Pham 214917

1: Raphaella_44 + 2

2: CookieBear_46 + 1

3: AbbyDaisy_41 + 1

4: Richie_46

5: ThayneTheZag_45

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 214917 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214917 has 9 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Raphaella_44, Lawnathon_46, Globfish_44
• Track 2 : CookieBear_46, Faja_43
• Track 3 : AbbyDaisy_41, Anekin_40
• Track 4 : Richie_46
• Track 5 : ThayneTheZag_45

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CookieBear_46, Faja_43, Richie_46,

Genes that have the "Most Annotated" start but do not call it:
• Globfish_44, Lawnathon_46, Raphaella_44,

Genes that do not have the "Most Annotated" start:
• AbbyDaisy_41, Anekin_40, ThayneTheZag_45,

Summary by start number:

Start 2:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CookieBear_46 (AY), Faja_43 (AY), Richie_46 (AY),

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_41 (AY), Anekin_40 (AY),

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Globfish_44 (AY), Lawnathon_46 (AY), Raphaella_44 (AY),

Start 5:
• Found in 7 of 9 (77.8%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: ThayneTheZag_45 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

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

Gene Information:
Gene: AbbyDaisy_41 Start: 28747, Stop: 28574, Start Num: 3
Candidate Starts for AbbyDaisy_41:
(1, 28783), (Start: 3 @28747 has 2 MA's), (6, 28585),

Gene: Anekin_40 Start: 28238, Stop: 28065, Start Num: 3
Candidate Starts for Anekin_40:
(1, 28274), (Start: 3 @28238 has 2 MA's), (6, 28076),

Gene: CookieBear_46 Start: 29121, Stop: 28948, Start Num: 2
Candidate Starts for CookieBear_46:
(1, 29148), (Start: 2 @29121 has 2 MA's), (5, 29097), (6, 28959),

Gene: Faja_43 Start: 30063, Stop: 29890, Start Num: 2
Candidate Starts for Faja_43:
(1, 30090), (Start: 2 @30063 has 2 MA's), (5, 30039), (6, 29901),

Gene: Globfish_44 Start: 28766, Stop: 28602, Start Num: 4
Candidate Starts for Globfish_44:
(1, 28802), (Start: 2 @28775 has 2 MA's), (Start: 4 @28766 has 1 MA's), (5, 28751), (6, 28613),

Gene: Lawnathon_46 Start: 29174, Stop: 29010, Start Num: 4
Candidate Starts for Lawnathon_46:
(1, 29210), (Start: 2 @29183 has 2 MA's), (Start: 4 @29174 has 1 MA's), (5, 29159), (6, 29021),

Gene: Raphaella_44 Start: 28714, Stop: 28550, Start Num: 4
Candidate Starts for Raphaella_44:

(1, 28750), (Start: 2 @28723 has 2 MA's), (Start: 4 @28714 has 1 MA's), (5, 28699), (6, 28561),

Gene: Richie_46 Start: 29344, Stop: 29171, Start Num: 2
Candidate Starts for Richie_46:
(1, 29371), (Start: 2 @29344 has 2 MA's), (Start: 4 @29335 has 1 MA's), (5, 29320), (6, 29182),

Gene: ThayneTheZag_45 Start: 29022, Stop: 28873, Start Num: 5
Candidate Starts for ThayneTheZag_45:
(1, 29073), (5, 29022), (6, 28884),