Pham 346456


3
4
9
10
1: Pherobrine_49
4
14
2: Rickmore_44
4
5
9
14
3: AlainaMarie_47 + 1
4
5
9
14
4: EndAve_48
4
5
8
9
14
5: Citrus_47
1
2
6
7
11
12
13
6: Fazel_47
4
5
9
14
7: Luthien_48
4
5
9
14
8: Nithya_47

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 346456 Report

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

Pham number 346456 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Pherobrine_49
• Track 2 : Rickmore_44
• Track 3 : AlainaMarie_47, Chikenjars_47
• Track 4 : EndAve_48
• Track 5 : Citrus_47
• Track 6 : Fazel_47
• Track 7 : Luthien_48
• Track 8 : Nithya_47

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlainaMarie_47, Chikenjars_47, Citrus_47, EndAve_48, Nithya_47, Pherobrine_49, Rickmore_44,

Genes that have the "Most Annotated" start but do not call it:
• Luthien_48,

Genes that do not have the "Most Annotated" start:
• Fazel_47,

Summary by start number:

Start 2:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fazel_47 (DJ),

Start 4:
• Found in 8 of 9 (88.9%) of genes in pham

• Manual Annotations of this start: 7 of 9
• Called 87.5% of time when present
• Phage (with cluster) where this start called: AlainaMarie_47 (DJ), Chikenjars_47 (DJ), Citrus_47 (DJ), EndAve_48 (DJ), Nithya_47 (DJ), Pherobrine_49 (DJ), Rickmore_44 (DJ),

Start 5:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Luthien_48 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 2 was manually annotated 1 time for cluster DJ.
•Start number 4 was manually annotated 7 times for cluster DJ.
•Start number 5 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: AlainaMarie_47 Start: 34701, Stop: 34817, Start Num: 4
Candidate Starts for AlainaMarie_47:
(Start: 4 @34701 has 7 MA's), (Start: 5 @34704 has 1 MA's), (9, 34743), (14, 34785),

Gene: Chikenjars_47 Start: 34712, Stop: 34828, Start Num: 4
Candidate Starts for Chikenjars_47:
(Start: 4 @34712 has 7 MA's), (Start: 5 @34715 has 1 MA's), (9, 34754), (14, 34796),

Gene: Citrus_47 Start: 34991, Stop: 35107, Start Num: 4
Candidate Starts for Citrus_47:
(Start: 4 @34991 has 7 MA's), (Start: 5 @34994 has 1 MA's), (8, 35012), (9, 35033), (14, 35075),

Gene: EndAve_48 Start: 34881, Stop: 34997, Start Num: 4
Candidate Starts for EndAve_48:
(Start: 4 @34881 has 7 MA's), (Start: 5 @34884 has 1 MA's), (9, 34923), (14, 34965),

Gene: Fazel_47 Start: 34218, Stop: 34343, Start Num: 2
Candidate Starts for Fazel_47:
(1, 34167), (Start: 2 @34218 has 1 MA's), (6, 34236), (7, 34239), (11, 34272), (12, 34275), (13, 34281),

Gene: Luthien_48 Start: 34882, Stop: 34995, Start Num: 5
Candidate Starts for Luthien_48:
(Start: 4 @34879 has 7 MA's), (Start: 5 @34882 has 1 MA's), (9, 34921), (14, 34963),

Gene: Nithya_47 Start: 34702, Stop: 34818, Start Num: 4
Candidate Starts for Nithya_47:
(Start: 4 @34702 has 7 MA's), (Start: 5 @34705 has 1 MA's), (9, 34744), (14, 34786),

Gene: Pherobrine_49 Start: 35683, Stop: 35793, Start Num: 4
Candidate Starts for Pherobrine_49:
(3, 35680), (Start: 4 @35683 has 7 MA's), (9, 35725), (10, 35728),

Gene: Rickmore_44 Start: 32566, Stop: 32676, Start Num: 4
Candidate Starts for Rickmore_44:
(Start: 4 @32566 has 7 MA's), (14, 32650),