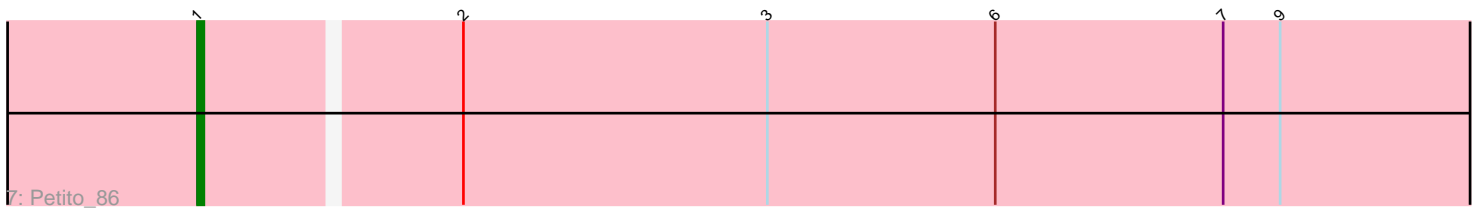
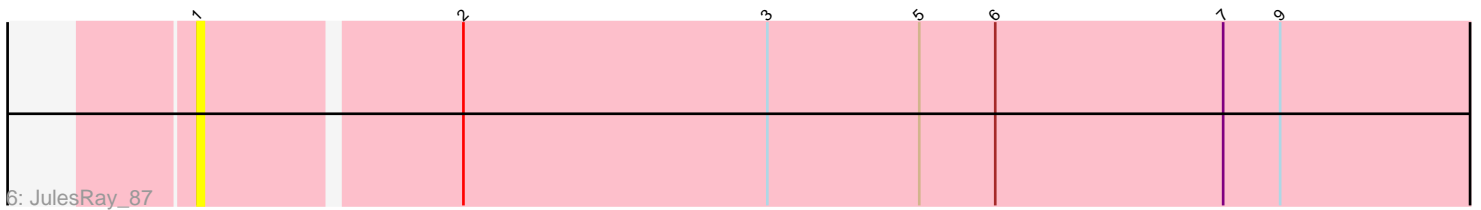
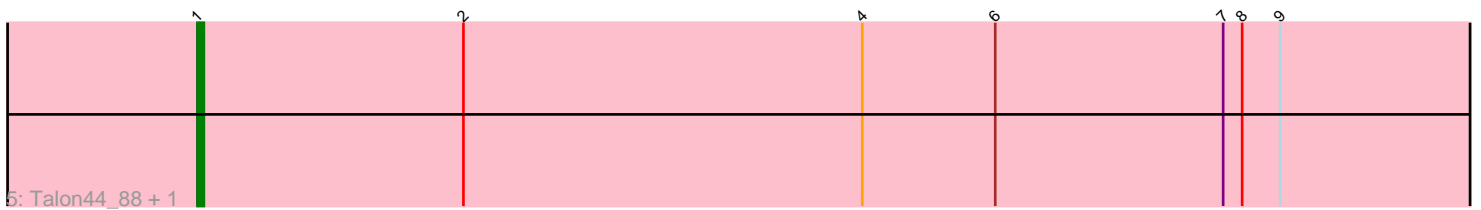
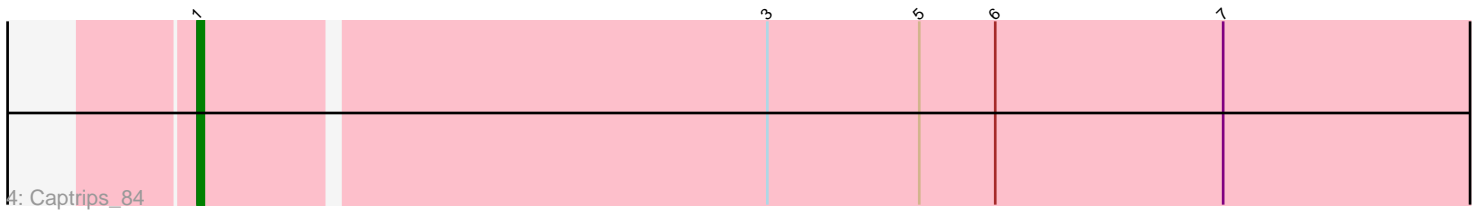
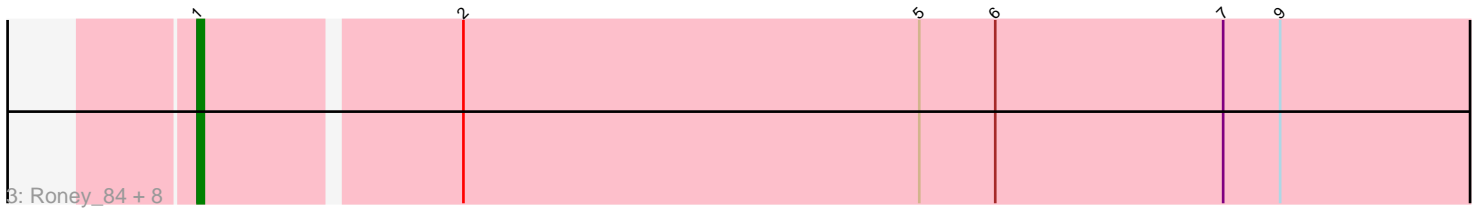
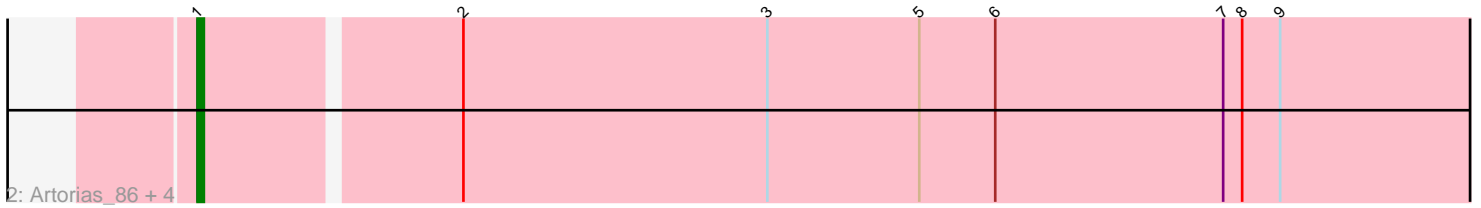
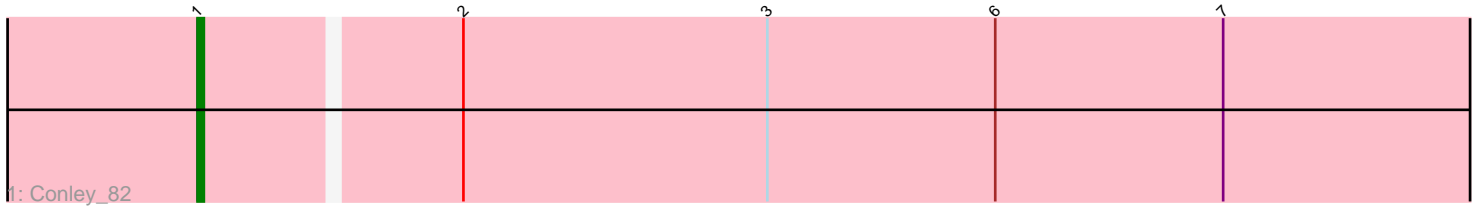


Pham 216590



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 216590 Report

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

Pham number 216590 has 20 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Conley_82
- Track 2 : Artorias_86, FortCran_86, Dancer_89, Trufflozitus_91, Avazak_86
- Track 3 : Roney_84, Cappybara_85, Magel_86, Gravy_84, Tanis_85, Odesza_84, Kerry_84, Gill_85, NoPickles_86
- Track 4 : Captrips_84
- Track 5 : Talon44_88, Perkunas_86
- Track 6 : JulesRay_87
- Track 7 : Petite_86

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias_86, Avazak_86, Captrips_84, Cappybara_85, Conley_82, Dancer_89, FortCran_86, Gill_85, Gravy_84, JulesRay_87, Kerry_84, Magel_86, NoPickles_86, Odesza_84, Perkunas_86, Petite_86, Roney_84, Talon44_88, Tanis_85, Trufflozitus_91,

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 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artorias_86 (DJ), Avazak_86 (DJ), Captrips_84 (DJ), Cappybara_85 (DJ), Conley_82 (DJ), Dancer_89 (DJ), FortCran_86

(DJ), Gill_85 (DJ), Gravy_84 (DJ), JulesRay_87 (DJ), Kerry_84 (DJ), Magel_86 (DJ), NoPickles_86 (DJ), Odesza_84 (DJ), Perkunas_86 (DJ), Petite_86 (DJ), Roney_84 (DJ), Talon44_88 (DJ), Tanis_85 (DJ), Trufflozitus_91 (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 15 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 15 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 15 MA's), (2, 53808), (3, 53856), (5, 53880), (6, 53892), (7, 53928), (8, 53931), (9, 53937),

Gene: Captrips_84 Start: 52917, Stop: 53162, Start Num: 1

Candidate Starts for Captrips_84:

(Start: 1 @52917 has 15 MA's), (3, 53004), (5, 53028), (6, 53040), (7, 53076),

Gene: Capybara_85 Start: 53157, Stop: 53402, Start Num: 1

Candidate Starts for Capybara_85:

(Start: 1 @53157 has 15 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 15 MA's), (2, 53142), (3, 53190), (6, 53226), (7, 53262),

Gene: Dancer_89 Start: 53077, Stop: 53322, Start Num: 1

Candidate Starts for Dancer_89:

(Start: 1 @53077 has 15 MA's), (2, 53116), (3, 53164), (5, 53188), (6, 53200), (7, 53236), (8, 53239), (9, 53245),

Gene: FortCran_86 Start: 53340, Stop: 53585, Start Num: 1

Candidate Starts for FortCran_86:

(Start: 1 @53340 has 15 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 15 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 15 MA's), (2, 52886), (5, 52958), (6, 52970), (7, 53006), (9, 53015),

Gene: JulesRay_87 Start: 53436, Stop: 53681, Start Num: 1

Candidate Starts for JulesRay_87:

(Start: 1 @53436 has 15 MA's), (2, 53475), (3, 53523), (5, 53547), (6, 53559), (7, 53595), (9, 53604),

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

Candidate Starts for Kerry_84:

(Start: 1 @52910 has 15 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 15 MA's), (2, 53138), (5, 53210), (6, 53222), (7, 53258), (9, 53267),

Gene: NoPickles_86 Start: 53006, Stop: 53251, Start Num: 1

Candidate Starts for NoPickles_86:

(Start: 1 @53006 has 15 MA's), (2, 53045), (5, 53117), (6, 53129), (7, 53165), (9, 53174),

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

Candidate Starts for Odesza_84:

(Start: 1 @53046 has 15 MA's), (2, 53085), (5, 53157), (6, 53169), (7, 53205), (9, 53214),

Gene: Perkunas_86 Start: 52945, Stop: 53193, Start Num: 1

Candidate Starts for Perkunas_86:

(Start: 1 @52945 has 15 MA's), (2, 52987), (4, 53050), (6, 53071), (7, 53107), (8, 53110), (9, 53116),

Gene: Petite_86 Start: 54052, Stop: 54297, Start Num: 1

Candidate Starts for Petite_86:

(Start: 1 @54052 has 15 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 15 MA's), (2, 53248), (5, 53320), (6, 53332), (7, 53368), (9, 53377),

Gene: Talon44_88 Start: 53555, Stop: 53803, Start Num: 1

Candidate Starts for Talon44_88:

(Start: 1 @53555 has 15 MA's), (2, 53597), (4, 53660), (6, 53681), (7, 53717), (8, 53720), (9, 53726),

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

Candidate Starts for Tanis_85:

(Start: 1 @53029 has 15 MA's), (2, 53068), (5, 53140), (6, 53152), (7, 53188), (9, 53197),

Gene: Trufflozitus_91 Start: 53693, Stop: 53938, Start Num: 1

Candidate Starts for Trufflozitus_91:

(Start: 1 @53693 has 15 MA's), (2, 53732), (3, 53780), (5, 53804), (6, 53816), (7, 53852), (8, 53855), (9, 53861),