



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 107384 Report

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

Pham number 107384 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Florinda_50, Quico_49, Girafales_50
- Track 2 : Spikelee_47

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Florinda_50, Girafales_50, Quico_49,

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

- Spikelee_47,

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

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Summary by start number:

Start 1:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Florinda_50 (F1), Girafales_50 (F1), Quico_49 (F1),

Start 4:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Spikelee_47 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 1 was manually annotated 3 times for cluster F1.
- Start number 4 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Florinda_50 Start: 32762, Stop: 32634, Start Num: 1

Candidate Starts for Florinda_50:

(Start: 1 @32762 has 3 MA's), (2, 32759), (3, 32756), (Start: 4 @32753 has 1 MA's), (5, 32732), (6, 32708), (7, 32705), (8, 32699), (9, 32696), (10, 32651),

Gene: Girafales_50 Start: 32570, Stop: 32442, Start Num: 1

Candidate Starts for Girafales_50:

(Start: 1 @32570 has 3 MA's), (2, 32567), (3, 32564), (Start: 4 @32561 has 1 MA's), (5, 32540), (6, 32516), (7, 32513), (8, 32507), (9, 32504), (10, 32459),

Gene: Quico_49 Start: 32570, Stop: 32442, Start Num: 1

Candidate Starts for Quico_49:

(Start: 1 @32570 has 3 MA's), (2, 32567), (3, 32564), (Start: 4 @32561 has 1 MA's), (5, 32540), (6, 32516), (7, 32513), (8, 32507), (9, 32504), (10, 32459),

Gene: Spikelee_47 Start: 32700, Stop: 32581, Start Num: 4

Candidate Starts for Spikelee_47:

(Start: 1 @32709 has 3 MA's), (2, 32706), (3, 32703), (Start: 4 @32700 has 1 MA's), (5, 32679), (6, 32655), (7, 32652), (8, 32646), (9, 32643), (10, 32598),