Pham 284212

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 284212 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284212 has 20 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Roney_35, Tanis_35, NoPickles_35, Gill_35, Capybara_35, Magel_36
• Track 2 : Kerry_35, Gravy_35, Odesza_35
• Track 3 : Football_36, Captrips_35, JulesRay_35, Dancer_35, Bugg_36
• Track 4 : ChickyNuggy_36, Trufflozitus_38, Tairn4Wing_37
• Track 5 : FortCran_35, Artorias_35
• Track 6 : Avazak_35

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

The start number called the most often in the published annotations is 2, it was called in 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artorias_35, Bugg_36, Captrips_35, Capybara_35, ChickyNuggy_36, Dancer_35, Football_36, FortCran_35, Gill_35, JulesRay_35, Magel_36, NoPickles_35, Roney_35, Tairn4Wing_37, Tanis_35, Trufflozitus_38,

Genes that have the "Most Annotated" start but do not call it:
• Avazak_35, Gravy_35, Kerry_35, Odesza_35,

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

Summary by start number:

Start 1:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Avazak_35 (DJ), Gravy_35 (DJ), Kerry_35 (DJ), Odesza_35 (DJ),

Start 2:
• Found in 20 of 20 (100.0%) of genes in pham

• Manual Annotations of this start: 11 of 15
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Artorias_35 (DJ), Bugg_36 (DJ), Captrips_35 (DJ), Capybara_35 (DJ), ChickyNuggy_36 (DJ), Dancer_35 (DJ), Football_36 (DJ), FortCran_35 (DJ), Gill_35 (DJ), JulesRay_35 (DJ), Magel_36 (DJ), NoPickles_35 (DJ), Roney_35 (DJ), Tairn4Wing_37 (DJ), Tanis_35 (DJ), Trufflozitus_38 (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 4 times for cluster DJ.
•Start number 2 was manually annotated 11 times for cluster DJ.

Gene Information:

Gene: Artorias_35 Start: 29163, Stop: 29462, Start Num: 2
Candidate Starts for Artorias_35:
(Start: 2 @29163 has 11 MA's), (3, 29202), (4, 29205), (5, 29268), (9, 29457),

Gene: Avazak_35 Start: 29155, Stop: 29469, Start Num: 1
Candidate Starts for Avazak_35:
(Start: 1 @29155 has 4 MA's), (Start: 2 @29170 has 11 MA's), (3, 29209), (6, 29308), (7, 29311), (8, 29431), (9, 29464),

Gene: Bugg_36 Start: 29206, Stop: 29505, Start Num: 2
Candidate Starts for Bugg_36:
(Start: 1 @29191 has 4 MA's), (Start: 2 @29206 has 11 MA's), (3, 29245), (4, 29248), (5, 29311), (9, 29500),

Gene: Captrips_35 Start: 29199, Stop: 29498, Start Num: 2
Candidate Starts for Captrips_35:
(Start: 1 @29184 has 4 MA's), (Start: 2 @29199 has 11 MA's), (3, 29238), (4, 29241), (5, 29304), (9, 29493),

Gene: Capybara_35 Start: 29274, Stop: 29573, Start Num: 2
Candidate Starts for Capybara_35:
(Start: 1 @29259 has 4 MA's), (Start: 2 @29274 has 11 MA's), (3, 29313), (4, 29316), (5, 29379), (8, 29535), (9, 29568),

Gene: ChickyNuggy_36 Start: 28911, Stop: 29210, Start Num: 2
Candidate Starts for ChickyNuggy_36:
(Start: 1 @28896 has 4 MA's), (Start: 2 @28911 has 11 MA's), (3, 28950), (6, 29049), (7, 29052), (8, 29172), (9, 29205),

Gene: Dancer_35 Start: 28899, Stop: 29198, Start Num: 2
Candidate Starts for Dancer_35:
(Start: 1 @28884 has 4 MA's), (Start: 2 @28899 has 11 MA's), (3, 28938), (4, 28941), (5, 29004), (9, 29193),

Gene: Football_36 Start: 28911, Stop: 29210, Start Num: 2
Candidate Starts for Football_36:
(Start: 1 @28896 has 4 MA's), (Start: 2 @28911 has 11 MA's), (3, 28950), (4, 28953), (5, 29016), (9, 29205),

Gene: FortCran_35 Start: 29163, Stop: 29462, Start Num: 2
Candidate Starts for FortCran_35:
(Start: 2 @29163 has 11 MA's), (3, 29202), (4, 29205), (5, 29268), (9, 29457),

Gene: Gill_35 Start: 29286, Stop: 29585, Start Num: 2
Candidate Starts for Gill_35:
(Start: 1 @29271 has 4 MA's), (Start: 2 @29286 has 11 MA's), (3, 29325), (4, 29328), (5, 29391), (8, 29547), (9, 29580),

Gene: Gravy_35 Start: 29271, Stop: 29585, Start Num: 1
Candidate Starts for Gravy_35:
(Start: 1 @29271 has 4 MA's), (Start: 2 @29286 has 11 MA's), (3, 29325), (4, 29328), (5, 29391), (8, 29547), (9, 29580),

Gene: JulesRay_35 Start: 29193, Stop: 29492, Start Num: 2
Candidate Starts for JulesRay_35:
(Start: 1 @29178 has 4 MA's), (Start: 2 @29193 has 11 MA's), (3, 29232), (4, 29235), (5, 29298), (9, 29487),

Gene: Kerry_35 Start: 29271, Stop: 29585, Start Num: 1
Candidate Starts for Kerry_35:
(Start: 1 @29271 has 4 MA's), (Start: 2 @29286 has 11 MA's), (3, 29325), (4, 29328), (5, 29391), (8, 29547), (9, 29580),

Gene: Magel_36 Start: 29194, Stop: 29493, Start Num: 2
Candidate Starts for Magel_36:
(Start: 1 @29179 has 4 MA's), (Start: 2 @29194 has 11 MA's), (3, 29233), (4, 29236), (5, 29299), (8, 29455), (9, 29488),

Gene: NoPickles_35 Start: 28918, Stop: 29217, Start Num: 2
Candidate Starts for NoPickles_35:
(Start: 1 @28903 has 4 MA's), (Start: 2 @28918 has 11 MA's), (3, 28957), (4, 28960), (5, 29023), (8, 29179), (9, 29212),

Gene: Odesza_35 Start: 29271, Stop: 29585, Start Num: 1
Candidate Starts for Odesza_35:
(Start: 1 @29271 has 4 MA's), (Start: 2 @29286 has 11 MA's), (3, 29325), (4, 29328), (5, 29391), (8, 29547), (9, 29580),

Gene: Roney_35 Start: 29286, Stop: 29585, Start Num: 2
Candidate Starts for Roney_35:
(Start: 1 @29271 has 4 MA's), (Start: 2 @29286 has 11 MA's), (3, 29325), (4, 29328), (5, 29391), (8, 29547), (9, 29580),

Gene: Tairn4Wing_37 Start: 29191, Stop: 29490, Start Num: 2
Candidate Starts for Tairn4Wing_37:

(Start: 1 @29176 has 4 MA's), (Start: 2 @29191 has 11 MA's), (3, 29230), (6, 29329), (7, 29332), (8, 29452), (9, 29485),

Gene: Tanis_35 Start: 29136, Stop: 29435, Start Num: 2
Candidate Starts for Tanis_35:
(Start: 1 @29121 has 4 MA's), (Start: 2 @29136 has 11 MA's), (3, 29175), (4, 29178), (5, 29241), (8, 29397), (9, 29430),

Gene: Trufflozitus_38 Start: 29192, Stop: 29491, Start Num: 2
Candidate Starts for Trufflozitus_38:
(Start: 1 @29177 has 4 MA's), (Start: 2 @29192 has 11 MA's), (3, 29231), (6, 29330), (7, 29333), (8, 29453), (9, 29486),