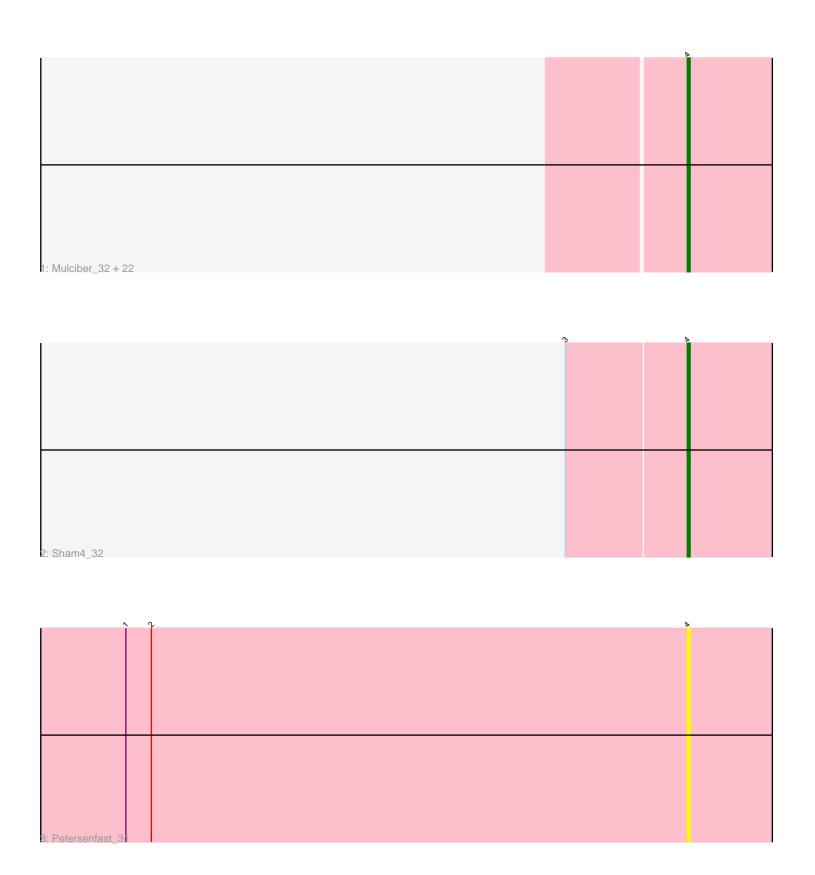# Pham 106561

1: Mulciber_32 + 22

2: Sham4_32

3: Petersenfast_31

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 106561 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106561 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Mulciber_32, Timothy_33, Munch_33, Fibonacci_32, Aneem_33, Joselito_33, Mabel_33, Gilberta_33, Lucivia_33, TinyTimmy_32, Bud_32, Flaverint_33, Jabith_33, Et2Brutus_32, Bachome_33, MaCh_33, Orange_32, Hutc2_32, Bowtie_33, Salz_33, Insomnia_32, Snape_32, Ebony_33
• Track 2 : Sham4_32
• Track 3 : Petersenfast_31

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

The start number called the most often in the published annotations is 4, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aneem_33, Bachome_33, Bowtie_33, Bud_32, Ebony_33, Et2Brutus_32, Fibonacci_32, Flaverint_33, Gilberta_33, Hutc2_32, Insomnia_32, Jabith_33, Joselito_33, Lucivia_33, MaCh_33, Mabel_33, Mulciber_32, Munch_33, Orange_32, Petersenfast_31, Salz_33, Sham4_32, Snape_32, Timothy_33, TinyTimmy_32,

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 4:
• 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_33 (A11), Bachome_33 (A11), Bowtie_33 (A11), Bud_32 (A11), Ebony_33 (A11), Et2Brutus_32 (A11), Fibonacci_32 (A11), Flaverint_33 (A11), Gilberta_33 (A11), Hutc2_32 (A11), Insomnia_32 (A11), Jabith_33 (A11), Joselito_33 (A11), Lucivia_33 (A11), MaCh_33 (A11), Mabel_33

(A11), Mulciber_32 (A11), Munch_33 (A11), Orange_32 (A11), Petersenfast_31 (A11), Salz_33 (A11), Sham4_32 (A11), Snape_32 (A11), Timothy_33 (A11), TinyTimmy_32 (A11),

Summary by clusters:

There is one cluster represented in this pham: A11

Info for manual annotations of cluster A11:
•Start number 4 was manually annotated 22 times for cluster A11.

Gene Information:

Gene: Aneem_33 Start: 25627, Stop: 25791, Start Num: 4
Candidate Starts for Aneem_33:
(Start: 4 @25627 has 22 MA's),

Gene: Bachome_33 Start: 25615, Stop: 25779, Start Num: 4
Candidate Starts for Bachome_33:
(Start: 4 @25615 has 22 MA's),

Gene: Bowtie_33 Start: 25627, Stop: 25791, Start Num: 4
Candidate Starts for Bowtie_33:
(Start: 4 @25627 has 22 MA's),

Gene: Bud_32 Start: 25182, Stop: 25346, Start Num: 4
Candidate Starts for Bud_32:
(Start: 4 @25182 has 22 MA's),

Gene: Ebony_33 Start: 25582, Stop: 25746, Start Num: 4
Candidate Starts for Ebony_33:
(Start: 4 @25582 has 22 MA's),

Gene: Et2Brutus_32 Start: 25542, Stop: 25706, Start Num: 4
Candidate Starts for Et2Brutus_32:
(Start: 4 @25542 has 22 MA's),

Gene: Fibonacci_32 Start: 25173, Stop: 25337, Start Num: 4
Candidate Starts for Fibonacci_32:
(Start: 4 @25173 has 22 MA's),

Gene: Flaverint_33 Start: 25621, Stop: 25785, Start Num: 4
Candidate Starts for Flaverint_33:
(Start: 4 @25621 has 22 MA's),

Gene: Gilberta_33 Start: 25618, Stop: 25782, Start Num: 4
Candidate Starts for Gilberta_33:
(Start: 4 @25618 has 22 MA's),

Gene: Hutc2_32 Start: 25173, Stop: 25337, Start Num: 4
Candidate Starts for Hutc2_32:

(Start: 4 @25173 has 22 MA's),

Gene: Insomnia_32 Start: 25679, Stop: 25843, Start Num: 4
Candidate Starts for Insomnia_32:
(Start: 4 @25679 has 22 MA's),

Gene: Jabith_33 Start: 25679, Stop: 25843, Start Num: 4
Candidate Starts for Jabith_33:
(Start: 4 @25679 has 22 MA's),

Gene: Joselito_33 Start: 25627, Stop: 25791, Start Num: 4
Candidate Starts for Joselito_33:
(Start: 4 @25627 has 22 MA's),

Gene: Lucivia_33 Start: 25676, Stop: 25840, Start Num: 4
Candidate Starts for Lucivia_33:
(Start: 4 @25676 has 22 MA's),

Gene: MaCh_33 Start: 25615, Stop: 25779, Start Num: 4
Candidate Starts for MaCh_33:
(Start: 4 @25615 has 22 MA's),

Gene: Mabel_33 Start: 25591, Stop: 25755, Start Num: 4
Candidate Starts for Mabel_33:
(Start: 4 @25591 has 22 MA's),

Gene: Mulciber_32 Start: 25170, Stop: 25334, Start Num: 4
Candidate Starts for Mulciber_32:
(Start: 4 @25170 has 22 MA's),

Gene: Munch_33 Start: 25627, Stop: 25791, Start Num: 4
Candidate Starts for Munch_33:
(Start: 4 @25627 has 22 MA's),

Gene: Orange_32 Start: 25176, Stop: 25340, Start Num: 4
Candidate Starts for Orange_32:
(Start: 4 @25176 has 22 MA's),

Gene: Petersenfast_31 Start: 25175, Stop: 25339, Start Num: 4
Candidate Starts for Petersenfast_31:
(1, 24977), (2, 24986), (Start: 4 @25175 has 22 MA's),

Gene: Salz_33 Start: 25530, Stop: 25694, Start Num: 4
Candidate Starts for Salz_33:
(Start: 4 @25530 has 22 MA's),

Gene: Sham4_32 Start: 25174, Stop: 25338, Start Num: 4
Candidate Starts for Sham4_32:
(3, 25132), (Start: 4 @25174 has 22 MA's),

Gene: Snape_32 Start: 25173, Stop: 25337, Start Num: 4
Candidate Starts for Snape_32:
(Start: 4 @25173 has 22 MA's),

Gene: Timothy_33 Start: 25533, Stop: 25697, Start Num: 4
Candidate Starts for Timothy_33:
(Start: 4 @25533 has 22 MA's),

Gene: TinyTimmy_32 Start: 25576, Stop: 25740, Start Num: 4
Candidate Starts for TinyTimmy_32:
(Start: 4 @25576 has 22 MA's),