



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 197157 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197157 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rey_21
- Track 2 : Azrael100_28, Cosmo_29, Wildcat_29, EniyanLRS_26, MaryV_29
- Track 3 : Kumao_16

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azrael100_28, Cosmo_29, EniyanLRS_26, MaryV_29, Wildcat_29,

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

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

- Kumao_16, Rey_21,

Summary by start number:

Start 1:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_16 (singleton), Rey_21 (M2),

Start 2:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_28 (V), Cosmo_29 (V), EniyanLRS_26 (V), MaryV_29 (V), Wildcat_29 (V),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, M2, V,

Info for manual annotations of cluster M2:

- Start number 1 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster V:

- Start number 2 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Azrael100_28 Start: 12267, Stop: 12920, Start Num: 2

Candidate Starts for Azrael100_28:

(Start: 2 @12267 has 5 MA's), (4, 12366), (5, 12414), (6, 12459), (8, 12561), (9, 12573), (11, 12672), (12, 12681), (13, 12765), (14, 12864),

Gene: Cosmo_29 Start: 12274, Stop: 12927, Start Num: 2

Candidate Starts for Cosmo_29:

(Start: 2 @12274 has 5 MA's), (4, 12373), (5, 12421), (6, 12466), (8, 12568), (9, 12580), (11, 12679), (12, 12688), (13, 12772), (14, 12871),

Gene: EniyanLRS_26 Start: 11965, Stop: 12621, Start Num: 2

Candidate Starts for EniyanLRS_26:

(Start: 2 @11965 has 5 MA's), (4, 12067), (5, 12115), (6, 12160), (8, 12262), (9, 12274), (11, 12373), (12, 12382), (13, 12466), (14, 12565),

Gene: Kumao_16 Start: 8489, Stop: 9151, Start Num: 1

Candidate Starts for Kumao_16:

(Start: 1 @8489 has 2 MA's), (3, 8540),

Gene: MaryV_29 Start: 12237, Stop: 12893, Start Num: 2

Candidate Starts for MaryV_29:

(Start: 2 @12237 has 5 MA's), (4, 12339), (5, 12387), (6, 12432), (8, 12534), (9, 12546), (11, 12645), (12, 12654), (13, 12738), (14, 12837),

Gene: Rey_21 Start: 9898, Stop: 10575, Start Num: 1

Candidate Starts for Rey_21:

(Start: 1 @9898 has 2 MA's), (7, 10165), (10, 10264),

Gene: Wildcat_29 Start: 12247, Stop: 12903, Start Num: 2

Candidate Starts for Wildcat_29:

(Start: 2 @12247 has 5 MA's), (4, 12349), (5, 12397), (6, 12442), (8, 12544), (9, 12556), (11, 12655), (12, 12664), (13, 12748), (14, 12847),