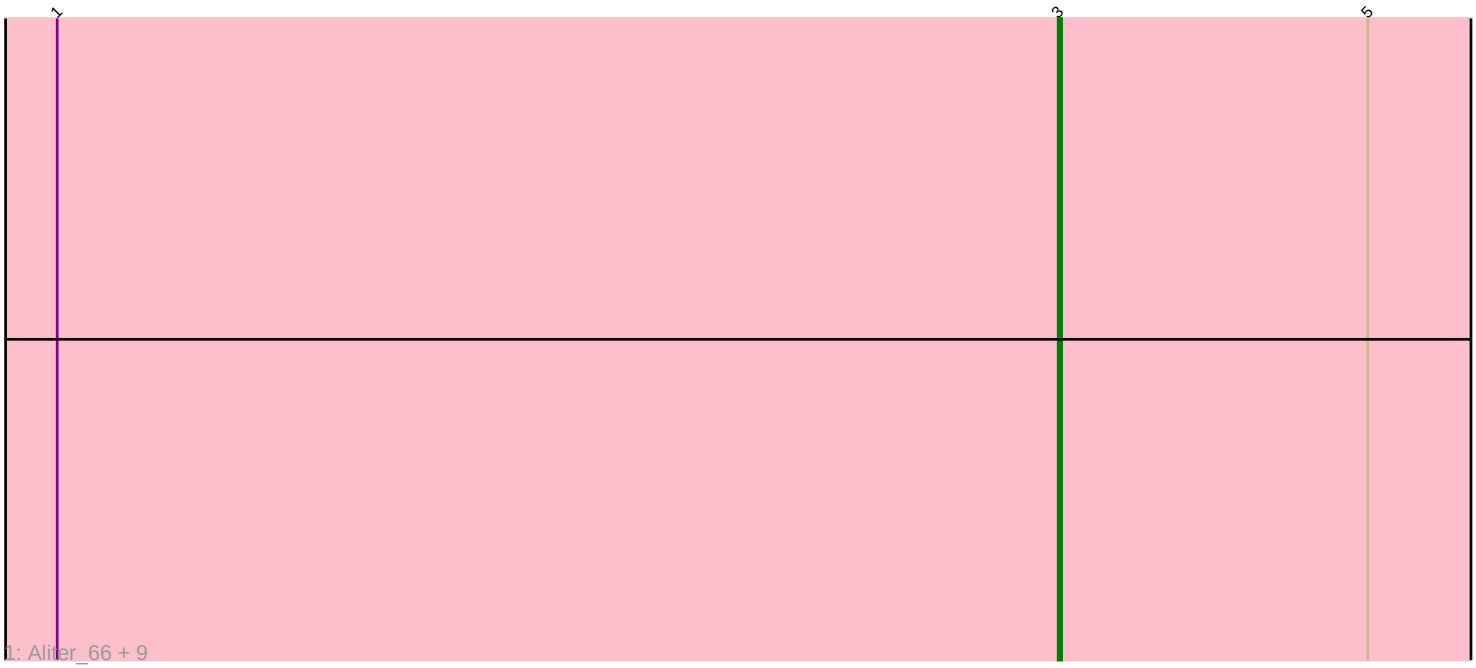
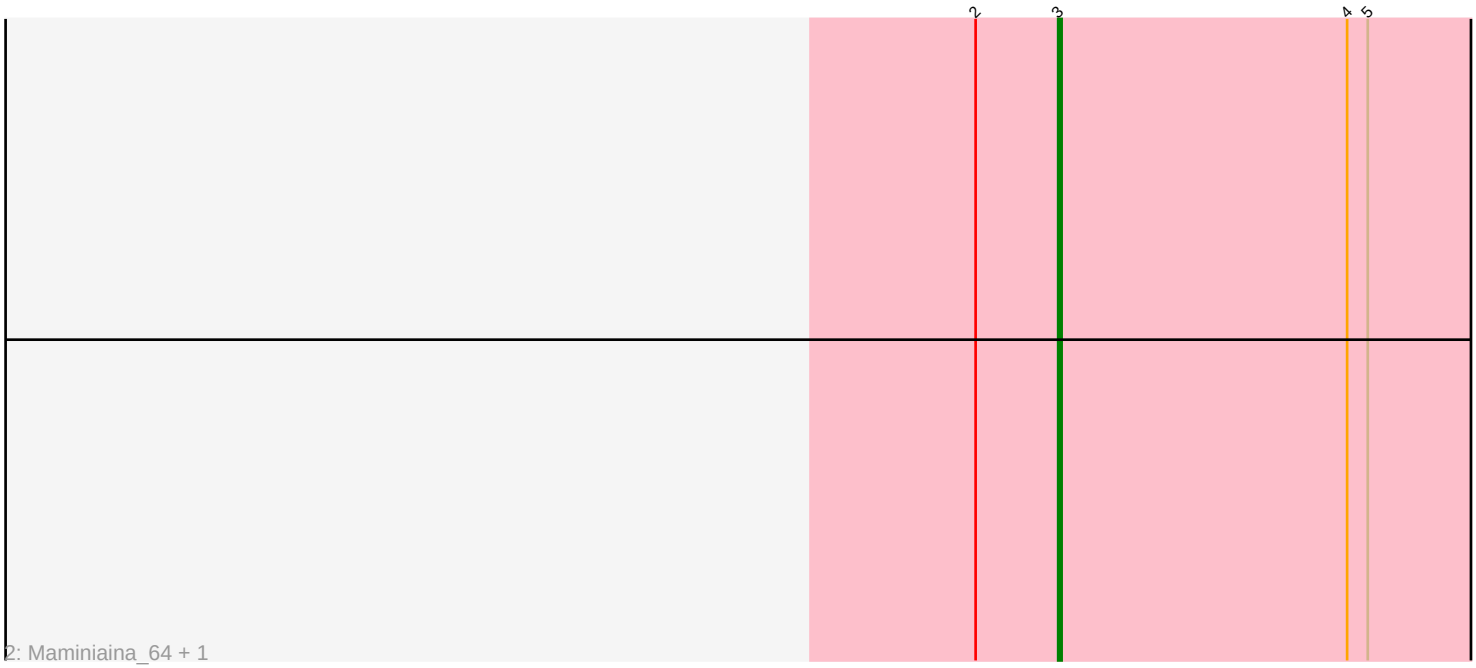
# Pham 106751



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 106751 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106751 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Aliter_66, Phonnegut_66, HortumSL17_66, Tubs_65, Phaeder_65, Pioneer_66, Myxus_65, Beemo_66, PackMan_64, Catalina_67
• Track 2 : Maminiaina_64, BogosyJay_64

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_66, Beemo_66, BogosyJay_64, Catalina_67, HortumSL17_66, Maminiaina_64, Myxus_65, PackMan_64, Phaeder_65, Phonnegut_66, Pioneer_66, Tubs_65,

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 3:
• Found in 12 of 12 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_66 (A9), Beemo_66 (A9), BogosyJay_64 (A9), Catalina_67 (A9), HortumSL17_66 (A9), Maminiaina_64 (A9), Myxus_65 (A9), PackMan_64 (A9), Phaeder_65 (A9), Phonnegut_66 (A9), Pioneer_66 (A9), Tubs_65 (A9),

**Summary by clusters:**

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 3 was manually annotated 12 times for cluster A9.

### *Gene Information:*

Gene: Aliter_66 Start: 40199, Stop: 40062, Start Num: 3
Candidate Starts for Aliter_66:
(1, 40490), (Start: 3 @40199 has 12 MA's), (5, 40109),

Gene: Beemo_66 Start: 40369, Stop: 40232, Start Num: 3
Candidate Starts for Beemo_66:
(1, 40660), (Start: 3 @40369 has 12 MA's), (5, 40279),

Gene: BogosyJay_64 Start: 40169, Stop: 40032, Start Num: 3
Candidate Starts for BogosyJay_64:
(2, 40193), (Start: 3 @40169 has 12 MA's), (4, 40085), (5, 40079),

Gene: Catalina_67 Start: 40272, Stop: 40135, Start Num: 3
Candidate Starts for Catalina_67:
(1, 40563), (Start: 3 @40272 has 12 MA's), (5, 40182),

Gene: HortumSL17_66 Start: 40271, Stop: 40134, Start Num: 3
Candidate Starts for HortumSL17_66:
(1, 40562), (Start: 3 @40271 has 12 MA's), (5, 40181),

Gene: Maminiaina_64 Start: 40151, Stop: 40014, Start Num: 3
Candidate Starts for Maminiaina_64:
(2, 40175), (Start: 3 @40151 has 12 MA's), (4, 40067), (5, 40061),

Gene: Myxus_65 Start: 40271, Stop: 40134, Start Num: 3
Candidate Starts for Myxus_65:
(1, 40562), (Start: 3 @40271 has 12 MA's), (5, 40181),

Gene: PackMan_64 Start: 40146, Stop: 40009, Start Num: 3
Candidate Starts for PackMan_64:
(1, 40437), (Start: 3 @40146 has 12 MA's), (5, 40056),

Gene: Phaeder_65 Start: 40146, Stop: 40009, Start Num: 3
Candidate Starts for Phaeder_65:
(1, 40437), (Start: 3 @40146 has 12 MA's), (5, 40056),

Gene: Phonnegut_66 Start: 40368, Stop: 40231, Start Num: 3
Candidate Starts for Phonnegut_66:
(1, 40659), (Start: 3 @40368 has 12 MA's), (5, 40278),

Gene: Pioneer_66 Start: 40368, Stop: 40231, Start Num: 3
Candidate Starts for Pioneer_66:
(1, 40659), (Start: 3 @40368 has 12 MA's), (5, 40278),

Gene: Tubs_65 Start: 40146, Stop: 40009, Start Num: 3

Candidate Starts for Tubs_65:
(1, 40437), (Start: 3 @40146 has 12 MA's), (5, 40056),