Pham 5469

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 5469 Report

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

Pham number 5469 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Brahms_21, Skylord_21, Rollins_21, Armstrong_21, Coltrane_21, Vitas_21, Bernstein_21, Clayda5_21
• Track 2 : Gack_21, Franklin22_22
• Track 3 : Eden_21

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Armstrong_21, Bernstein_21, Brahms_21, Clayda5_21, Coltrane_21, Eden_21, Franklin22_22, Gack_21, Rollins_21, Skylord_21, Vitas_21,

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: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Armstrong_21 (EB), Bernstein_21 (EB), Brahms_21 (EB), Clayda5_21 (EB), Coltrane_21 (EB), Eden_21 (EB), Franklin22_22 (EB), Gack_21 (EB), Rollins_21 (EB), Skylord_21 (EB), Vitas_21 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 3 was manually annotated 10 times for cluster EB.

Gene Information:

Gene: Armstrong_21 Start: 16719, Stop: 17096, Start Num: 3
Candidate Starts for Armstrong_21:
(Start: 3 @16719 has 10 MA's), (4, 16809), (6, 16884), (7, 16941), (9, 16986),

Gene: Bernstein_21 Start: 16774, Stop: 17151, Start Num: 3
Candidate Starts for Bernstein_21:
(Start: 3 @16774 has 10 MA's), (4, 16864), (6, 16939), (7, 16996), (9, 17041),

Gene: Brahms_21 Start: 16722, Stop: 17099, Start Num: 3
Candidate Starts for Brahms_21:
(Start: 3 @16722 has 10 MA's), (4, 16812), (6, 16887), (7, 16944), (9, 16989),

Gene: Clayda5_21 Start: 16725, Stop: 17102, Start Num: 3
Candidate Starts for Clayda5_21:
(Start: 3 @16725 has 10 MA's), (4, 16815), (6, 16890), (7, 16947), (9, 16992),

Gene: Coltrane_21 Start: 16722, Stop: 17099, Start Num: 3
Candidate Starts for Coltrane_21:
(Start: 3 @16722 has 10 MA's), (4, 16812), (6, 16887), (7, 16944), (9, 16989),

Gene: Eden_21 Start: 17001, Stop: 17378, Start Num: 3
Candidate Starts for Eden_21:
(1, 16518), (2, 16779), (Start: 3 @17001 has 10 MA's), (5, 17118), (8, 17250), (10, 17334),

Gene: Franklin22_22 Start: 17186, Stop: 17563, Start Num: 3
Candidate Starts for Franklin22_22:
(Start: 3 @17186 has 10 MA's), (5, 17303), (7, 17408),

Gene: Gack_21 Start: 17072, Stop: 17449, Start Num: 3
Candidate Starts for Gack_21:
(Start: 3 @17072 has 10 MA's), (5, 17189), (7, 17294),

Gene: Rollins_21 Start: 16774, Stop: 17151, Start Num: 3
Candidate Starts for Rollins_21:
(Start: 3 @16774 has 10 MA's), (4, 16864), (6, 16939), (7, 16996), (9, 17041),

Gene: Skylord_21 Start: 16722, Stop: 17099, Start Num: 3
Candidate Starts for Skylord_21:
(Start: 3 @16722 has 10 MA's), (4, 16812), (6, 16887), (7, 16944), (9, 16989),

Gene: Vitas_21 Start: 16714, Stop: 17091, Start Num: 3
Candidate Starts for Vitas_21:
(Start: 3 @16714 has 10 MA's), (4, 16804), (6, 16879), (7, 16936), (9, 16981),