



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 9306 Report

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

Pham number 9306 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : WaterT_66, Cassita_68, LeeroyJenkins_71
- Track 2 : Lifes_64
- Track 3 : BarnCat_65

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

Genes that call this "Most Annotated" start:

- BarnCat_65, Cassita_68, LeeroyJenkins_71, WaterT_66,

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

- Lifes_64,

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

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Summary by start number:

Start 1:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BarnCat_65 (GB), Cassita_68 (GB), LeeroyJenkins_71 (GB), WaterT_66 (GB),

Start 2:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Lifes_64 (GB),

Summary by clusters:

There is one cluster represented in this pham: GB

Info for manual annotations of cluster GB:

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

Gene Information:

Gene: BarnCat_65 Start: 38385, Stop: 38116, Start Num: 1

Candidate Starts for BarnCat_65:

(Start: 1 @38385 has 3 MA's), (Start: 2 @38352 has 1 MA's), (3, 38331), (4, 38286), (5, 38187),

Gene: Cassita_68 Start: 39161, Stop: 38892, Start Num: 1

Candidate Starts for Cassita_68:

(Start: 1 @39161 has 3 MA's), (Start: 2 @39128 has 1 MA's), (4, 39062), (5, 38963),

Gene: LeeroyJenkins_71 Start: 40249, Stop: 39980, Start Num: 1

Candidate Starts for LeeroyJenkins_71:

(Start: 1 @40249 has 3 MA's), (Start: 2 @40216 has 1 MA's), (4, 40150), (5, 40051),

Gene: Lifes_64 Start: 37060, Stop: 36824, Start Num: 2

Candidate Starts for Lifes_64:

(Start: 1 @37093 has 3 MA's), (Start: 2 @37060 has 1 MA's), (4, 36994), (5, 36895),

Gene: WaterT_66 Start: 39193, Stop: 38924, Start Num: 1

Candidate Starts for WaterT_66:

(Start: 1 @39193 has 3 MA's), (Start: 2 @39160 has 1 MA's), (4, 39094), (5, 38995),