Pham 88280

1: Regigigas_37 + 5

2: SendItCS_34

3: ClubPenguin_40

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 88280 Report

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

Pham number 88280 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Regigigas_37, Rainydai_36, Miek_35, FromIndy_36, CricKo_36, Thiqqums_36
• Track 2 : SendItCS_34
• Track 3 : ClubPenguin_40

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ClubPenguin_40, CricKo_36, FromIndy_36, Miek_35, Rainydai_36, Regigigas_37, Thiqqums_36,

Genes that have the "Most Annotated" start but do not call it:
• SendItCS_34,

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

Summary by start number:

Start 3:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 14.3% of time when present
• Phage (with cluster) where this start called: SendItCS_34 (BI4),

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 87.5% of time when present
• Phage (with cluster) where this start called: ClubPenguin_40 (BI7), CricKo_36 (BI4), FromIndy_36 (BI4), Miek_35 (BI4), Rainydai_36 (BI4), Regigigas_37 (BI4),

Thiqqums_36 (BI4),

Summary by clusters:

There are 2 clusters represented in this pham: BI7, BI4,

Info for manual annotations of cluster BI4:
•Start number 3 was manually annotated 1 time for cluster BI4.
•Start number 4 was manually annotated 4 times for cluster BI4.

Info for manual annotations of cluster BI7:
•Start number 4 was manually annotated 1 time for cluster BI7.

Gene Information:
Gene: ClubPenguin_40 Start: 28245, Stop: 28460, Start Num: 4
Candidate Starts for ClubPenguin_40:
(1, 28098), (Start: 4 @28245 has 5 MA's), (6, 28332), (7, 28338), (10, 28392),

Gene: CricKo_36 Start: 27387, Stop: 27587, Start Num: 4
Candidate Starts for CricKo_36:
(2, 27285), (Start: 3 @27360 has 1 MA's), (Start: 4 @27387 has 5 MA's), (5, 27438), (8, 27489), (9, 27492), (11, 27570),

Gene: FromIndy_36 Start: 26991, Stop: 27191, Start Num: 4
Candidate Starts for FromIndy_36:
(2, 26889), (Start: 3 @26964 has 1 MA's), (Start: 4 @26991 has 5 MA's), (5, 27042), (8, 27093), (9, 27096), (11, 27174),

Gene: Miek_35 Start: 27003, Stop: 27203, Start Num: 4
Candidate Starts for Miek_35:
(2, 26901), (Start: 3 @26976 has 1 MA's), (Start: 4 @27003 has 5 MA's), (5, 27054), (8, 27105), (9, 27108), (11, 27186),

Gene: Rainydai_36 Start: 27387, Stop: 27587, Start Num: 4
Candidate Starts for Rainydai_36:
(2, 27285), (Start: 3 @27360 has 1 MA's), (Start: 4 @27387 has 5 MA's), (5, 27438), (8, 27489), (9, 27492), (11, 27570),

Gene: Regigigas_37 Start: 27387, Stop: 27587, Start Num: 4
Candidate Starts for Regigigas_37:
(2, 27285), (Start: 3 @27360 has 1 MA's), (Start: 4 @27387 has 5 MA's), (5, 27438), (8, 27489), (9, 27492), (11, 27570),

Gene: SendItCS_34 Start: 26976, Stop: 27203, Start Num: 3
Candidate Starts for SendItCS_34:
(2, 26901), (Start: 3 @26976 has 1 MA's), (Start: 4 @27003 has 5 MA's), (5, 27054), (8, 27105), (9, 27108), (11, 27186),

Gene: Thiqqums_36 Start: 27387, Stop: 27587, Start Num: 4
Candidate Starts for Thiqqums_36:

(2, 27285), (Start: 3 @27360 has 1 MA's), (Start: 4 @27387 has 5 MA's), (5, 27438), (8, 27489), (9, 27492), (11, 27570),