Pham 107184

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 107184 Report

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

Pham number 107184 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nairb_52, RonRayGun_53, Whitty_52
• Track 2 : Bernal13_53
• Track 3 : Ibrahim_53, ZenTime222_52

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Nairb_52, RonRayGun_53, Whitty_52,

Genes that have the "Most Annotated" start but do not call it:
• Bernal13_53, Ibrahim_53, ZenTime222_52,

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

Summary by start number:

Start 4:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nairb_52 (T), RonRayGun_53 (T), Whitty_52 (T),

Start 5:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ibrahim_53 (T), ZenTime222_52 (T),

Start 6:

• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Bernal13_53 (T),

Summary by clusters:

There is one cluster represented in this pham: T

Info for manual annotations of cluster T:
•Start number 4 was manually annotated 3 times for cluster T.
•Start number 5 was manually annotated 2 times for cluster T.
•Start number 6 was manually annotated 1 time for cluster T.

Gene Information:
Gene: Bernal13_53 Start: 37720, Stop: 37911, Start Num: 6
Candidate Starts for Bernal13_53:
(1, 37516), (2, 37525), (3, 37624), (Start: 4 @37708 has 3 MA's), (Start: 5 @37711 has 2 MA's), (Start: 6 @37720 has 1 MA's), (7, 37774),

Gene: Ibrahim_53 Start: 38157, Stop: 38357, Start Num: 5
Candidate Starts for Ibrahim_53:
(1, 37962), (2, 37971), (3, 38070), (Start: 4 @38154 has 3 MA's), (Start: 5 @38157 has 2 MA's), (Start: 6 @38166 has 1 MA's), (7, 38220),

Gene: Nairb_52 Start: 37708, Stop: 37911, Start Num: 4
Candidate Starts for Nairb_52:
(1, 37516), (2, 37525), (3, 37624), (Start: 4 @37708 has 3 MA's), (Start: 5 @37711 has 2 MA's), (Start: 6 @37720 has 1 MA's), (7, 37774),

Gene: RonRayGun_53 Start: 38154, Stop: 38357, Start Num: 4
Candidate Starts for RonRayGun_53:
(1, 37962), (2, 37971), (3, 38070), (Start: 4 @38154 has 3 MA's), (Start: 5 @38157 has 2 MA's), (Start: 6 @38166 has 1 MA's), (7, 38220),

Gene: Whitty_52 Start: 37709, Stop: 37912, Start Num: 4
Candidate Starts for Whitty_52:
(1, 37517), (2, 37526), (3, 37625), (Start: 4 @37709 has 3 MA's), (Start: 5 @37712 has 2 MA's), (Start: 6 @37721 has 1 MA's), (7, 37775),

Gene: ZenTime222_52 Start: 37711, Stop: 37911, Start Num: 5
Candidate Starts for ZenTime222_52:
(1, 37516), (2, 37525), (3, 37624), (Start: 4 @37708 has 3 MA's), (Start: 5 @37711 has 2 MA's), (Start: 6 @37720 has 1 MA's), (7, 37774),