 2123),

Gene: JulesRay_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for JulesRay_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (7, 1886), (8, 1967), (9, 2123),

Gene: Perkunas_6 Start: 1664, Stop: 2647, Start Num: 1

Candidate Starts for Perkunas_6:

(Start: 1 @1664 has 7 MA's), (3, 1865), (4, 1877), (7, 2405), (8, 2486), (9, 2642),

Gene: Petite_5 Start: 1340, Stop: 2323, Start Num: 1

Candidate Starts for Petite_5:

(Start: 1 @1340 has 7 MA's), (4, 1553), (6, 1841), (7, 2081), (8, 2162), (9, 2318),

Gene: Talon44_5 Start: 1340, Stop: 2323, Start Num: 1

Candidate Starts for Talon44_5:

(Start: 1 @1340 has 7 MA's), (3, 1541), (6, 1841), (7, 2081), (8, 2162), (9, 2318),

Gene: Trufflozitus_4 Start: 1145, Stop: 2128, Start Num: 1

Candidate Starts for Trufflozitus_4:

(Start: 1 @1145 has 7 MA's), (3, 1346), (7, 1886), (8, 1967), (9, 2123),

Gene: Wolfstar_41 Start: 19173, Stop: 20177, Start Num: 2

Candidate Starts for Wolfstar_41:

(Start: 2 @19173 has 1 MA's), (5, 19428),