



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 27915 Report

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

Pham number 27915 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Lolly9_1, MiniLon_1
- Track 2 : Clautastrophe_1, Kingsolomon_1, Jubie_1, Nicholas_1, Snenia_1, Lumos_1, Jobypre_1, MsGreen_1
- Track 3 : Ellson_1
- Track 4 : MiniMac_1

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

Genes that call this "Most Annotated" start:

- Clautastrophe_1, Ellson_1, Jobypre_1, Jubie_1, Kingsolomon_1, Lolly9_1, Lumos_1, MiniLon_1, MiniMac_1, MsGreen_1, Nicholas_1, Snenia_1,

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 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clautastrophe_1 (L3), Ellson_1 (L3), Jobypre_1 (L3), Jubie_1 (L3), Kingsolomon_1 (L3), Lolly9_1 (L3), Lumos_1 (L3), MiniLon_1 (L3), MiniMac_1 (L3), MsGreen_1 (L3), Nicholas_1 (L3), Snenia_1 (L3),

Summary by clusters:

There is one cluster represented in this pham: L3

Info for manual annotations of cluster L3:

- Start number 1 was manually annotated 10 times for cluster L3.

Gene Information:

Gene: Clautastrophe_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Clautastrophe_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Ellson_1 Start: 84, Stop: 485, Start Num: 1

Candidate Starts for Ellson_1:

(Start: 1 @84 has 10 MA's), (2, 246), (3, 270), (4, 294), (5, 330), (6, 405), (7, 468),

Gene: Jobypre_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Jobypre_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Jubie_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Jubie_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Kingsolomon_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Kingsolomon_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Lolly9_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Lolly9_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (6, 393), (7, 456),

Gene: Lumos_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Lumos_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: MiniLon_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for MiniLon_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (6, 393), (7, 456),

Gene: MiniMac_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for MiniMac_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (5, 318), (6, 393), (7, 456),

Gene: MsGreen_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for MsGreen_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Nicholas_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Nicholas_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),

Gene: Snenia_1 Start: 84, Stop: 473, Start Num: 1

Candidate Starts for Snenia_1:

(Start: 1 @84 has 10 MA's), (2, 234), (3, 258), (4, 282), (5, 318), (6, 393),