Pham 4932

1: Lambert1_52 + 1

2: Hookmount_52 + 9

3: Caviar_52

4: ResDef_53

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 4932 Report

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

Pham number 4932 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lambert1_52, Margo_52
• Track 2 : Hookmount_52, Noella_52, Popcicle_52, Panamaxus_50, Todacoro_52, Texage_51, QuinnKiro_51, Veracruz_51, Pocahontas_52, Norbert_51
• Track 3 : Caviar_52
• Track 4 : ResDef_53

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hookmount_52, Lambert1_52, Margo_52, Noella_52, Norbert_51, Panamaxus_50, Pocahontas_52, Popcicle_52, QuinnKiro_51, Texage_51, Todacoro_52, Veracruz_51,

Genes that have the "Most Annotated" start but do not call it:
• Caviar_52, ResDef_53,

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Hookmount_52 (A3), Lambert1_52 (A3), Margo_52 (A3), Noella_52 (A3), Norbert_51 (A3), Panamaxus_50 (A3), Pocahontas_52 (A3), Popcicle_52 (A3), QuinnKiro_51 (A3), Texage_51 (A3), Todacoro_52 (A3), Veracruz_51 (A3),

Start 2:

• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Caviar_52 (A3), ResDef_53 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:
•Start number 1 was manually annotated 12 times for cluster A3.
•Start number 2 was manually annotated 1 time for cluster A3.

Gene Information:
Gene: Caviar_52 Start: 36002, Stop: 35910, Start Num: 2
Candidate Starts for Caviar_52:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (3, 35981), (4, 35960),

Gene: Hookmount_52 Start: 36021, Stop: 35911, Start Num: 1
Candidate Starts for Hookmount_52:
(Start: 1 @36021 has 12 MA's), (Start: 2 @36003 has 1 MA's), (4, 35961),

Gene: Lambert1_52 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for Lambert1_52:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (3, 35981), (4, 35960),

Gene: Margo_52 Start: 36046, Stop: 35936, Start Num: 1
Candidate Starts for Margo_52:
(Start: 1 @36046 has 12 MA's), (Start: 2 @36028 has 1 MA's), (3, 36007), (4, 35986),

Gene: Noella_52 Start: 36021, Stop: 35911, Start Num: 1
Candidate Starts for Noella_52:
(Start: 1 @36021 has 12 MA's), (Start: 2 @36003 has 1 MA's), (4, 35961),

Gene: Norbert_51 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for Norbert_51:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),

Gene: Panamaxus_50 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for Panamaxus_50:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),

Gene: Pocahontas_52 Start: 36017, Stop: 35907, Start Num: 1
Candidate Starts for Pocahontas_52:
(Start: 1 @36017 has 12 MA's), (Start: 2 @35999 has 1 MA's), (4, 35957),

Gene: Popcicle_52 Start: 36017, Stop: 35907, Start Num: 1
Candidate Starts for Popcicle_52:
(Start: 1 @36017 has 12 MA's), (Start: 2 @35999 has 1 MA's), (4, 35957),

Gene: QuinnKiro_51 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for QuinnKiro_51:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),

Gene: ResDef_53 Start: 36002, Stop: 35910, Start Num: 2
Candidate Starts for ResDef_53:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),

Gene: Texage_51 Start: 36021, Stop: 35911, Start Num: 1
Candidate Starts for Texage_51:
(Start: 1 @36021 has 12 MA's), (Start: 2 @36003 has 1 MA's), (4, 35961),

Gene: Todacoro_52 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for Todacoro_52:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),

Gene: Veracruz_51 Start: 36020, Stop: 35910, Start Num: 1
Candidate Starts for Veracruz_51:
(Start: 1 @36020 has 12 MA's), (Start: 2 @36002 has 1 MA's), (4, 35960),