Pham 153721

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 153721 Report

This analysis was run 04/05/24 on database version 557.

Pham number 153721 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LimaBean_62, Arroyo_63, Nicky22_62, AnnaLie_62, Burritobowl_64
• Track 2 : SansAfet_64, Lahqtemish_63, BabyDaisy_65
• Track 3 : Loviatar_104
• Track 4 : Dismas_60

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnnaLie_62, Arroyo_63, BabyDaisy_65, Burritobowl_64, Lahqtemish_63, LimaBean_62, Nicky22_62, SansAfet_64,

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

Genes that do not have the "Most Annotated" start:
• Dismas_60, Loviatar_104,

Summary by start number:

Start 1:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaLie_62 (EB), Arroyo_63 (EB), BabyDaisy_65 (EB), Burritobowl_64 (EB), Lahqtemish_63 (EB), LimaBean_62 (EB), Nicky22_62 (EB), SansAfet_64 (EB),

Start 2:
• Found in 1 of 10 (10.0%) 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: Dismas_60 (EB),

Start 3:
• Found in 9 of 10 (90.0%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Loviatar_104 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 8 times for cluster EB.
•Start number 2 was manually annotated 1 time for cluster EB.

Gene Information:
Gene: AnnaLie_62 Start: 39565, Stop: 39771, Start Num: 1
Candidate Starts for AnnaLie_62:
(Start: 1 @39565 has 8 MA's), (3, 39604), (4, 39631),

Gene: Arroyo_63 Start: 39867, Stop: 40070, Start Num: 1
Candidate Starts for Arroyo_63:
(Start: 1 @39867 has 8 MA's), (3, 39906), (4, 39933),

Gene: BabyDaisy_65 Start: 40375, Stop: 40581, Start Num: 1
Candidate Starts for BabyDaisy_65:
(Start: 1 @40375 has 8 MA's), (3, 40414), (4, 40441), (6, 40519),

Gene: Burritobowl_64 Start: 39393, Stop: 39599, Start Num: 1
Candidate Starts for Burritobowl_64:
(Start: 1 @39393 has 8 MA's), (3, 39432), (4, 39459),

Gene: Dismas_60 Start: 39563, Stop: 39760, Start Num: 2
Candidate Starts for Dismas_60:
(Start: 2 @39563 has 1 MA's), (4, 39623), (5, 39638),

Gene: Lahqtemish_63 Start: 40119, Stop: 40322, Start Num: 1
Candidate Starts for Lahqtemish_63:
(Start: 1 @40119 has 8 MA's), (3, 40158), (4, 40185), (6, 40263),

Gene: LimaBean_62 Start: 38787, Stop: 38993, Start Num: 1
Candidate Starts for LimaBean_62:
(Start: 1 @38787 has 8 MA's), (3, 38826), (4, 38853),

Gene: Loviatar_104 Start: 40424, Stop: 40591, Start Num: 3
Candidate Starts for Loviatar_104:
(3, 40424), (4, 40451),

Gene: Nicky22_62 Start: 39355, Stop: 39558, Start Num: 1

Candidate Starts for Nicky22_62:
(Start: 1 @39355 has 8 MA's), (3, 39394), (4, 39421),

Gene: SansAfet_64 Start: 39438, Stop: 39644, Start Num: 1
Candidate Starts for SansAfet_64:
(Start: 1 @39438 has 8 MA's), (3, 39477), (4, 39504), (6, 39582),