



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 28289 Report

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

Pham number 28289 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ziko_150
- Track 2 : Fryberger_145, Ronaldo_148, Guey18_150, Volt_151

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fryberger_145, Guey18_150, Ronaldo_148, Volt_151,

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

- Ziko_150,

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

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Summary by start number:

Start 1:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Fryberger_145 (DP), Guey18_150 (DP), Ronaldo_148 (DP), Volt_151 (DP),

Start 2:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Ziko_150 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:

- Start number 1 was manually annotated 4 times for cluster DP.
- Start number 2 was manually annotated 1 time for cluster DP.

Gene Information:

Gene: Fryberger_145 Start: 66488, Stop: 66646, Start Num: 1

Candidate Starts for Fryberger_145:

(Start: 1 @66488 has 4 MA's), (Start: 2 @66491 has 1 MA's), (3, 66515), (4, 66566), (5, 66569), (6, 66578),

Gene: Guey18_150 Start: 68149, Stop: 68307, Start Num: 1

Candidate Starts for Guey18_150:

(Start: 1 @68149 has 4 MA's), (Start: 2 @68152 has 1 MA's), (3, 68176), (4, 68227), (5, 68230), (6, 68239),

Gene: Ronaldo_148 Start: 67643, Stop: 67801, Start Num: 1

Candidate Starts for Ronaldo_148:

(Start: 1 @67643 has 4 MA's), (Start: 2 @67646 has 1 MA's), (3, 67670), (4, 67721), (5, 67724), (6, 67733),

Gene: Volt_151 Start: 67807, Stop: 67965, Start Num: 1

Candidate Starts for Volt_151:

(Start: 1 @67807 has 4 MA's), (Start: 2 @67810 has 1 MA's), (3, 67834), (4, 67885), (5, 67888), (6, 67897),

Gene: Ziko_150 Start: 68114, Stop: 68269, Start Num: 2

Candidate Starts for Ziko_150:

(Start: 1 @68111 has 4 MA's), (Start: 2 @68114 has 1 MA's), (3, 68138), (4, 68189), (5, 68192), (6, 68201),