



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 88427 Report

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

Pham number 88427 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Hadrien_30, Luke_30
- Track 2 : LilHazelNut_30, Daegal_31, Kinbote_30

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Daegal_31, Kinbote_30, LilHazelNut_30,

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

- Hadrien_30, Luke_30,

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

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Summary by start number:

Start 3:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Hadrien_30 (Q), Luke_30 (Q),

Start 4:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Daegal_31 (Q), Kinbote_30 (Q), LilHazelNut_30 (Q),

Summary by clusters:

There is one cluster represented in this pham: Q

Info for manual annotations of cluster Q:

- Start number 3 was manually annotated 2 times for cluster Q.
- Start number 4 was manually annotated 3 times for cluster Q.

Gene Information:

Gene: Daegal_31 Start: 26823, Stop: 27116, Start Num: 4

Candidate Starts for Daegal_31:

(1, 26742), (2, 26772), (Start: 3 @26799 has 2 MA's), (Start: 4 @26823 has 3 MA's), (5, 26916), (6, 26943), (7, 26970), (8, 26973), (9, 27006),

Gene: Hadrien_30 Start: 26505, Stop: 26822, Start Num: 3

Candidate Starts for Hadrien_30:

(1, 26448), (2, 26478), (Start: 3 @26505 has 2 MA's), (Start: 4 @26529 has 3 MA's), (5, 26622), (6, 26649), (7, 26676), (8, 26679), (9, 26712),

Gene: Kinbote_30 Start: 26529, Stop: 26822, Start Num: 4

Candidate Starts for Kinbote_30:

(1, 26448), (2, 26478), (Start: 3 @26505 has 2 MA's), (Start: 4 @26529 has 3 MA's), (5, 26622), (6, 26649), (7, 26676), (8, 26679), (9, 26712),

Gene: LilHazelnut_30 Start: 26529, Stop: 26822, Start Num: 4

Candidate Starts for LilHazelnut_30:

(1, 26448), (2, 26478), (Start: 3 @26505 has 2 MA's), (Start: 4 @26529 has 3 MA's), (5, 26622), (6, 26649), (7, 26676), (8, 26679), (9, 26712),

Gene: Luke_30 Start: 26460, Stop: 26777, Start Num: 3

Candidate Starts for Luke_30:

(1, 26403), (2, 26433), (Start: 3 @26460 has 2 MA's), (Start: 4 @26484 has 3 MA's), (5, 26577), (6, 26604), (7, 26631), (8, 26634), (9, 26667),