



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 131158 Report

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

Pham number 131158 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Conley_82
- Track 2 : Capybara_86, Kerry_84, Magel_86, Gravy_84, Tanis_85, Odesza_84, Gill_85, Roney_84
- Track 3 : Captrips_85
- Track 4 : Perkunas_87
- Track 5 : Artorias_86, FortCran_91, Avazak_86
- Track 6 : Petito_84

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_86, Avazak_86, Captrips_85, Capybara_86, Conley_82, FortCran_91, Gill_85, Gravy_84, Kerry_84, Magel_86, Odesza_84, Perkunas_87, Petito_84, Roney_84, Tanis_85,

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

-

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

-

Summary by start number:

Start 1:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_86 (DJ), Avazak_86 (DJ), Captrips_85 (DJ), Capybara_86 (DJ), Conley_82 (DJ), FortCran_91 (DJ), Gill_85 (DJ), Gravy_84 (DJ), Kerry_84 (DJ), Magel_86 (DJ), Odesza_84 (DJ), Perkunas_87 (DJ), Petito_84 (DJ), Roney_84 (DJ), Tanis_85 (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 10 times for cluster DJ.

Gene Information:

Gene: Artorias_86 Start: 53340, Stop: 53585, Start Num: 1

Candidate Starts for Artorias_86:

(Start: 1 @53340 has 10 MA's), (2, 53379), (3, 53427), (5, 53451), (6, 53463), (7, 53499), (8, 53502), (9, 53508),

Gene: Avazak_86 Start: 53769, Stop: 54014, Start Num: 1

Candidate Starts for Avazak_86:

(Start: 1 @53769 has 10 MA's), (2, 53808), (3, 53856), (5, 53880), (6, 53892), (7, 53928), (8, 53931), (9, 53937),

Gene: Captrips_85 Start: 52917, Stop: 53162, Start Num: 1

Candidate Starts for Captrips_85:

(Start: 1 @52917 has 10 MA's), (3, 53004), (5, 53028), (6, 53040), (7, 53076),

Gene: Capybara_86 Start: 53157, Stop: 53402, Start Num: 1

Candidate Starts for Capybara_86:

(Start: 1 @53157 has 10 MA's), (2, 53196), (5, 53268), (6, 53280), (7, 53316), (9, 53325),

Gene: Conley_82 Start: 53103, Stop: 53348, Start Num: 1

Candidate Starts for Conley_82:

(Start: 1 @53103 has 10 MA's), (2, 53142), (3, 53190), (6, 53226), (7, 53262),

Gene: FortCran_91 Start: 53340, Stop: 53585, Start Num: 1

Candidate Starts for FortCran_91:

(Start: 1 @53340 has 10 MA's), (2, 53379), (3, 53427), (5, 53451), (6, 53463), (7, 53499), (8, 53502), (9, 53508),

Gene: Gill_85 Start: 53184, Stop: 53429, Start Num: 1

Candidate Starts for Gill_85:

(Start: 1 @53184 has 10 MA's), (2, 53223), (5, 53295), (6, 53307), (7, 53343), (9, 53352),

Gene: Gravy_84 Start: 52847, Stop: 53092, Start Num: 1

Candidate Starts for Gravy_84:

(Start: 1 @52847 has 10 MA's), (2, 52886), (5, 52958), (6, 52970), (7, 53006), (9, 53015),

Gene: Kerry_84 Start: 52910, Stop: 53155, Start Num: 1

Candidate Starts for Kerry_84:

(Start: 1 @52910 has 10 MA's), (2, 52949), (5, 53021), (6, 53033), (7, 53069), (9, 53078),

Gene: Magel_86 Start: 53099, Stop: 53344, Start Num: 1

Candidate Starts for Magel_86:

(Start: 1 @53099 has 10 MA's), (2, 53138), (5, 53210), (6, 53222), (7, 53258), (9, 53267),

Gene: Odesza_84 Start: 53046, Stop: 53291, Start Num: 1

Candidate Starts for Odesza_84:

(Start: 1 @53046 has 10 MA's), (2, 53085), (5, 53157), (6, 53169), (7, 53205), (9, 53214),

Gene: Perkunas_87 Start: 52945, Stop: 53193, Start Num: 1

Candidate Starts for Perkunas_87:

(Start: 1 @52945 has 10 MA's), (2, 52987), (4, 53050), (6, 53071), (7, 53107), (8, 53110), (9, 53116),

Gene: Petito_84 Start: 54052, Stop: 54297, Start Num: 1

Candidate Starts for Petito_84:

(Start: 1 @54052 has 10 MA's), (2, 54091), (3, 54139), (6, 54175), (7, 54211), (9, 54220),

Gene: Roney_84 Start: 53209, Stop: 53454, Start Num: 1

Candidate Starts for Roney_84:

(Start: 1 @53209 has 10 MA's), (2, 53248), (5, 53320), (6, 53332), (7, 53368), (9, 53377),

Gene: Tanis_85 Start: 53029, Stop: 53274, Start Num: 1

Candidate Starts for Tanis_85:

(Start: 1 @53029 has 10 MA's), (2, 53068), (5, 53140), (6, 53152), (7, 53188), (9, 53197),