



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 106551 Report

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

Pham number 106551 has 25 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Salz_42, Flaverint_43, Orange_42, Hutc2_42, Jabith_43, Bowtie_43, Joselito_43, Ebony_43, Snape_42, TinyTimmy_42, Mulciber_42, Munch_43, Gilberta_43, Aneem_43, Mabel_43, Lucivia_43, Fibonacci_42
- Track 2 : Bachome_44, MaCh_43, Insomnia_42, Timothy_43, Sham4_42, Petersenfast_41
- Track 3 : Et2Brutus_42
- Track 4 : Bud_42

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_43, Bachome_44, Bowtie_43, Bud_42, Ebony_43, Et2Brutus_42, Fibonacci_42, Flaverint_43, Gilberta_43, Hutc2_42, Insomnia_42, Jabith_43, Joselito_43, Lucivia_43, MaCh_43, Mabel_43, Mulciber_42, Munch_43, Orange_42, Petersenfast_41, Salz_42, Sham4_42, Snape_42, Timothy_43, TinyTimmy_42,

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_43 (A11), Bachome_44 (A11), Bowtie_43 (A11), Bud_42 (A11), Ebony_43 (A11), Et2Brutus_42 (A11), Fibonacci_42 (A11), Flaverint_43 (A11), Gilberta_43 (A11), Hutc2_42 (A11), Insomnia_42 (A11),

Jabith_43 (A11), Joselito_43 (A11), Lucivia_43 (A11), MaCh_43 (A11), Mabel_43 (A11), Mulciber_42 (A11), Munch_43 (A11), Orange_42 (A11), Petersenfast_41 (A11), Salz_42 (A11), Sham4_42 (A11), Snape_42 (A11), Timothy_43 (A11), TinyTimmy_42 (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_43 Start: 28833, Stop: 28639, Start Num: 1

Candidate Starts for Aneem_43:

(Start: 1 @28833 has 22 MA's), (3, 28806), (4, 28785), (7, 28710),

Gene: Bachome_44 Start: 28821, Stop: 28627, Start Num: 1

Candidate Starts for Bachome_44:

(Start: 1 @28821 has 22 MA's), (2, 28806), (3, 28794), (4, 28773), (7, 28698),

Gene: Bowtie_43 Start: 28840, Stop: 28646, Start Num: 1

Candidate Starts for Bowtie_43:

(Start: 1 @28840 has 22 MA's), (3, 28813), (4, 28792), (7, 28717),

Gene: Bud_42 Start: 28395, Stop: 28201, Start Num: 1

Candidate Starts for Bud_42:

(Start: 1 @28395 has 22 MA's), (3, 28368), (4, 28347), (6, 28281), (7, 28272),

Gene: Ebony_43 Start: 28795, Stop: 28601, Start Num: 1

Candidate Starts for Ebony_43:

(Start: 1 @28795 has 22 MA's), (3, 28768), (4, 28747), (7, 28672),

Gene: Et2Brutus_42 Start: 28755, Stop: 28561, Start Num: 1

Candidate Starts for Et2Brutus_42:

(Start: 1 @28755 has 22 MA's), (3, 28728), (4, 28707), (5, 28662), (7, 28632),

Gene: Fibonacci_42 Start: 28387, Stop: 28193, Start Num: 1

Candidate Starts for Fibonacci_42:

(Start: 1 @28387 has 22 MA's), (3, 28360), (4, 28339), (7, 28264),

Gene: Flaverint_43 Start: 28834, Stop: 28640, Start Num: 1

Candidate Starts for Flaverint_43:

(Start: 1 @28834 has 22 MA's), (3, 28807), (4, 28786), (7, 28711),

Gene: Gilberta_43 Start: 28824, Stop: 28630, Start Num: 1

Candidate Starts for Gilberta_43:

(Start: 1 @28824 has 22 MA's), (3, 28797), (4, 28776), (7, 28701),

Gene: Hutc2_42 Start: 28387, Stop: 28193, Start Num: 1

Candidate Starts for Hutc2_42:

(Start: 1 @28387 has 22 MA's), (3, 28360), (4, 28339), (7, 28264),

Gene: Insomnia_42 Start: 28892, Stop: 28698, Start Num: 1

Candidate Starts for Insomnia_42:

(Start: 1 @28892 has 22 MA's), (2, 28877), (3, 28865), (4, 28844), (7, 28769),

Gene: Jabith_43 Start: 28893, Stop: 28699, Start Num: 1

Candidate Starts for Jabith_43:

(Start: 1 @28893 has 22 MA's), (3, 28866), (4, 28845), (7, 28770),

Gene: Joselito_43 Start: 28833, Stop: 28639, Start Num: 1

Candidate Starts for Joselito_43:

(Start: 1 @28833 has 22 MA's), (3, 28806), (4, 28785), (7, 28710),

Gene: Lucivia_43 Start: 28882, Stop: 28688, Start Num: 1

Candidate Starts for Lucivia_43:

(Start: 1 @28882 has 22 MA's), (3, 28855), (4, 28834), (7, 28759),

Gene: MaCh_43 Start: 28820, Stop: 28626, Start Num: 1

Candidate Starts for MaCh_43:

(Start: 1 @28820 has 22 MA's), (2, 28805), (3, 28793), (4, 28772), (7, 28697),

Gene: Mabel_43 Start: 28805, Stop: 28611, Start Num: 1

Candidate Starts for Mabel_43:

(Start: 1 @28805 has 22 MA's), (3, 28778), (4, 28757), (7, 28682),

Gene: Mulciber_42 Start: 28384, Stop: 28190, Start Num: 1

Candidate Starts for Mulciber_42:

(Start: 1 @28384 has 22 MA's), (3, 28357), (4, 28336), (7, 28261),

Gene: Munch_43 Start: 28833, Stop: 28639, Start Num: 1

Candidate Starts for Munch_43:

(Start: 1 @28833 has 22 MA's), (3, 28806), (4, 28785), (7, 28710),

Gene: Orange_42 Start: 28382, Stop: 28188, Start Num: 1

Candidate Starts for Orange_42:

(Start: 1 @28382 has 22 MA's), (3, 28355), (4, 28334), (7, 28259),

Gene: Petersenfast_41 Start: 28389, Stop: 28195, Start Num: 1

Candidate Starts for Petersenfast_41:

(Start: 1 @28389 has 22 MA's), (2, 28374), (3, 28362), (4, 28341), (7, 28266),

Gene: Salz_42 Start: 28743, Stop: 28549, Start Num: 1

Candidate Starts for Salz_42:

(Start: 1 @28743 has 22 MA's), (3, 28716), (4, 28695), (7, 28620),

Gene: Sham4_42 Start: 28388, Stop: 28194, Start Num: 1

Candidate Starts for Sham4_42:

(Start: 1 @28388 has 22 MA's), (2, 28373), (3, 28361), (4, 28340), (7, 28265),

Gene: Snape_42 Start: 28386, Stop: 28192, Start Num: 1

Candidate Starts for Snape_42:

(Start: 1 @28386 has 22 MA's), (3, 28359), (4, 28338), (7, 28263),

Gene: Timothy_43 Start: 28746, Stop: 28552, Start Num: 1

Candidate Starts for Timothy_43:

(Start: 1 @28746 has 22 MA's), (2, 28731), (3, 28719), (4, 28698), (7, 28623),

Gene: TinyTimmy_42 Start: 28789, Stop: 28595, Start Num: 1

Candidate Starts for TinyTimmy_42:

(Start: 1 @28789 has 22 MA's), (3, 28762), (4, 28741), (7, 28666),