



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 106648 Report

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

Pham number 106648 has 19 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Gilberta_46, Jabith_46, Petersenfast_44, Snape_45, Hutc2_45, Lucivia_46, Orange_45, Aneem_46, Insomnia_45, Bud_45, Joselito_46, Bachome_47, Fibonacci_45, Munch_46, MaCh_46, Mulciber_45, Bowtie_46
- Track 2 : Flaverint_46, Sham4_45

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 15 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aneem_46, Bachome_47, Bowtie_46, Bud_45, Fibonacci_45, Gilberta_46, Hutc2_45, Insomnia_45, Jabith_46, Joselito_46, Lucivia_46, MaCh_46, Mulciber_45, Munch_46, Orange_45, Petersenfast_44, Snape_45,

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

- Flaverint_46, Sham4_45,

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

-

Summary by start number:

Start 1:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 17
- Called 10.5% of time when present
- Phage (with cluster) where this start called: Flaverint_46 (A11), Sham4_45 (A11),

Start 2:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 17
- Called 89.5% of time when present

- Phage (with cluster) where this start called: Aneem_46 (A11), Bachome_47 (A11), Bowtie_46 (A11), Bud_45 (A11), Fibonacci_45 (A11), Gilberta_46 (A11), Hutc2_45 (A11), Insomnia_45 (A11), Jabith_46 (A11), Joselito_46 (A11), Lucivia_46 (A11), MaCh_46 (A11), Mulciber_45 (A11), Munch_46 (A11), Orange_45 (A11), Petersenfast_44 (A11), Snape_45 (A11),

Summary by clusters:

There is one cluster represented in this pham: A11

Info for manual annotations of cluster A11:

- Start number 1 was manually annotated 2 times for cluster A11.
- Start number 2 was manually annotated 15 times for cluster A11.

Gene Information:

Gene: Aneem_46 Start: 31023, Stop: 30784, Start Num: 2

Candidate Starts for Aneem_46:

(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 15 MA's), (3, 30804), (4, 30789),

Gene: Bachome_47 Start: 31011, Stop: 30772, Start Num: 2

Candidate Starts for Bachome_47:

(Start: 1 @31020 has 2 MA's), (Start: 2 @31011 has 15 MA's), (3, 30792), (4, 30777),

Gene: Bowtie_46 Start: 31030, Stop: 30791, Start Num: 2

Candidate Starts for Bowtie_46:

(Start: 1 @31039 has 2 MA's), (Start: 2 @31030 has 15 MA's), (3, 30811), (4, 30796),

Gene: Bud_45 Start: 30585, Stop: 30346, Start Num: 2

Candidate Starts for Bud_45:

(Start: 1 @30594 has 2 MA's), (Start: 2 @30585 has 15 MA's), (3, 30366), (4, 30351),

Gene: Fibonacci_45 Start: 30577, Stop: 30338, Start Num: 2

Candidate Starts for Fibonacci_45:

(Start: 1 @30586 has 2 MA's), (Start: 2 @30577 has 15 MA's), (3, 30358), (4, 30343),

Gene: Flaverint_46 Start: 31033, Stop: 30785, Start Num: 1

Candidate Starts for Flaverint_46:

(Start: 1 @31033 has 2 MA's), (Start: 2 @31024 has 15 MA's), (3, 30805), (4, 30790),

Gene: Gilberta_46 Start: 31014, Stop: 30775, Start Num: 2

Candidate Starts for Gilberta_46:

(Start: 1 @31023 has 2 MA's), (Start: 2 @31014 has 15 MA's), (3, 30795), (4, 30780),

Gene: Hutc2_45 Start: 30577, Stop: 30338, Start Num: 2

Candidate Starts for Hutc2_45:

(Start: 1 @30586 has 2 MA's), (Start: 2 @30577 has 15 MA's), (3, 30358), (4, 30343),

Gene: Insomnia_45 Start: 31082, Stop: 30843, Start Num: 2

Candidate Starts for Insomnia_45:

(Start: 1 @31091 has 2 MA's), (Start: 2 @31082 has 15 MA's), (3, 30863), (4, 30848),

Gene: Jabith_46 Start: 31083, Stop: 30844, Start Num: 2

Candidate Starts for Jabith_46:

(Start: 1 @31092 has 2 MA's), (Start: 2 @31083 has 15 MA's), (3, 30864), (4, 30849),

Gene: Joselito_46 Start: 31023, Stop: 30784, Start Num: 2

Candidate Starts for Joselito_46:

(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 15 MA's), (3, 30804), (4, 30789),

Gene: Lucivia_46 Start: 31072, Stop: 30833, Start Num: 2

Candidate Starts for Lucivia_46:

(Start: 1 @31081 has 2 MA's), (Start: 2 @31072 has 15 MA's), (3, 30853), (4, 30838),

Gene: MaCh_46 Start: 31010, Stop: 30771, Start Num: 2

Candidate Starts for MaCh_46:

(Start: 1 @31019 has 2 MA's), (Start: 2 @31010 has 15 MA's), (3, 30791), (4, 30776),

Gene: Mulciber_45 Start: 30574, Stop: 30335, Start Num: 2

Candidate Starts for Mulciber_45:

(Start: 1 @30583 has 2 MA's), (Start: 2 @30574 has 15 MA's), (3, 30355), (4, 30340),

Gene: Munch_46 Start: 31023, Stop: 30784, Start Num: 2

Candidate Starts for Munch_46:

(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 15 MA's), (3, 30804), (4, 30789),

Gene: Orange_45 Start: 30572, Stop: 30333, Start Num: 2

Candidate Starts for Orange_45:

(Start: 1 @30581 has 2 MA's), (Start: 2 @30572 has 15 MA's), (3, 30353), (4, 30338),

Gene: Petersenfast_44 Start: 30579, Stop: 30340, Start Num: 2

Candidate Starts for Petersenfast_44:

(Start: 1 @30588 has 2 MA's), (Start: 2 @30579 has 15 MA's), (3, 30360), (4, 30345),

Gene: Sham4_45 Start: 30587, Stop: 30339, Start Num: 1

Candidate Starts for Sham4_45:

(Start: 1 @30587 has 2 MA's), (Start: 2 @30578 has 15 MA's), (3, 30359), (4, 30344),

Gene: Snape_45 Start: 30576, Stop: 30337, Start Num: 2

Candidate Starts for Snape_45:

(Start: 1 @30585 has 2 MA's), (Start: 2 @30576 has 15 MA's), (3, 30357), (4, 30342),