



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 115666 Report

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

Pham number 115666 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Tempo_73, RobinRose_74
- Track 2 : CandC_70
- Track 3 : OneinaGillian_71

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- RobinRose_74, Tempo_73,

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

- CandC_70, OneinaGillian_71,

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

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Summary by start number:

Start 1:

- Found in 4 of 4 (100.0%) 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: RobinRose_74 (EG), Tempo_73 (EG),

Start 2:

- 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: CandC_70 (EG),

Start 3:

- 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: OneinaGillian_71 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 1 was manually annotated 2 times for cluster EG.
- Start number 2 was manually annotated 1 time for cluster EG.
- Start number 3 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: CandC_70 Start: 45191, Stop: 44943, Start Num: 2

Candidate Starts for CandC_70:

(Start: 1 @45194 has 2 MA's), (Start: 2 @45191 has 1 MA's), (Start: 3 @45188 has 1 MA's), (4, 45119), (5, 45059),

Gene: OneinaGillian_71 Start: 45295, Stop: 45050, Start Num: 3

Candidate Starts for OneinaGillian_71:

(Start: 1 @45301 has 2 MA's), (Start: 2 @45298 has 1 MA's), (Start: 3 @45295 has 1 MA's), (4, 45226), (5, 45166),

Gene: RobinRose_74 Start: 45950, Stop: 45699, Start Num: 1

Candidate Starts for RobinRose_74:

(Start: 1 @45950 has 2 MA's), (Start: 2 @45947 has 1 MA's), (Start: 3 @45944 has 1 MA's), (4, 45875), (5, 45815),

Gene: Tempo_73 Start: 45890, Stop: 45639, Start Num: 1

Candidate Starts for Tempo_73:

(Start: 1 @45890 has 2 MA's), (Start: 2 @45887 has 1 MA's), (Start: 3 @45884 has 1 MA's), (4, 45815), (5, 45755),