Pham 6077

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 6077 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6077 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LiSara_60, Laroye_63, Salgado_63, Wheelbite_59
• Track 2 : Edmundo_62
• Track 3 : Kovu_61
• Track 4 : Shrooms_61
• Track 5 : Waltz_60
• Track 6 : Ottawa_38, Kharcho_38

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_62, Laroye_63, LiSara_60, Salgado_63, Wheelbite_59,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_38, Kovu_61, Ottawa_38, Shrooms_61, Waltz_60,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) 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: Kharcho_38 (FM), Ottawa_38 (FM),

Start 2:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Edmundo_62 (AL), Laroye_63 (AL), LiSara_60 (AL), Salgado_63 (AL), Wheelbite_59 (AL),

Start 3:
• Found in 3 of 10 (30.0%) 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: Kovu_61 (AL), Shrooms_61 (AL), Waltz_60 (AL),

Summary by clusters:

There are 2 clusters represented in this pham: FM, AL,

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 5 times for cluster AL.
•Start number 3 was manually annotated 2 times for cluster AL.

Info for manual annotations of cluster FM:
•Start number 1 was manually annotated 2 times for cluster FM.

Gene Information:
Gene: Edmundo_62 Start: 35011, Stop: 35157, Start Num: 2
Candidate Starts for Edmundo_62:
(Start: 2 @35011 has 5 MA's), (8, 35146),

Gene: Kharcho_38 Start: 15231, Stop: 15407, Start Num: 1
Candidate Starts for Kharcho_38:
(Start: 1 @15231 has 2 MA's), (5, 15336), (8, 15396),

Gene: Kovu_61 Start: 34296, Stop: 34448, Start Num: 3
Candidate Starts for Kovu_61:
(Start: 3 @34296 has 2 MA's), (5, 34377), (8, 34437),

Gene: Laroye_63 Start: 34401, Stop: 34547, Start Num: 2
Candidate Starts for Laroye_63:
(Start: 2 @34401 has 5 MA's), (5, 34476), (8, 34536),

Gene: LiSara_60 Start: 34563, Stop: 34709, Start Num: 2
Candidate Starts for LiSara_60:
(Start: 2 @34563 has 5 MA's), (5, 34638), (8, 34698),

Gene: Ottawa_38 Start: 15229, Stop: 15405, Start Num: 1
Candidate Starts for Ottawa_38:
(Start: 1 @15229 has 2 MA's), (5, 15334), (8, 15394),

Gene: Salgado_63 Start: 34217, Stop: 34363, Start Num: 2
Candidate Starts for Salgado_63:
(Start: 2 @34217 has 5 MA's), (5, 34292), (8, 34352),

Gene: Shrooms_61 Start: 32354, Stop: 32497, Start Num: 3
Candidate Starts for Shrooms_61:
(Start: 3 @32354 has 2 MA's), (4, 32375), (5, 32429), (6, 32438), (8, 32486),

Gene: Waltz_60 Start: 32649, Stop: 32792, Start Num: 3
Candidate Starts for Waltz_60:
(Start: 3 @32649 has 2 MA's), (4, 32670), (5, 32724), (6, 32733), (7, 32772),

Gene: Wheelbite_59 Start: 34367, Stop: 34513, Start Num: 2
Candidate Starts for Wheelbite_59:
(Start: 2 @34367 has 5 MA's), (5, 34442), (8, 34502),