



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 88033 Report

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

Pham number 88033 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Kozie_63
- Track 2 : MementoMori_64, Matzah_65, Cinna_63
- Track 3 : Terij_63
- Track 4 : Cressida_66
- Track 5 : Margaery_62

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cinna_63, Matzah_65, MementoMori_64, Terij_63,

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

- Cressida_66, Kozie_63, Margaery_62,

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

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Summary by start number:

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Cinna_63 (EI), Matzah_65 (EI), MementoMori_64 (EI), Terij_63 (EI),

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 42.9% of time when present

- Phage (with cluster) where this start called: Cressida_66 (EI), Kozie_63 (EI), Margaery_62 (EI),

Summary by clusters:

There is one cluster represented in this pham: EI

Info for manual annotations of cluster EI:

- Start number 3 was manually annotated 4 times for cluster EI.
- Start number 4 was manually annotated 3 times for cluster EI.

Gene Information:

Gene: Cinna_63 Start: 42823, Stop: 43068, Start Num: 3

Candidate Starts for Cinna_63:

(Start: 3 @42823 has 4 MA's), (Start: 4 @42826 has 3 MA's), (5, 42859), (6, 42865), (8, 43000),

Gene: Cressida_66 Start: 42432, Stop: 42674, Start Num: 4

Candidate Starts for Cressida_66:

(Start: 3 @42429 has 4 MA's), (Start: 4 @42432 has 3 MA's), (8, 42606),

Gene: Kozie_63 Start: 42067, Stop: 42312, Start Num: 4

Candidate Starts for Kozie_63:

(1, 41425), (2, 41821), (Start: 3 @42064 has 4 MA's), (Start: 4 @42067 has 3 MA's), (8, 42241),

Gene: Margaery_62 Start: 42032, Stop: 42274, Start Num: 4

Candidate Starts for Margaery_62:

(Start: 3 @42029 has 4 MA's), (Start: 4 @42032 has 3 MA's), (8, 42206),

Gene: Matzah_65 Start: 42890, Stop: 43135, Start Num: 3

Candidate Starts for Matzah_65:

(Start: 3 @42890 has 4 MA's), (Start: 4 @42893 has 3 MA's), (5, 42926), (6, 42932), (8, 43067),

Gene: MementoMori_64 Start: 42485, Stop: 42730, Start Num: 3

Candidate Starts for MementoMori_64:

(Start: 3 @42485 has 4 MA's), (Start: 4 @42488 has 3 MA's), (5, 42521), (6, 42527), (8, 42662),

Gene: Terij_63 Start: 41261, Stop: 41506, Start Num: 3

Candidate Starts for Terij_63:

(Start: 3 @41261 has 4 MA's), (Start: 4 @41264 has 3 MA's), (7, 41345), (8, 41438),