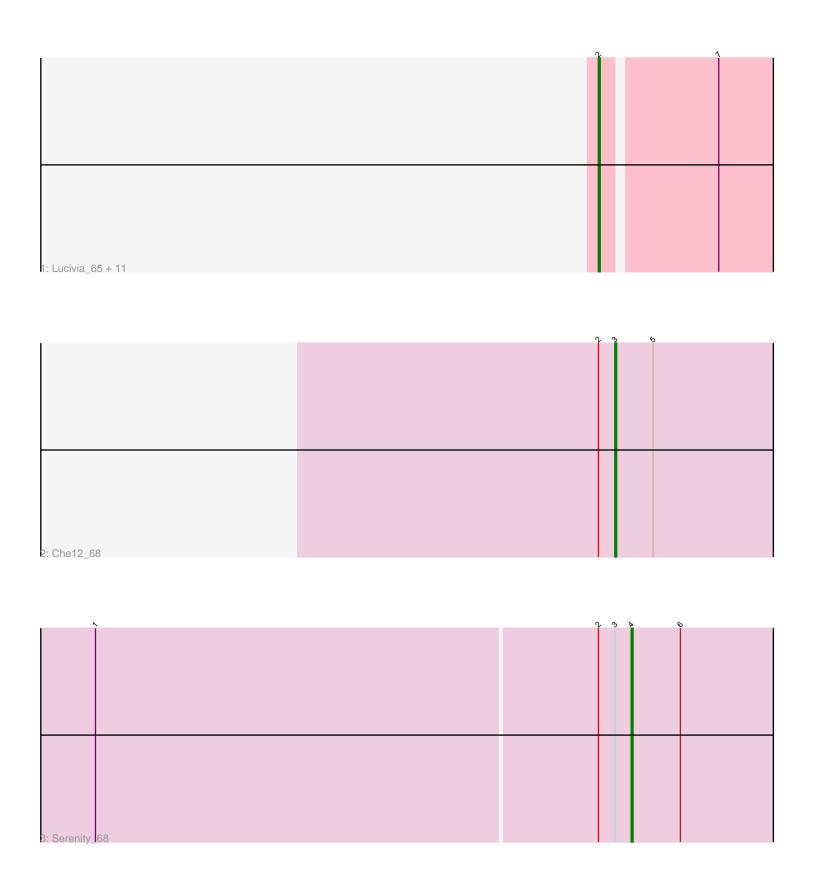# Pham 106703

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 106703 Report

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

Pham number 106703 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lucivia_65, MaCh_64, Bowtie_65, Bachome_66, Gilberta_65, Flaverint_65, Sham4_64, Orange_63, Petersenfast_62, Timothy_64, Mabel_64, Snape_64
• Track 2 : Che12_68
• Track 3 : Serenity_68

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bachome_66, Bowtie_65, Flaverint_65, Gilberta_65, Lucivia_65, MaCh_64, Mabel_64, Orange_63, Petersenfast_62, Sham4_64, Snape_64, Timothy_64,

Genes that have the "Most Annotated" start but do not call it:
• Che12_68, Serenity_68,

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

Summary by start number:

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Bachome_66 (A11), Bowtie_65 (A11), Flaverint_65 (A11), Gilberta_65 (A11), Lucivia_65 (A11), MaCh_64 (A11), Mabel_64 (A11), Orange_63 (A11), Petersenfast_62 (A11), Sham4_64 (A11), Snape_64 (A11), Timothy_64 (A11),

Start 3:
• Found in 2 of 14 (14.3%) of genes in pham

• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Che12_68 (A2),

Start 4:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Serenity_68 (A2),

Summary by clusters:

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

Info for manual annotations of cluster A11:
•Start number 2 was manually annotated 11 times for cluster A11.

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 1 time for cluster A2.
•Start number 4 was manually annotated 1 time for cluster A2.

Gene Information:
Gene: Bachome_66 Start: 39908, Stop: 39807, Start Num: 2
Candidate Starts for Bachome_66:
(Start: 2 @39908 has 11 MA's), (7, 39848),

Gene: Bowtie_65 Start: 39935, Stop: 39834, Start Num: 2
Candidate Starts for Bowtie_65:
(Start: 2 @39935 has 11 MA's), (7, 39875),

Gene: Che12_68 Start: 39665, Stop: 39570, Start Num: 3
Candidate Starts for Che12_68:
(Start: 2 @39674 has 11 MA's), (Start: 3 @39665 has 1 MA's), (5, 39644),

Gene: Flaverint_65 Start: 39926, Stop: 39825, Start Num: 2
Candidate Starts for Flaverint_65:
(Start: 2 @39926 has 11 MA's), (7, 39866),

Gene: Gilberta_65 Start: 39919, Stop: 39818, Start Num: 2
Candidate Starts for Gilberta_65:
(Start: 2 @39919 has 11 MA's), (7, 39859),

Gene: Lucivia_65 Start: 39977, Stop: 39876, Start Num: 2
Candidate Starts for Lucivia_65:
(Start: 2 @39977 has 11 MA's), (7, 39917),

Gene: MaCh_64 Start: 39907, Stop: 39806, Start Num: 2
Candidate Starts for MaCh_64:
(Start: 2 @39907 has 11 MA's), (7, 39847),

Gene: Mabel_64 Start: 39924, Stop: 39823, Start Num: 2
Candidate Starts for Mabel_64:
(Start: 2 @39924 has 11 MA's), (7, 39864),

Gene: Orange_63 Start: 39477, Stop: 39376, Start Num: 2
Candidate Starts for Orange_63:
(Start: 2 @39477 has 11 MA's), (7, 39417),

Gene: Petersenfast_62 Start: 39476, Stop: 39375, Start Num: 2
Candidate Starts for Petersenfast_62:
(Start: 2 @39476 has 11 MA's), (7, 39416),

Gene: Serenity_68 Start: 40371, Stop: 40282, Start Num: 4
Candidate Starts for Serenity_68:
(1, 40662), (Start: 2 @40389 has 11 MA's), (Start: 3 @40380 has 1 MA's), (Start: 4 @40371 has 1 MA's), (6, 40344),

Gene: Sham4_64 Start: 39475, Stop: 39374, Start Num: 2
Candidate Starts for Sham4_64:
(Start: 2 @39475 has 11 MA's), (7, 39415),

Gene: Snape_64 Start: 39467, Stop: 39366, Start Num: 2
Candidate Starts for Snape_64:
(Start: 2 @39467 has 11 MA's), (7, 39407),

Gene: Timothy_64 Start: 39444, Stop: 39343, Start Num: 2
Candidate Starts for Timothy_64:
(Start: 2 @39444 has 11 MA's), (7, 39384),