

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 164274 Report

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

Pham number 164274 has 5 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Odyssey395_117
- Track 2 : Pointis_115, Pureglobe5_119, Beagle_123, MellowYellow_117

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beagle_123, MellowYellow_117, Pointis_115, Pureglobe5_119,

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:

- Odyssey395_117,

Summary by start number:

Start 2:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Odyssey395_117 (AP2),

Start 6:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beagle_123 (AP2), MellowYellow_117 (AP2), Pointis_115 (AP2), Pureglobe5_119 (AP2),

Summary by clusters:

There is one cluster represented in this pham: AP2

Info for manual annotations of cluster AP2:

- Start number 2 was manually annotated 1 time for cluster AP2.
- Start number 6 was manually annotated 2 times for cluster AP2.

Gene Information:

Gene: Beagle_123 Start: 68025, Stop: 67552, Start Num: 6

Candidate Starts for Beagle_123:

(Start: 6 @68025 has 2 MA's), (8, 67932), (9, 67764), (10, 67689), (11, 67656), (12, 67626), (13, 67602), (14, 67578),

Gene: MellowYellow_117 Start: 67698, Stop: 67225, Start Num: 6

Candidate Starts for MellowYellow_117:

(Start: 6 @67698 has 2 MA's), (8, 67605), (9, 67437), (10, 67362), (11, 67329), (12, 67299), (13, 67275), (14, 67251),

Gene: Odyssey395_117 Start: 66479, Stop: 65880, Start Num: 2

Candidate Starts for Odyssey395_117:

(1, 66578), (Start: 2 @66479 has 1 MA's), (3, 66449), (4, 66428), (5, 66410), (7, 66299), (8, 66260), (9, 66092), (10, 66017), (11, 65984), (12, 65954), (13, 65930), (14, 65906),

Gene: Pointis_115 Start: 66251, Stop: 65778, Start Num: 6

Candidate Starts for Pointis_115:

(Start: 6 @66251 has 2 MA's), (8, 66158), (9, 65990), (10, 65915), (11, 65882), (12, 65852), (13, 65828), (14, 65804),

Gene: Pureglobe5_119 Start: 67301, Stop: 66828, Start Num: 6

Candidate Starts for Pureglobe5_119:

(Start: 6 @67301 has 2 MA's), (8, 67208), (9, 67040), (10, 66965), (11, 66932), (12, 66902), (13, 66878), (14, 66854),