



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 107646 Report

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

Pham number 107646 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Sebastian_76, OfUltron_76, Llama_75
- Track 2 : Ochi17_74

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Llama_75, OfUltron_76, Sebastian_76,

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

- Ochi17_74,

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

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Summary by start number:

Start 9:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Llama_75 (F1), OfUltron_76 (F1), Sebastian_76 (F1),

Start 10:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Ochi17_74 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 9 was manually annotated 3 times for cluster F1.
- Start number 10 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Llama_75 Start: 46466, Stop: 46870, Start Num: 9

Candidate Starts for Llama_75:

(1, 46241), (2, 46253), (3, 46259), (4, 46274), (5, 46307), (6, 46319), (7, 46355), (8, 46445), (Start: 9 @46466 has 3 MA's), (Start: 10 @46532 has 1 MA's), (11, 46550), (12, 46652), (13, 46745), (14, 46754), (15, 46847),

Gene: Ochi17_74 Start: 46128, Stop: 46466, Start Num: 10

Candidate Starts for Ochi17_74:

(1, 45837), (2, 45849), (3, 45855), (4, 45870), (5, 45903), (6, 45915), (7, 45951), (8, 46041), (Start: 9 @46062 has 3 MA's), (Start: 10 @46128 has 1 MA's), (11, 46146), (12, 46248), (13, 46341), (14, 46350), (15, 46443),

Gene: OfUltron_76 Start: 46611, Stop: 47015, Start Num: 9

Candidate Starts for OfUltron_76:

(1, 46386), (2, 46398), (3, 46404), (4, 46419), (5, 46452), (6, 46464), (7, 46500), (8, 46590), (Start: 9 @46611 has 3 MA's), (Start: 10 @46677 has 1 MA's), (11, 46695), (12, 46797), (13, 46890), (14, 46899), (15, 46992),

Gene: Seabastian_76 Start: 46612, Stop: 47016, Start Num: 9

Candidate Starts for Seabastian_76:

(1, 46387), (2, 46399), (3, 46405), (4, 46420), (5, 46453), (6, 46465), (7, 46501), (8, 46591), (Start: 9 @46612 has 3 MA's), (Start: 10 @46678 has 1 MA's), (11, 46696), (12, 46798), (13, 46891), (14, 46900), (15, 46993),