



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 106991 Report

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

Pham number 106991 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Correa_68, Cheesy_70, Tribby_73
- Track 2 : Hankly_69, BenitoAntonio_68, Circum_71, Benllo_70
- Track 3 : Xenomorph_66

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:

- BenitoAntonio_68, Benllo_70, Cheesy_70, Circum_71, Correa_68, Hankly_69, Tribby_73, Xenomorph_66,

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 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: BenitoAntonio_68 (AM), Benllo_70 (AM), Cheesy_70 (AM), Circum_71 (AM), Correa_68 (AM), Hankly_69 (AM), Tribby_73 (AM), Xenomorph_66 (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 7 times for cluster AM.

Gene Information:

Gene: BenitoAntonio_68 Start: 42799, Stop: 43368, Start Num: 1

Candidate Starts for BenitoAntonio_68:

(Start: 1 @42799 has 7 MA's), (5, 43024), (6, 43027), (8, 43213), (9, 43282), (10, 43288),

Gene: Benllo_70 Start: 43477, Stop: 44046, Start Num: 1

Candidate Starts for Benllo_70:

(Start: 1 @43477 has 7 MA's), (5, 43702), (6, 43705), (8, 43891), (9, 43960), (10, 43966),

Gene: Cheesy_70 Start: 42990, Stop: 43556, Start Num: 1

Candidate Starts for Cheesy_70:

(Start: 1 @42990 has 7 MA's), (2, 43083), (3, 43176), (6, 43218), (9, 43470),

Gene: Circum_71 Start: 43567, Stop: 44136, Start Num: 1

Candidate Starts for Circum_71:

(Start: 1 @43567 has 7 MA's), (5, 43792), (6, 43795), (8, 43981), (9, 44050), (10, 44056),

Gene: Correa_68 Start: 42564, Stop: 43130, Start Num: 1

Candidate Starts for Correa_68:

(Start: 1 @42564 has 7 MA's), (2, 42657), (3, 42750), (6, 42792), (9, 43044),

Gene: Hankly_69 Start: 42648, Stop: 43217, Start Num: 1

Candidate Starts for Hankly_69:

(Start: 1 @42648 has 7 MA's), (5, 42873), (6, 42876), (8, 43062), (9, 43131), (10, 43137),

Gene: Tribby_73 Start: 43950, Stop: 44516, Start Num: 1

Candidate Starts for Tribby_73:

(Start: 1 @43950 has 7 MA's), (2, 44043), (3, 44136), (6, 44178), (9, 44430),

Gene: Xenomorph_66 Start: 43434, Stop: 44000, Start Num: 1

Candidate Starts for Xenomorph_66:

(Start: 1 @43434 has 7 MA's), (2, 43527), (3, 43620), (4, 43623), (6, 43662), (7, 43797), (9, 43914),