



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 293396 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293396 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Matzah_31, Cinna_30, MementoMori_31
- Track 2 : Margaery_30
- Track 3 : Kozie_31
- Track 4 : Cressida_32
- Track 5 : Terij_31
- Track 6 : FuzzBuster_39
- Track 7 : MisoSoup_27

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

The start number called the most often in the published annotations is 5, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cinna_30, Matzah_31, MementoMori_31,

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:

- Cressida_32, FuzzBuster_39, Kozie_31, Margaery_30, MisoSoup_27, Terij_31,

Summary by start number:

Start 1:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Kozie_31 (EI), Terij_31 (EI),

Start 2:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: FuzzBuster_39 (GM), MisoSoup_27 (GM),

Start 5:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_30 (EI), Matzah_31 (EI), MementoMori_31 (EI),

Start 7:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cressida_32 (EI), Margaery_30 (EI),

Summary by clusters:

There are 2 clusters represented in this pham: GM, EI,

Info for manual annotations of cluster EI:

- Start number 1 was manually annotated 2 times for cluster EI.
- Start number 5 was manually annotated 3 times for cluster EI.
- Start number 7 was manually annotated 2 times for cluster EI.

Info for manual annotations of cluster GM:

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

Gene Information:

Gene: Cinna_30 Start: 19644, Stop: 19907, Start Num: 5

Candidate Starts for Cinna_30:

(Start: 5 @19644 has 3 MA's), (8, 19752), (10, 19869), (12, 19878),

Gene: Cressida_32 Start: 19733, Stop: 19966, Start Num: 7

Candidate Starts for Cressida_32:

(Start: 7 @19733 has 2 MA's), (8, 19811), (10, 19928), (11, 19931), (12, 19937),

Gene: FuzzBuster_39 Start: 20330, Stop: 20572, Start Num: 2

Candidate Starts for FuzzBuster_39:

(Start: 2 @20330 has 1 MA's), (3, 20342), (6, 20387), (Start: 7 @20396 has 2 MA's),

Gene: Kozie_31 Start: 19882, Stop: 20199, Start Num: 1

Candidate Starts for Kozie_31:

(Start: 1 @19882 has 2 MA's), (4, 19927), (12, 20170),

Gene: Margaery_30 Start: 19615, Stop: 19851, Start Num: 7

Candidate Starts for Margaery_30:

(Start: 7 @19615 has 2 MA's), (10, 19813), (12, 19822),

Gene: Matzah_31 Start: 19620, Stop: 19883, Start Num: 5

Candidate Starts for Matzah_31:

(Start: 5 @19620 has 3 MA's), (8, 19728), (10, 19845), (12, 19854),

Gene: MementoMori_31 Start: 19350, Stop: 19613, Start Num: 5

Candidate Starts for MementoMori_31:

(Start: 5 @19350 has 3 MA's), (8, 19458), (10, 19575), (12, 19584),

Gene: MisoSoup_27 Start: 16689, Stop: 16937, Start Num: 2

Candidate Starts for MisoSoup_27:

(Start: 1 @16674 has 2 MA's), (Start: 2 @16689 has 1 MA's), (3, 16701), (Start: 7 @16755 has 2 MA's),

Gene: Terij_31 Start: 19615, Stop: 19935, Start Num: 1

Candidate Starts for Terij_31:

(Start: 1 @19615 has 2 MA's), (9, 19849), (10, 19897), (12, 19906),