Pham 16028

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 16028 Report

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

Pham number 16028 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Farewell_37, Sparky_37
• Track 2 : Cashline_36
• Track 3 : BearBQ_42, MortyNRick_38

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Farewell_37, Sparky_37,

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

Genes that do not have the "Most Annotated" start:
• BearBQ_42, Cashline_36, MortyNRick_38,

Summary by start number:

Start 5:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BearBQ_42 (DN), Cashline_36 (CY), MortyNRick_38 (DN),

Start 6:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_37 (AF), Sparky_37 (AF),

Summary by clusters:

There are 3 clusters represented in this pham: DN, CY, AF,

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

Info for manual annotations of cluster CY:
•Start number 5 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster DN:
•Start number 5 was manually annotated 1 time for cluster DN.

Gene Information:

Gene: BearBQ_42 Start: 31081, Stop: 30866, Start Num: 5
Candidate Starts for BearBQ_42:
(1, 31150), (4, 31090), (Start: 5 @31081 has 2 MA's), (7, 30919), (10, 30874),

Gene: Cashline_36 Start: 29880, Stop: 29665, Start Num: 5
Candidate Starts for Cashline_36:
(4, 29889), (Start: 5 @29880 has 2 MA's), (7, 29718), (9, 29685),

Gene: Farewell_37 Start: 30853, Stop: 31062, Start Num: 6
Candidate Starts for Farewell_37:
(2, 30778), (3, 30814), (Start: 6 @30853 has 2 MA's), (7, 31009), (8, 31027),

Gene: MortyNRick_38 Start: 29774, Stop: 29559, Start Num: 5
Candidate Starts for MortyNRick_38:
(1, 29843), (4, 29783), (Start: 5 @29774 has 2 MA's), (7, 29612), (10, 29567),

Gene: Sparky_37 Start: 30889, Stop: 31098, Start Num: 6
Candidate Starts for Sparky_37:
(2, 30814), (3, 30850), (Start: 6 @30889 has 2 MA's), (7, 31045), (8, 31063),