Pham 28030

1: Zaheer_47 + 2

2: Elesar_41

3: Nandita_47

4: Popper_45

5: Gusanita_44

6: Maja_38

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 28030 Report

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

Pham number 28030 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zaheer_47, Ryan_47, Cole_43
• Track 2 : Elesar_41
• Track 3 : Nandita_47
• Track 4 : Popper_45
• Track 5 : Gusanita_44
• Track 6 : Maja_38

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

Genes that call this "Most Annotated" start:
• Cole_43, Elesar_41, Gusanita_44, Maja_38, Nandita_47, Popper_45, Ryan_47, Zaheer_47,

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 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_43 (FF), Elesar_41 (FF), Gusanita_44 (FF), Maja_38 (FO), Nandita_47 (FF), Popper_45 (FF), Ryan_47 (FF), Zaheer_47 (FF),

Summary by clusters:

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

Info for manual annotations of cluster FF:
•Start number 3 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FO:
•Start number 3 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Cole_43 Start: 31123, Stop: 31317, Start Num: 3
Candidate Starts for Cole_43:
(2, 31003), (Start: 3 @31123 has 8 MA's), (5, 31207),

Gene: Elesar_41 Start: 32186, Stop: 32380, Start Num: 3
Candidate Starts for Elesar_41:
(1, 31910), (2, 32066), (Start: 3 @32186 has 8 MA's),

Gene: Gusanita_44 Start: 31854, Stop: 32048, Start Num: 3
Candidate Starts for Gusanita_44:
(2, 31737), (Start: 3 @31854 has 8 MA's), (5, 31938),

Gene: Maja_38 Start: 28074, Stop: 28265, Start Num: 3
Candidate Starts for Maja_38:
(Start: 3 @28074 has 8 MA's),

Gene: Nandita_47 Start: 31342, Stop: 31536, Start Num: 3
Candidate Starts for Nandita_47:
(2, 31222), (Start: 3 @31342 has 8 MA's), (4, 31405), (5, 31426),

Gene: Popper_45 Start: 31376, Stop: 31570, Start Num: 3
Candidate Starts for Popper_45:
(2, 31259), (Start: 3 @31376 has 8 MA's), (5, 31460), (6, 31478),

Gene: Ryan_47 Start: 31890, Stop: 32084, Start Num: 3
Candidate Starts for Ryan_47:
(2, 31770), (Start: 3 @31890 has 8 MA's), (5, 31974),

Gene: Zaheer_47 Start: 32571, Stop: 32765, Start Num: 3
Candidate Starts for Zaheer_47:
(2, 32451), (Start: 3 @32571 has 8 MA's), (5, 32655),