



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 10616 Report

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

Pham number 10616 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : OldNelly_53, SoilGremlin_53, Delphidian_54
- Track 2 : Endor_54
- Track 3 : FarmerDoug_52
- Track 4 : GardenB_53
- Track 5 : Phriends_52

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Endor_54, Phriends_52,

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

- Delphidian_54, OldNelly_53, SoilGremlin_53,

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

- FarmerDoug_52, GardenB_53,

Summary by start number:

Start 2:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Endor_54 (EA1), Phriends_52 (EA1),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Delphidian_54 (EA1), FarmerDoug_52 (EA1), GardenB_53 (EA1), OldNelly_53 (EA1), SoilGremlin_53 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:

- Start number 2 was manually annotated 2 times for cluster EA1.
- Start number 3 was manually annotated 1 time for cluster EA1.

Gene Information:

Gene: Delphidian_54 Start: 37023, Stop: 36787, Start Num: 3

Candidate Starts for Delphidian_54:

(Start: 2 @37041 has 2 MA's), (Start: 3 @37023 has 1 MA's),

Gene: Endor_54 Start: 37569, Stop: 37315, Start Num: 2

Candidate Starts for Endor_54:

(Start: 2 @37569 has 2 MA's), (Start: 3 @37551 has 1 MA's), (4, 37407),

Gene: FarmerDoug_52 Start: 37080, Stop: 36844, Start Num: 3

Candidate Starts for FarmerDoug_52:

(1, 37161), (Start: 3 @37080 has 1 MA's), (4, 36936),

Gene: GardenB_53 Start: 37324, Stop: 37088, Start Num: 3

Candidate Starts for GardenB_53:

(Start: 3 @37324 has 1 MA's), (5, 37138),

Gene: OldNelly_53 Start: 37026, Stop: 36790, Start Num: 3

Candidate Starts for OldNelly_53:

(Start: 2 @37044 has 2 MA's), (Start: 3 @37026 has 1 MA's),

Gene: Phriends_52 Start: 37044, Stop: 36790, Start Num: 2

Candidate Starts for Phriends_52:

(Start: 2 @37044 has 2 MA's), (Start: 3 @37026 has 1 MA's),

Gene: SoilGremlin_53 Start: 37023, Stop: 36787, Start Num: 3

Candidate Starts for SoilGremlin_53:

(Start: 2 @37041 has 2 MA's), (Start: 3 @37023 has 1 MA's),