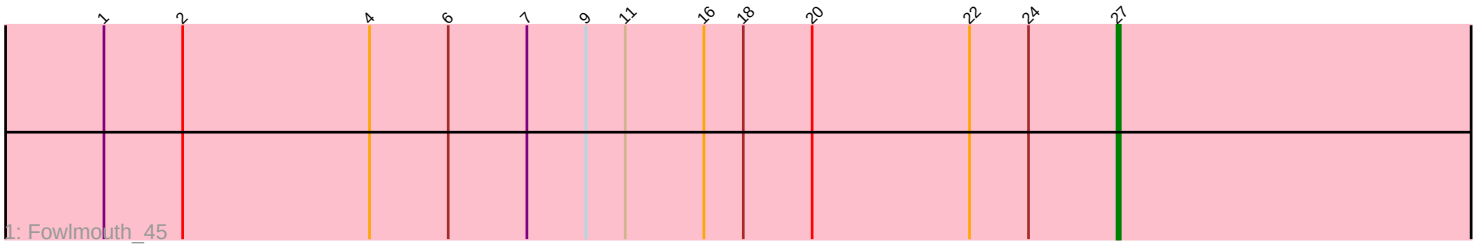
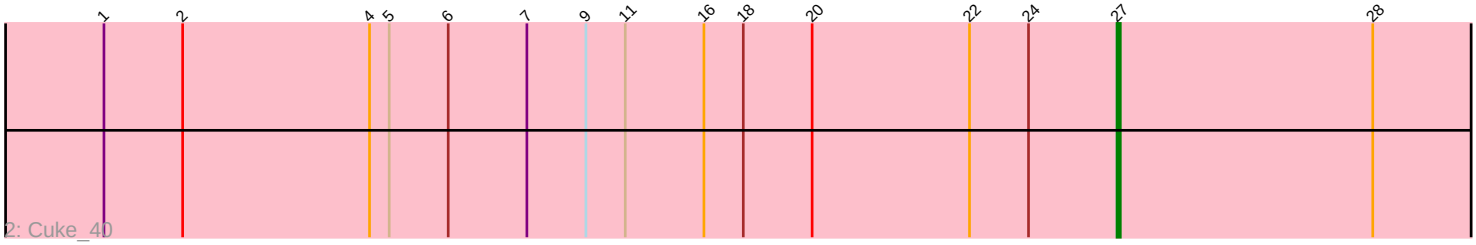
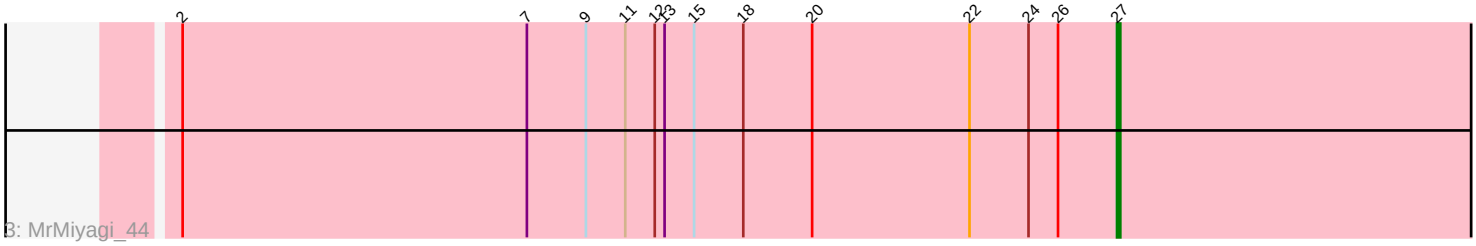
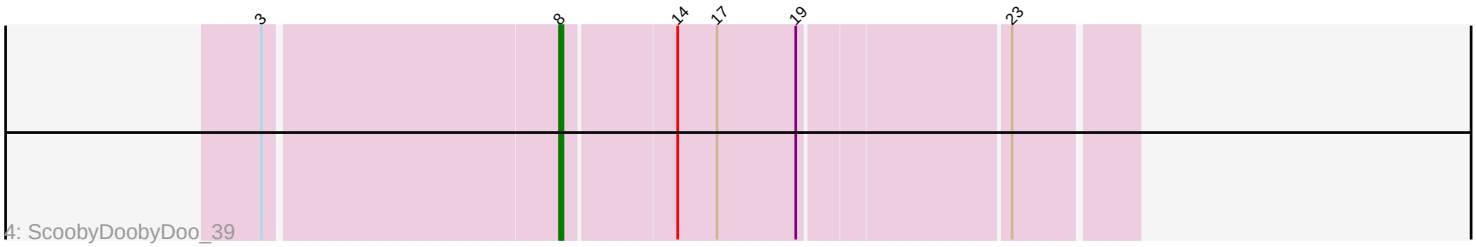
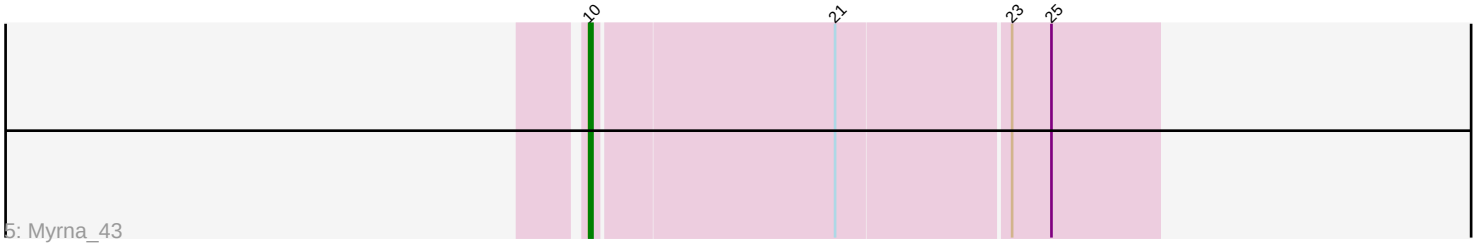
Pham 346517

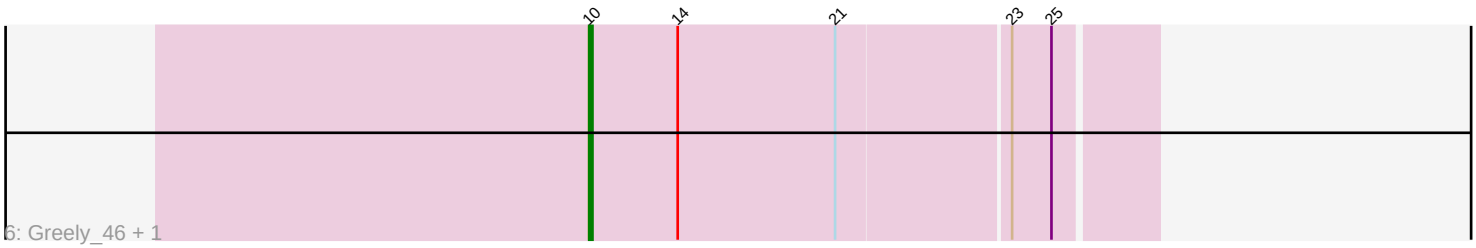

1
2
4
6
7
9
11
16
18
20
22
24
27
1: Fowlmouth_45


1
2
4
5
6
7
9
11
16
18
20
22
24
27
28
2: Cuke_40


2
7
9
11
12
13
15
18
20
22
24
26
27
3: MrMiyagi_44


3
8
14
17
19
23
4: ScoobyDoobyDoo_39


10
21
23
25
5: Myrna_43


10
14
21
23
25
6: Greely_46 + 1

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 346517 Report

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

Pham number 346517 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Fowlmouth_45
• Track 2 : Cuke_40
• Track 3 : MrMiyagi_44
• Track 4 : ScoobyDoobyDoo_39
• Track 5 : Myrna_43
• Track 6 : Greely_46, Phabba_48

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

The start number called the most often in the published annotations is 27, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cuke_40, Fowlmouth_45, MrMiyagi_44,

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

Genes that do not have the "Most Annotated" start:
• Greely_46, Myrna_43, Phabba_48, ScoobyDoobyDoo_39,

Summary by start number:

Start 8:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_39 (C2),

Start 10:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Greely_46 (C2), Myrna_43 (C2), Phabba_48 (C2),

Start 27:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_40 (AC), Fowlmouth_45 (AC), MrMiyagi_44 (AC),

Summary by clusters:

There are 2 clusters represented in this pham: C2, AC,

Info for manual annotations of cluster AC:
•Start number 27 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster C2:
•Start number 8 was manually annotated 1 time for cluster C2.
•Start number 10 was manually annotated 2 times for cluster C2.

Gene Information:

Gene: Cuke_40 Start: 31447, Stop: 31581, Start Num: 27
Candidate Starts for Cuke_40:
(1, 31138), (2, 31162), (4, 31219), (5, 31225), (6, 31243), (7, 31267), (9, 31285), (11, 31297), (16, 31321), (18, 31333), (20, 31354), (22, 31402), (24, 31420), (Start: 27 @31447 has 3 MA's), (28, 31525),

Gene: Fowlmouth_45 Start: 35349, Stop: 35483, Start Num: 27
Candidate Starts for Fowlmouth_45:
(1, 35040), (2, 35064), (4, 35121), (6, 35145), (7, 35169), (9, 35187), (11, 35199), (16, 35223), (18, 35235), (20, 35256), (22, 35304), (24, 35322), (Start: 27 @35349 has 3 MA's),

Gene: Greely_46 Start: 17705, Stop: 17872, Start Num: 10
Candidate Starts for Greely_46:
(Start: 10 @17705 has 2 MA's), (14, 17732), (21, 17780), (23, 17831), (25, 17843),

Gene: MrMiyagi_44 Start: 35734, Stop: 35868, Start Num: 27
Candidate Starts for MrMiyagi_44:
(2, 35449), (7, 35554), (9, 35572), (11, 35584), (12, 35593), (13, 35596), (15, 35605), (18, 35620), (20, 35641), (22, 35689), (24, 35707), (26, 35716), (Start: 27 @35734 has 3 MA's),

Gene: Myrna_43 Start: 18142, Stop: 18309, Start Num: 10
Candidate Starts for Myrna_43:
(Start: 10 @18142 has 2 MA's), (21, 18214), (23, 18265), (25, 18277),

Gene: Phabba_48 Start: 17733, Stop: 17900, Start Num: 10
Candidate Starts for Phabba_48:
(Start: 10 @17733 has 2 MA's), (14, 17760), (21, 17808), (23, 17859), (25, 17871),

Gene: ScoobyDoobyDoo_39 Start: 14433, Stop: 14597, Start Num: 8
Candidate Starts for ScoobyDoobyDoo_39:
(3, 14346), (Start: 8 @14433 has 1 MA's), (14, 14466), (17, 14478), (19, 14502), (23, 14562),