



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 222079 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222079 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Phayeta_81
- Track 2 : ForDig_73
- Track 3 : Antsirabe_57
- Track 4 : Wildcat_99, EniyanLRS_94, MaryV_99, Cosmo_97, Azrael100_96

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azrael100_96, Cosmo_97, EniyanLRS_94, MaryV_99, Wildcat_99,

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

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

- Antsirabe_57, ForDig_73, Phayeta_81,

Summary by start number:

Start 4:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ForDig_73 (B6),

Start 5:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_96 (V), Cosmo_97 (V), EniyanLRS_94 (V), MaryV_99 (V), Wildcat_99 (V),

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_57 (G5),

Start 7:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phayeta_81 (B3),

Summary by clusters:

There are 4 clusters represented in this pham: B6, B3, G5, V,

Info for manual annotations of cluster B3:

- Start number 7 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster G5:

- Start number 6 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster V:

- Start number 5 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Antsirabe_57 Start: 40829, Stop: 40999, Start Num: 6

Candidate Starts for Antsirabe_57:

(Start: 6 @40829 has 1 MA's), (8, 40865), (9, 40880),

Gene: Azrael100_96 Start: 57539, Stop: 57703, Start Num: 5

Candidate Starts for Azrael100_96:

(Start: 5 @57539 has 5 MA's),

Gene: Cosmo_97 Start: 57537, Stop: 57701, Start Num: 5

Candidate Starts for Cosmo_97:

(Start: 5 @57537 has 5 MA's),

Gene: EniyanLRS_94 Start: 57534, Stop: 57698, Start Num: 5

Candidate Starts for EniyanLRS_94:

(Start: 5 @57534 has 5 MA's),

Gene: ForDig_73 Start: 60610, Stop: 60795, Start Num: 4

Candidate Starts for ForDig_73:

(1, 60337), (2, 60406), (3, 60490), (4, 60610),

Gene: MaryV_99 Start: 57945, Stop: 58109, Start Num: 5

Candidate Starts for MaryV_99:

(Start: 5 @57945 has 5 MA's),

Gene: Phayeta_81 Start: 61099, Stop: 60911, Start Num: 7
Candidate Starts for Phayeta_81:
(Start: 7 @61099 has 1 MA's), (10, 61027),

Gene: Wildcat_99 Start: 57955, Stop: 58119, Start Num: 5
Candidate Starts for Wildcat_99:
(Start: 5 @57955 has 5 MA's),