



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 156786 Report

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

Pham number 156786 has 13 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Orwigg\_95, Scrick\_94, True\_94, Charles1\_96, Megamind20\_95, Selr12\_97, Pacifista\_96, Mcshane\_95, DirtJuice\_94, Burr\_95, Olak\_95, Slatt\_95, Andre\_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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andre\_96, Burr\_95, Charles1\_96, DirtJuice\_94, Mcshane\_95, Megamind20\_95, Olak\_95, Orwigg\_95, Pacifista\_96, Scrick\_94, Selr12\_97, Slatt\_95, True\_94,

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 13 of 13 ( 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: Andre\_96 (B1), Burr\_95 (B1), Charles1\_96 (B1), DirtJuice\_94 (B1), Mcshane\_95 (B1), Megamind20\_95 (B1), Olak\_95 (B1), Orwigg\_95 (B1), Pacifista\_96 (B1), Scrick\_94 (B1), Selr12\_97 (B1), Slatt\_95 (B1), True\_94 (B1),

### **Summary by clusters:**

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

- Start number 1 was manually annotated 7 times for cluster B1.

**Gene Information:**

Gene: Andre\_96 Start: 65668, Stop: 65477, Start Num: 1

Candidate Starts for Andre\_96:

(Start: 1 @65668 has 7 MA's), (2, 65605), (3, 65491), (4, 65482),

Gene: Burr\_95 Start: 65271, Stop: 65080, Start Num: 1

Candidate Starts for Burr\_95:

(Start: 1 @65271 has 7 MA's), (2, 65208), (3, 65094), (4, 65085),

Gene: Charles1\_96 Start: 65579, Stop: 65388, Start Num: 1

Candidate Starts for Charles1\_96:

(Start: 1 @65579 has 7 MA's), (2, 65516), (3, 65402), (4, 65393),

Gene: DirtJuice\_94 Start: 65717, Stop: 65526, Start Num: 1

Candidate Starts for DirtJuice\_94:

(Start: 1 @65717 has 7 MA's), (2, 65654), (3, 65540), (4, 65531),

Gene: Mcshane\_95 Start: 65257, Stop: 65066, Start Num: 1

Candidate Starts for Mcshane\_95:

(Start: 1 @65257 has 7 MA's), (2, 65194), (3, 65080), (4, 65071),

Gene: Megamind20\_95 Start: 65221, Stop: 65030, Start Num: 1

Candidate Starts for Megamind20\_95:

(Start: 1 @65221 has 7 MA's), (2, 65158), (3, 65044), (4, 65035),

Gene: Olak\_95 Start: 65427, Stop: 65236, Start Num: 1

Candidate Starts for Olak\_95:

(Start: 1 @65427 has 7 MA's), (2, 65364), (3, 65250), (4, 65241),

Gene: Orwigg\_95 Start: 65183, Stop: 64992, Start Num: 1

Candidate Starts for Orwigg\_95:

(Start: 1 @65183 has 7 MA's), (2, 65120), (3, 65006), (4, 64997),

Gene: Pacifista\_96 Start: 65268, Stop: 65077, Start Num: 1

Candidate Starts for Pacifista\_96:

(Start: 1 @65268 has 7 MA's), (2, 65205), (3, 65091), (4, 65082),

Gene: Scrick\_94 Start: 65252, Stop: 65061, Start Num: 1

Candidate Starts for Scrick\_94:

(Start: 1 @65252 has 7 MA's), (2, 65189), (3, 65075), (4, 65066),

Gene: Selr12\_97 Start: 65293, Stop: 65102, Start Num: 1

Candidate Starts for Selr12\_97:

(Start: 1 @65293 has 7 MA's), (2, 65230), (3, 65116), (4, 65107),

Gene: Slatt\_95 Start: 65533, Stop: 65342, Start Num: 1

Candidate Starts for Slatt\_95:

(Start: 1 @65533 has 7 MA's), (2, 65470), (3, 65356), (4, 65347),

Gene: True\_94 Start: 65251, Stop: 65060, Start Num: 1

Candidate Starts for True\_94:

(Start: 1 @65251 has 7 MA's), (2, 65188), (3, 65074), (4, 65065),