Pham 171764

1: Eidsmoe_3 + 6

2: ExplosioNervosa_3 + 13

3: Toaka_3

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 171764 Report

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

Pham number 171764 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Eidsmoe_3, Priya_3, Qobbit_3, Alma_3, Conquerage_3, Spouty_2, EmyBug_3
• Track 2 : ExplosioNervosa_3, HortumSL17_3, Ugenie5_2, Phaeder_3, Aliter_3, Tubs_3, Fayely_3, Scherzo_3, Catalina_3, Beemo_3, PackMan_3, Pioneer_3, Phonnegut_3, Myxus_3
• Track 3 : Toaka_3

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_3, Alma_3, Beemo_3, Catalina_3, Conquerage_3, Eidsmoe_3, EmyBug_3, ExplosioNervosa_3, Fayely_3, HortumSL17_3, Myxus_3, PackMan_3, Phaeder_3, Phonnegut_3, Pioneer_3, Priya_3, Qobbit_3, Scherzo_3, Spouty_2, Tubs_3, Ugenie5_2,

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

Genes that do not have the "Most Annotated" start:
• Toaka_3,

Summary by start number:

Start 1:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Toaka_3 (A9),

Start 2:
• Found in 21 of 22 (95.5%) of genes in pham

• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_3 (A9), Alma_3 (A9), Beemo_3 (A9), Catalina_3 (A9), Conquerage_3 (A9), Eidsmoe_3 (A9), EmyBug_3 (A9), ExplosioNervosa_3 (A9), Fayely_3 (A9), HortumSL17_3 (A9), Myxus_3 (A9), PackMan_3 (A9), Phaeder_3 (A9), Phonnegut_3 (A9), Pioneer_3 (A9), Priya_3 (A9), Qobbit_3 (A9), Scherzo_3 (A9), Spouty_2 (A9), Tubs_3 (A9), Ugenie5_2 (A9),

Summary by clusters:

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 1 was manually annotated 1 time for cluster A9.
•Start number 2 was manually annotated 20 times for cluster A9.

Gene Information:
Gene: Aliter_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Aliter_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Alma_3 Start: 2109, Stop: 2336, Start Num: 2
Candidate Starts for Alma_3:
(Start: 2 @2109 has 20 MA's), (4, 2253),

Gene: Beemo_3 Start: 2112, Stop: 2339, Start Num: 2
Candidate Starts for Beemo_3:
(Start: 2 @2112 has 20 MA's), (4, 2256),

Gene: Catalina_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Catalina_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Conquerage_3 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for Conquerage_3:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: Eidsmoe_3 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for Eidsmoe_3:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: EmyBug_3 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for EmyBug_3:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: ExplosioNervosa_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for ExplosioNervosa_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Fayely_3 Start: 2111, Stop: 2338, Start Num: 2

Candidate Starts for Fayely_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: HortumSL17_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for HortumSL17_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Myxus_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Myxus_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: PackMan_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for PackMan_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Phaeder_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Phaeder_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Phonnegut_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Phonnegut_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Pioneer_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Pioneer_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Priya_3 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for Priya_3:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: Qobbit_3 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for Qobbit_3:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: Scherzo_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Scherzo_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Spouty_2 Start: 2108, Stop: 2335, Start Num: 2
Candidate Starts for Spouty_2:
(Start: 2 @2108 has 20 MA's), (4, 2252),

Gene: Toaka_3 Start: 2171, Stop: 2392, Start Num: 1
Candidate Starts for Toaka_3:
(Start: 1 @2171 has 1 MA's), (3, 2189), (5, 2354),

Gene: Tubs_3 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Tubs_3:
(Start: 2 @2111 has 20 MA's), (4, 2255),

Gene: Ugenie5_2 Start: 2111, Stop: 2338, Start Num: 2
Candidate Starts for Ugenie5_2:

(Start: 2 @2111 has 20 MA's), (4, 2255),