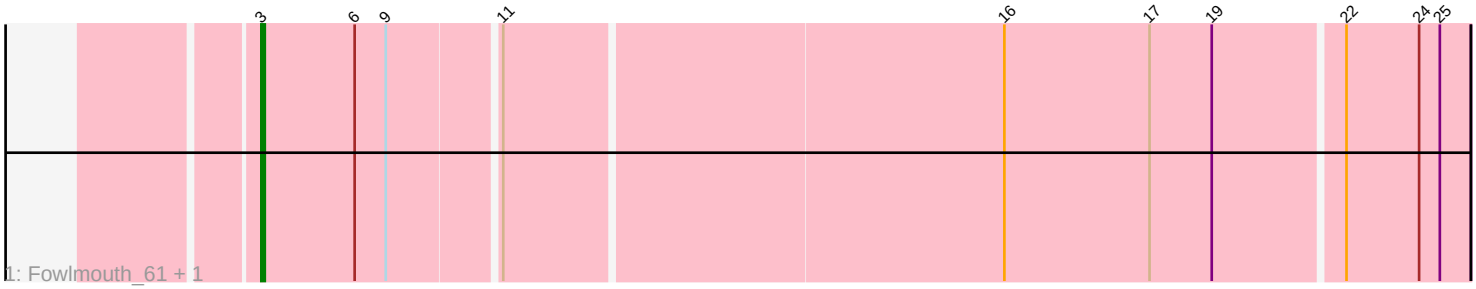
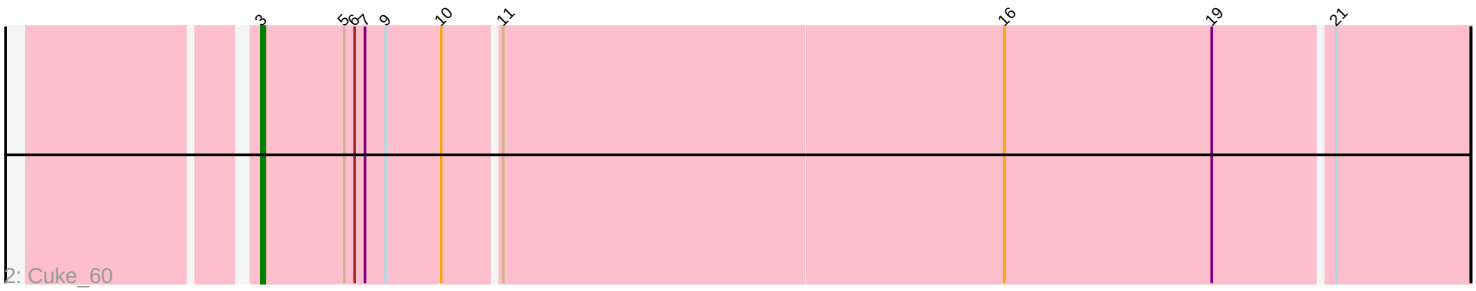
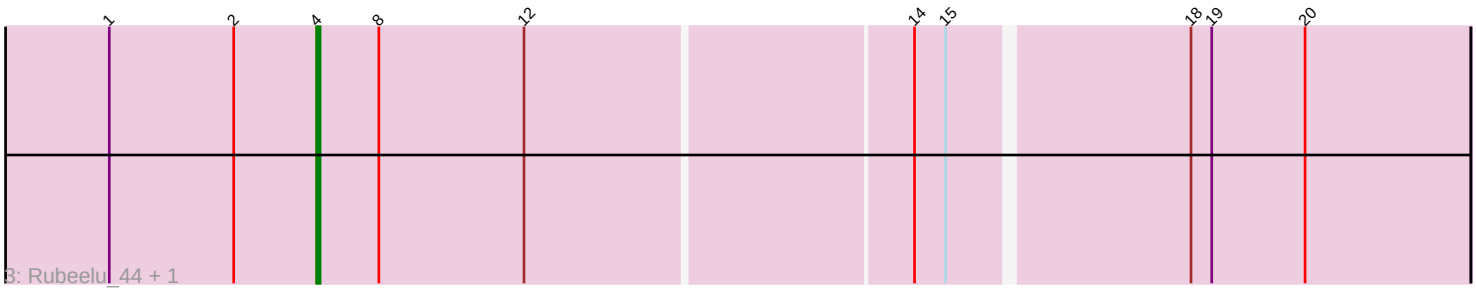
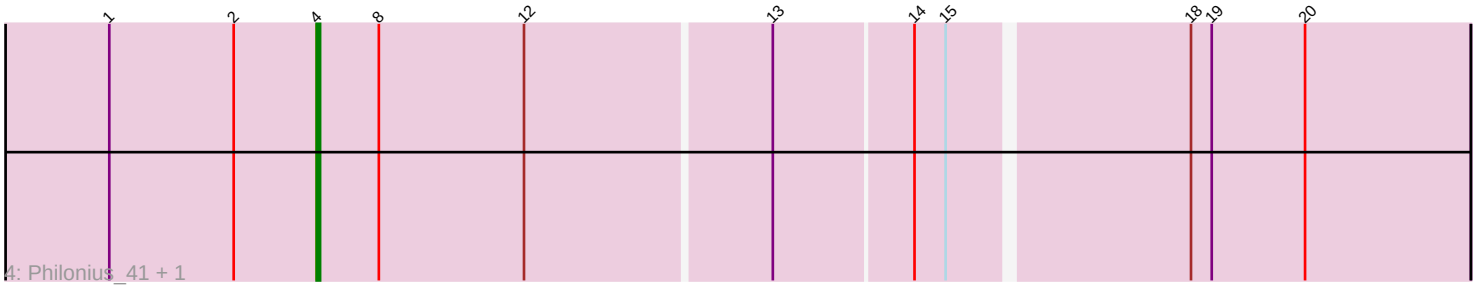
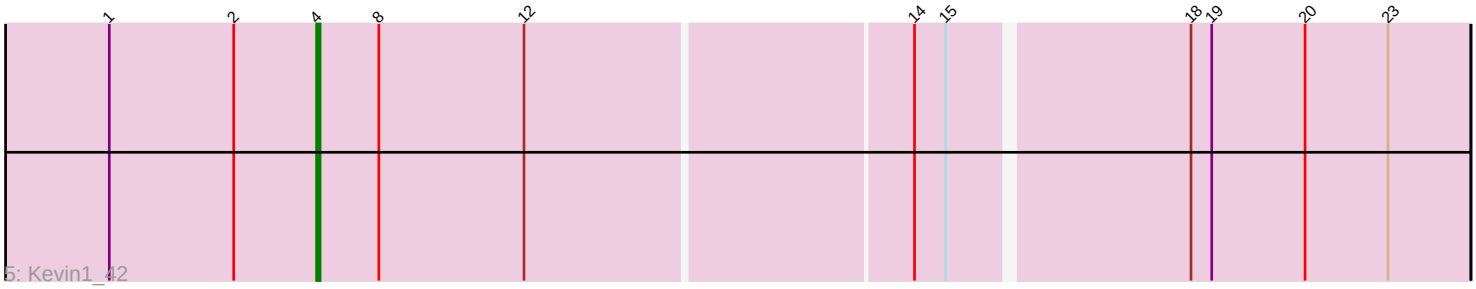
Pham 348335


3
6
9
11
16
17
19
22
24
25
1: Fowlmouth_61 + 1


3
5
6
7
9
10
11
16
19
21
2: Cuke_60


1
2
4
8
12
14
15
18
19
20
3: Rubeelu_44 + 1


1
2
4
8
12
13
14
15
18
19
20
4: Philonius_41 + 1


1
2
4
8
12
14
15
18
19
20
23
5: Kevin1_42

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 348335 Report

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

Pham number 348335 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fowlmouth_61, MrMiyagi_60
• Track 2 : Cuke_60
• Track 3 : Rubeelu_44, Butters_44
• Track 4 : Philonius_41, MichelleMyBell_41
• Track 5 : Kevin1_42

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Butters_44, Kevin1_42, MichelleMyBell_41, Philonius_41, Rubeelu_44,

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

Genes that do not have the "Most Annotated" start:
• Cuke_60, Fowlmouth_61, MrMiyagi_60,

Summary by start number:

Start 3:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_60 (AC), Fowlmouth_61 (AC), MrMiyagi_60 (AC),

Start 4:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Butters_44 (N), Kevin1_42 (N), MichelleMyBell_41 (N), Philonius_41 (N), Rubeelu_44 (N),

Summary by clusters:

There are 2 clusters represented in this pham: AC, N,

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

Info for manual annotations of cluster N:
•Start number 4 was manually annotated 5 times for cluster N.

Gene Information:

Gene: Butters_44 Start: 31386, Stop: 31709, Start Num: 4
Candidate Starts for Butters_44:
(1, 31326), (2, 31362), (Start: 4 @31386 has 5 MA's), (8, 31404), (12, 31446), (14, 31554), (15, 31563), (18, 31629), (19, 31635), (20, 31662),

Gene: Cuke_60 Start: 38528, Stop: 38869, Start Num: 3
Candidate Starts for Cuke_60:
(Start: 3 @38528 has 3 MA's), (5, 38552), (6, 38555), (7, 38558), (9, 38564), (10, 38579), (11, 38594), (16, 38738), (19, 38798), (21, 38831),

Gene: Fowlmouth_61 Start: 41361, Stop: 41699, Start Num: 3
Candidate Starts for Fowlmouth_61:
(Start: 3 @41361 has 3 MA's), (6, 41388), (9, 41397), (11, 41427), (16, 41568), (17, 41610), (19, 41628), (22, 41664), (24, 41685), (25, 41691),

Gene: Kevin1_42 Start: 30562, Stop: 30885, Start Num: 4
Candidate Starts for Kevin1_42:
(1, 30502), (2, 30538), (Start: 4 @30562 has 5 MA's), (8, 30580), (12, 30622), (14, 30730), (15, 30739), (18, 30805), (19, 30811), (20, 30838), (23, 30862),

Gene: MichelleMyBell_41 Start: 29657, Stop: 29980, Start Num: 4
Candidate Starts for MichelleMyBell_41:
(1, 29597), (2, 29633), (Start: 4 @29657 has 5 MA's), (8, 29675), (12, 29717), (13, 29786), (14, 29825), (15, 29834), (18, 29900), (19, 29906), (20, 29933),

Gene: MrMiyagi_60 Start: 41745, Stop: 42083, Start Num: 3
Candidate Starts for MrMiyagi_60:
(Start: 3 @41745 has 3 MA's), (6, 41772), (9, 41781), (11, 41811), (16, 41952), (17, 41994), (19, 42012), (22, 42048), (24, 42069), (25, 42075),

Gene: Philonius_41 Start: 29325, Stop: 29648, Start Num: 4
Candidate Starts for Philonius_41:
(1, 29265), (2, 29301), (Start: 4 @29325 has 5 MA's), (8, 29343), (12, 29385), (13, 29454), (14, 29493), (15, 29502), (18, 29568), (19, 29574), (20, 29601),

Gene: Rubeelu_44 Start: 31386, Stop: 31709, Start Num: 4

Candidate Starts for Rubeelu_44:
(1, 31326), (2, 31362), (Start: 4 @31386 has 5 MA's), (8, 31404), (12, 31446), (14, 31554), (15, 31563), (18, 31629), (19, 31635), (20, 31662),