Pham 197168

1: Berka_21

2: Ryan_37 + 3

3: Elesar_32

4: Elesar_33

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 197168 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197168 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Berka_21
• Track 2 : Ryan_37, Cole_35, Nandita_37, Popper_35
• Track 3 : Elesar_32
• Track 4 : Elesar_33

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

Genes that call this "Most Annotated" start:
• Berka_21, Cole_35, Elesar_32, Elesar_33, Nandita_37, Popper_35, Ryan_37,

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 2:
• Found in 7 of 7 (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: Berka_21 (FE), Cole_35 (FF), Elesar_32 (FF), Elesar_33 (FF), Nandita_37 (FF), Popper_35 (FF), Ryan_37 (FF),

Summary by clusters:

There are 2 clusters represented in this pham: FE, FF,

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

Info for manual annotations of cluster FF:
•Start number 2 was manually annotated 6 times for cluster FF.

Gene Information:

Gene: Berka_21 Start: 12933, Stop: 12670, Start Num: 2
Candidate Starts for Berka_21:
(1, 12969), (Start: 2 @12933 has 7 MA's), (3, 12927), (4, 12879), (5, 12846), (6, 12837), (8, 12804), (9, 12780), (10, 12750),

Gene: Cole_35 Start: 27282, Stop: 27037, Start Num: 2
Candidate Starts for Cole_35:
(Start: 2 @27282 has 7 MA's), (7, 27168), (12, 27081),

Gene: Elesar_32 Start: 27954, Stop: 27709, Start Num: 2
Candidate Starts for Elesar_32:
(Start: 2 @27954 has 7 MA's), (11, 27759), (13, 27750), (14, 27717),

Gene: Elesar_33 Start: 28190, Stop: 27951, Start Num: 2
Candidate Starts for Elesar_33:
(Start: 2 @28190 has 7 MA's), (6, 28094), (7, 28076), (12, 27989),

Gene: Nandita_37 Start: 27454, Stop: 27209, Start Num: 2
Candidate Starts for Nandita_37:
(Start: 2 @27454 has 7 MA's), (7, 27340), (12, 27253),

Gene: Popper_35 Start: 27366, Stop: 27121, Start Num: 2
Candidate Starts for Popper_35:
(Start: 2 @27366 has 7 MA's), (7, 27252), (12, 27165),

Gene: Ryan_37 Start: 28065, Stop: 27820, Start Num: 2
Candidate Starts for Ryan_37:
(Start: 2 @28065 has 7 MA's), (7, 27951), (12, 27864),