



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 107088 Report

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

Pham number 107088 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Barriga_78, Alsfro_78
- Track 2 : Smairt_74, Aeneas_75, Perseus_70, Mule_69, PhrostyMug_72

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aeneas_75, Alsfro_78, Barriga_78, Mule_69, Perseus_70, PhrostyMug_72, Smairt_74,

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 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aeneas_75 (A1), Alsfro_78 (A1), Barriga_78 (A1), Mule_69 (A1), Perseus_70 (A1), PhrostyMug_72 (A1), Smairt_74 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 7 times for cluster A1.

Gene Information:

Gene: Aeneas_75 Start: 46778, Stop: 46296, Start Num: 1

Candidate Starts for Aeneas_75:

(Start: 1 @46778 has 7 MA's), (2, 46736), (3, 46703), (5, 46508), (6, 46499), (7, 46418), (8, 46322),

Gene: Alsfro_78 Start: 45381, Stop: 44899, Start Num: 1

Candidate Starts for Alsfro_78:

(Start: 1 @45381 has 7 MA's), (2, 45339), (3, 45306), (4, 45204), (5, 45111), (6, 45102), (7, 45021), (8, 44925),

Gene: Barriga_78 Start: 45531, Stop: 45049, Start Num: 1

Candidate Starts for Barriga_78:

(Start: 1 @45531 has 7 MA's), (2, 45489), (3, 45456), (4, 45354), (5, 45261), (6, 45252), (7, 45171), (8, 45075),

Gene: Mule_69 Start: 44151, Stop: 43669, Start Num: 1

Candidate Starts for Mule_69:

(Start: 1 @44151 has 7 MA's), (2, 44109), (3, 44076), (5, 43881), (6, 43872), (7, 43791), (8, 43695),

Gene: Perseus_70 Start: 46311, Stop: 45829, Start Num: 1

Candidate Starts for Perseus_70:

(Start: 1 @46311 has 7 MA's), (2, 46269), (3, 46236), (5, 46041), (6, 46032), (7, 45951), (8, 45855),

Gene: PhrostyMug_72 Start: 46325, Stop: 45843, Start Num: 1

Candidate Starts for PhrostyMug_72:

(Start: 1 @46325 has 7 MA's), (2, 46283), (3, 46250), (5, 46055), (6, 46046), (7, 45965), (8, 45869),

Gene: Smairt_74 Start: 47319, Stop: 46837, Start Num: 1

Candidate Starts for Smairt_74:

(Start: 1 @47319 has 7 MA's), (2, 47277), (3, 47244), (5, 47049), (6, 47040), (7, 46959), (8, 46863),