Pham 9071
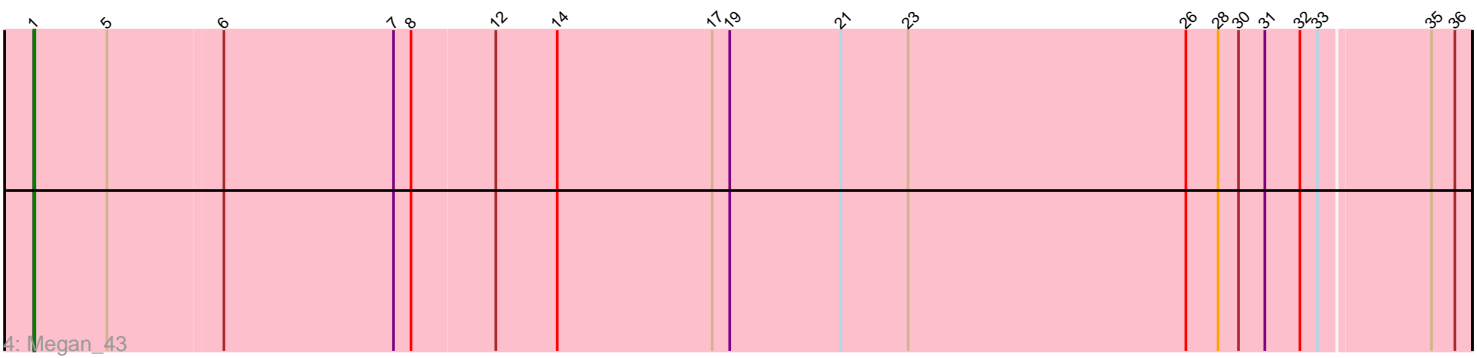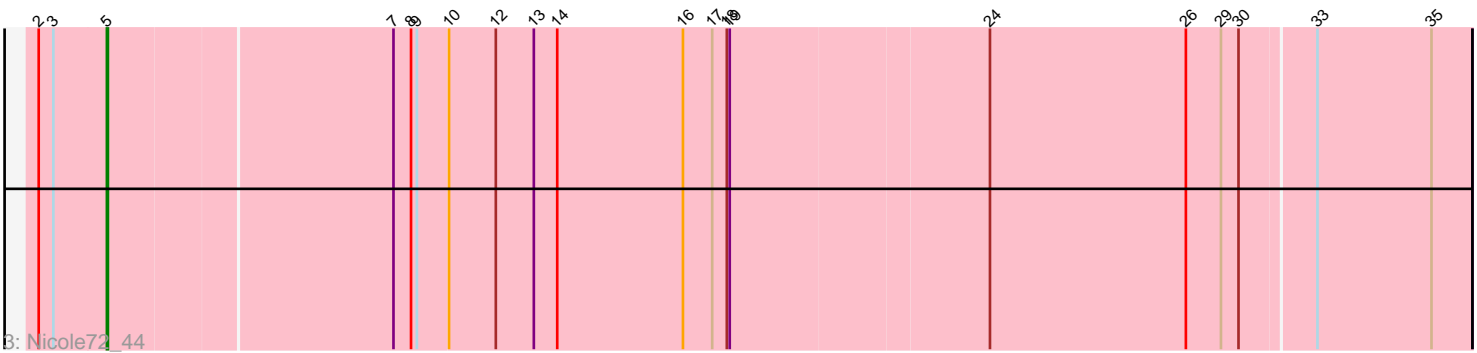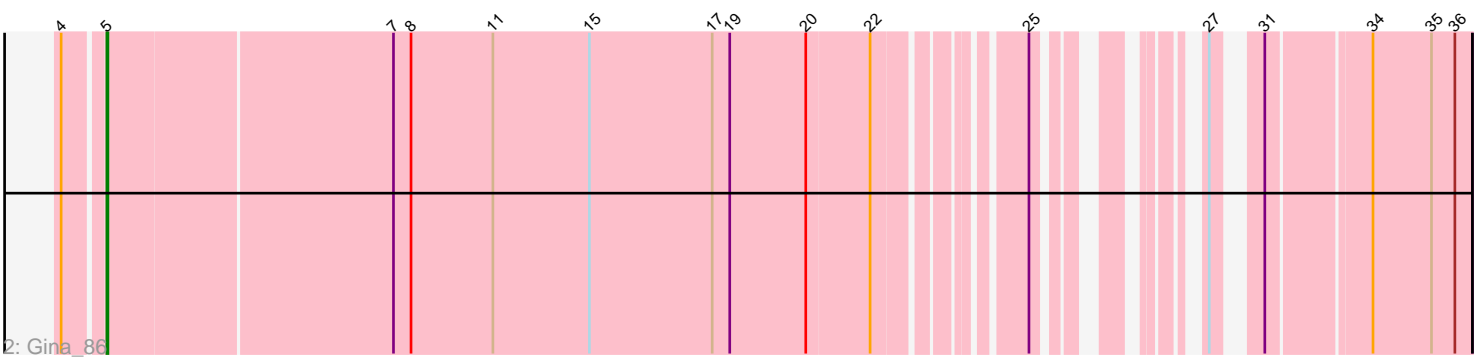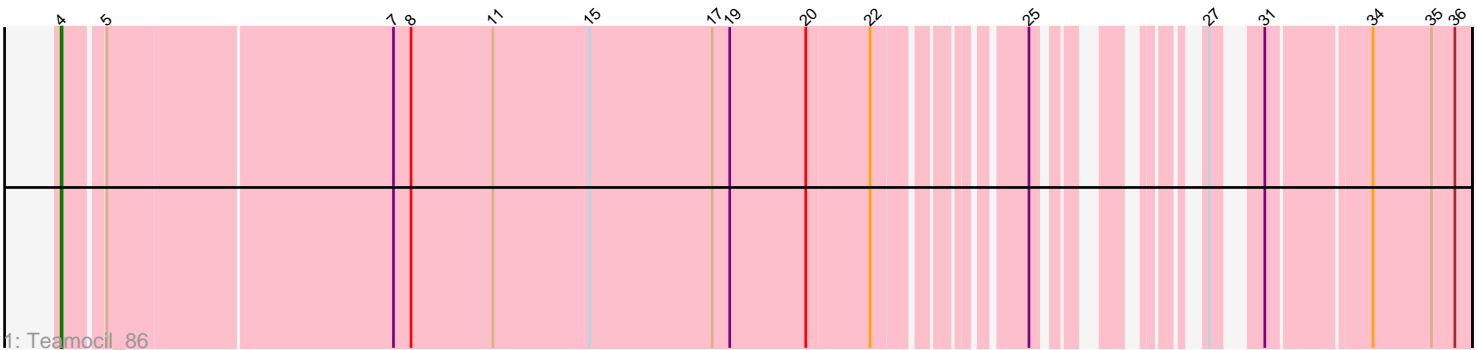

1: Teamocil_86

2: Gina_86

3: Nicole72_44

4: Megan_43

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 9071 Report

This analysis was run 03/30/24 on database version 556.

Pham number 9071 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Teamocil_86
• Track 2 : Gina_86
• Track 3 : Nicole72_44
• Track 4 : Megan_43

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gina_86, Nicole72_44,

Genes that have the "Most Annotated" start but do not call it:
• Megan_43, Teamocil_86,

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

Summary by start number:

Start 1:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Megan_43 (EC),

Start 4:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Teamocil_86 (EC),

Start 5:

• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gina_86 (EC), Nicole72_44 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:
•Start number 1 was manually annotated 1 time for cluster EC.
•Start number 4 was manually annotated 1 time for cluster EC.
•Start number 5 was manually annotated 2 times for cluster EC.

Gene Information:

Gene: Gina_86 Start: 47458, Stop: 48663, Start Num: 5
Candidate Starts for Gina_86:
(Start: 4 @47422 has 1 MA's), (Start: 5 @47458 has 2 MA's), (7, 47743), (8, 47761), (11, 47845), (15, 47944), (17, 48070), (19, 48088), (20, 48166), (22, 48229), (25, 48346), (27, 48436), (31, 48466), (34, 48562), (35, 48622), (36, 48646),

Gene: Megan_43 Start: 33728, Stop: 35185, Start Num: 1
Candidate Starts for Megan_43:
(Start: 1 @33728 has 1 MA's), (Start: 5 @33803 has 2 MA's), (6, 33917), (7, 34091), (8, 34109), (12, 34193), (14, 34256), (17, 34415), (19, 34433), (21, 34547), (23, 34616), (26, 34901), (28, 34934), (30, 34955), (31, 34982), (32, 35018), (33, 35036), (35, 35144), (36, 35168),

Gene: Nicole72_44 Start: 34416, Stop: 35783, Start Num: 5
Candidate Starts for Nicole72_44:
(2, 34347), (3, 34362), (Start: 5 @34416 has 2 MA's), (7, 34698), (8, 34716), (9, 34722), (10, 34752), (12, 34800), (13, 34839), (14, 34863), (16, 34992), (17, 35022), (18, 35037), (19, 35040), (24, 35298), (26, 35499), (29, 35535), (30, 35553), (33, 35625), (35, 35742),

Gene: Teamocil_86 Start: 47515, Stop: 48756, Start Num: 4
Candidate Starts for Teamocil_86:
(Start: 4 @47515 has 1 MA's), (Start: 5 @47551 has 2 MA's), (7, 47836), (8, 47854), (11, 47938), (15, 48037), (17, 48163), (19, 48181), (20, 48259), (22, 48322), (25, 48439), (27, 48529), (31, 48559), (34, 48655), (35, 48715), (36, 48739),