



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 106543 Report

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

Pham number 106543 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Salz_43, Flaverint_44, Orange_43, Bachome_45, MaCh_44, Bowtie_44, Et2Brutus_43, Hutc2_43, Jabith_44, Insomnia_43, Timothy_44, Sham4_43, Mulciber_43, Ebony_44, Snape_43, TinyTimmy_43, Munch_44, Fibonacci_43, Petersenfast_42, Gilberta_44, Aneem_44, Joselito_44, Mabel_44, Lucivia_44
- Track 2 : Bud_43

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aneem_44, Bachome_45, Bowtie_44, Bud_43, Ebony_44, Et2Brutus_43, Fibonacci_43, Flaverint_44, Gilberta_44, Hutc2_43, Insomnia_43, Jabith_44, Joselito_44, Lucivia_44, MaCh_44, Mabel_44, Mulciber_43, Munch_44, Orange_43, Petersenfast_42, Salz_43, Sham4_43, Snape_43, Timothy_44, TinyTimmy_43,

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

-

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

-

Summary by start number:

Start 2:

- Found in 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aneem_44 (A11), Bachome_45 (A11), Bowtie_44 (A11), Bud_43 (A11), Ebony_44 (A11), Et2Brutus_43 (A11), Fibonacci_43 (A11), Flaverint_44 (A11), Gilberta_44 (A11), Hutc2_43 (A11), Insomnia_43 (A11), Jabith_44 (A11), Joselito_44 (A11), Lucivia_44 (A11), MaCh_44 (A11), Mabel_44 (A11), Mulciber_43 (A11), Munch_44 (A11), Orange_43 (A11), Petersenfast_42

(A11), Salz_43 (A11), Sham4_43 (A11), Snape_43 (A11), Timothy_44 (A11), TinyTimmy_43 (A11),

Summary by clusters:

There is one cluster represented in this pham: A11

Info for manual annotations of cluster A11:

•Start number 2 was manually annotated 22 times for cluster A11.

Gene Information:

Gene: Aneem_44 Start: 28978, Stop: 28823, Start Num: 2

Candidate Starts for Aneem_44:

(1, 29032), (Start: 2 @28978 has 22 MA's), (3, 28912),

Gene: Bachome_45 Start: 28966, Stop: 28811, Start Num: 2

Candidate Starts for Bachome_45:

(1, 29020), (Start: 2 @28966 has 22 MA's), (3, 28900),

Gene: Bowtie_44 Start: 28985, Stop: 28830, Start Num: 2

Candidate Starts for Bowtie_44:

(1, 29039), (Start: 2 @28985 has 22 MA's), (3, 28919),

Gene: Bud_43 Start: 28540, Stop: 28385, Start Num: 2

Candidate Starts for Bud_43:

(1, 28594), (Start: 2 @28540 has 22 MA's), (3, 28474), (4, 28438), (5, 28435),

Gene: Ebony_44 Start: 28940, Stop: 28785, Start Num: 2

Candidate Starts for Ebony_44:

(1, 28994), (Start: 2 @28940 has 22 MA's), (3, 28874),

Gene: Et2Brutus_43 Start: 28900, Stop: 28745, Start Num: 2

Candidate Starts for Et2Brutus_43:

(1, 28954), (Start: 2 @28900 has 22 MA's), (3, 28834),

Gene: Fibonacci_43 Start: 28532, Stop: 28377, Start Num: 2

Candidate Starts for Fibonacci_43:

(1, 28586), (Start: 2 @28532 has 22 MA's), (3, 28466),

Gene: Flaverint_44 Start: 28979, Stop: 28824, Start Num: 2

Candidate Starts for Flaverint_44:

(1, 29033), (Start: 2 @28979 has 22 MA's), (3, 28913),

Gene: Gilberta_44 Start: 28969, Stop: 28814, Start Num: 2

Candidate Starts for Gilberta_44:

(1, 29023), (Start: 2 @28969 has 22 MA's), (3, 28903),

Gene: Hutc2_43 Start: 28532, Stop: 28377, Start Num: 2

Candidate Starts for Hutc2_43:

(1, 28586), (Start: 2 @28532 has 22 MA's), (3, 28466),

Gene: Insomnia_43 Start: 29037, Stop: 28882, Start Num: 2
Candidate Starts for Insomnia_43:
(1, 29091), (Start: 2 @29037 has 22 MA's), (3, 28971),

Gene: Jabith_44 Start: 29038, Stop: 28883, Start Num: 2
Candidate Starts for Jabith_44:
(1, 29092), (Start: 2 @29038 has 22 MA's), (3, 28972),

Gene: Joselito_44 Start: 28978, Stop: 28823, Start Num: 2
Candidate Starts for Joselito_44:
(1, 29032), (Start: 2 @28978 has 22 MA's), (3, 28912),

Gene: Lucivia_44 Start: 29027, Stop: 28872, Start Num: 2
Candidate Starts for Lucivia_44:
(1, 29081), (Start: 2 @29027 has 22 MA's), (3, 28961),

Gene: MaCh_44 Start: 28965, Stop: 28810, Start Num: 2
Candidate Starts for MaCh_44:
(1, 29019), (Start: 2 @28965 has 22 MA's), (3, 28899),

Gene: Mabel_44 Start: 28950, Stop: 28795, Start Num: 2
Candidate Starts for Mabel_44:
(1, 29004), (Start: 2 @28950 has 22 MA's), (3, 28884),

Gene: Mulciber_43 Start: 28529, Stop: 28374, Start Num: 2
Candidate Starts for Mulciber_43:
(1, 28583), (Start: 2 @28529 has 22 MA's), (3, 28463),

Gene: Munch_44 Start: 28978, Stop: 28823, Start Num: 2
Candidate Starts for Munch_44:
(1, 29032), (Start: 2 @28978 has 22 MA's), (3, 28912),

Gene: Orange_43 Start: 28527, Stop: 28372, Start Num: 2
Candidate Starts for Orange_43:
(1, 28581), (Start: 2 @28527 has 22 MA's), (3, 28461),

Gene: Petersenfast_42 Start: 28534, Stop: 28379, Start Num: 2
Candidate Starts for Petersenfast_42:
(1, 28588), (Start: 2 @28534 has 22 MA's), (3, 28468),

Gene: Salz_43 Start: 28888, Stop: 28733, Start Num: 2
Candidate Starts for Salz_43:
(1, 28942), (Start: 2 @28888 has 22 MA's), (3, 28822),

Gene: Sham4_43 Start: 28533, Stop: 28378, Start Num: 2
Candidate Starts for Sham4_43:
(1, 28587), (Start: 2 @28533 has 22 MA's), (3, 28467),

Gene: Snape_43 Start: 28531, Stop: 28376, Start Num: 2
Candidate Starts for Snape_43:
(1, 28585), (Start: 2 @28531 has 22 MA's), (3, 28465),

Gene: Timothy_44 Start: 28891, Stop: 28736, Start Num: 2

Candidate Starts for Timothy_44:

(1, 28945), (Start: 2 @28891 has 22 MA's), (3, 28825),

Gene: TinyTimmy_43 Start: 28934, Stop: 28779, Start Num: 2

Candidate Starts for TinyTimmy_43:

(1, 28988), (Start: 2 @28934 has 22 MA's), (3, 28868),