



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 107004 Report

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

Pham number 107004 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Insomnia_86, Hutc2_84, Et2Brutus_87, Salz_83, Fibonacci_87, Jabith_87, Mulciber_86, Sham4_84

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Et2Brutus_87, Fibonacci_87, Hutc2_84, Insomnia_86, Jabith_87, Mulciber_86, Salz_83, Sham4_84,

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 2:

- Found in 8 of 8 (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: Et2Brutus_87 (A11), Fibonacci_87 (A11), Hutc2_84 (A11), Insomnia_86 (A11), Jabith_87 (A11), Mulciber_86 (A11), Salz_83 (A11), Sham4_84 (A11),

Summary by clusters:

There is one cluster represented in this pham: A11

Info for manual annotations of cluster A11:

- Start number 2 was manually annotated 7 times for cluster A11.

Gene Information:

Gene: Et2Brutus_87 Start: 47813, Stop: 47655, Start Num: 2

Candidate Starts for Et2Brutus_87:

(1, 47816), (Start: 2 @47813 has 7 MA's), (3, 47711),

Gene: Fibonacci_87 Start: 47819, Stop: 47661, Start Num: 2

Candidate Starts for Fibonacci_87:

(1, 47822), (Start: 2 @47819 has 7 MA's), (3, 47717),

Gene: Hutc2_84 Start: 46703, Stop: 46545, Start Num: 2

Candidate Starts for Hutc2_84:

(1, 46706), (Start: 2 @46703 has 7 MA's), (3, 46601),

Gene: Insomnia_86 Start: 47997, Stop: 47839, Start Num: 2

Candidate Starts for Insomnia_86:

(1, 48000), (Start: 2 @47997 has 7 MA's), (3, 47895),

Gene: Jabith_87 Start: 48011, Stop: 47853, Start Num: 2

Candidate Starts for Jabith_87:

(1, 48014), (Start: 2 @48011 has 7 MA's), (3, 47909),

Gene: Mulciber_86 Start: 47816, Stop: 47658, Start Num: 2

Candidate Starts for Mulciber_86:

(1, 47819), (Start: 2 @47816 has 7 MA's), (3, 47714),

Gene: Salz_83 Start: 46625, Stop: 46467, Start Num: 2

Candidate Starts for Salz_83:

(1, 46628), (Start: 2 @46625 has 7 MA's), (3, 46523),

Gene: Sham4_84 Start: 46711, Stop: 46553, Start Num: 2

Candidate Starts for Sham4_84:

(1, 46714), (Start: 2 @46711 has 7 MA's), (3, 46609),