



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 171646 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171646 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : TinyTimmy_60, Lucivia_63, Salz_61, Orange_61, Flaverint_63, Bachome_64, Hutc2_61, Jabith_63, Bowtie_63, Insomnia_63, Petersenfast_60, Sham4_62, Mulciber_61, Timothy_62, Snape_62, Ebony_62, MaCh_62, Fibonacci_62, Munch_62, Et2Brutus_61, Aneem_63, Gilberta_63, Bud_61, Joselito_63
- Track 2 : Mabel_62
- Track 3 : Tomathan_64, Duplo_64, D29_59.1, Naji_64, Pomar16_63, Kerberos_64, D32_63, StarStuff_64, DBQu4n_64

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aneem_63, Bachome_64, Bowtie_63, Bud_61, D29_59.1, D32_63, DBQu4n_64, Duplo_64, Ebony_62, Et2Brutus_61, Fibonacci_62, Flaverint_63, Gilberta_63, Hutc2_61, Insomnia_63, Jabith_63, Joselito_63, Kerberos_64, Lucivia_63, MaCh_62, Mabel_62, Mulciber_61, Munch_62, Naji_64, Orange_61, Petersenfast_60, Pomar16_63, Salz_61, Sham4_62, Snape_62, StarStuff_64, Timothy_62, TinyTimmy_60, Tomathan_64,

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 34 of 34 (100.0%) of genes in pham
- Manual Annotations of this start: 32 of 32
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Aneem_63 (A11), Bachome_64 (A11), Bowtie_63 (A11), Bud_61 (A11), D29_59.1 (A2), D32_63 (A2), DBQu4n_64 (A2), Duplo_64 (A2), Ebony_62 (A11), Et2Brutus_61 (A11), Fibonacci_62 (A11), Flaverint_63 (A11), Gilberta_63 (A11), Hutc2_61 (A11), Insomnia_63 (A11), Jabith_63 (A11), Joselito_63 (A11), Kerberos_64 (A2), Lucivia_63 (A11), MaCh_62 (A11), Mabel_62 (A11), Mulciber_61 (A11), Munch_62 (A11), Naji_64 (A2), Orange_61 (A11), Petersenfast_60 (A11), Pomar16_63 (A2), Salz_61 (A11), Sham4_62 (A11), Snape_62 (A11), StarStuff_64 (A2), Timothy_62 (A11), TinyTimmy_60 (A11), Tomathan_64 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A11,

Info for manual annotations of cluster A11:

•Start number 1 was manually annotated 23 times for cluster A11.

Info for manual annotations of cluster A2:

•Start number 1 was manually annotated 9 times for cluster A2.

Gene Information:

Gene: Aneem_63 Start: 39459, Stop: 39322, Start Num: 1

Candidate Starts for Aneem_63:

(Start: 1 @39459 has 32 MA's), (4, 39387),

Gene: Bachome_64 Start: 39439, Stop: 39302, Start Num: 1

Candidate Starts for Bachome_64:

(Start: 1 @39439 has 32 MA's), (4, 39367),

Gene: Bowtie_63 Start: 39466, Stop: 39329, Start Num: 1

Candidate Starts for Bowtie_63:

(Start: 1 @39466 has 32 MA's), (4, 39394),

Gene: Bud_61 Start: 39013, Stop: 38876, Start Num: 1

Candidate Starts for Bud_61:

(Start: 1 @39013 has 32 MA's), (4, 38941),

Gene: D29_59.1 Start: 39706, Stop: 39563, Start Num: 1

Candidate Starts for D29_59.1:

(Start: 1 @39706 has 32 MA's), (2, 39697), (3, 39658), (4, 39634),

Gene: D32_63 Start: 39706, Stop: 39563, Start Num: 1

Candidate Starts for D32_63:

(Start: 1 @39706 has 32 MA's), (2, 39697), (3, 39658), (4, 39634),

Gene: DBQu4n_64 Start: 39687, Stop: 39544, Start Num: 1

Candidate Starts for DBQu4n_64:

(Start: 1 @39687 has 32 MA's), (2, 39678), (3, 39639), (4, 39615),

Gene: Duplo_64 Start: 39743, Stop: 39600, Start Num: 1

Candidate Starts for Duplo_64:
(Start: 1 @39743 has 32 MA's), (2, 39734), (3, 39695), (4, 39671),

Gene: Ebony_62 Start: 39030, Stop: 38893, Start Num: 1
Candidate Starts for Ebony_62:
(Start: 1 @39030 has 32 MA's), (4, 38958),

Gene: Et2Brutus_61 Start: 38993, Stop: 38856, Start Num: 1
Candidate Starts for Et2Brutus_61:
(Start: 1 @38993 has 32 MA's), (4, 38921),

Gene: Fibonacci_62 Start: 38999, Stop: 38862, Start Num: 1
Candidate Starts for Fibonacci_62:
(Start: 1 @38999 has 32 MA's), (4, 38927),

Gene: Flaverint_63 Start: 39457, Stop: 39320, Start Num: 1
Candidate Starts for Flaverint_63:
(Start: 1 @39457 has 32 MA's), (4, 39385),

Gene: Gilberta_63 Start: 39450, Stop: 39313, Start Num: 1
Candidate Starts for Gilberta_63:
(Start: 1 @39450 has 32 MA's), (4, 39378),

Gene: Hutc2_61 Start: 38999, Stop: 38862, Start Num: 1
Candidate Starts for Hutc2_61:
(Start: 1 @38999 has 32 MA's), (4, 38927),

Gene: Insomnia_63 Start: 39510, Stop: 39373, Start Num: 1
Candidate Starts for Insomnia_63:
(Start: 1 @39510 has 32 MA's), (4, 39438),

Gene: Jabith_63 Start: 39511, Stop: 39374, Start Num: 1
Candidate Starts for Jabith_63:
(Start: 1 @39511 has 32 MA's), (4, 39439),

Gene: Joselito_63 Start: 39459, Stop: 39322, Start Num: 1
Candidate Starts for Joselito_63:
(Start: 1 @39459 has 32 MA's), (4, 39387),

Gene: Kerberos_64 Start: 39705, Stop: 39562, Start Num: 1
Candidate Starts for Kerberos_64:
(Start: 1 @39705 has 32 MA's), (2, 39696), (3, 39657), (4, 39633),

Gene: Lucivia_63 Start: 39508, Stop: 39371, Start Num: 1
Candidate Starts for Lucivia_63:
(Start: 1 @39508 has 32 MA's), (4, 39436),

Gene: MaCh_62 Start: 39438, Stop: 39301, Start Num: 1
Candidate Starts for MaCh_62:
(Start: 1 @39438 has 32 MA's), (4, 39366),

Gene: Mabel_62 Start: 39455, Stop: 39318, Start Num: 1
Candidate Starts for Mabel_62:

(Start: 1 @39455 has 32 MA's), (4, 39383), (5, 39341),

Gene: Mulciber_61 Start: 38996, Stop: 38859, Start Num: 1

Candidate Starts for Mulciber_61:

(Start: 1 @38996 has 32 MA's), (4, 38924),

Gene: Munch_62 Start: 39459, Stop: 39322, Start Num: 1

Candidate Starts for Munch_62:

(Start: 1 @39459 has 32 MA's), (4, 39387),

Gene: Naji_64 Start: 39706, Stop: 39563, Start Num: 1

Candidate Starts for Naji_64:

(Start: 1 @39706 has 32 MA's), (2, 39697), (3, 39658), (4, 39634),

Gene: Orange_61 Start: 39008, Stop: 38871, Start Num: 1

Candidate Starts for Orange_61:

(Start: 1 @39008 has 32 MA's), (4, 38936),

Gene: Petersenfast_60 Start: 39007, Stop: 38870, Start Num: 1

Candidate Starts for Petersenfast_60:

(Start: 1 @39007 has 32 MA's), (4, 38935),

Gene: Pomar16_63 Start: 39746, Stop: 39603, Start Num: 1

Candidate Starts for Pomar16_63:

(Start: 1 @39746 has 32 MA's), (2, 39737), (3, 39698), (4, 39674),

Gene: Salz_61 Start: 38978, Stop: 38841, Start Num: 1

Candidate Starts for Salz_61:

(Start: 1 @38978 has 32 MA's), (4, 38906),

Gene: Sham4_62 Start: 39006, Stop: 38869, Start Num: 1

Candidate Starts for Sham4_62:

(Start: 1 @39006 has 32 MA's), (4, 38934),

Gene: Snape_62 Start: 38998, Stop: 38861, Start Num: 1

Candidate Starts for Snape_62:

(Start: 1 @38998 has 32 MA's), (4, 38926),

Gene: StarStuff_64 Start: 39708, Stop: 39565, Start Num: 1

Candidate Starts for StarStuff_64:

(Start: 1 @39708 has 32 MA's), (2, 39699), (3, 39660), (4, 39636),

Gene: Timothy_62 Start: 38975, Stop: 38838, Start Num: 1

Candidate Starts for Timothy_62:

(Start: 1 @38975 has 32 MA's), (4, 38903),

Gene: TinyTimmy_60 Start: 39024, Stop: 38887, Start Num: 1

Candidate Starts for TinyTimmy_60:

(Start: 1 @39024 has 32 MA's), (4, 38952),

Gene: Tomathan_64 Start: 39755, Stop: 39612, Start Num: 1

Candidate Starts for Tomathan_64:

(Start: 1 @39755 has 32 MA's), (2, 39746), (3, 39707), (4, 39683),

