Pham 87151

1: Pajaza_57 + 2

2: SirVictor_58 + 9

3: Kauala_55

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 87151 Report

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

Pham number 87151 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Pajaza_57, Pikmin_57, Casey_57
• Track 2 : SirVictor_58, Sinatra_57, Pherbot_56, BouleyBill_57, Lucky3_57, Guetzie_58, PrincePhergus_56, Golden_57, Bustleton_56, Koji_55
• Track 3 : Kauala_55

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

The start number called the most often in the published annotations is 1, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BouleyBill_57, Bustleton_56, Casey_57, Golden_57, Guetzie_58, Kauala_55, Koji_55, Lucky3_57, Pajaza_57, Pherbot_56, Pikmin_57, PrincePhergus_56, Sinatra_57, SirVictor_58,

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 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BouleyBill_57 (EA4), Bustleton_56 (EA4), Casey_57 (EA3), Golden_57 (EA4), Guetzie_58 (EA4), Kauala_55 (EA4), Koji_55 (EA4), Lucky3_57 (EA4), Pajaza_57 (EA3), Pherbot_56 (EA4), Pikmin_57 (EA3), PrincePhergus_56 (EA4), Sinatra_57 (EA4), SirVictor_58 (EA4),

Summary by clusters:

There are 2 clusters represented in this pham: EA3, EA4,

Info for manual annotations of cluster EA3:
•Start number 1 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:
•Start number 1 was manually annotated 10 times for cluster EA4.

Gene Information:

Gene: BouleyBill_57 Start: 38498, Stop: 38737, Start Num: 1
Candidate Starts for BouleyBill_57:
(Start: 1 @38498 has 13 MA's), (4, 38612),

Gene: Bustleton_56 Start: 38467, Stop: 38706, Start Num: 1
Candidate Starts for Bustleton_56:
(Start: 1 @38467 has 13 MA's), (4, 38581),

Gene: Casey_57 Start: 38323, Stop: 38544, Start Num: 1
Candidate Starts for Casey_57:
(Start: 1 @38323 has 13 MA's), (2, 38356), (3, 38392), (5, 38485), (6, 38491),

Gene: Golden_57 Start: 38923, Stop: 39162, Start Num: 1
Candidate Starts for Golden_57:
(Start: 1 @38923 has 13 MA's), (4, 39037),

Gene: Guetzie_58 Start: 39041, Stop: 39280, Start Num: 1
Candidate Starts for Guetzie_58:
(Start: 1 @39041 has 13 MA's), (4, 39155),

Gene: Kauala_55 Start: 38658, Stop: 38897, Start Num: 1
Candidate Starts for Kauala_55:
(Start: 1 @38658 has 13 MA's),

Gene: Koji_55 Start: 38686, Stop: 38925, Start Num: 1
Candidate Starts for Koji_55:
(Start: 1 @38686 has 13 MA's), (4, 38800),

Gene: Lucky3_57 Start: 38923, Stop: 39162, Start Num: 1
Candidate Starts for Lucky3_57:
(Start: 1 @38923 has 13 MA's), (4, 39037),

Gene: Pajaza_57 Start: 38323, Stop: 38544, Start Num: 1
Candidate Starts for Pajaza_57:
(Start: 1 @38323 has 13 MA's), (2, 38356), (3, 38392), (5, 38485), (6, 38491),

Gene: Pherbot_56 Start: 38454, Stop: 38693, Start Num: 1
Candidate Starts for Pherbot_56:
(Start: 1 @38454 has 13 MA's), (4, 38568),

Gene: Pikmin_57 Start: 38323, Stop: 38544, Start Num: 1

Candidate Starts for Pikmin_57:
(Start: 1 @38323 has 13 MA's), (2, 38356), (3, 38392), (5, 38485), (6, 38491),

Gene: PrincePhergus_56 Start: 38471, Stop: 38710, Start Num: 1
Candidate Starts for PrincePhergus_56:
(Start: 1 @38471 has 13 MA's), (4, 38585),

Gene: Sinatra_57 Start: 38466, Stop: 38705, Start Num: 1
Candidate Starts for Sinatra_57:
(Start: 1 @38466 has 13 MA's), (4, 38580),

Gene: SirVictor_58 Start: 39041, Stop: 39280, Start Num: 1
Candidate Starts for SirVictor_58:
(Start: 1 @39041 has 13 MA's), (4, 39155),