Pham 344853



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 344853 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344853 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Blarby_65
• Track 2 : Dorothy_50
• Track 3 : Latretium_56
• Track 4 : RedBird_50

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

The start number called the most often in the published annotations is 22, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• RedBird_50,

Genes that have the "Most Annotated" start but do not call it:
• Dorothy_50, Latretium_56,

Genes that do not have the "Most Annotated" start:
• Blarby_65,

Summary by start number:

Start 18:
• Found in 1 of 4 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blarby_65 (F),

Start 21:
• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Latretium_56 (F1),

Start 22:

• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 33.3% of time when present
• Phage (with cluster) where this start called: RedBird_50 (F1),

Start 24:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dorothy_50 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F,

Info for manual annotations of cluster F1:
•Start number 21 was manually annotated 1 time for cluster F1.
•Start number 22 was manually annotated 1 time for cluster F1.
•Start number 24 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Blarby_65 Start: 38716, Stop: 39276, Start Num: 18
Candidate Starts for Blarby_65:
(1, 38395), (2, 38404), (3, 38434), (4, 38443), (5, 38446), (6, 38464), (7, 38485), (8, 38506), (9, 38509), (10, 38518), (11, 38521), (12, 38533), (13, 38557), (14, 38569), (15, 38608), (16, 38689), (18, 38716), (25, 38908), (26, 38935), (27, 39094), (28, 39100), (29, 39184), (30, 39229),

Gene: Dorothy_50 Start: 36735, Stop: 37178, Start Num: 24
Candidate Starts for Dorothy_50:
(17, 36600), (19, 36618), (20, 36621), (Start: 21 @36672 has 1 MA's), (Start: 22 @36717 has 1 MA's), (23, 36723), (Start: 24 @36735 has 1 MA's), (25, 36801), (26, 36828), (27, 36987), (28, 36993), (29, 37077), (30, 37131),

Gene: Latretium_56 Start: 38385, Stop: 38885, Start Num: 21
Candidate Starts for Latretium_56:
(Start: 21 @38385 has 1 MA's), (Start: 22 @38430 has 1 MA's), (23, 38436), (25, 38508), (26, 38535), (27, 38694), (28, 38700), (30, 38838),

Gene: RedBird_50 Start: 36729, Stop: 37190, Start Num: 22
Candidate Starts for RedBird_50:
(17, 36612), (19, 36630), (20, 36633), (Start: 21 @36684 has 1 MA's), (Start: 22 @36729 has 1 MA's), (23, 36735), (Start: 24 @36747 has 1 MA's), (25, 36813), (26, 36840), (27, 36999), (28, 37005), (29, 37089), (30, 37143),