Pham 198624

1: Blessica_2 + 7

2: Zebo_2 + 1

3: Ryadel_3

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 198624 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198624 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Blessica_2, Krili_2, Schuy_2, Mori_2, MadKillah_2, NiebruSaylor_2, Vorrps_2, Murai_2
• Track 2 : Zebo_2, Alkhayr_2
• Track 3 : Ryadel_3

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_2, Blessica_2, Krili_2, MadKillah_2, Mori_2, Murai_2, NiebruSaylor_2, Ryadel_3, Schuy_2, Vorrps_2, Zebo_2,

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 3:
• 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: Alkhayr_2 (O), Blessica_2 (O), Krili_2 (O), MadKillah_2 (O), Mori_2 (O), Murai_2 (O), NiebruSaylor_2 (O), Ryadel_3 (O), Schuy_2 (O), Vorrps_2 (O), Zebo_2 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 3 was manually annotated 9 times for cluster O.

Gene Information:

Gene: Alkhayr_2 Start: 589, Stop: 359, Start Num: 3
Candidate Starts for Alkhayr_2:
(1, 676), (2, 646), (Start: 3 @589 has 9 MA's), (4, 565), (5, 523), (6, 481), (7, 397), (8, 370),

Gene: Blessica_2 Start: 626, Stop: 411, Start Num: 3
Candidate Starts for Blessica_2:
(Start: 3 @626 has 9 MA's), (4, 602), (5, 560), (6, 518),

Gene: Krili_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for Krili_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: MadKillah_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for MadKillah_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: Mori_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for Mori_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: Murai_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for Murai_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: NiebruSaylor_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for NiebruSaylor_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: Ryadel_3 Start: 740, Stop: 519, Start Num: 3
Candidate Starts for Ryadel_3:
(Start: 3 @740 has 9 MA's), (4, 716), (5, 674), (6, 632), (7, 548),

Gene: Schuy_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for Schuy_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: Vorrps_2 Start: 628, Stop: 413, Start Num: 3
Candidate Starts for Vorrps_2:
(Start: 3 @628 has 9 MA's), (4, 604), (5, 562), (6, 520),

Gene: Zebo_2 Start: 589, Stop: 359, Start Num: 3
Candidate Starts for Zebo_2:
(1, 676), (2, 646), (Start: 3 @589 has 9 MA's), (4, 565), (5, 523), (6, 481), (7, 397), (8, 370),