



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 106972 Report

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

Pham number 106972 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : FirstPlacePfu_44, Donovan_44, Phineas_44, Venti_44, Zilizebeth_44, Bartholomew_43, Langerak_44, Sonah_44
- Track 2 : GreaseLightnin_44

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bartholomew_43, Donovan_44, FirstPlacePfu_44, GreaseLightnin_44, Langerak_44, Phineas_44, Sonah_44, Venti_44, Zilizebeth_44,

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 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bartholomew_43 (P1), Donovan_44 (P1), FirstPlacePfu_44 (P1), GreaseLightnin_44 (P1), Langerak_44 (P1), Phineas_44 (P1), Sonah_44 (P1), Venti_44 (P1), Zilizebeth_44 (P1),

Summary by clusters:

There is one cluster represented in this pham: P1

Info for manual annotations of cluster P1:

- Start number 4 was manually annotated 9 times for cluster P1.

Gene Information:

Gene: Bartholomew_43 Start: 31385, Stop: 31471, Start Num: 4

Candidate Starts for Bartholomew_43:

(2, 31280), (3, 31349), (Start: 4 @31385 has 9 MA's), (5, 31409),

Gene: Donovan_44 Start: 31408, Stop: 31494, Start Num: 4

Candidate Starts for Donovan_44:

(2, 31303), (3, 31372), (Start: 4 @31408 has 9 MA's), (5, 31432),

Gene: FirstPlacePfu_44 Start: 31417, Stop: 31503, Start Num: 4

Candidate Starts for FirstPlacePfu_44:

(2, 31312), (3, 31381), (Start: 4 @31417 has 9 MA's), (5, 31441),

Gene: GreaseLightnin_44 Start: 31621, Stop: 31707, Start Num: 4

Candidate Starts for GreaseLightnin_44:

(1, 31477), (2, 31516), (3, 31585), (Start: 4 @31621 has 9 MA's), (5, 31645),

Gene: Langerak_44 Start: 31401, Stop: 31487, Start Num: 4

Candidate Starts for Langerak_44:

(2, 31296), (3, 31365), (Start: 4 @31401 has 9 MA's), (5, 31425),

Gene: Phineas_44 Start: 31744, Stop: 31830, Start Num: 4

Candidate Starts for Phineas_44:

(2, 31639), (3, 31708), (Start: 4 @31744 has 9 MA's), (5, 31768),

Gene: Sonah_44 Start: 31371, Stop: 31457, Start Num: 4

Candidate Starts for Sonah_44:

(2, 31266), (3, 31335), (Start: 4 @31371 has 9 MA's), (5, 31395),

Gene: Venti_44 Start: 31385, Stop: 31471, Start Num: 4

Candidate Starts for Venti_44:

(2, 31280), (3, 31349), (Start: 4 @31385 has 9 MA's), (5, 31409),

Gene: Zilizebeth_44 Start: 31417, Stop: 31503, Start Num: 4

Candidate Starts for Zilizebeth_44:

(2, 31312), (3, 31381), (Start: 4 @31417 has 9 MA's), (5, 31441),