



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 04/05/24 on database version 557.

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),