



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 106908 Report

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

Pham number 106908 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Limpid_271, Annadreamy_2, Annadreamy_265, Limpid_2
- Track 2 : Blueeyedbeauty_277
- Track 3 : Beuffert_2, Beuffert_276
- Track 4 : Blueeyedbeauty_2

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annadreamy_2, Annadreamy_265, Beuffert_2, Beuffert_276, Blueeyedbeauty_277, Limpid_2, Limpid_271,

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

- Blueeyedbeauty_2,

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

-

Summary by start number:

Start 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Annadreamy_2 (BK1), Annadreamy_265 (BK1), Beuffert_2 (BK1), Beuffert_276 (BK1), Blueeyedbeauty_277 (BK1), Limpid_2 (BK1), Limpid_271 (BK1),

Start 2:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 25.0% of time when present

- Phage (with cluster) where this start called: Blueeyedbeauty_2 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 1 was manually annotated 7 times for cluster BK1.
- Start number 2 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Annadreamy_2 Start: 508, Stop: 663, Start Num: 1

Candidate Starts for Annadreamy_2:

(Start: 1 @508 has 7 MA's), (4, 580),

Gene: Annadreamy_265 Start: 125445, Stop: 125600, Start Num: 1

Candidate Starts for Annadreamy_265:

(Start: 1 @125445 has 7 MA's), (4, 125517),

Gene: Beuffert_2 Start: 531, Stop: 686, Start Num: 1

Candidate Starts for Beuffert_2:

(Start: 1 @531 has 7 MA's), (Start: 2 @546 has 1 MA's), (3, 576), (4, 603), (6, 627),

Gene: Beuffert_276 Start: 129654, Stop: 129809, Start Num: 1

Candidate Starts for Beuffert_276:

(Start: 1 @129654 has 7 MA's), (Start: 2 @129669 has 1 MA's), (3, 129699), (4, 129726), (6, 129750),

Gene: Blueeyedbeauty_277 Start: 130192, Stop: 130347, Start Num: 1

Candidate Starts for Blueeyedbeauty_277:

(Start: 1 @130192 has 7 MA's), (Start: 2 @130207 has 1 MA's), (5, 130267),

Gene: Blueeyedbeauty_2 Start: 522, Stop: 662, Start Num: 2

Candidate Starts for Blueeyedbeauty_2:

(Start: 1 @507 has 7 MA's), (Start: 2 @522 has 1 MA's), (5, 582),

Gene: Limpid_271 Start: 130757, Stop: 130912, Start Num: 1

Candidate Starts for Limpid_271:

(Start: 1 @130757 has 7 MA's), (4, 130829),

Gene: Limpid_2 Start: 507, Stop: 662, Start Num: 1

Candidate Starts for Limpid_2:

(Start: 1 @507 has 7 MA's), (4, 579),