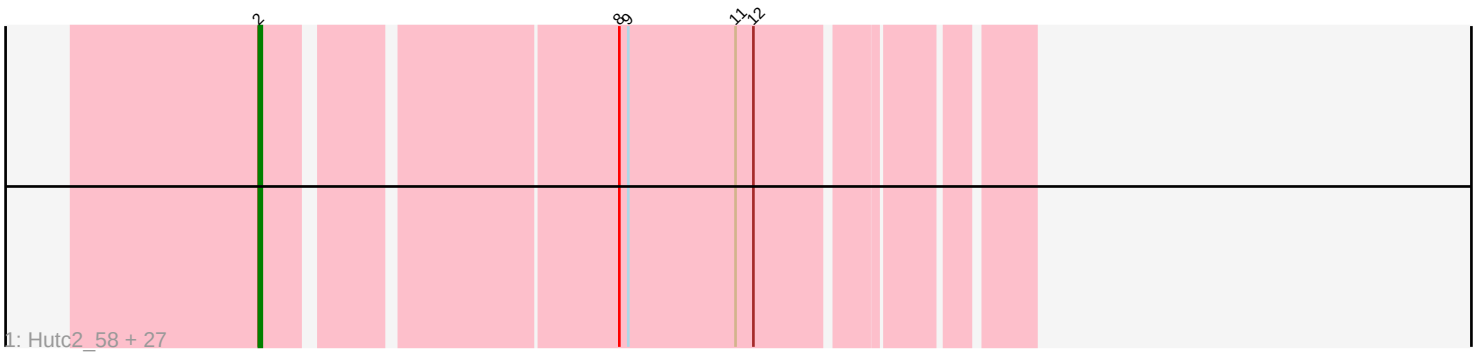
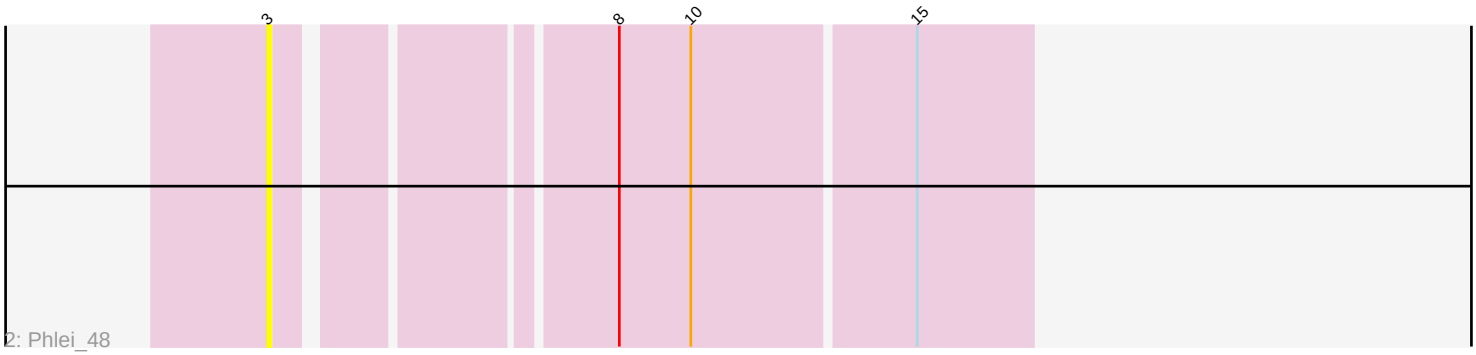
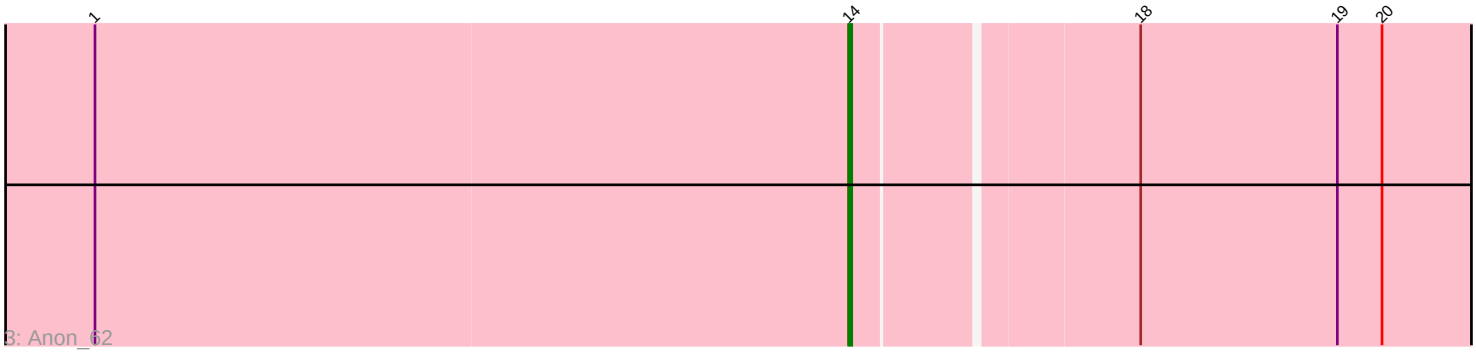
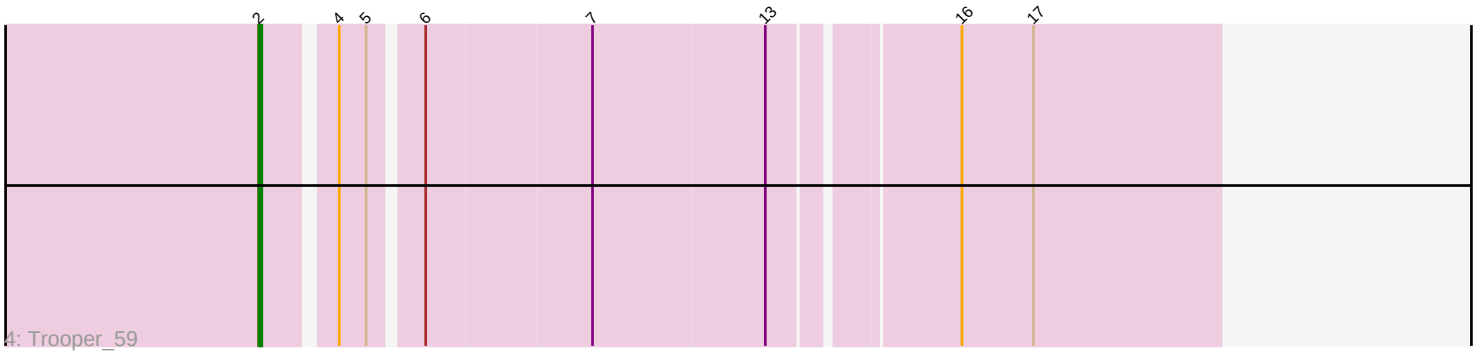
Pham 339904


2
8
9
11
12
1: Hutc2_58 + 27


3
8
10
15
2: Phlei_48


1
14
18
19
20
3: Anon_62


2
4
5
6
7
13
16
17
4: Trooper_59

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 339904 Report

This analysis was run 11/14/26 on database version 672.

Pham number 339904 has 31 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hutc2_58, Snape_58, Ebony_58, Kimba_58, TinyTimmy_58, Munch_59, Fibonacci_58, Petersenfast_58, 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
• Track 2 : Phlei_48
• Track 3 : Anon_62
• Track 4 : Trooper_59

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 29 of the 30 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_58, Salz_57, Saskia_59, Sham4_58, Snape_58, Timothy_58, TinyTimmy_58, Trooper_59, Wolpertinger_57,

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

Genes that do not have the "Most Annotated" start:
• Anon_62, Phlei_48,

Summary by start number:

Start 2:
• Found in 29 of 31 (93.5%) of genes in pham
• Manual Annotations of this start: 29 of 30
• 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_58 (A11), Salz_57 (A11), Saskia_59 (A11), Sham4_58 (A11), Snape_58 (A11), Timothy_58 (A11), TinyTimmy_58 (A11), Trooper_59 (A2), Wolpertinger_57 (A11),

Start 3:
• Found in 1 of 31 (3.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phlei_48 (A13),

Start 14:
• Found in 1 of 31 (3.2%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anon_62 (A15),

Summary by clusters:

There are 4 clusters represented in this pham: A15, A2, A11, A13,

Info for manual annotations of cluster A11:
•Start number 2 was manually annotated 28 times for cluster A11.

Info for manual annotations of cluster A15:
•Start number 14 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A2:
•Start number 2 was manually annotated 1 time for cluster A2.

Gene Information:

Gene: Aneem_59 Start: 38016, Stop: 37783, Start Num: 2
Candidate Starts for Aneem_59:
(Start: 2 @38016 has 29 MA's), (8, 37908), (9, 37905), (11, 37869), (12, 37863),

Gene: Anon_62 Start: 37443, Stop: 37213, Start Num: 14
Candidate Starts for Anon_62:
(1, 37695), (Start: 14 @37443 has 1 MA's), (18, 37353), (19, 37287), (20, 37272),

Gene: Bachome_60 Start: 37996, Stop: 37763, Start Num: 2
Candidate Starts for Bachome_60:
(Start: 2 @37996 has 29 MA's), (8, 37888), (9, 37885), (11, 37849), (12, 37843),

Gene: Bowtie_59 Start: 38023, Stop: 37790, Start Num: 2
Candidate Starts for Bowtie_59:

(Start: 2 @38023 has 29 MA's), (8, 37915), (9, 37912), (11, 37876), (12, 37870),

Gene: Bud_58 Start: 37570, Stop: 37337, Start Num: 2
Candidate Starts for Bud_58:
(Start: 2 @37570 has 29 MA's), (8, 37462), (9, 37459), (11, 37423), (12, 37417),

Gene: Ebony_58 Start: 37587, Stop: 37354, Start Num: 2
Candidate Starts for Ebony_58:
(Start: 2 @37587 has 29 MA's), (8, 37479), (9, 37476), (11, 37440), (12, 37434),

Gene: Et2Brutus_57 Start: 37550, Stop: 37317, Start Num: 2
Candidate Starts for Et2Brutus_57:
(Start: 2 @37550 has 29 MA's), (8, 37442), (9, 37439), (11, 37403), (12, 37397),

Gene: Fibonacci_58 Start: 37556, Stop: 37323, Start Num: 2
Candidate Starts for Fibonacci_58:
(Start: 2 @37556 has 29 MA's), (8, 37448), (9, 37445), (11, 37409), (12, 37403),

Gene: Flaverint_59 Start: 38014, Stop: 37781, Start Num: 2
Candidate Starts for Flaverint_59:
(Start: 2 @38014 has 29 MA's), (8, 37906), (9, 37903), (11, 37867), (12, 37861),

Gene: Gilberta_59 Start: 38007, Stop: 37774, Start Num: 2
Candidate Starts for Gilberta_59:
(Start: 2 @38007 has 29 MA's), (8, 37899), (9, 37896), (11, 37860), (12, 37854),

Gene: Hutc2_58 Start: 37556, Stop: 37323, Start Num: 2
Candidate Starts for Hutc2_58:
(Start: 2 @37556 has 29 MA's), (8, 37448), (9, 37445), (11, 37409), (12, 37403),

Gene: Insomnia_59 Start: 38067, Stop: 37834, Start Num: 2
Candidate Starts for Insomnia_59:
(Start: 2 @38067 has 29 MA's), (8, 37959), (9, 37956), (11, 37920), (12, 37914),

Gene: Jabith_59 Start: 38068, Stop: 37835, Start Num: 2
Candidate Starts for Jabith_59:
(Start: 2 @38068 has 29 MA's), (8, 37960), (9, 37957), (11, 37921), (12, 37915),

Gene: Joselito_59 Start: 38016, Stop: 37783, Start Num: 2
Candidate Starts for Joselito_59:
(Start: 2 @38016 has 29 MA's), (8, 37908), (9, 37905), (11, 37869), (12, 37863),

Gene: Kimba_58 Start: 37588, Stop: 37355, Start Num: 2
Candidate Starts for Kimba_58:
(Start: 2 @37588 has 29 MA's), (8, 37480), (9, 37477), (11, 37441), (12, 37435),

Gene: Lucivia_59 Start: 38065, Stop: 37832, Start Num: 2
Candidate Starts for Lucivia_59:
(Start: 2 @38065 has 29 MA's), (8, 37957), (9, 37954), (11, 37918), (12, 37912),

Gene: MaCh_59 Start: 37995, Stop: 37762, Start Num: 2
Candidate Starts for MaCh_59:
(Start: 2 @37995 has 29 MA's), (8, 37887), (9, 37884), (11, 37848), (12, 37842),

Gene: Mabel_58 Start: 37597, Stop: 37364, Start Num: 2
Candidate Starts for Mabel_58:
(Start: 2 @37597 has 29 MA's), (8, 37489), (9, 37486), (11, 37450), (12, 37444),

Gene: Mulciber_58 Start: 37553, Stop: 37320, Start Num: 2
Candidate Starts for Mulciber_58:
(Start: 2 @37553 has 29 MA's), (8, 37445), (9, 37442), (11, 37406), (12, 37400),

Gene: Munch_59 Start: 38016, Stop: 37783, Start Num: 2
Candidate Starts for Munch_59:
(Start: 2 @38016 has 29 MA's), (8, 37908), (9, 37905), (11, 37869), (12, 37863),

Gene: Orange_58 Start: 37565, Stop: 37332, Start Num: 2
Candidate Starts for Orange_58:
(Start: 2 @37565 has 29 MA's), (8, 37457), (9, 37454), (11, 37418), (12, 37412),

Gene: Petersenfast_58 Start: 37564, Stop: 37331, Start Num: 2
Candidate Starts for Petersenfast_58:
(Start: 2 @37564 has 29 MA's), (8, 37456), (9, 37453), (11, 37417), (12, 37411),

Gene: Phlei_48 Start: 38140, Stop: 37907, Start Num: 3
Candidate Starts for Phlei_48:
(3, 38140), (8, 38041), (10, 38017), (15, 37945),

Gene: Salz_57 Start: 37535, Stop: 37302, Start Num: 2
Candidate Starts for Salz_57:
(Start: 2 @37535 has 29 MA's), (8, 37427), (9, 37424), (11, 37388), (12, 37382),

Gene: Saskia_59 Start: 37563, Stop: 37330, Start Num: 2
Candidate Starts for Saskia_59:
(Start: 2 @37563 has 29 MA's), (8, 37455), (9, 37452), (11, 37416), (12, 37410),

Gene: Sham4_58 Start: 37563, Stop: 37330, Start Num: 2
Candidate Starts for Sham4_58:
(Start: 2 @37563 has 29 MA's), (8, 37455), (9, 37452), (11, 37416), (12, 37410),

Gene: Snape_58 Start: 37555, Stop: 37322, Start Num: 2
Candidate Starts for Snape_58:
(Start: 2 @37555 has 29 MA's), (8, 37447), (9, 37444), (11, 37408), (12, 37402),

Gene: Timothy_58 Start: 37532, Stop: 37299, Start Num: 2
Candidate Starts for Timothy_58:
(Start: 2 @37532 has 29 MA's), (8, 37424), (9, 37421), (11, 37385), (12, 37379),

Gene: TinyTimmy_58 Start: 37581, Stop: 37348, Start Num: 2
Candidate Starts for TinyTimmy_58:
(Start: 2 @37581 has 29 MA's), (8, 37473), (9, 37470), (11, 37434), (12, 37428),

Gene: Trooper_59 Start: 38824, Stop: 38525, Start Num: 2
Candidate Starts for Trooper_59:
(Start: 2 @38824 has 29 MA's), (4, 38803), (5, 38794), (6, 38779), (7, 38725), (13, 38668), (16, 38611), (17, 38587),

Gene: Wolpertinger_57 Start: 37564, Stop: 37331, Start Num: 2
Candidate Starts for Wolpertinger_57:
(Start: 2 @37564 has 29 MA's), (8, 37456), (9, 37453), (11, 37417), (12, 37411),