



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 164131 Report

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

Pham number 164131 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : OfUltron_75, Ochi17_73, Llama_74, Sebastian_75
- Track 2 : Doomphist_73, Poenanya_73, Polka14_74, Leperchaun_68
- Track 3 : Jarcob_69

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Doomphist_73, Jarcob_69, Leperchaun_68, Llama_74, Ochi17_73, OfUltron_75, Poenanya_73, Polka14_74, Sebastian_75,

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 3:

- 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: Doomphist_73 (F1), Jarcob_69 (F1), Leperchaun_68 (F1), Llama_74 (F1), Ochi17_73 (F1), OfUltron_75 (F1), Poenanya_73 (F1), Polka14_74 (F1), Sebastian_75 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:

- Start number 3 was manually annotated 9 times for cluster F1.

Gene Information:

Gene: Doomphist_73 Start: 45645, Stop: 45947, Start Num: 3

Candidate Starts for Doomphist_73:

(2, 45564), (Start: 3 @45645 has 9 MA's), (9, 45720), (10, 45756), (11, 45780), (12, 45867), (14, 45921),

Gene: Jacob_69 Start: 45412, Stop: 45819, Start Num: 3

Candidate Starts for Jacob_69:

(1, 45289), (2, 45331), (Start: 3 @45412 has 9 MA's), (4, 45427), (5, 45454), (7, 45469), (9, 45487), (15, 45742), (16, 45760),

Gene: Leperchaun_68 Start: 44689, Stop: 44994, Start Num: 3

Candidate Starts for Leperchaun_68:

(2, 44608), (Start: 3 @44689 has 9 MA's), (9, 44764), (10, 44800), (11, 44824), (12, 44911), (14, 44968),

Gene: Llama_74 Start: 46111, Stop: 46482, Start Num: 3

Candidate Starts for Llama_74:

(1, 45988), (2, 46030), (Start: 3 @46111 has 9 MA's), (6, 46159), (8, 46174), (13, 46402),

Gene: Ochi17_73 Start: 45707, Stop: 46078, Start Num: 3

Candidate Starts for Ochi17_73:

(1, 45584), (2, 45626), (Start: 3 @45707 has 9 MA's), (6, 45755), (8, 45770), (13, 45998),

Gene: OfUltron_75 Start: 46256, Stop: 46627, Start Num: 3

Candidate Starts for OfUltron_75:

(1, 46133), (2, 46175), (Start: 3 @46256 has 9 MA's), (6, 46304), (8, 46319), (13, 46547),

Gene: Poenanya_73 Start: 45645, Stop: 45947, Start Num: 3

Candidate Starts for Poenanya_73:

(2, 45564), (Start: 3 @45645 has 9 MA's), (9, 45720), (10, 45756), (11, 45780), (12, 45867), (14, 45921),

Gene: Polka14_74 Start: 46436, Stop: 46738, Start Num: 3

Candidate Starts for Polka14_74:

(2, 46355), (Start: 3 @46436 has 9 MA's), (9, 46511), (10, 46547), (11, 46571), (12, 46658), (14, 46712),

Gene: Seabastian_75 Start: 46257, Stop: 46628, Start Num: 3

Candidate Starts for Seabastian_75:

(1, 46134), (2, 46176), (Start: 3 @46257 has 9 MA's), (6, 46305), (8, 46320), (13, 46548),