



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 309952 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309952 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bhageatrice_43, Phrank15_42
- Track 2 : LeBruni_41
- Track 3 : Tiff81_40
- Track 4 : Satrap_44
- Track 5 : Zucker_61
- Track 6 : Cassini_36
- Track 7 : DillyDally_64

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bhageatrice_43, Cassini_36, DillyDally_64, LeBruni_41, Phrank15_42, Satrap_44, Tiff81_40,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Zucker_61,

Summary by start number:

Start 4:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bhageatrice_43 (AY), Cassini_36 (FN), DillyDally_64 (singleton), LeBruni_41 (AY), Phrank15_42 (AY), Satrap_44 (AY), Tiff81_40 (AY),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zucker_61 (FN),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, FN,

Info for manual annotations of cluster AY:

- Start number 4 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster FN:

- Start number 5 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Bhageatrice_43 Start: 30037, Stop: 29885, Start Num: 4

Candidate Starts for Bhageatrice_43:

(Start: 4 @30037 has 5 MA's), (8, 29920),

Gene: Cassini_36 Start: 26271, Stop: 26119, Start Num: 4

Candidate Starts for Cassini_36:

(1, 26358), (2, 26349), (3, 26316), (Start: 4 @26271 has 5 MA's),

Gene: DillyDally_64 Start: 38378, Stop: 38497, Start Num: 4

Candidate Starts for DillyDally_64:

(Start: 4 @38378 has 5 MA's), (6, 38390), (7, 38396),

Gene: LeBruni_41 Start: 27889, Stop: 27737, Start Num: 4

Candidate Starts for LeBruni_41:

(Start: 4 @27889 has 5 MA's),

Gene: Phrank15_42 Start: 27997, Stop: 27845, Start Num: 4

Candidate Starts for Phrank15_42:

(Start: 4 @27997 has 5 MA's), (8, 27880),

Gene: Satrap_44 Start: 29248, Stop: 29096, Start Num: 4

Candidate Starts for Satrap_44:

(Start: 4 @29248 has 5 MA's),

Gene: Tiff81_40 Start: 26348, Stop: 26196, Start Num: 4

Candidate Starts for Tiff81_40:

(Start: 4 @26348 has 5 MA's),

Gene: Zucker_61 Start: 35223, Stop: 35345, Start Num: 5

Candidate Starts for Zucker_61:

(Start: 5 @35223 has 1 MA's),