



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 216744 Report

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

Pham number 216744 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Guetzie_7, BouleyBill_7, SirVictor_7, Golden_7, Lucky3_7
- Track 2 : RenegadeRaider_7, PrincePhergus_7
- Track 3 : Sinatra_7
- Track 4 : Bustleton_7, Pherbot_7
- Track 5 : Jingles_7
- Track 6 : Kauala_7

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 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BouleyBill_7, Golden_7, Guetzie_7, Jingles_7, Kauala_7, Lucky3_7, Sinatra_7, SirVictor_7,

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

- PrincePhergus_7, RenegadeRaider_7,

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

- Bustleton_7, Pherbot_7,

Summary by start number:

Start 1:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bustleton_7 (EA4), Pherbot_7 (EA4), PrincePhergus_7 (EA4), RenegadeRaider_7 (EA4),

Start 3:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 7 of 10

- Called 80.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_7 (EA4), Golden_7 (EA4), Guetzie_7 (EA4), Jingles_7 (EA4), Kauala_7 (EA4), Lucky3_7 (EA4), Sinatra_7 (EA4), SirVictor_7 (EA4),

Summary by clusters:

There is one cluster represented in this pham: EA4

Info for manual annotations of cluster EA4:

- Start number 1 was manually annotated 3 times for cluster EA4.
- Start number 3 was manually annotated 7 times for cluster EA4.

Gene Information:

Gene: BouleyBill_7 Start: 5684, Stop: 5935, Start Num: 3

Candidate Starts for BouleyBill_7:

(Start: 3 @5684 has 7 MA's),

Gene: Bustleton_7 Start: 5666, Stop: 5917, Start Num: 1

Candidate Starts for Bustleton_7:

(Start: 1 @5666 has 3 MA's), (2, 5669), (4, 5774),

Gene: Golden_7 Start: 5769, Stop: 6020, Start Num: 3

Candidate Starts for Golden_7:

(Start: 3 @5769 has 7 MA's),

Gene: Guetzie_7 Start: 5757, Stop: 6008, Start Num: 3

Candidate Starts for Guetzie_7:

(Start: 3 @5757 has 7 MA's),

Gene: Jingles_7 Start: 5674, Stop: 5934, Start Num: 3

Candidate Starts for Jingles_7:

(Start: 1 @5668 has 3 MA's), (Start: 3 @5674 has 7 MA's), (4, 5791),

Gene: Kauala_7 Start: 5674, Stop: 5934, Start Num: 3

Candidate Starts for Kauala_7:

(Start: 3 @5674 has 7 MA's),

Gene: Lucky3_7 Start: 5769, Stop: 6020, Start Num: 3

Candidate Starts for Lucky3_7:

(Start: 3 @5769 has 7 MA's),

Gene: Pherbot_7 Start: 5665, Stop: 5916, Start Num: 1

Candidate Starts for Pherbot_7:

(Start: 1 @5665 has 3 MA's), (2, 5668), (4, 5773),

Gene: PrincePhergus_7 Start: 5666, Stop: 5923, Start Num: 1

Candidate Starts for PrincePhergus_7:

(Start: 1 @5666 has 3 MA's), (Start: 3 @5672 has 7 MA's),

Gene: RenegadeRaider_7 Start: 5665, Stop: 5922, Start Num: 1
Candidate Starts for RenegadeRaider_7:
(Start: 1 @5665 has 3 MA's), (Start: 3 @5671 has 7 MA's),

Gene: Sinatra_7 Start: 5669, Stop: 5920, Start Num: 3
Candidate Starts for Sinatra_7:
(Start: 1 @5663 has 3 MA's), (Start: 3 @5669 has 7 MA's),

Gene: SirVictor_7 Start: 5757, Stop: 6008, Start Num: 3
Candidate Starts for SirVictor_7:
(Start: 3 @5757 has 7 MA's),