



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 6978 Report

This analysis was run 07/09/24 on database version 566.

Pham number 6978 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shlim410_41, Oregono_42, Adora_40, Howe_43, Hortense_43, Twinkle_42, Annalisa_40
- Track 2 : Moosehead_38

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

Genes that call this "Most Annotated" start:

- Adora_40, Annalisa_40, Hortense_43, Howe_43, Moosehead_38, Oregono_42, Shlim410_41, Twinkle_42,

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 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora_40 (CZ4), Annalisa_40 (CZ4), Hortense_43 (CZ4), Howe_43 (CZ4), Moosehead_38 (CZ6), Oregono_42 (CZ4), Shlim410_41 (CZ4), Twinkle_42 (CZ4),

Summary by clusters:

There are 2 clusters represented in this pham: CZ6, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 1 was manually annotated 6 times for cluster CZ4.

Info for manual annotations of cluster CZ6:

- Start number 1 was manually annotated 1 time for cluster CZ6.

Gene Information:

Gene: Adora_40 Start: 33428, Stop: 32979, Start Num: 1

Candidate Starts for Adora_40:

(Start: 1 @33428 has 7 MA's), (2, 33404), (3, 33389), (4, 33371), (5, 33332), (6, 33239), (7, 33233), (8, 33224),

Gene: Annalisa_40 Start: 30785, Stop: 30336, Start Num: 1

Candidate Starts for Annalisa_40:

(Start: 1 @30785 has 7 MA's), (2, 30761), (3, 30746), (4, 30728), (5, 30689), (6, 30596), (7, 30590), (8, 30581),

Gene: Hortense_43 Start: 34783, Stop: 34334, Start Num: 1

Candidate Starts for Hortense_43:

(Start: 1 @34783 has 7 MA's), (2, 34759), (3, 34744), (4, 34726), (5, 34687), (6, 34594), (7, 34588), (8, 34579),

Gene: Howe_43 Start: 34783, Stop: 34334, Start Num: 1

Candidate Starts for Howe_43:

(Start: 1 @34783 has 7 MA's), (2, 34759), (3, 34744), (4, 34726), (5, 34687), (6, 34594), (7, 34588), (8, 34579),

Gene: Moosehead_38 Start: 27544, Stop: 27095, Start Num: 1

Candidate Starts for Moosehead_38:

(Start: 1 @27544 has 7 MA's), (2, 27520), (3, 27505), (4, 27487), (5, 27448), (8, 27340),

Gene: Oregano_42 Start: 31418, Stop: 30969, Start Num: 1

Candidate Starts for Oregano_42:

(Start: 1 @31418 has 7 MA's), (2, 31394), (3, 31379), (4, 31361), (5, 31322), (6, 31229), (7, 31223), (8, 31214),

Gene: Shlim410_41 Start: 34783, Stop: 34334, Start Num: 1

Candidate Starts for Shlim410_41:

(Start: 1 @34783 has 7 MA's), (2, 34759), (3, 34744), (4, 34726), (5, 34687), (6, 34594), (7, 34588), (8, 34579),

Gene: Twinkle_42 Start: 35842, Stop: 35393, Start Num: 1

Candidate Starts for Twinkle_42:

(Start: 1 @35842 has 7 MA's), (2, 35818), (3, 35803), (4, 35785), (5, 35746), (6, 35653), (7, 35647), (8, 35638),