



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 171812 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171812 has 18 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Asterius_8, Ewok_8, Darko_7, Norm_8, Khaleesi_8, TinyTim_8, Issimir_8, Lee7_8, Bipolarisk_8, Delilah_8, FoxtrotP1_8, Shelob_8, DrPhinkDaddy_8, McWolfish_8, Iota_7, Bonray_8, Loanshark_8, Jessibeth14_8

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asterius_8, Bipolarisk_8, Bonray_8, Darko_7, Delilah_8, DrPhinkDaddy_8, Ewok_8, FoxtrotP1_8, Iota_7, Issimir_8, Jessibeth14_8, Khaleesi_8, Lee7_8, Loanshark_8, McWolfish_8, Norm_8, Shelob_8, TinyTim_8,

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 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asterius_8 (C1), Bipolarisk_8 (C1), Bonray_8 (C1), Darko_7 (C1), Delilah_8 (C1), DrPhinkDaddy_8 (C1), Ewok_8 (C1), FoxtrotP1_8 (C1), Iota_7 (C1), Issimir_8 (C1), Jessibeth14_8 (C1), Khaleesi_8 (C1), Lee7_8 (C1), Loanshark_8 (C1), McWolfish_8 (C1), Norm_8 (C1), Shelob_8 (C1), TinyTim_8 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

•Start number 1 was manually annotated 15 times for cluster C1.

Gene Information:

Gene: Asterius_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Asterius_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Bipolarisk_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Bipolarisk_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Bonray_8 Start: 3074, Stop: 3220, Start Num: 1

Candidate Starts for Bonray_8:

(Start: 1 @3074 has 15 MA's), (2, 3125), (3, 3149), (4, 3170), (5, 3176), (6, 3185), (7, 3206), (8, 3209),

Gene: Darko_7 Start: 2971, Stop: 3117, Start Num: 1

Candidate Starts for Darko_7:

(Start: 1 @2971 has 15 MA's), (2, 3022), (3, 3046), (4, 3067), (5, 3073), (6, 3082), (7, 3103), (8, 3106),

Gene: Delilah_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Delilah_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: DrPhinkDaddy_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for DrPhinkDaddy_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Ewok_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Ewok_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: FoxtrotP1_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for FoxtrotP1_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Iota_7 Start: 2926, Stop: 3072, Start Num: 1

Candidate Starts for Iota_7:

(Start: 1 @2926 has 15 MA's), (2, 2977), (3, 3001), (4, 3022), (5, 3028), (6, 3037), (7, 3058), (8, 3061),

Gene: Issimir_8 Start: 3074, Stop: 3220, Start Num: 1

Candidate Starts for Issimir_8:

(Start: 1 @3074 has 15 MA's), (2, 3125), (3, 3149), (4, 3170), (5, 3176), (6, 3185), (7, 3206), (8, 3209),

Gene: Jessibeth14_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Jessibeth14_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Khaleesi_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Khaleesi_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Lee7_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Lee7_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Loanshark_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Loanshark_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: McWolfish_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for McWolfish_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Norm_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Norm_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: Shelob_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for Shelob_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),

Gene: TinyTim_8 Start: 3080, Stop: 3226, Start Num: 1

Candidate Starts for TinyTim_8:

(Start: 1 @3080 has 15 MA's), (2, 3131), (3, 3155), (4, 3176), (5, 3182), (6, 3191), (7, 3212), (8, 3215),