



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 88297 Report

This analysis was run 03/30/24 on database version 556.

Pham number 88297 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Archis_33
- Track 2 : Pollux_31, Hedwig_33, Malachai_33
- Track 3 : Dolores_30
- Track 4 : Lucky10_28

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archis_33, Hedwig_33, Lucky10_28, Malachai_33, Pollux_31,

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:

- Dolores_30,

Summary by start number:

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dolores_30 (CZ4),

Start 4:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archis_33 (CV), Hedwig_33 (DB), Lucky10_28 (DH), Malachai_33 (CV), Pollux_31 (CY1),

Summary by clusters:

There are 5 clusters represented in this pham: DH, CY1, DB, CV, CZ4,

Info for manual annotations of cluster CV:

- Start number 4 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 4 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CZ4:

- Start number 3 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DB:

- Start number 4 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DH:

- Start number 4 was manually annotated 1 time for cluster DH.

Gene Information:

Gene: Archis_33 Start: 28585, Stop: 28421, Start Num: 4

Candidate Starts for Archis_33:

(2, 28657), (Start: 4 @28585 has 5 MA's), (5, 28552),

Gene: Dolores_30 Start: 25487, Stop: 25314, Start Num: 3

Candidate Starts for Dolores_30:

(1, 25631), (2, 25547), (Start: 3 @25487 has 1 MA's), (6, 25436),

Gene: Hedwig_33 Start: 28205, Stop: 28041, Start Num: 4

Candidate Starts for Hedwig_33:

(2, 28277), (Start: 4 @28205 has 5 MA's), (7, 28151),

Gene: Lucky10_28 Start: 24961, Stop: 24797, Start Num: 4

Candidate Starts for Lucky10_28:

(2, 25033), (Start: 4 @24961 has 5 MA's),

Gene: Malachai_33 Start: 28813, Stop: 28649, Start Num: 4

Candidate Starts for Malachai_33:

(2, 28885), (Start: 4 @28813 has 5 MA's), (7, 28759),

Gene: Pollux_31 Start: 27487, Stop: 27323, Start Num: 4

Candidate Starts for Pollux_31:

(2, 27559), (Start: 4 @27487 has 5 MA's), (7, 27433),