



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 106550 Report

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

Pham number 106550 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Timothy_38, MaCh_38, Bachome_39
- Track 2 : Sham4_37, Mulciber_37, Munch_38, Fibonacci_37, Aneem_38, Gilberta_38, Joselito_38, Mabel_38, Bud_37, Lucivia_38, Flaverint_38, Petersenfast_36, Salz_37, Jabith_38, Orange_37, Et2Brutus_37, Hutc2_37, Insomnia_37, Bowtie_38, TinyTimmy_37, Snape_37, Ebony_38

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

The start number called the most often in the published annotations is 1, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aneem_38, Bachome_39, Bowtie_38, Bud_37, Ebony_38, Et2Brutus_37, Fibonacci_37, Flaverint_38, Gilberta_38, Hutc2_37, Insomnia_37, Jabith_38, Joselito_38, Lucivia_38, MaCh_38, Mabel_38, Mulciber_37, Munch_38, Orange_37, Petersenfast_36, Salz_37, Sham4_37, Snape_37, Timothy_38, TinyTimmy_37,

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 1:

- 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_38 (A11), Bachome_39 (A11), Bowtie_38 (A11), Bud_37 (A11), Ebony_38 (A11), Et2Brutus_37 (A11), Fibonacci_37 (A11), Flaverint_38 (A11), Gilberta_38 (A11), Hutc2_37 (A11), Insomnia_37 (A11), Jabith_38 (A11), Joselito_38 (A11), Lucivia_38 (A11), MaCh_38 (A11), Mabel_38 (A11), Mulciber_37 (A11), Munch_38 (A11), Orange_37 (A11), Petersenfast_36

(A11), Salz_37 (A11), Sham4_37 (A11), Snape_37 (A11), Timothy_38 (A11), TinyTimmy_37 (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 22 times for cluster A11.

Gene Information:

Gene: Aneem_38 Start: 27584, Stop: 27429, Start Num: 1

Candidate Starts for Aneem_38:

(Start: 1 @27584 has 22 MA's), (2, 27527), (3, 27464),

Gene: Bachome_39 Start: 27572, Stop: 27417, Start Num: 1

Candidate Starts for Bachome_39:

(Start: 1 @27572 has 22 MA's), (2, 27515), (3, 27452),

Gene: Bowtie_38 Start: 27591, Stop: 27436, Start Num: 1

Candidate Starts for Bowtie_38:

(Start: 1 @27591 has 22 MA's), (2, 27534), (3, 27471),

Gene: Bud_37 Start: 27146, Stop: 26991, Start Num: 1

Candidate Starts for Bud_37:

(Start: 1 @27146 has 22 MA's), (2, 27089), (3, 27026),

Gene: Ebony_38 Start: 27546, Stop: 27391, Start Num: 1

Candidate Starts for Ebony_38:

(Start: 1 @27546 has 22 MA's), (2, 27489), (3, 27426),

Gene: Et2Brutus_37 Start: 27506, Stop: 27351, Start Num: 1

Candidate Starts for Et2Brutus_37:

(Start: 1 @27506 has 22 MA's), (2, 27449), (3, 27386),

Gene: Fibonacci_37 Start: 27138, Stop: 26983, Start Num: 1

Candidate Starts for Fibonacci_37:

(Start: 1 @27138 has 22 MA's), (2, 27081), (3, 27018),

Gene: Flaverint_38 Start: 27585, Stop: 27430, Start Num: 1

Candidate Starts for Flaverint_38:

(Start: 1 @27585 has 22 MA's), (2, 27528), (3, 27465),

Gene: Gilberta_38 Start: 27575, Stop: 27420, Start Num: 1

Candidate Starts for Gilberta_38:

(Start: 1 @27575 has 22 MA's), (2, 27518), (3, 27455),

Gene: Hutc2_37 Start: 27138, Stop: 26983, Start Num: 1

Candidate Starts for Hutc2_37:

(Start: 1 @27138 has 22 MA's), (2, 27081), (3, 27018),

Gene: Insomnia_37 Start: 27643, Stop: 27488, Start Num: 1
Candidate Starts for Insomnia_37:
(Start: 1 @27643 has 22 MA's), (2, 27586), (3, 27523),

Gene: Jabith_38 Start: 27644, Stop: 27489, Start Num: 1
Candidate Starts for Jabith_38:
(Start: 1 @27644 has 22 MA's), (2, 27587), (3, 27524),

Gene: Joselito_38 Start: 27584, Stop: 27429, Start Num: 1
Candidate Starts for Joselito_38:
(Start: 1 @27584 has 22 MA's), (2, 27527), (3, 27464),

Gene: Lucivia_38 Start: 27633, Stop: 27478, Start Num: 1
Candidate Starts for Lucivia_38:
(Start: 1 @27633 has 22 MA's), (2, 27576), (3, 27513),

Gene: MaCh_38 Start: 27571, Stop: 27416, Start Num: 1
Candidate Starts for MaCh_38:
(Start: 1 @27571 has 22 MA's), (2, 27514), (3, 27451),

Gene: Mabel_38 Start: 27556, Stop: 27401, Start Num: 1
Candidate Starts for Mabel_38:
(Start: 1 @27556 has 22 MA's), (2, 27499), (3, 27436),

Gene: Mulciber_37 Start: 27135, Stop: 26980, Start Num: 1
Candidate Starts for Mulciber_37:
(Start: 1 @27135 has 22 MA's), (2, 27078), (3, 27015),

Gene: Munch_38 Start: 27584, Stop: 27429, Start Num: 1
Candidate Starts for Munch_38:
(Start: 1 @27584 has 22 MA's), (2, 27527), (3, 27464),

Gene: Orange_37 Start: 27133, Stop: 26978, Start Num: 1
Candidate Starts for Orange_37:
(Start: 1 @27133 has 22 MA's), (2, 27076), (3, 27013),

Gene: Petersenfast_36 Start: 27140, Stop: 26985, Start Num: 1
Candidate Starts for Petersenfast_36:
(Start: 1 @27140 has 22 MA's), (2, 27083), (3, 27020),

Gene: Salz_37 Start: 27494, Stop: 27339, Start Num: 1
Candidate Starts for Salz_37:
(Start: 1 @27494 has 22 MA's), (2, 27437), (3, 27374),

Gene: Sham4_37 Start: 27139, Stop: 26984, Start Num: 1
Candidate Starts for Sham4_37:
(Start: 1 @27139 has 22 MA's), (2, 27082), (3, 27019),

Gene: Snape_37 Start: 27137, Stop: 26982, Start Num: 1
Candidate Starts for Snape_37:
(Start: 1 @27137 has 22 MA's), (2, 27080), (3, 27017),

Gene: Timothy_38 Start: 27497, Stop: 27342, Start Num: 1
Candidate Starts for Timothy_38:
(Start: 1 @27497 has 22 MA's), (2, 27440), (3, 27377),

Gene: TinyTimmy_37 Start: 27540, Stop: 27385, Start Num: 1
Candidate Starts for TinyTimmy_37:
(Start: 1 @27540 has 22 MA's), (2, 27483), (3, 27420),