Pham 107049

1: Che9c_31

2: Purgamenstris_34 + 5
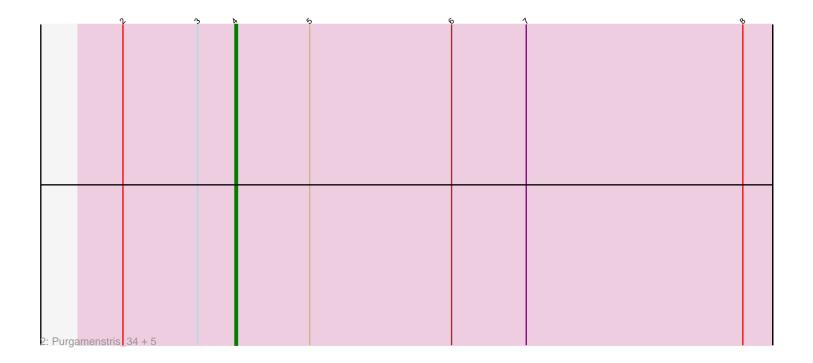
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 107049 Report

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

Pham number 107049 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Che9c_31
• Track 2 : Purgamenstris_34, BabeRuth_35, ShrimpFriedEgg_34, PhancyPhin_34, Redi_34, Nenae_34

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabeRuth_35, Nenae_34, PhancyPhin_34, Purgamenstris_34, Redi_34, ShrimpFriedEgg_34,

Genes that have the "Most Annotated" start but do not call it:
• Che9c_31,

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

Summary by start number:

Start 1:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9c_31 (I2),

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: BabeRuth_35 (N), Nenae_34 (N), PhancyPhin_34 (N), Purgamenstris_34 (N), Redi_34 (N), ShrimpFriedEgg_34 (N),

Summary by clusters:

There are 2 clusters represented in this pham: I2, N,

Info for manual annotations of cluster I2:
•Start number 1 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 4 was manually annotated 6 times for cluster N.

Gene Information:

Gene: BabeRuth_35 Start: 27429, Stop: 27214, Start Num: 4
Candidate Starts for BabeRuth_35:
(2, 27474), (3, 27444), (Start: 4 @27429 has 6 MA's), (5, 27399), (6, 27342), (7, 27312), (8, 27225),

Gene: Che9c_31 Start: 27346, Stop: 27074, Start Num: 1
Candidate Starts for Che9c_31:
(Start: 1 @27346 has 1 MA's), (2, 27334), (3, 27304), (Start: 4 @27289 has 6 MA's), (7, 27172), (8, 27085),

Gene: Nenae_34 Start: 27431, Stop: 27216, Start Num: 4
Candidate Starts for Nenae_34:
(2, 27476), (3, 27446), (Start: 4 @27431 has 6 MA's), (5, 27401), (6, 27344), (7, 27314), (8, 27227),

Gene: PhancyPhin_34 Start: 27425, Stop: 27210, Start Num: 4
Candidate Starts for PhancyPhin_34:
(2, 27470), (3, 27440), (Start: 4 @27425 has 6 MA's), (5, 27395), (6, 27338), (7, 27308), (8, 27221),

Gene: Purgamenstris_34 Start: 27428, Stop: 27213, Start Num: 4
Candidate Starts for Purgamenstris_34:
(2, 27473), (3, 27443), (Start: 4 @27428 has 6 MA's), (5, 27398), (6, 27341), (7, 27311), (8, 27224),

Gene: Redi_34 Start: 27428, Stop: 27213, Start Num: 4
Candidate Starts for Redi_34:
(2, 27473), (3, 27443), (Start: 4 @27428 has 6 MA's), (5, 27398), (6, 27341), (7, 27311), (8, 27224),

Gene: ShrimpFriedEgg_34 Start: 27428, Stop: 27213, Start Num: 4
Candidate Starts for ShrimpFriedEgg_34:
(2, 27473), (3, 27443), (Start: 4 @27428 has 6 MA's), (5, 27398), (6, 27341), (7, 27311), (8, 27224),