Pham 107047

1: Cheesy_64

2: Tribby_67

3: Hankly_63

4: NapoleonB_65 + 5

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 107047 Report

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

Pham number 107047 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cheesy_64
• Track 2 : Tribby_67
• Track 3 : Hankly_63
• Track 4 : NapoleonB_65, Kardesai_64, Benllo_65, BenitoAntonio_63, Dynamite_65, Mooshroom_65

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BenitoAntonio_63, Benllo_65, Cheesy_64, Dynamite_65, Kardesai_64, Mooshroom_65, NapoleonB_65, Tribby_67,

Genes that have the "Most Annotated" start but do not call it:
• Hankly_63,

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

Summary by start number:

Start 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Hankly_63 (AM),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 88.9% of time when present

• Phage (with cluster) where this start called: BenitoAntonio_63 (AM), Benllo_65 (AM), Cheesy_64 (AM), Dynamite_65 (AM), Kardesai_64 (AM), Mooshroom_65 (AM), NapoleonB_65 (AM), Tribby_67 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

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

Gene Information:

Gene: BenitoAntonio_63 Start: 41128, Stop: 41310, Start Num: 2
Candidate Starts for BenitoAntonio_63:
(Start: 1 @41125 has 1 MA's), (Start: 2 @41128 has 6 MA's), (3, 41143), (4, 41188), (5, 41227), (7, 41305),

Gene: Benllo_65 Start: 41806, Stop: 41988, Start Num: 2
Candidate Starts for Benllo_65:
(Start: 1 @41803 has 1 MA's), (Start: 2 @41806 has 6 MA's), (3, 41821), (4, 41866), (5, 41905), (7, 41983),

Gene: Cheesy_64 Start: 41355, Stop: 41537, Start Num: 2
Candidate Starts for Cheesy_64:
(Start: 1 @41352 has 1 MA's), (Start: 2 @41355 has 6 MA's), (3, 41370), (4, 41415), (5, 41454), (6, 41478),

Gene: Dynamite_65 Start: 41909, Stop: 42091, Start Num: 2
Candidate Starts for Dynamite_65:
(Start: 1 @41906 has 1 MA's), (Start: 2 @41909 has 6 MA's), (3, 41924), (4, 41969), (5, 42008), (7, 42086),

Gene: Hankly_63 Start: 41000, Stop: 41185, Start Num: 1
Candidate Starts for Hankly_63:
(Start: 1 @41000 has 1 MA's), (Start: 2 @41003 has 6 MA's), (3, 41018), (4, 41063), (6, 41126),

Gene: Kardesai_64 Start: 41703, Stop: 41885, Start Num: 2
Candidate Starts for Kardesai_64:
(Start: 1 @41700 has 1 MA's), (Start: 2 @41703 has 6 MA's), (3, 41718), (4, 41763), (5, 41802), (7, 41880),

Gene: Mooshroom_65 Start: 41703, Stop: 41885, Start Num: 2
Candidate Starts for Mooshroom_65:
(Start: 1 @41700 has 1 MA's), (Start: 2 @41703 has 6 MA's), (3, 41718), (4, 41763), (5, 41802), (7, 41880),

Gene: NapoleonB_65 Start: 41909, Stop: 42091, Start Num: 2
Candidate Starts for NapoleonB_65:

(Start: 1 @41906 has 1 MA's), (Start: 2 @41909 has 6 MA's), (3, 41924), (4, 41969), (5, 42008), (7, 42086),

Gene: Tribby_67 Start: 42312, Stop: 42494, Start Num: 2
Candidate Starts for Tribby_67:
(Start: 1 @42309 has 1 MA's), (Start: 2 @42312 has 6 MA's), (3, 42327), (4, 42372), (6, 42435),