



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 28432 Report

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

Pham number 28432 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Thiqqums_65, CricKo_65, Rainydai_63
- Track 2 : SendItCS_60, Miek_61
- Track 3 : Regigigas_65
- Track 4 : FromIndy_64

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:

- CricKo_65, Rainydai_63, Regigigas_65, Thiqqums_65,

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:

- FromIndy_64, Miek_61, SendItCS_60,

Summary by start number:

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CricKo_65 (BI4), Rainydai_63 (BI4), Regigigas_65 (BI4), Thiqqums_65 (BI4),

Start 4:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Miek_61 (BI4), SendItCS_60 (BI4),

Start 5:

- Found in 3 of 7 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: FromIndy_64 (BI4),

Summary by clusters:

There is one cluster represented in this pham: BI4

Info for manual annotations of cluster BI4:

- Start number 2 was manually annotated 3 times for cluster BI4.
- Start number 4 was manually annotated 2 times for cluster BI4.

Gene Information:

Gene: CricKo_65 Start: 42439, Stop: 42828, Start Num: 2

Candidate Starts for CricKo_65:

(Start: 2 @42439 has 3 MA's), (3, 42529), (6, 42661), (7, 42736), (8, 42739), (9, 42748), (13, 42811),

Gene: FromIndy_64 Start: 41745, Stop: 41960, Start Num: 5

Candidate Starts for FromIndy_64:

(Start: 4 @41679 has 2 MA's), (5, 41745), (8, 41874), (9, 41883), (10, 41898), (11, 41919), (12, 41931),

Gene: Miek_61 Start: 41326, Stop: 41610, Start Num: 4

Candidate Starts for Miek_61:

(Start: 4 @41326 has 2 MA's), (5, 41392), (8, 41521), (9, 41530), (10, 41545), (11, 41566), (12, 41578),

Gene: Rainydai_63 Start: 42439, Stop: 42828, Start Num: 2

Candidate Starts for Rainydai_63:

(Start: 2 @42439 has 3 MA's), (3, 42529), (6, 42661), (7, 42736), (8, 42739), (9, 42748), (13, 42811),

Gene: Regigigas_65 Start: 42051, Stop: 42440, Start Num: 2

Candidate Starts for Regigigas_65:

(1, 42048), (Start: 2 @42051 has 3 MA's), (3, 42141), (6, 42273), (7, 42348), (8, 42351), (9, 42360), (13, 42423),

Gene: SendItCS_60 Start: 41314, Stop: 41598, Start Num: 4

Candidate Starts for SendItCS_60:

(Start: 4 @41314 has 2 MA's), (5, 41380), (8, 41509), (9, 41518), (10, 41533), (11, 41554), (12, 41566),

Gene: Thiqqums_65 Start: 42439, Stop: 42828, Start Num: 2

Candidate Starts for Thiqqums_65:

(Start: 2 @42439 has 3 MA's), (3, 42529), (6, 42661), (7, 42736), (8, 42739), (9, 42748), (13, 42811),