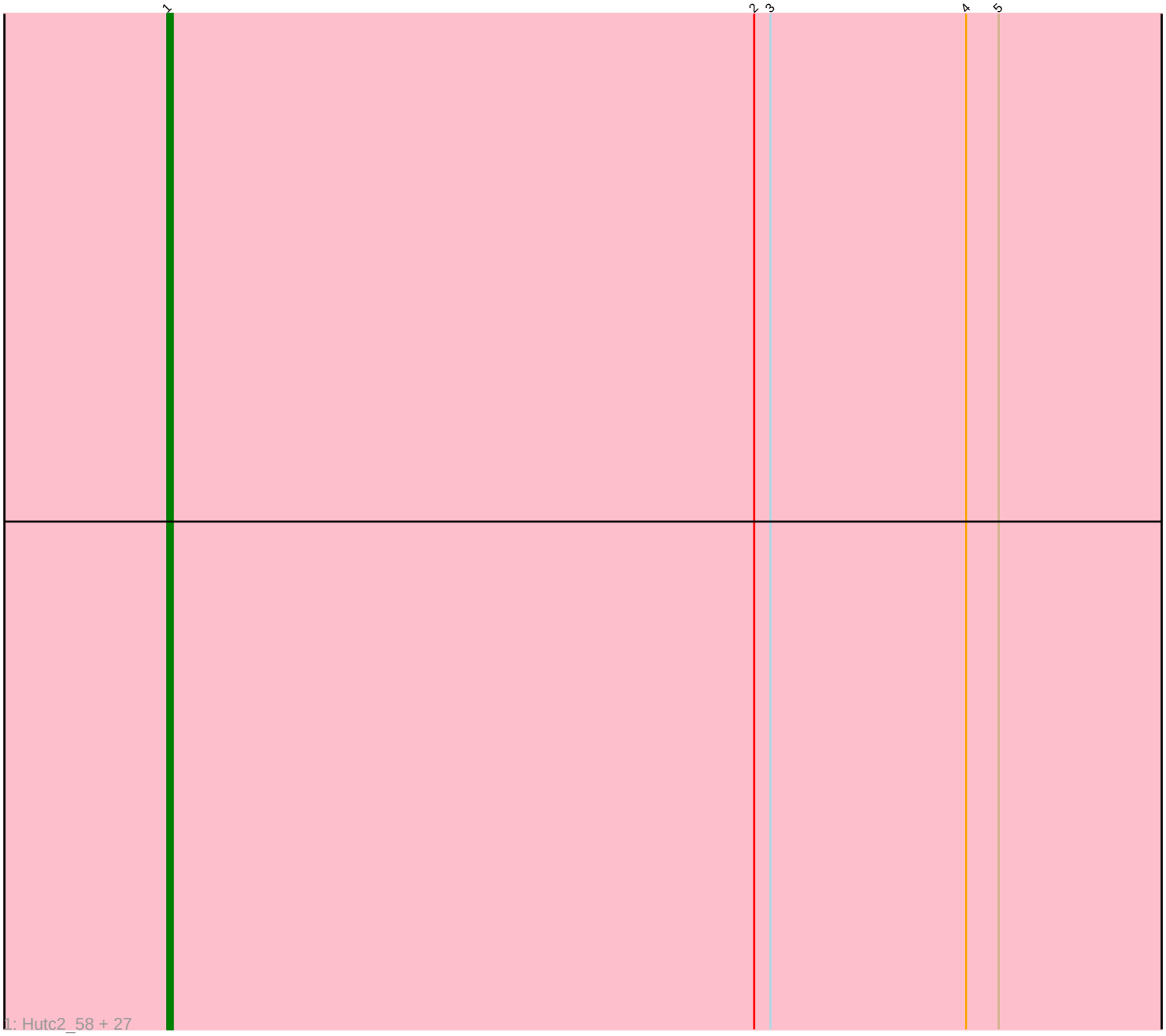
Pham 301653



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 301653 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301653 has 28 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Hutc2_58, Snape_58, Ebony_58, Kimba_58, TinyTimmy_58, Munch_59, Fibonacci_58, Petersenfast_57, Aneem_59, Bud_58, Gilberta_59, Joselito_59, Mabel_58, Salz_57, Flaverint_59, Lucivia_59, Orange_58, Bowtie_59, Saskia_59, Et2Brutus_57, Bachome_60, Insomnia_59, Wolpertinger_57, MaCh_59, Jabith_59, Timothy_58, Mulciber_58, Sham4_58

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aneem_59, Bachome_60, Bowtie_59, Bud_58, Ebony_58, Et2Brutus_57, Fibonacci_58, Flaverint_59, Gilberta_59, Hutc2_58, Insomnia_59, Jabith_59, Joselito_59, Kimba_58, Lucivia_59, MaCh_59, Mabel_58, Mulciber_58, Munch_59, Orange_58, Petersenfast_57, Salz_57, Saskia_59, Sham4_58, Snape_58, Timothy_58, TinyTimmy_58, Wolpertinger_57,

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 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aneem_59 (A11), Bachome_60 (A11), Bowtie_59 (A11), Bud_58 (A11), Ebony_58 (A11), Et2Brutus_57 (A11), Fibonacci_58 (A11), Flaverint_59 (A11), Gilberta_59 (A11), Hutc2_58 (A11), Insomnia_59 (A11), Jabith_59 (A11), Joselito_59 (A11), Kimba_58 (A11), Lucivia_59 (A11), MaCh_59

(A11), Mabel_58 (A11), Mulciber_58 (A11), Munch_59 (A11), Orange_58 (A11), Petersenfast_57 (A11), Salz_57 (A11), Saskia_59 (A11), Sham4_58 (A11), Snape_58 (A11), Timothy_58 (A11), TinyTimmy_58 (A11), Wolpertinger_57 (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 24 times for cluster A11.

Gene Information:

Gene: Aneem_59 Start: 38016, Stop: 37783, Start Num: 1
Candidate Starts for Aneem_59:
(Start: 1 @38016 has 24 MA's), (2, 37908), (3, 37905), (4, 37869), (5, 37863),

Gene: Bachome_60 Start: 37996, Stop: 37763, Start Num: 1
Candidate Starts for Bachome_60:
(Start: 1 @37996 has 24 MA's), (2, 37888), (3, 37885), (4, 37849), (5, 37843),

Gene: Bowtie_59 Start: 38023, Stop: 37790, Start Num: 1
Candidate Starts for Bowtie_59:
(Start: 1 @38023 has 24 MA's), (2, 37915), (3, 37912), (4, 37876), (5, 37870),

Gene: Bud_58 Start: 37570, Stop: 37337, Start Num: 1
Candidate Starts for Bud_58:
(Start: 1 @37570 has 24 MA's), (2, 37462), (3, 37459), (4, 37423), (5, 37417),

Gene: Ebony_58 Start: 37587, Stop: 37354, Start Num: 1
Candidate Starts for Ebony_58:
(Start: 1 @37587 has 24 MA's), (2, 37479), (3, 37476), (4, 37440), (5, 37434),

Gene: Et2Brutus_57 Start: 37550, Stop: 37317, Start Num: 1
Candidate Starts for Et2Brutus_57:
(Start: 1 @37550 has 24 MA's), (2, 37442), (3, 37439), (4, 37403), (5, 37397),

Gene: Fibonacci_58 Start: 37556, Stop: 37323, Start Num: 1
Candidate Starts for Fibonacci_58:
(Start: 1 @37556 has 24 MA's), (2, 37448), (3, 37445), (4, 37409), (5, 37403),

Gene: Flaverint_59 Start: 38014, Stop: 37781, Start Num: 1
Candidate Starts for Flaverint_59:
(Start: 1 @38014 has 24 MA's), (2, 37906), (3, 37903), (4, 37867), (5, 37861),

Gene: Gilberta_59 Start: 38007, Stop: 37774, Start Num: 1
Candidate Starts for Gilberta_59:
(Start: 1 @38007 has 24 MA's), (2, 37899), (3, 37896), (4, 37860), (5, 37854),

Gene: Hutc2_58 Start: 37556, Stop: 37323, Start Num: 1
Candidate Starts for Hutc2_58:

(Start: 1 @37556 has 24 MA's), (2, 37448), (3, 37445), (4, 37409), (5, 37403),

Gene: Insomnia_59 Start: 38067, Stop: 37834, Start Num: 1
Candidate Starts for Insomnia_59:
(Start: 1 @38067 has 24 MA's), (2, 37959), (3, 37956), (4, 37920), (5, 37914),

Gene: Jabith_59 Start: 38068, Stop: 37835, Start Num: 1
Candidate Starts for Jabith_59:
(Start: 1 @38068 has 24 MA's), (2, 37960), (3, 37957), (4, 37921), (5, 37915),

Gene: Joselito_59 Start: 38016, Stop: 37783, Start Num: 1
Candidate Starts for Joselito_59:
(Start: 1 @38016 has 24 MA's), (2, 37908), (3, 37905), (4, 37869), (5, 37863),

Gene: Kimba_58 Start: 37588, Stop: 37355, Start Num: 1
Candidate Starts for Kimba_58:
(Start: 1 @37588 has 24 MA's), (2, 37480), (3, 37477), (4, 37441), (5, 37435),

Gene: Lucivia_59 Start: 38065, Stop: 37832, Start Num: 1
Candidate Starts for Lucivia_59:
(Start: 1 @38065 has 24 MA's), (2, 37957), (3, 37954), (4, 37918), (5, 37912),

Gene: MaCh_59 Start: 37995, Stop: 37762, Start Num: 1
Candidate Starts for MaCh_59:
(Start: 1 @37995 has 24 MA's), (2, 37887), (3, 37884), (4, 37848), (5, 37842),

Gene: Mabel_58 Start: 37597, Stop: 37364, Start Num: 1
Candidate Starts for Mabel_58:
(Start: 1 @37597 has 24 MA's), (2, 37489), (3, 37486), (4, 37450), (5, 37444),

Gene: Mulciber_58 Start: 37553, Stop: 37320, Start Num: 1
Candidate Starts for Mulciber_58:
(Start: 1 @37553 has 24 MA's), (2, 37445), (3, 37442), (4, 37406), (5, 37400),

Gene: Munch_59 Start: 38016, Stop: 37783, Start Num: 1
Candidate Starts for Munch_59:
(Start: 1 @38016 has 24 MA's), (2, 37908), (3, 37905), (4, 37869), (5, 37863),

Gene: Orange_58 Start: 37565, Stop: 37332, Start Num: 1
Candidate Starts for Orange_58:
(Start: 1 @37565 has 24 MA's), (2, 37457), (3, 37454), (4, 37418), (5, 37412),

Gene: Petersenfast_57 Start: 37564, Stop: 37331, Start Num: 1
Candidate Starts for Petersenfast_57:
(Start: 1 @37564 has 24 MA's), (2, 37456), (3, 37453), (4, 37417), (5, 37411),

Gene: Salz_57 Start: 37535, Stop: 37302, Start Num: 1
Candidate Starts for Salz_57:
(Start: 1 @37535 has 24 MA's), (2, 37427), (3, 37424), (4, 37388), (5, 37382),

Gene: Saskia_59 Start: 37563, Stop: 37330, Start Num: 1
Candidate Starts for Saskia_59:
(Start: 1 @37563 has 24 MA's), (2, 37455), (3, 37452), (4, 37416), (5, 37410),

Gene: Sham4_58 Start: 37563, Stop: 37330, Start Num: 1
Candidate Starts for Sham4_58:
(Start: 1 @37563 has 24 MA's), (2, 37455), (3, 37452), (4, 37416), (5, 37410),

Gene: Snape_58 Start: 37555, Stop: 37322, Start Num: 1
Candidate Starts for Snape_58:
(Start: 1 @37555 has 24 MA's), (2, 37447), (3, 37444), (4, 37408), (5, 37402),

Gene: Timothy_58 Start: 37532, Stop: 37299, Start Num: 1
Candidate Starts for Timothy_58:
(Start: 1 @37532 has 24 MA's), (2, 37424), (3, 37421), (4, 37385), (5, 37379),

Gene: TinyTimmy_58 Start: 37581, Stop: 37348, Start Num: 1
Candidate Starts for TinyTimmy_58:
(Start: 1 @37581 has 24 MA's), (2, 37473), (3, 37470), (4, 37434), (5, 37428),

Gene: Wolpertinger_57 Start: 37564, Stop: 37331, Start Num: 1
Candidate Starts for Wolpertinger_57:
(Start: 1 @37564 has 24 MA's), (2, 37456), (3, 37453), (4, 37417), (5, 37411),