



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 106868 Report

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

Pham number 106868 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Cheesy_88, Xenomorph_82, Heisenberger_86, JEGGS_86, Tribby_89
- Track 2 : Dynamite_87, NapoleonB_88
- Track 3 : KeaneyLin_84, Circum_87

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cheesy_88, Circum_87, Dynamite_87, Heisenberger_86, JEGGS_86, KeaneyLin_84, NapoleonB_88, Tribby_89, Xenomorph_82,

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 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cheesy_88 (AM), Circum_87 (AM), Dynamite_87 (AM), Heisenberger_86 (AM), JEGGS_86 (AM), KeaneyLin_84 (AM), NapoleonB_88 (AM), Tribby_89 (AM), Xenomorph_82 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:

- Start number 1 was manually annotated 9 times for cluster AM.

Gene Information:

Gene: Cheesy_88 Start: 51576, Stop: 51806, Start Num: 1

Candidate Starts for Cheesy_88:

(Start: 1 @51576 has 9 MA's), (2, 51594), (3, 51681), (4, 51699), (5, 51780), (6, 51783),

Gene: Circum_87 Start: 51633, Stop: 51863, Start Num: 1

Candidate Starts for Circum_87:

(Start: 1 @51633 has 9 MA's), (2, 51651), (4, 51756), (5, 51837), (6, 51840),

Gene: Dynamite_87 Start: 51149, Stop: 51379, Start Num: 1

Candidate Starts for Dynamite_87:

(Start: 1 @51149 has 9 MA's), (4, 51272), (5, 51353),

Gene: Heisenberger_86 Start: 51041, Stop: 51271, Start Num: 1

Candidate Starts for Heisenberger_86:

(Start: 1 @51041 has 9 MA's), (2, 51059), (3, 51146), (4, 51164), (5, 51245), (6, 51248),

Gene: JEGGS_86 Start: 51120, Stop: 51350, Start Num: 1

Candidate Starts for JEGGS_86:

(Start: 1 @51120 has 9 MA's), (2, 51138), (3, 51225), (4, 51243), (5, 51324), (6, 51327),

Gene: KeaneyLin_84 Start: 50855, Stop: 51085, Start Num: 1

Candidate Starts for KeaneyLin_84:

(Start: 1 @50855 has 9 MA's), (2, 50873), (4, 50978), (5, 51059), (6, 51062),

Gene: NapoleonB_88 Start: 51149, Stop: 51379, Start Num: 1

Candidate Starts for NapoleonB_88:

(Start: 1 @51149 has 9 MA's), (4, 51272), (5, 51353),

Gene: Tribby_89 Start: 51911, Stop: 52141, Start Num: 1

Candidate Starts for Tribby_89:

(Start: 1 @51911 has 9 MA's), (2, 51929), (3, 52016), (4, 52034), (5, 52115), (6, 52118),

Gene: Xenomorph_82 Start: 51438, Stop: 51668, Start Num: 1

Candidate Starts for Xenomorph_82:

(Start: 1 @51438 has 9 MA's), (2, 51456), (3, 51543), (4, 51561), (5, 51642), (6, 51645),