Pham 87798

1: Zaheer_46

2: Ryan_46

3: Cole_42

4: Popper_44

5: Elesar_40

6: Nandita_46

7: Gusanita_43

8: Maja_37

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 87798 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87798 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zaheer_46
• Track 2 : Ryan_46
• Track 3 : Cole_42
• Track 4 : Popper_44
• Track 5 : Elesar_40
• Track 6 : Nandita_46
• Track 7 : Gusanita_43
• Track 8 : Maja_37

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cole_42, Elesar_40, Maja_37, Nandita_46, Ryan_46, Zaheer_46,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Gusanita_43, Popper_44,

Summary by start number:

Start 1:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_42 (FF), Elesar_40 (FF), Maja_37 (FO), Nandita_46 (FF), Ryan_46 (FF), Zaheer_46 (FF),

Start 2:
• Found in 2 of 8 (25.0%) of genes in pham

• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gusanita_43 (FF), Popper_44 (FF),

Summary by clusters:

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

Info for manual annotations of cluster FF:
•Start number 1 was manually annotated 5 times for cluster FF.
•Start number 2 was manually annotated 2 times for cluster FF.

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

Gene Information:
Gene: Cole_42 Start: 30869, Stop: 31126, Start Num: 1
Candidate Starts for Cole_42:
(Start: 1 @30869 has 6 MA's), (6, 30986), (7, 31010), (8, 31028), (9, 31055),

Gene: Elesar_40 Start: 31932, Stop: 32189, Start Num: 1
Candidate Starts for Elesar_40:
(Start: 1 @31932 has 6 MA's), (6, 32049), (8, 32091), (9, 32118),

Gene: Gusanita_43 Start: 31606, Stop: 31857, Start Num: 2
Candidate Starts for Gusanita_43:
(Start: 2 @31606 has 2 MA's), (6, 31720), (8, 31759), (9, 31786),

Gene: Maja_37 Start: 27829, Stop: 28074, Start Num: 1
Candidate Starts for Maja_37:
(Start: 1 @27829 has 6 MA's), (3, 27862), (5, 27943), (6, 27946), (8, 27988), (9, 28015),

Gene: Nandita_46 Start: 31088, Stop: 31345, Start Num: 1
Candidate Starts for Nandita_46:
(Start: 1 @31088 has 6 MA's), (6, 31205), (7, 31229), (8, 31247), (9, 31274),

Gene: Popper_44 Start: 31128, Stop: 31379, Start Num: 2
Candidate Starts for Popper_44:
(Start: 2 @31128 has 2 MA's), (3, 31158), (6, 31242), (8, 31281), (9, 31308),

Gene: Ryan_46 Start: 31636, Stop: 31893, Start Num: 1
Candidate Starts for Ryan_46:
(Start: 1 @31636 has 6 MA's), (4, 31747), (6, 31753), (7, 31777), (8, 31795), (9, 31822),

Gene: Zaheer_46 Start: 32317, Stop: 32574, Start Num: 1
Candidate Starts for Zaheer_46:
(Start: 1 @32317 has 6 MA's), (6, 32434), (7, 32458), (8, 32476), (9, 32503),