



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 106798 Report

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

Pham number 106798 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : TinyTimmy\_85, Orange\_87, MaCh\_87, Aneem\_88, Lucivia\_88, Gilberta\_85, Petersenfast\_81, Snape\_87, Mabel\_87, Flaverint\_88, Timothy\_87
- Track 2 : Bachome\_85

### ***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:

- Aneem\_88, Bachome\_85, Flaverint\_88, Gilberta\_85, Lucivia\_88, MaCh\_87, Mabel\_87, Orange\_87, Petersenfast\_81, Snape\_87, Timothy\_87, TinyTimmy\_85,

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: Aneem\_88 (A11), Bachome\_85 (A11), Flaverint\_88 (A11), Gilberta\_85 (A11), Lucivia\_88 (A11), MaCh\_87 (A11), Mabel\_87 (A11), Orange\_87 (A11), Petersenfast\_81 (A11), Snape\_87 (A11), Timothy\_87 (A11), TinyTimmy\_85 (A11),

### **Summary by clusters:**

There is one cluster represented in this pham: A11

Info for manual annotations of cluster A11:

- Start number 1 was manually annotated 10 times for cluster A11.

**Gene Information:**

Gene: Aneem\_88 Start: 47968, Stop: 47870, Start Num: 1

Candidate Starts for Aneem\_88:

(Start: 1 @47968 has 10 MA's), (2, 47884),

Gene: Bachome\_85 Start: 46851, Stop: 46753, Start Num: 1

Candidate Starts for Bachome\_85:

(Start: 1 @46851 has 10 MA's),

Gene: Flaverint\_88 Start: 47966, Stop: 47868, Start Num: 1

Candidate Starts for Flaverint\_88:

(Start: 1 @47966 has 10 MA's), (2, 47882),

Gene: Gilberta\_85 Start: 46842, Stop: 46744, Start Num: 1

Candidate Starts for Gilberta\_85:

(Start: 1 @46842 has 10 MA's), (2, 46758),

Gene: Lucivia\_88 Start: 47999, Stop: 47901, Start Num: 1

Candidate Starts for Lucivia\_88:

(Start: 1 @47999 has 10 MA's), (2, 47915),

Gene: MaCh\_87 Start: 47963, Stop: 47865, Start Num: 1

Candidate Starts for MaCh\_87:

(Start: 1 @47963 has 10 MA's), (2, 47879),

Gene: Mabel\_87 Start: 47964, Stop: 47866, Start Num: 1

Candidate Starts for Mabel\_87:

(Start: 1 @47964 has 10 MA's), (2, 47880),

Gene: Orange\_87 Start: 47518, Stop: 47420, Start Num: 1

Candidate Starts for Orange\_87:

(Start: 1 @47518 has 10 MA's), (2, 47434),

Gene: Petersenfast\_81 Start: 46399, Stop: 46301, Start Num: 1

Candidate Starts for Petersenfast\_81:

(Start: 1 @46399 has 10 MA's), (2, 46315),

Gene: Snape\_87 Start: 47507, Stop: 47409, Start Num: 1

Candidate Starts for Snape\_87:

(Start: 1 @47507 has 10 MA's), (2, 47423),

Gene: Timothy\_87 Start: 47484, Stop: 47386, Start Num: 1

Candidate Starts for Timothy\_87:

(Start: 1 @47484 has 10 MA's), (2, 47400),

Gene: TinyTimmy\_85 Start: 47213, Stop: 47115, Start Num: 1

Candidate Starts for TinyTimmy\_85:

(Start: 1 @47213 has 10 MA's), (2, 47129),