



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 7299 Report

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

Pham number 7299 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Patelgo_94, Moab_94
- Track 2 : MeganTheeKilla_93, Jada_95, Forrest_98, Gilson_95, Emma1919_96
- Track 3 : Francob_94
- Track 4 : Kenrey_96, Phredrick_94

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Emma1919_96, Forrest_98, Francob_94, Gilson_95, Jada_95, Kenrey_96, MeganTheeKilla_93, Moab_94, Patelgo_94, Phredrick_94,

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

-

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

-

Summary by start number:

Start 4:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emma1919_96 (BK1), Forrest_98 (BK1), Francob_94 (BK1), Gilson_95 (BK1), Jada_95 (BK1), Kenrey_96 (BK1), MeganTheeKilla_93 (BK1), Moab_94 (BK1), Patelgo_94 (BK1), Phredrick_94 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 10 times for cluster BK1.

Gene Information:

Gene: Emma1919_96 Start: 65887, Stop: 66246, Start Num: 4

Candidate Starts for Emma1919_96:

(Start: 4 @65887 has 10 MA's), (5, 66034), (6, 66082), (8, 66205),

Gene: Forrest_98 Start: 67630, Stop: 67989, Start Num: 4

Candidate Starts for Forrest_98:

(Start: 4 @67630 has 10 MA's), (5, 67777), (6, 67825), (8, 67948),

Gene: Francob_94 Start: 66038, Stop: 66400, Start Num: 4

Candidate Starts for Francob_94:

(1, 65972), (2, 65978), (3, 66035), (Start: 4 @66038 has 10 MA's), (6, 66233), (8, 66359),

Gene: Gilson_95 Start: 65849, Stop: 66208, Start Num: 4

Candidate Starts for Gilson_95:

(Start: 4 @65849 has 10 MA's), (5, 65996), (6, 66044), (8, 66167),

Gene: Jada_95 Start: 66362, Stop: 66721, Start Num: 4

Candidate Starts for Jada_95:

(Start: 4 @66362 has 10 MA's), (5, 66509), (6, 66557), (8, 66680),

Gene: Kenrey_96 Start: 66082, Stop: 66441, Start Num: 4

Candidate Starts for Kenrey_96:

(Start: 4 @66082 has 10 MA's), (5, 66229), (6, 66277), (7, 66373), (8, 66400),

Gene: MeganTheeKilla_93 Start: 65210, Stop: 65569, Start Num: 4

Candidate Starts for MeganTheeKilla_93:

(Start: 4 @65210 has 10 MA's), (5, 65357), (6, 65405), (8, 65528),

Gene: Moab_94 Start: 67146, Stop: 67505, Start Num: 4

Candidate Starts for Moab_94:

(Start: 4 @67146 has 10 MA's), (6, 67341), (8, 67464),

Gene: Patelgo_94 Start: 67309, Stop: 67668, Start Num: 4

Candidate Starts for Patelgo_94:

(Start: 4 @67309 has 10 MA's), (6, 67504), (8, 67627),

Gene: Phredrick_94 Start: 65182, Stop: 65541, Start Num: 4

Candidate Starts for Phredrick_94:

(Start: 4 @65182 has 10 MA's), (5, 65329), (6, 65377), (7, 65473), (8, 65500),