



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 14246 Report

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

Pham number 14246 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gray_13, Alok_13, Chidiebere_13, Hanem_13, Oogie_14, Kabocha_13
- Track 2 : Pakusa_13
- Track 3 : Schomber_13

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

Genes that call this "Most Annotated" start:

- Alok_13, Chidiebere_13, Gray_13, Hanem_13, Kabocha_13, Oogie_14, Schomber_13,

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

- Pakusa_13,

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: 5 of 5
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Alok_13 (DQ), Chidiebere_13 (DQ), Gray_13 (DQ), Hanem_13 (DQ), Kabocha_13 (DQ), Oogie_14 (DQ), Schomber_13 (DQ),

Start 4:

- Found in 8 of 8 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Pakusa_13 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

•Start number 3 was manually annotated 5 times for cluster DQ.

Gene Information:

Gene: Alok1_13 Start: 5411, Stop: 5692, Start Num: 3

Candidate Starts for Alok1_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (13, 5591), (14, 5624), (15, 5663),

Gene: Chidiebere_13 Start: 5411, Stop: 5692, Start Num: 3

Candidate Starts for Chidiebere_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (13, 5591), (14, 5624), (15, 5663),

Gene: Gray_13 Start: 5411, Stop: 5695, Start Num: 3

Candidate Starts for Gray_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (13, 5591), (14, 5624), (15, 5663),

Gene: Hanem_13 Start: 5411, Stop: 5692, Start Num: 3

Candidate Starts for Hanem_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (13, 5591), (14, 5624), (15, 5663),

Gene: Kabocha_13 Start: 5411, Stop: 5692, Start Num: 3

Candidate Starts for Kabocha_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (13, 5591), (14, 5624), (15, 5663),

Gene: Oogie_14 Start: 5308, Stop: 5592, Start Num: 3

Candidate Starts for Oogie_14:

(1, 5098), (2, 5206), (Start: 3 @5308 has 5 MA's), (4, 5347), (5, 5383), (6, 5386), (7, 5398), (8, 5404), (9, 5413), (10, 5428), (11, 5470), (12, 5479), (13, 5488), (14, 5521), (15, 5560),

Gene: Pakusa_13 Start: 5192, Stop: 5434, Start Num: 4

Candidate Starts for Pakusa_13:

(1, 4943), (2, 5051), (Start: 3 @5153 has 5 MA's), (4, 5192), (5, 5228), (6, 5231), (7, 5243), (8, 5249), (9, 5258), (10, 5273), (11, 5315), (12, 5324), (13, 5333), (14, 5366), (15, 5405),

Gene: Schomber_13 Start: 5411, Stop: 5695, Start Num: 3

Candidate Starts for Schomber_13:

(1, 5201), (2, 5309), (Start: 3 @5411 has 5 MA's), (4, 5450), (5, 5486), (6, 5489), (7, 5501), (8, 5507), (9, 5516), (10, 5531), (11, 5573), (12, 5582), (14, 5624), (15, 5663),