



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 11624 Report

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

Pham number 11624 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Alakazam_7
- Track 2 : Nebulous_6
- Track 3 : Neferthena_6
- Track 4 : Clock_6

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 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clock_6, Neferthena_6,

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

- Alakazam_7, Nebulous_6,

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

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Summary by start number:

Start 1:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nebulous_6 (EA5),

Start 2:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Clock_6 (EA5), Neferthena_6 (EA5),

Start 3:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Alakazam_7 (EA5),

Summary by clusters:

There is one cluster represented in this pham: EA5

Info for manual annotations of cluster EA5:

- Start number 1 was manually annotated 1 time for cluster EA5.
- Start number 2 was manually annotated 1 time for cluster EA5.
- Start number 3 was manually annotated 1 time for cluster EA5.

Gene Information:

Gene: Alakazam_7 Start: 5158, Stop: 5298, Start Num: 3

Candidate Starts for Alakazam_7:

(Start: 2 @5155 has 1 MA's), (Start: 3 @5158 has 1 MA's), (4, 5236),

Gene: Clock_6 Start: 5099, Stop: 5239, Start Num: 2

Candidate Starts for Clock_6:

(Start: 1 @5096 has 1 MA's), (Start: 2 @5099 has 1 MA's), (4, 5177),

Gene: Nebulous_6 Start: 5105, Stop: 5248, Start Num: 1

Candidate Starts for Nebulous_6:

(Start: 1 @5105 has 1 MA's), (Start: 2 @5108 has 1 MA's), (4, 5186),

Gene: Neferthena_6 Start: 5108, Stop: 5248, Start Num: 2

Candidate Starts for Neferthena_6:

(Start: 2 @5108 has 1 MA's), (Start: 3 @5111 has 1 MA's), (4, 5186),