Pham 89535

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 89535 Report

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

Pham number 89535 has 7 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Marav_61
• Track 2 : Zainub_67, Paolo_64
• Track 3 : Pablito_58
• Track 4 : Jevington_61
• Track 5 : Hank144_63
• Track 6 : Puginator_67

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hank144_63, Pablito_58,

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

Genes that do not have the "Most Annotated" start:
• Jevington_61, Marav_61, Paolo_64, Puginator_67, Zainub_67,

Summary by start number:

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hank144_63 (BD2), Pablito_58 (BD2),

Start 4:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Jevington_61 (BD2), Marav_61 (BD2), Paolo_64 (BD2), Puginator_67 (BD2), Zainub_67 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:
•Start number 3 was manually annotated 2 times for cluster BD2.
•Start number 4 was manually annotated 1 time for cluster BD2.

Gene Information:
Gene: Hank144_63 Start: 42619, Stop: 42377, Start Num: 3
Candidate Starts for Hank144_63:
(Start: 3 @42619 has 2 MA's), (6, 42601), (7, 42595), (8, 42559), (12, 42412),

Gene: Jevington_61 Start: 40056, Stop: 39853, Start Num: 4
Candidate Starts for Jevington_61:
(1, 40200), (Start: 4 @40056 has 1 MA's), (5, 40044), (7, 40035), (9, 39990),

Gene: Marav_61 Start: 40579, Stop: 40376, Start Num: 4
Candidate Starts for Marav_61:
(Start: 4 @40579 has 1 MA's), (5, 40567), (7, 40558),

Gene: Pablito_58 Start: 40626, Stop: 40429, Start Num: 3
Candidate Starts for Pablito_58:
(2, 40647), (Start: 3 @40626 has 2 MA's), (11, 40446),

Gene: Paolo_64 Start: 41743, Stop: 41540, Start Num: 4
Candidate Starts for Paolo_64:
(Start: 4 @41743 has 1 MA's), (7, 41722),

Gene: Puginator_67 Start: 41789, Stop: 41586, Start Num: 4
Candidate Starts for Puginator_67:
(1, 41936), (Start: 4 @41789 has 1 MA's), (6, 41774), (7, 41768), (10, 41690),

Gene: Zainub_67 Start: 41718, Stop: 41515, Start Num: 4
Candidate Starts for Zainub_67:
(Start: 4 @41718 has 1 MA's), (7, 41697),