



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 88335 Report

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

Pham number 88335 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Gambino_43, Blueberry_40, MissRona_41, Azula_41
- Track 2 : Suerte_37
- Track 3 : Horus_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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azula_41, Blueberry_40, Gambino_43, Horus_51, MissRona_41, Suerte_37,

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 6 of 6 (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: Azula_41 (CV), Blueberry_40 (CV), Gambino_43 (CV), Horus_51 (DN1), MissRona_41 (CV), Suerte_37 (CZ4),

Summary by clusters:

There are 3 clusters represented in this pham: DN1, CV, CZ4,

Info for manual annotations of cluster CV:

- Start number 1 was manually annotated 4 times for cluster CV.

Info for manual annotations of cluster CZ4:

- Start number 1 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DN1:

- Start number 1 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Azula_41 Start: 32857, Stop: 32438, Start Num: 1

Candidate Starts for Azula_41:

(Start: 1 @32857 has 6 MA's), (2, 32782), (6, 32704), (7, 32680), (10, 32617), (11, 32608), (15, 32485), (16, 32470), (17, 32467),

Gene: Blueberry_40 Start: 32857, Stop: 32438, Start Num: 1

Candidate Starts for Blueberry_40:

(Start: 1 @32857 has 6 MA's), (2, 32782), (6, 32704), (7, 32680), (10, 32617), (11, 32608), (15, 32485), (16, 32470), (17, 32467),

Gene: Gambino_43 Start: 32857, Stop: 32438, Start Num: 1

Candidate Starts for Gambino_43:

(Start: 1 @32857 has 6 MA's), (2, 32782), (6, 32704), (7, 32680), (10, 32617), (11, 32608), (15, 32485), (16, 32470), (17, 32467),

Gene: Horus_51 Start: 35361, Stop: 34921, Start Num: 1

Candidate Starts for Horus_51:

(Start: 1 @35361 has 6 MA's), (5, 35223), (8, 35160), (12, 35070),

Gene: MissRona_41 Start: 32858, Stop: 32439, Start Num: 1

Candidate Starts for MissRona_41:

(Start: 1 @32858 has 6 MA's), (2, 32783), (6, 32705), (7, 32681), (10, 32618), (11, 32609), (15, 32486), (16, 32471), (17, 32468),

Gene: Suerte_37 Start: 30682, Stop: 30266, Start Num: 1

Candidate Starts for Suerte_37:

(Start: 1 @30682 has 6 MA's), (3, 30556), (4, 30553), (6, 30529), (9, 30463), (11, 30436), (13, 30385), (14, 30322), (16, 30298),