



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 106757 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106757 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Hankly\_98, Dynamite\_95, BenitoAntonio\_95, Correa\_92, GoCrazy\_91, Mudcat\_91, JEGGS\_96, Circum\_95, Benllo\_96, NapoleonB\_96, Kardesai\_96, Heisenberger\_96

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BenitoAntonio\_95, Benllo\_96, Circum\_95, Correa\_92, Dynamite\_95, GoCrazy\_91, Hankly\_98, Heisenberger\_96, JEGGS\_96, Kardesai\_96, Mudcat\_91, NapoleonB\_96,

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: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BenitoAntonio\_95 (AM), Benllo\_96 (AM), Circum\_95 (AM), Correa\_92 (AM), Dynamite\_95 (AM), GoCrazy\_91 (AM), Hankly\_98 (AM), Heisenberger\_96 (AM), JEGGS\_96 (AM), Kardesai\_96 (AM), Mudcat\_91 (AM), NapoleonB\_96 (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 11 times for cluster AM.

**Gene Information:**

Gene: BenitoAntonio\_95 Start: 53814, Stop: 53951, Start Num: 1

Candidate Starts for BenitoAntonio\_95:

(Start: 1 @53814 has 11 MA's), (2, 53847), (3, 53859), (4, 53913),

Gene: Benllo\_96 Start: 54652, Stop: 54789, Start Num: 1

Candidate Starts for Benllo\_96:

(Start: 1 @54652 has 11 MA's), (2, 54685), (3, 54697), (4, 54751),

Gene: Circum\_95 Start: 54178, Stop: 54315, Start Num: 1

Candidate Starts for Circum\_95:

(Start: 1 @54178 has 11 MA's), (2, 54211), (3, 54223), (4, 54277),

Gene: Correa\_92 Start: 53226, Stop: 53363, Start Num: 1

Candidate Starts for Correa\_92:

(Start: 1 @53226 has 11 MA's), (2, 53259), (3, 53271), (4, 53325),

Gene: Dynamite\_95 Start: 53670, Stop: 53807, Start Num: 1

Candidate Starts for Dynamite\_95:

(Start: 1 @53670 has 11 MA's), (2, 53703), (3, 53715), (4, 53769),

Gene: GoCrazy\_91 Start: 52634, Stop: 52771, Start Num: 1

Candidate Starts for GoCrazy\_91:

(Start: 1 @52634 has 11 MA's), (2, 52667), (3, 52679), (4, 52733),

Gene: Hankly\_98 Start: 54263, Stop: 54400, Start Num: 1

Candidate Starts for Hankly\_98:

(Start: 1 @54263 has 11 MA's), (2, 54296), (3, 54308), (4, 54362),

Gene: Heisenberger\_96 Start: 54033, Stop: 54170, Start Num: 1

Candidate Starts for Heisenberger\_96:

(Start: 1 @54033 has 11 MA's), (2, 54066), (3, 54078), (4, 54132),

Gene: JEGGS\_96 Start: 54112, Stop: 54249, Start Num: 1

Candidate Starts for JEGGS\_96:

(Start: 1 @54112 has 11 MA's), (2, 54145), (3, 54157), (4, 54211),

Gene: Kardesai\_96 Start: 53691, Stop: 53828, Start Num: 1

Candidate Starts for Kardesai\_96:

(Start: 1 @53691 has 11 MA's), (2, 53724), (3, 53736), (4, 53790),

Gene: Mudcat\_91 Start: 55268, Stop: 55405, Start Num: 1

Candidate Starts for Mudcat\_91:

(Start: 1 @55268 has 11 MA's), (2, 55301), (3, 55313), (4, 55367),

Gene: NapoleonB\_96 Start: 53670, Stop: 53807, Start Num: 1

Candidate Starts for NapoleonB\_96:

(Start: 1 @53670 has 11 MA's), (2, 53703), (3, 53715), (4, 53769),