Pham 342839


1: Laroye_47 + 1
2: Wheelbite_48
3: Shrooms_45
4: Waltz_45
5: Salgado_49
6: ApoKipo_47
7: LiSara_47
8: Kovu_49

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 342839 Report

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

Pham number 342839 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Laroye_47, Edmundo_48
• Track 2 : Wheelbite_48
• Track 3 : Shrooms_45
• Track 4 : Waltz_45
• Track 5 : Salgado_49
• Track 6 : ApoKipo_47
• Track 7 : LiSara_47
• Track 8 : Kovu_49

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_48, Laroye_47, LiSara_47, Salgado_49, Shrooms_45, Waltz_45,

Genes that have the "Most Annotated" start but do not call it:
• Wheelbite_48,

Genes that do not have the "Most Annotated" start:
• ApoKipo_47, Kovu_49,

Summary by start number:

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ApoKipo_47 (AL), Kovu_49 (AL),

Start 6:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 6 of 9

• Called 85.7% of time when present
• Phage (with cluster) where this start called: Edmundo_48 (AL), Laroye_47 (AL), LiSara_47 (AL), Salgado_49 (AL), Shrooms_45 (AL), Waltz_45 (AL),

Start 7:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Wheelbite_48 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 2 times for cluster AL.
•Start number 6 was manually annotated 6 times for cluster AL.
•Start number 7 was manually annotated 1 time for cluster AL.

Gene Information:

Gene: ApoKipo_47 Start: 28203, Stop: 28511, Start Num: 2
Candidate Starts for ApoKipo_47:
(1, 28122), (Start: 2 @28203 has 2 MA's), (3, 28236), (4, 28245), (5, 28272), (Start: 7 @28302 has 1 MA's), (10, 28353), (12, 28410), (13, 28434), (15, 28449), (17, 28488),

Gene: Edmundo_48 Start: 29896, Stop: 30111, Start Num: 6
Candidate Starts for Edmundo_48:
(Start: 6 @29896 has 6 MA's), (Start: 7 @29902 has 1 MA's), (8, 29920), (11, 29995), (12, 30007), (13, 30034), (14, 30037), (17, 30088),

Gene: Kovu_49 Start: 28964, Stop: 29254, Start Num: 2
Candidate Starts for Kovu_49:
(Start: 2 @28964 has 2 MA's), (3, 28976), (5, 29012), (Start: 7 @29042 has 1 MA's), (9, 29075), (13, 29177), (15, 29192), (17, 29231),

Gene: Laroye_47 Start: 29359, Stop: 29574, Start Num: 6
Candidate Starts for Laroye_47:
(Start: 6 @29359 has 6 MA's), (Start: 7 @29365 has 1 MA's), (8, 29383), (11, 29458), (12, 29470), (13, 29497), (14, 29500), (17, 29551),

Gene: LiSara_47 Start: 29579, Stop: 29794, Start Num: 6
Candidate Starts for LiSara_47:
(Start: 6 @29579 has 6 MA's), (Start: 7 @29585 has 1 MA's), (8, 29603), (10, 29636), (11, 29678), (13, 29717), (17, 29771),

Gene: Salgado_49 Start: 29547, Stop: 29762, Start Num: 6
Candidate Starts for Salgado_49:
(Start: 6 @29547 has 6 MA's), (Start: 7 @29553 has 1 MA's), (8, 29571), (10, 29604), (11, 29646), (13, 29685), (16, 29715), (17, 29739),

Gene: Shrooms_45 Start: 26915, Stop: 27130, Start Num: 6
Candidate Starts for Shrooms_45:
(Start: 6 @26915 has 6 MA's), (Start: 7 @26921 has 1 MA's), (8, 26939), (11, 27014), (13, 27053), (15, 27068), (17, 27107),

Gene: Waltz_45 Start: 27096, Stop: 27311, Start Num: 6
Candidate Starts for Waltz_45:
(Start: 6 @27096 has 6 MA's), (Start: 7 @27102 has 1 MA's), (8, 27120), (11, 27195), (12, 27207), (13, 27234), (15, 27249), (17, 27288),

Gene: Wheelbite_48 Start: 29723, Stop: 29932, Start Num: 7
Candidate Starts for Wheelbite_48:
(Start: 6 @29717 has 6 MA's), (Start: 7 @29723 has 1 MA's), (8, 29741), (11, 29816), (12, 29828), (13, 29855), (14, 29858), (17, 29909),