Pham 88570

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 88570 Report

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

Pham number 88570 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hyzer_93
• Track 2 : Adora_71, Hortense_74, Twinkle_73, Shlim410_72, Howe_74

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adora_71, Hortense_74, Howe_74, Shlim410_72, Twinkle_73,

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

Genes that do not have the "Most Annotated" start:
• Hyzer_93,

Summary by start number:

Start 11:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adora_71 (CZ4), Hortense_74 (CZ4), Howe_74 (CZ4), Shlim410_72 (CZ4), Twinkle_73 (CZ4),

Start 12:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hyzer_93 (CZ1),

Summary by clusters:

There are 2 clusters represented in this pham: CZ1, CZ4,

Info for manual annotations of cluster CZ4:
•Start number 11 was manually annotated 5 times for cluster CZ4.

Gene Information:

Gene: Adora_71 Start: 48607, Stop: 48972, Start Num: 11
Candidate Starts for Adora_71:
(1, 47938), (2, 48022), (3, 48094), (4, 48355), (5, 48364), (6, 48436), (7, 48514), (8, 48517), (9, 48523), (Start: 11 @48607 has 5 MA's), (14, 48715),

Gene: Hortense_74 Start: 49962, Stop: 50327, Start Num: 11
Candidate Starts for Hortense_74:
(1, 49293), (2, 49377), (3, 49449), (4, 49710), (5, 49719), (6, 49791), (7, 49869), (8, 49872), (9, 49878), (Start: 11 @49962 has 5 MA's), (14, 50070),

Gene: Howe_74 Start: 49962, Stop: 50327, Start Num: 11
Candidate Starts for Howe_74:
(1, 49293), (2, 49377), (3, 49449), (4, 49710), (5, 49719), (6, 49791), (7, 49869), (8, 49872), (9, 49878), (Start: 11 @49962 has 5 MA's), (14, 50070),

Gene: Hyzer_93 Start: 57620, Stop: 57964, Start Num: 12
Candidate Starts for Hyzer_93:
(10, 57527), (12, 57620), (13, 57638), (14, 57707),

Gene: Shlim410_72 Start: 49962, Stop: 50327, Start Num: 11
Candidate Starts for Shlim410_72:
(1, 49293), (2, 49377), (3, 49449), (4, 49710), (5, 49719), (6, 49791), (7, 49869), (8, 49872), (9, 49878), (Start: 11 @49962 has 5 MA's), (14, 50070),

Gene: Twinkle_73 Start: 51021, Stop: 51386, Start Num: 11
Candidate Starts for Twinkle_73:
(1, 50352), (2, 50436), (3, 50508), (4, 50769), (5, 50778), (6, 50850), (7, 50928), (8, 50931), (9, 50937), (Start: 11 @51021 has 5 MA's), (14, 51129),