



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 107204 Report

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

Pham number 107204 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dorothea_94, Jordennis_95
- Track 2 : JewelBug_89, Kipper29_97
- Track 3 : EniyanLRS_162

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

The start number called the most often in the published annotations is 4, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- JewelBug_89, Kipper29_97,

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

- Dorothea_94, Jordennis_95,

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

- EniyanLRS_162,

Summary by start number:

Start 4:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JewelBug_89 (A6), Kipper29_97 (A6),

Start 5:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dorothea_94 (A6), Jordennis_95 (A6),

Start 6:

- Found in 1 of 5 (20.0%) of genes in pham

- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EniyanLRS_162 (V),

Summary by clusters:

There are 2 clusters represented in this pham: V, A6,

Info for manual annotations of cluster A6:

- Start number 4 was manually annotated 2 times for cluster A6.
- Start number 5 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster V:

- Start number 6 was manually annotated 1 time for cluster V.

Gene Information:

Gene: Dorothea_94 Start: 49889, Stop: 49743, Start Num: 5

Candidate Starts for Dorothea_94:

(1, 49964), (2, 49955), (3, 49946), (Start: 4 @49901 has 2 MA's), (Start: 5 @49889 has 1 MA's), (8, 49772),

Gene: EniyanLRS_162 Start: 76104, Stop: 75961, Start Num: 6

Candidate Starts for EniyanLRS_162:

(Start: 6 @76104 has 1 MA's), (7, 75996), (8, 75987),

Gene: JewelBug_89 Start: 47594, Stop: 47436, Start Num: 4

Candidate Starts for JewelBug_89:

(1, 47657), (2, 47648), (3, 47639), (Start: 4 @47594 has 2 MA's), (Start: 5 @47582 has 1 MA's), (8, 47465),

Gene: Jordennis_95 Start: 49486, Stop: 49340, Start Num: 5

Candidate Starts for Jordennis_95:

(1, 49561), (2, 49552), (3, 49543), (Start: 4 @49498 has 2 MA's), (Start: 5 @49486 has 1 MA's), (8, 49369),

Gene: Kipper29_97 Start: 49273, Stop: 49115, Start Num: 4

Candidate Starts for Kipper29_97:

(1, 49336), (2, 49327), (3, 49318), (Start: 4 @49273 has 2 MA's), (Start: 5 @49261 has 1 MA's), (8, 49144),