Pham 106822

1: PacerPaul_41 + 5

2: Sagefire_42 + 1

3: Marsha_40

4: Wilkins_40

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 106822 Report

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

Pham number 106822 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : PacerPaul_41, Gompeii16_40, BPBiebs31_41, Bircsak_40, KBG_42, Francis47_40
• Track 2 : Sagefire_42, CactusRose_38
• Track 3 : Marsha_40
• Track 4 : Wilkins_40

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:
• BPBiebs31_41, Bircsak_40, CactusRose_38, Francis47_40, Gompeii16_40, KBG_42, Marsha_40, PacerPaul_41, Sagefire_42, Wilkins_40,

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 10 of 10 (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: BPBiebs31_41 (A1), Bircsak_40 (A1), CactusRose_38 (A1), Francis47_40 (A1), Gompeii16_40 (A1), KBG_42 (A1), Marsha_40 (A1), PacerPaul_41 (A1), Sagefire_42 (A1), Wilkins_40 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 10 times for cluster A1.

Gene Information:

Gene: BPBiebs31_41 Start: 32023, Stop: 31925, Start Num: 3
Candidate Starts for BPBiebs31_41:
(Start: 3 @32023 has 10 MA's),

Gene: Bircsak_40 Start: 32538, Stop: 32440, Start Num: 3
Candidate Starts for Bircsak_40:
(Start: 3 @32538 has 10 MA's),

Gene: CactusRose_38 Start: 31322, Stop: 31224, Start Num: 3
Candidate Starts for CactusRose_38:
(Start: 3 @31322 has 10 MA's),

Gene: Francis47_40 Start: 32787, Stop: 32689, Start Num: 3
Candidate Starts for Francis47_40:
(Start: 3 @32787 has 10 MA's),

Gene: Gompeii16_40 Start: 32539, Stop: 32441, Start Num: 3
Candidate Starts for Gompeii16_40:
(Start: 3 @32539 has 10 MA's),

Gene: KBG_42 Start: 33232, Stop: 33134, Start Num: 3
Candidate Starts for KBG_42:
(Start: 3 @33232 has 10 MA's),

Gene: Marsha_40 Start: 32851, Stop: 32753, Start Num: 3
Candidate Starts for Marsha_40:
(Start: 3 @32851 has 10 MA's),

Gene: PacerPaul_41 Start: 32154, Stop: 32056, Start Num: 3
Candidate Starts for PacerPaul_41:
(Start: 3 @32154 has 10 MA's),

Gene: Sagefire_42 Start: 32812, Stop: 32714, Start Num: 3
Candidate Starts for Sagefire_42:
(Start: 3 @32812 has 10 MA's),

Gene: Wilkins_40 Start: 31582, Stop: 31484, Start Num: 3
Candidate Starts for Wilkins_40:
(1, 31663), (2, 31654), (Start: 3 @31582 has 10 MA's),