



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 331706 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331706 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zeina_67
- Track 2 : TrixiePhattel_66
- Track 3 : ObiToo_29
- Track 4 : Crewmate_30
- Track 5 : CookieDog_64

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Crewmate_30, ObiToo_29,

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:

- CookieDog_64, TrixiePhattel_66, Zeina_67,

Summary by start number:

Start 5:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: TrixiePhattel_66 (AU6),

Start 6:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CookieDog_64 (GA),

Start 7:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zeina_67 (AU6),

Start 13:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Crewmate_30 (AZ1), ObiToo_29 (AZ1),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, GA, AU6,

Info for manual annotations of cluster AU6:

- Start number 5 was manually annotated 1 time for cluster AU6.
- Start number 7 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster AZ1:

- Start number 13 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster GA:

- Start number 6 was manually annotated 1 time for cluster GA.

Gene Information:

Gene: CookieDog_64 Start: 37869, Stop: 38015, Start Num: 6

Candidate Starts for CookieDog_64:

(Start: 6 @37869 has 1 MA's), (8, 37893),

Gene: Crewmate_30 Start: 23033, Stop: 23152, Start Num: 13

Candidate Starts for Crewmate_30:

(Start: 5 @22868 has 1 MA's), (Start: 13 @23033 has 2 MA's),

Gene: ObiToo_29 Start: 22773, Stop: 22892, Start Num: 13

Candidate Starts for ObiToo_29:

(Start: 5 @22605 has 1 MA's), (Start: 13 @22773 has 2 MA's),

Gene: TrixiePhattel_66 Start: 42308, Stop: 42451, Start Num: 5

Candidate Starts for TrixiePhattel_66:

(4, 42299), (Start: 5 @42308 has 1 MA's), (9, 42341), (10, 42347), (11, 42404), (12, 42443),

Gene: Zeina_67 Start: 42828, Stop: 42944, Start Num: 7

Candidate Starts for Zeina_67:

(1, 42765), (2, 42777), (3, 42795), (Start: 7 @42828 has 1 MA's), (9, 42858), (10, 42864),