



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 87867 Report

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

Pham number 87867 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phepper\_51, Nithya\_50, EndAve\_51, Untouchable\_51, Hydrus\_52, Burley\_50, Nadmeg\_51, Crocheter\_50, OlgasClover\_51
- Track 2 : Mossy\_53
- Track 3 : Schwartz33\_51

### ***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:

- Burley\_50, Crocheter\_50, EndAve\_51, Hydrus\_52, Mossy\_53, Nadmeg\_51, Nithya\_50, OlgasClover\_51, Phepper\_51, Schwartz33\_51, Untouchable\_51,

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 11 of 11 ( 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: Burley\_50 (DJ), Crocheter\_50 (DJ), EndAve\_51 (DJ), Hydrus\_52 (DJ), Mossy\_53 (DJ), Nadmeg\_51 (DJ), Nithya\_50 (DJ), OlgasClover\_51 (DJ), Phepper\_51 (DJ), Schwartz33\_51 (DJ), Untouchable\_51 (DJ),

### **Summary by clusters:**

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 11 times for cluster DJ.

**Gene Information:**

Gene: Burley\_50 Start: 35634, Stop: 35792, Start Num: 1

Candidate Starts for Burley\_50:

(Start: 1 @35634 has 11 MA's),

Gene: Crocheter\_50 Start: 36036, Stop: 36194, Start Num: 1

Candidate Starts for Crocheter\_50:

(Start: 1 @36036 has 11 MA's),

Gene: EndAve\_51 Start: 36053, Stop: 36211, Start Num: 1

Candidate Starts for EndAve\_51:

(Start: 1 @36053 has 11 MA's),

Gene: Hydrus\_52 Start: 36808, Stop: 36966, Start Num: 1

Candidate Starts for Hydrus\_52:

(Start: 1 @36808 has 11 MA's),

Gene: Mossy\_53 Start: 37797, Stop: 37955, Start Num: 1

Candidate Starts for Mossy\_53:

(Start: 1 @37797 has 11 MA's), (3, 37836),

Gene: Nadmeg\_51 Start: 37109, Stop: 37267, Start Num: 1

Candidate Starts for Nadmeg\_51:

(Start: 1 @37109 has 11 MA's),

Gene: Nithya\_50 Start: 35874, Stop: 36032, Start Num: 1

Candidate Starts for Nithya\_50:

(Start: 1 @35874 has 11 MA's),

Gene: OlgasClover\_51 Start: 36921, Stop: 37079, Start Num: 1

Candidate Starts for OlgasClover\_51:

(Start: 1 @36921 has 11 MA's),

Gene: Phepper\_51 Start: 35930, Stop: 36088, Start Num: 1

Candidate Starts for Phepper\_51:

(Start: 1 @35930 has 11 MA's),

Gene: Schwartz33\_51 Start: 36156, Stop: 36314, Start Num: 1

Candidate Starts for Schwartz33\_51:

(Start: 1 @36156 has 11 MA's), (2, 36168),

Gene: Untouchable\_51 Start: 36290, Stop: 36448, Start Num: 1

Candidate Starts for Untouchable\_51:

(Start: 1 @36290 has 11 MA's),