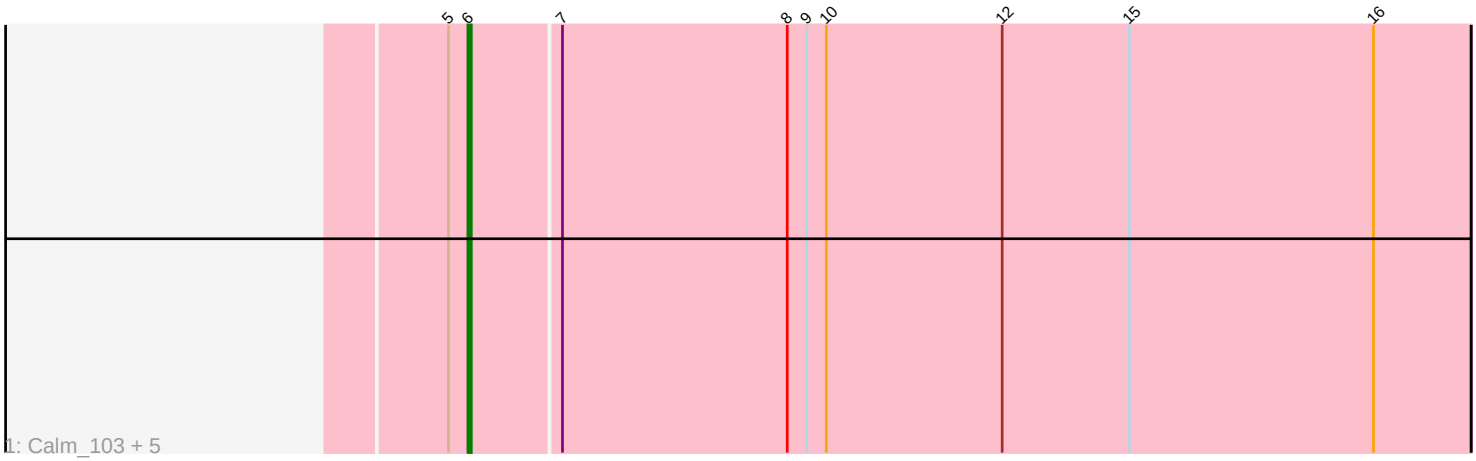
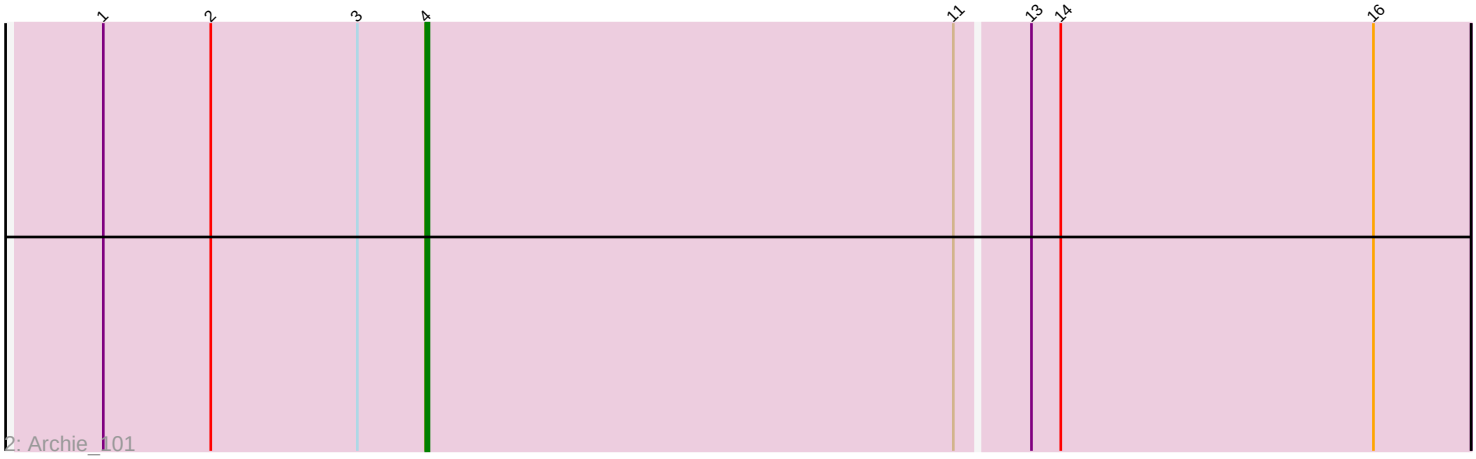
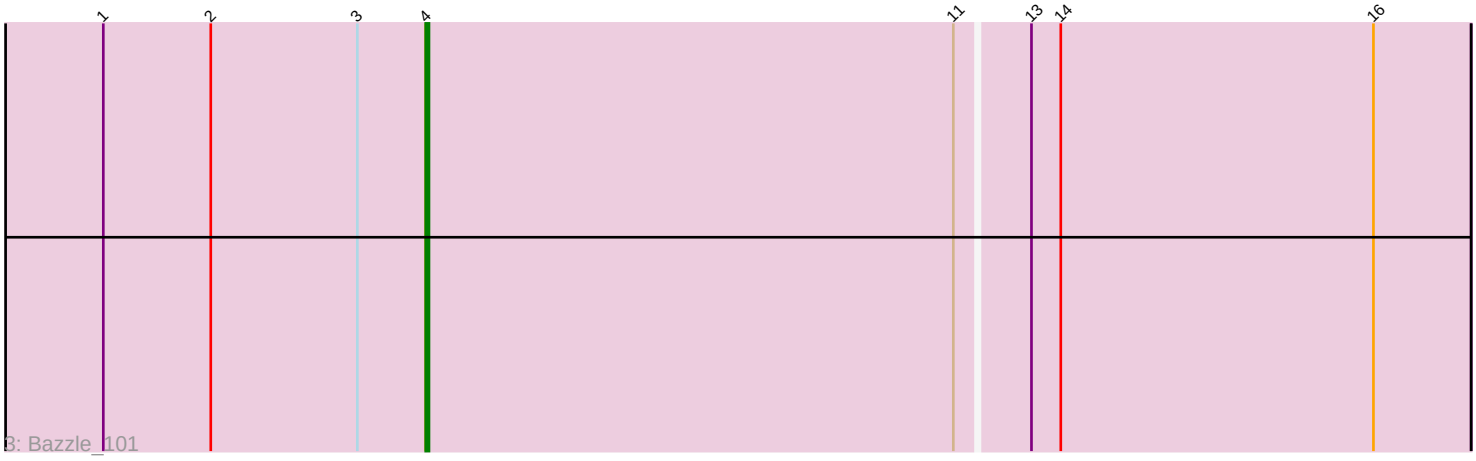
Pham 348305


5
6
7
8
9
10
12
15
16
1: Calm_103 + 5


1
2
3
4
11
13
14
16
2: Archie_101


1
2
3
4
11
13
14
16
3: Bazzle_101

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 348305 Report

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

Pham number 348305 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Calm_103, Halena_99, DirkDirk_97, Enceladus_97, Zaria_102, MAckerman_100
• Track 2 : Archie_101
• Track 3 : Bazzle_101

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Calm_103, DirkDirk_97, Enceladus_97, Halena_99, MAckerman_100, Zaria_102,

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

Genes that do not have the "Most Annotated" start:
• Archie_101, Bazzle_101,

Summary by start number:

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archie_101 (L2), Bazzle_101 (L2),

Start 6:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Calm_103 (L1), DirkDirk_97 (L1), Enceladus_97 (L1), Halena_99 (L1), MAckerman_100 (L1), Zaria_102 (L1),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L1,

Info for manual annotations of cluster L1:
•Start number 6 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 4 was manually annotated 2 times for cluster L2.

Gene Information:

Gene: Archie_101 Start: 62137, Stop: 62454, Start Num: 4
Candidate Starts for Archie_101:
(1, 62038), (2, 62071), (3, 62116), (Start: 4 @62137 has 2 MA's), (11, 62299), (13, 62320), (14, 62329), (16, 62425),

Gene: Bazzle_101 Start: 62693, Stop: 63010, Start Num: 4
Candidate Starts for Bazzle_101:
(1, 62594), (2, 62627), (3, 62672), (Start: 4 @62693 has 2 MA's), (11, 62855), (13, 62876), (14, 62885), (16, 62981),

Gene: Calm_103 Start: 61255, Stop: 61560, Start Num: 6
Candidate Starts for Calm_103:
(5, 61249), (Start: 6 @61255 has 6 MA's), (7, 61282), (8, 61351), (9, 61357), (10, 61363), (12, 61417), (15, 61456), (16, 61531),

Gene: DirkDirk_97 Start: 60081, Stop: 60386, Start Num: 6
Candidate Starts for DirkDirk_97:
(5, 60075), (Start: 6 @60081 has 6 MA's), (7, 60108), (8, 60177), (9, 60183), (10, 60189), (12, 60243), (15, 60282), (16, 60357),

Gene: Enceladus_97 Start: 60379, Stop: 60684, Start Num: 6
Candidate Starts for Enceladus_97:
(5, 60373), (Start: 6 @60379 has 6 MA's), (7, 60406), (8, 60475), (9, 60481), (10, 60487), (12, 60541), (15, 60580), (16, 60655),

Gene: Halena_99 Start: 60171, Stop: 60476, Start Num: 6
Candidate Starts for Halena_99:
(5, 60165), (Start: 6 @60171 has 6 MA's), (7, 60198), (8, 60267), (9, 60273), (10, 60279), (12, 60333), (15, 60372), (16, 60447),

Gene: MAckerman_100 Start: 60164, Stop: 60469, Start Num: 6
Candidate Starts for MAckerman_100:
(5, 60158), (Start: 6 @60164 has 6 MA's), (7, 60191), (8, 60260), (9, 60266), (10, 60272), (12, 60326), (15, 60365), (16, 60440),

Gene: Zaria_102 Start: 60720, Stop: 61025, Start Num: 6
Candidate Starts for Zaria_102:
(5, 60714), (Start: 6 @60720 has 6 MA's), (7, 60747), (8, 60816), (9, 60822), (10, 60828), (12, 60882), (15, 60921), (16, 60996),