



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 9230 Report

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

Pham number 9230 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : EniyanLRS_153
- Track 2 : Cosmo_161, MaryV_146, Wildcat_160
- Track 3 : Azrael100_152

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

Genes that call this "Most Annotated" start:

- Cosmo_161, EniyanLRS_153, MaryV_146, Wildcat_160,

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

- Azrael100_152,

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

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Summary by start number:

Start 2:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Cosmo_161 (V), EniyanLRS_153 (V), MaryV_146 (V), Wildcat_160 (V),

Start 3:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Azrael100_152 (V),

Summary by clusters:

There is one cluster represented in this pham: V

Info for manual annotations of cluster V:

- Start number 2 was manually annotated 4 times for cluster V.
- Start number 3 was manually annotated 1 time for cluster V.

Gene Information:

Gene: Azrael100_152 Start: 72383, Stop: 72129, Start Num: 3

Candidate Starts for Azrael100_152:

(1, 72404), (Start: 2 @72398 has 4 MA's), (Start: 3 @72383 has 1 MA's), (4, 72323), (5, 72320), (6, 72260), (8, 72239), (9, 72236), (10, 72206), (11, 72173), (12, 72155),

Gene: Cosmo_161 Start: 72562, Stop: 72293, Start Num: 2

Candidate Starts for Cosmo_161:

(1, 72568), (Start: 2 @72562 has 4 MA's), (Start: 3 @72547 has 1 MA's), (4, 72487), (5, 72484), (6, 72424), (8, 72403), (9, 72400), (10, 72370), (11, 72337), (12, 72319),

Gene: EniyanLRS_153 Start: 72889, Stop: 72620, Start Num: 2

Candidate Starts for EniyanLRS_153:

(1, 72895), (Start: 2 @72889 has 4 MA's), (Start: 3 @72874 has 1 MA's), (4, 72814), (5, 72811), (6, 72751), (7, 72748), (8, 72730), (9, 72727), (10, 72697), (11, 72664), (12, 72646), (13, 72643),

Gene: MaryV_146 Start: 70739, Stop: 70470, Start Num: 2

Candidate Starts for MaryV_146:

(1, 70745), (Start: 2 @70739 has 4 MA's), (Start: 3 @70724 has 1 MA's), (4, 70664), (5, 70661), (6, 70601), (8, 70580), (9, 70577), (10, 70547), (11, 70514), (12, 70496),

Gene: Wildcat_160 Start: 72632, Stop: 72363, Start Num: 2

Candidate Starts for Wildcat_160:

(1, 72638), (Start: 2 @72632 has 4 MA's), (Start: 3 @72617 has 1 MA's), (4, 72557), (5, 72554), (6, 72494), (8, 72473), (9, 72470), (10, 72440), (11, 72407), (12, 72389),