



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 309906 Report

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

Pham number 309906 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Simpson_63, Joemato_60
- Track 2 : Tutumahutu_61, Flutur_59
- Track 3 : Pumpkins_58
- Track 4 : TforTroy_60
- Track 5 : Lizalica_57
- Track 6 : IttyBittyPiggy_59

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Flutur_59, IttyBittyPiggy_59, Joemato_60, Lizalica_57, Pumpkins_58, Simpson_63, TforTroy_60, Tutumahutu_61,

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 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Flutur_59 (AZ), IttyBittyPiggy_59 (AZ1), Joemato_60 (AZ1), Lizalica_57 (AZ1), Pumpkins_58 (AZ1), Simpson_63 (AZ1), TforTroy_60 (AZ1), Tutumahutu_61 (AZ1),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ,

Info for manual annotations of cluster AZ1:

•Start number 3 was manually annotated 6 times for cluster AZ1.

Gene Information:

Gene: Flutur_59 Start: 40654, Stop: 40974, Start Num: 3

Candidate Starts for Flutur_59:

(Start: 3 @40654 has 6 MA's),

Gene: IttyBittyPiggy_59 Start: 38667, Stop: 38981, Start Num: 3

Candidate Starts for IttyBittyPiggy_59:

(1, 38598), (2, 38616), (Start: 3 @38667 has 6 MA's), (4, 38883),

Gene: Joemato_60 Start: 40429, Stop: 40749, Start Num: 3

Candidate Starts for Joemato_60:

(Start: 3 @40429 has 6 MA's),

Gene: Lizalica_57 Start: 39393, Stop: 39710, Start Num: 3

Candidate Starts for Lizalica_57:

(Start: 3 @39393 has 6 MA's), (4, 39612),

Gene: Pumpkins_58 Start: 40921, Stop: 41250, Start Num: 3

Candidate Starts for Pumpkins_58:

(Start: 3 @40921 has 6 MA's),

Gene: Simpson_63 Start: 40433, Stop: 40753, Start Num: 3

Candidate Starts for Simpson_63:

(Start: 3 @40433 has 6 MA's),

Gene: TforTroy_60 Start: 40602, Stop: 40919, Start Num: 3

Candidate Starts for TforTroy_60:

(Start: 3 @40602 has 6 MA's), (4, 40821),

Gene: Tutumahutu_61 Start: 40401, Stop: 40721, Start Num: 3

Candidate Starts for Tutumahutu_61:

(Start: 3 @40401 has 6 MA's),