Pham 106999

1: Mendokysei_60

2: Nairb_56 + 2

3: RonRayGun_57 + 2

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 106999 Report

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

Pham number 106999 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mendokysei_60
• Track 2 : Nairb_56, Bernal13_57, Whitty_56
• Track 3 : RonRayGun_57, ZenTime222_63, Ibrahim_57

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:
• Bernal13_57, Ibrahim_57, Nairb_56, RonRayGun_57, Whitty_56, ZenTime222_63,

Genes that have the "Most Annotated" start but do not call it:
• Mendokysei_60,

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

Summary by start number:

Start 1:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mendokysei_60 (T),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Bernal13_57 (T), Ibrahim_57 (T), Nairb_56 (T), RonRayGun_57 (T), Whitty_56 (T), ZenTime222_63 (T),

Summary by clusters:

There is one cluster represented in this pham: T

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

Gene Information:

Gene: Bernal13_57 Start: 40418, Stop: 40645, Start Num: 2
Candidate Starts for Bernal13_57:
(Start: 1 @40373 has 1 MA's), (Start: 2 @40418 has 6 MA's), (4, 40511), (5, 40520),

Gene: Ibrahim_57 Start: 40622, Stop: 40849, Start Num: 2
Candidate Starts for Ibrahim_57:
(Start: 2 @40622 has 6 MA's), (4, 40715), (5, 40724),

Gene: Mendokysei_60 Start: 41155, Stop: 41421, Start Num: 1
Candidate Starts for Mendokysei_60:
(Start: 1 @41155 has 1 MA's), (Start: 2 @41200 has 6 MA's), (3, 41233), (5, 41302),

Gene: Nairb_56 Start: 40418, Stop: 40645, Start Num: 2
Candidate Starts for Nairb_56:
(Start: 1 @40373 has 1 MA's), (Start: 2 @40418 has 6 MA's), (4, 40511), (5, 40520),

Gene: RonRayGun_57 Start: 40622, Stop: 40849, Start Num: 2
Candidate Starts for RonRayGun_57:
(Start: 2 @40622 has 6 MA's), (4, 40715), (5, 40724),

Gene: Whitty_56 Start: 40419, Stop: 40646, Start Num: 2
Candidate Starts for Whitty_56:
(Start: 1 @40374 has 1 MA's), (Start: 2 @40419 has 6 MA's), (4, 40512), (5, 40521),

Gene: ZenTime222_63 Start: 41370, Stop: 41597, Start Num: 2
Candidate Starts for ZenTime222_63:
(Start: 2 @41370 has 6 MA's), (4, 41463), (5, 41472),