Pham 155192

1: Verity_49 + 3

2: APunk_50 + 1

3: Abblin_49 + 3

4: Zitch_52

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 155192 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155192 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Verity_49, Delrey21_49, DoctorFroggo_49, Zipp_50
• Track 2 : APunk_50, ViaConlectus_49
• Track 3 : Abblin_49, Natkenzie_49, Scioto_50, Sampson_49
• Track 4 : Zitch_52

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• APunk_50, Abblin_49, Delrey21_49, DoctorFroggo_49, Natkenzie_49, Sampson_49, Scioto_50, Verity_49, ViaConlectus_49, Zipp_50, Zitch_52,

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

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

Summary by start number:

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: APunk_50 (DE4), Abblin_49 (DE4), Delrey21_49 (DE4), DoctorFroggo_49 (DE4), Natkenzie_49 (DE4), Sampson_49 (DE4), Scioto_50 (DE4), Verity_49 (DE4), ViaConlectus_49 (DE4), Zipp_50 (DE4), Zitch_52 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:
•Start number 3 was manually annotated 8 times for cluster DE4.

Gene Information:

Gene: APunk_50 Start: 41636, Stop: 41869, Start Num: 3
Candidate Starts for APunk_50:
(Start: 3 @41636 has 8 MA's), (4, 41693), (5, 41744), (6, 41753),

Gene: Abblin_49 Start: 42179, Stop: 42412, Start Num: 3
Candidate Starts for Abblin_49:
(Start: 3 @42179 has 8 MA's), (4, 42236), (5, 42287), (7, 42380), (8, 42389),

Gene: Delrey21_49 Start: 42950, Stop: 43183, Start Num: 3
Candidate Starts for Delrey21_49:
(1, 42791), (2, 42818), (Start: 3 @42950 has 8 MA's), (4, 43007), (5, 43058), (6, 43067), (8, 43160),

Gene: DoctorFroggo_49 Start: 42950, Stop: 43183, Start Num: 3
Candidate Starts for DoctorFroggo_49:
(1, 42791), (2, 42818), (Start: 3 @42950 has 8 MA's), (4, 43007), (5, 43058), (6, 43067), (8, 43160),

Gene: Natkenzie_49 Start: 42179, Stop: 42412, Start Num: 3
Candidate Starts for Natkenzie_49:
(Start: 3 @42179 has 8 MA's), (4, 42236), (5, 42287), (7, 42380), (8, 42389),

Gene: Sampson_49 Start: 42124, Stop: 42357, Start Num: 3
Candidate Starts for Sampson_49:
(Start: 3 @42124 has 8 MA's), (4, 42181), (5, 42232), (7, 42325), (8, 42334),

Gene: Scioto_50 Start: 42180, Stop: 42413, Start Num: 3
Candidate Starts for Scioto_50:
(Start: 3 @42180 has 8 MA's), (4, 42237), (5, 42288), (7, 42381), (8, 42390),

Gene: Verity_49 Start: 42950, Stop: 43183, Start Num: 3
Candidate Starts for Verity_49:
(1, 42791), (2, 42818), (Start: 3 @42950 has 8 MA's), (4, 43007), (5, 43058), (6, 43067), (8, 43160),

Gene: ViaConlectus_49 Start: 40808, Stop: 41041, Start Num: 3
Candidate Starts for ViaConlectus_49:
(Start: 3 @40808 has 8 MA's), (4, 40865), (5, 40916), (6, 40925),

Gene: Zipp_50 Start: 42865, Stop: 43098, Start Num: 3
Candidate Starts for Zipp_50:
(1, 42706), (2, 42733), (Start: 3 @42865 has 8 MA's), (4, 42922), (5, 42973), (6, 42982), (8, 43075),

Gene: Zitch_52 Start: 40964, Stop: 41197, Start Num: 3
Candidate Starts for Zitch_52:
(Start: 3 @40964 has 8 MA's), (4, 41021), (5, 41072), (6, 41081), (8, 41174),