



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 87576 Report

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

Pham number 87576 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ruchi_32
- Track 2 : Basilisk_33
- Track 3 : Vulpecula_32
- Track 4 : Brynnie_32
- Track 5 : Galaxy_32
- Track 6 : Melons_37, Lunar_37
- Track 7 : Kepler_37, Kuleana_36
- Track 8 : LittleTokyo_35

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brynnie_32, Galaxy_32, Kepler_37, Kuleana_36, LittleTokyo_35, Lunar_37, Melons_37, Ruchi_32, Vulpecula_32,

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

- Basilisk_33,

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

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Summary by start number:

Start 1:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Basilisk_33 (AS1),

Start 2:

- Found in 10 of 10 (100.0%) of genes in pham

- Manual Annotations of this start: 9 of 10
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Brynnie_32 (AS1), Galaxy_32 (AS1), Kepler_37 (AS2), Kuleana_36 (AS2), LittleTokyo_35 (AS2), Lunar_37 (AS2), Melons_37 (AS2), Ruchi_32 (AS1), Vulpecula_32 (AS1),

Summary by clusters:

There are 2 clusters represented in this pham: AS2, AS1,

Info for manual annotations of cluster AS1:

- Start number 1 was manually annotated 1 time for cluster AS1.
- Start number 2 was manually annotated 4 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 2 was manually annotated 5 times for cluster AS2.

Gene Information:

Gene: Basilisk_33 Start: 23500, Stop: 23111, Start Num: 1

Candidate Starts for Basilisk_33:

(Start: 1 @23500 has 1 MA's), (Start: 2 @23449 has 9 MA's),

Gene: Brynnie_32 Start: 23327, Stop: 22989, Start Num: 2

Candidate Starts for Brynnie_32:

(Start: 1 @23378 has 1 MA's), (Start: 2 @23327 has 9 MA's),

Gene: Galaxy_32 Start: 22737, Stop: 22399, Start Num: 2

Candidate Starts for Galaxy_32:

(Start: 1 @22788 has 1 MA's), (Start: 2 @22737 has 9 MA's), (4, 22581),

Gene: Kepler_37 Start: 23451, Stop: 23113, Start Num: 2

Candidate Starts for Kepler_37:

(Start: 2 @23451 has 9 MA's),

Gene: Kuleana_36 Start: 22886, Stop: 22551, Start Num: 2

Candidate Starts for Kuleana_36:

(Start: 2 @22886 has 9 MA's),

Gene: LittleTokyo_35 Start: 22549, Stop: 22214, Start Num: 2

Candidate Starts for LittleTokyo_35:

(Start: 2 @22549 has 9 MA's), (5, 22324),

Gene: Lunar_37 Start: 23370, Stop: 23032, Start Num: 2

Candidate Starts for Lunar_37:

(Start: 2 @23370 has 9 MA's),

Gene: Melons_37 Start: 23186, Stop: 22848, Start Num: 2

Candidate Starts for Melons_37:

(Start: 2 @23186 has 9 MA's),

Gene: Ruchi_32 Start: 23395, Stop: 23057, Start Num: 2

Candidate Starts for Ruchi_32:

(Start: 1 @23446 has 1 MA's), (Start: 2 @23395 has 9 MA's), (3, 23257),

Gene: Vulpecula_32 Start: 23070, Stop: 22732, Start Num: 2

Candidate Starts for Vulpecula_32:

(Start: 1 @23121 has 1 MA's), (Start: 2 @23070 has 9 MA's), (4, 22914),