Pham 207424

1: Thibault_199 + 10

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 207424 Report

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

Pham number 207424 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Thibault_199, DmpstrDiver_224, Pound_214, Gonephishing_220, Halley_227, Bombitas_209, Ariel_231, Superphikiman_223, Courthouse_228, Omega_226, Rearden_223

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_231, Bombitas_209, Courthouse_228, DmpstrDiver_224, Gonephishing_220, Halley_227, Omega_226, Pound_214, Rearden_223, Superphikiman_223, Thibault_199,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_231 (J), Bombitas_209 (J), Courthouse_228 (J), DmpstrDiver_224 (J), Gonephishing_220 (J), Halley_227 (J), Omega_226 (J), Pound_214 (J), Rearden_223 (J), Superphikiman_223 (J), Thibault_199 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 9 times for cluster J.

Gene Information:

Gene: Ariel_231 Start: 105061, Stop: 104738, Start Num: 1
Candidate Starts for Ariel_231:
(Start: 1 @105061 has 9 MA's), (2, 104929), (3, 104905), (4, 104815), (5, 104782), (6, 104773), (7, 104764),

Gene: Bombitas_209 Start: 104417, Stop: 104094, Start Num: 1
Candidate Starts for Bombitas_209:
(Start: 1 @104417 has 9 MA's), (2, 104285), (3, 104261), (4, 104171), (5, 104138), (6, 104129), (7, 104120),

Gene: Courthouse_228 Start: 105921, Stop: 105598, Start Num: 1
Candidate Starts for Courthouse_228:
(Start: 1 @105921 has 9 MA's), (2, 105789), (3, 105765), (4, 105675), (5, 105642), (6, 105633), (7, 105624),

Gene: DmpstrDiver_224 Start: 106555, Stop: 106232, Start Num: 1
Candidate Starts for DmpstrDiver_224:
(Start: 1 @106555 has 9 MA's), (2, 106423), (3, 106399), (4, 106309), (5, 106276), (6, 106267), (7, 106258),

Gene: Gonephishing_220 Start: 105314, Stop: 104991, Start Num: 1
Candidate Starts for Gonephishing_220:
(Start: 1 @105314 has 9 MA's), (2, 105182), (3, 105158), (4, 105068), (5, 105035), (6, 105026), (7, 105017),

Gene: Halley_227 Start: 106722, Stop: 106399, Start Num: 1
Candidate Starts for Halley_227:
(Start: 1 @106722 has 9 MA's), (2, 106590), (3, 106566), (4, 106476), (5, 106443), (6, 106434), (7, 106425),

Gene: Omega_226 Start: 107434, Stop: 107111, Start Num: 1
Candidate Starts for Omega_226:
(Start: 1 @107434 has 9 MA's), (2, 107302), (3, 107278), (4, 107188), (5, 107155), (6, 107146), (7, 107137),

Gene: Pound_214 Start: 105325, Stop: 105011, Start Num: 1
Candidate Starts for Pound_214:
(Start: 1 @105325 has 9 MA's), (2, 105193), (3, 105169), (4, 105088), (5, 105055), (6, 105046), (7, 105037),

Gene: Rearden_223 Start: 104471, Stop: 104148, Start Num: 1
Candidate Starts for Rearden_223:
(Start: 1 @104471 has 9 MA's), (2, 104339), (3, 104315), (4, 104225), (5, 104192), (6, 104183), (7, 104174),

Gene: Superphikiman_223 Start: 104882, Stop: 104559, Start Num: 1
Candidate Starts for Superphikiman_223:
(Start: 1 @104882 has 9 MA's), (2, 104750), (3, 104726), (4, 104636), (5, 104603), (6, 104594), (7, 104585),

Gene: Thibault_199 Start: 101860, Stop: 101537, Start Num: 1
Candidate Starts for Thibault_199:
(Start: 1 @101860 has 9 MA's), (2, 101728), (3, 101704), (4, 101614), (5, 101581), (6, 101572), (7, 101563),