Pham 28446

1: SendItCS_79 + 2

2: CricKo_85 + 1

3: Thiqqums_85 + 1

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 28446 Report

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

Pham number 28446 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SendItCS_79, Miek_81, FromIndy_85
• Track 2 : CricKo_85, Rainydai_82
• Track 3 : Thiqqums_85, Regigigas_85

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• FromIndy_85, Miek_81, Regigigas_85, SendItCS_79, Thiqqums_85,

Genes that have the "Most Annotated" start but do not call it:
• CricKo_85, Rainydai_82,

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

Summary by start number:

Start 1:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CricKo_85 (BI4), Rainydai_82 (BI4),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 71.4% of time when present
• Phage (with cluster) where this start called: FromIndy_85 (BI4), Miek_81 (BI4), Regigigas_85 (BI4), SendItCS_79 (BI4), Thiqqums_85 (BI4),

Summary by clusters:

There is one cluster represented in this pham: BI4

Info for manual annotations of cluster BI4:
•Start number 1 was manually annotated 2 times for cluster BI4.
•Start number 2 was manually annotated 3 times for cluster BI4.

Gene Information:

Gene: CricKo_85 Start: 49520, Stop: 49771, Start Num: 1
Candidate Starts for CricKo_85:
(Start: 1 @49520 has 2 MA's), (Start: 2 @49529 has 3 MA's), (3, 49580), (4, 49616), (5, 49709), (6, 49763),

Gene: FromIndy_85 Start: 49316, Stop: 49558, Start Num: 2
Candidate Starts for FromIndy_85:
(Start: 2 @49316 has 3 MA's), (4, 49403), (5, 49496),

Gene: Miek_81 Start: 48498, Stop: 48740, Start Num: 2
Candidate Starts for Miek_81:
(Start: 2 @48498 has 3 MA's), (4, 48585), (5, 48678),

Gene: Rainydai_82 Start: 49520, Stop: 49771, Start Num: 1
Candidate Starts for Rainydai_82:
(Start: 1 @49520 has 2 MA's), (Start: 2 @49529 has 3 MA's), (3, 49580), (4, 49616), (5, 49709), (6, 49763),

Gene: Regigigas_85 Start: 49141, Stop: 49383, Start Num: 2
Candidate Starts for Regigigas_85:
(Start: 1 @49132 has 2 MA's), (Start: 2 @49141 has 3 MA's), (3, 49192), (4, 49228), (5, 49321), (6, 49375),

Gene: SendItCS_79 Start: 48486, Stop: 48728, Start Num: 2
Candidate Starts for SendItCS_79:
(Start: 2 @48486 has 3 MA's), (4, 48573), (5, 48666),

Gene: Thiqqums_85 Start: 49529, Stop: 49771, Start Num: 2
Candidate Starts for Thiqqums_85:
(Start: 1 @49520 has 2 MA's), (Start: 2 @49529 has 3 MA's), (3, 49580), (4, 49616), (5, 49709), (6, 49763),