



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 87824 Report

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

Pham number 87824 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Lutum_44, Frickyeh_44, CheeseTouch_42, Holliday_43, Crater_41
- Track 2 : Phabuloso_41, Kenna_43, Phistory_44

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CheeseTouch_42, Crater_41, Frickyeh_44, Holliday_43, Lutum_44,

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

- Kenna_43, Phabuloso_41, Phistory_44,

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

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Summary by start number:

Start 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 62.5% of time when present
- Phage (with cluster) where this start called: CheeseTouch_42 (DN1), Crater_41 (DN3), Frickyeh_44 (DN1), Holliday_43 (DN1), Lutum_44 (DN1),

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Kenna_43 (DN1), Phabuloso_41 (DN1), Phistory_44 (DN1),

Summary by clusters:

There are 2 clusters represented in this pham: DN1, DN3,

Info for manual annotations of cluster DN1:

- Start number 1 was manually annotated 3 times for cluster DN1.
- Start number 2 was manually annotated 3 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 1 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: CheeseTouch_42 Start: 28258, Stop: 28476, Start Num: 1

Candidate Starts for CheeseTouch_42:

(Start: 1 @28258 has 4 MA's), (Start: 2 @28285 has 3 MA's), (3, 28324), (4, 28348), (5, 28357),

Gene: Crater_41 Start: 29856, Stop: 30074, Start Num: 1

Candidate Starts for Crater_41:

(Start: 1 @29856 has 4 MA's), (Start: 2 @29883 has 3 MA's), (3, 29922), (4, 29946), (5, 29955),

Gene: Frickyeah_44 Start: 29808, Stop: 30026, Start Num: 1

Candidate Starts for Frickyeah_44:

(Start: 1 @29808 has 4 MA's), (Start: 2 @29835 has 3 MA's), (3, 29874), (4, 29898), (5, 29907),

Gene: Holliday_43 Start: 30383, Stop: 30601, Start Num: 1

Candidate Starts for Holliday_43:

(Start: 1 @30383 has 4 MA's), (Start: 2 @30410 has 3 MA's), (3, 30449), (4, 30473), (5, 30482),

Gene: Kenna_43 Start: 30746, Stop: 30937, Start Num: 2

Candidate Starts for Kenna_43:

(Start: 1 @30719 has 4 MA's), (Start: 2 @30746 has 3 MA's), (3, 30785), (4, 30809), (5, 30818),

Gene: Lutum_44 Start: 30719, Stop: 30937, Start Num: 1

Candidate Starts for Lutum_44:

(Start: 1 @30719 has 4 MA's), (Start: 2 @30746 has 3 MA's), (3, 30785), (4, 30809), (5, 30818),

Gene: Phabuloso_41 Start: 30462, Stop: 30653, Start Num: 2

Candidate Starts for Phabuloso_41:

(Start: 1 @30435 has 4 MA's), (Start: 2 @30462 has 3 MA's), (3, 30501), (4, 30525), (5, 30534),

Gene: Phistory_44 Start: 31097, Stop: 31288, Start Num: 2

Candidate Starts for Phistory_44:

(Start: 1 @31070 has 4 MA's), (Start: 2 @31097 has 3 MA's), (3, 31136), (4, 31160), (5, 31169),