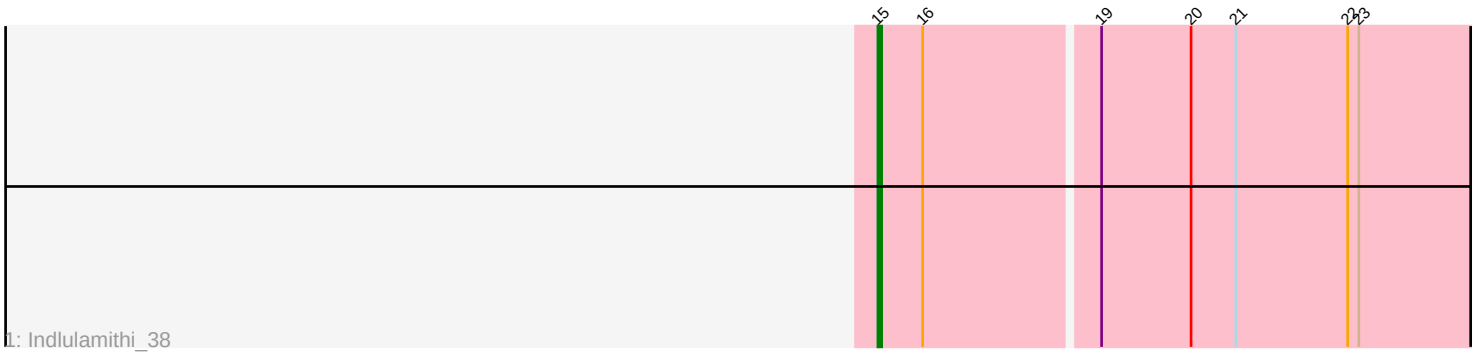
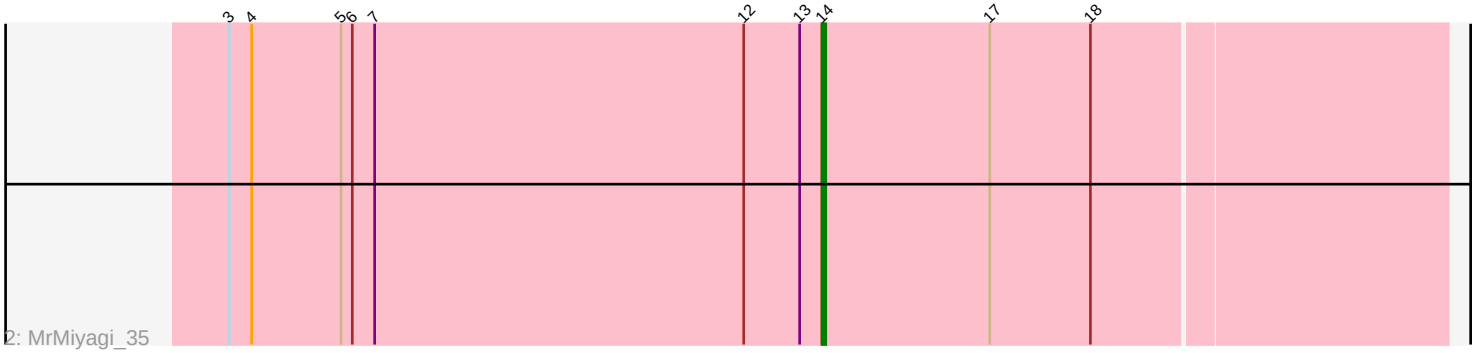
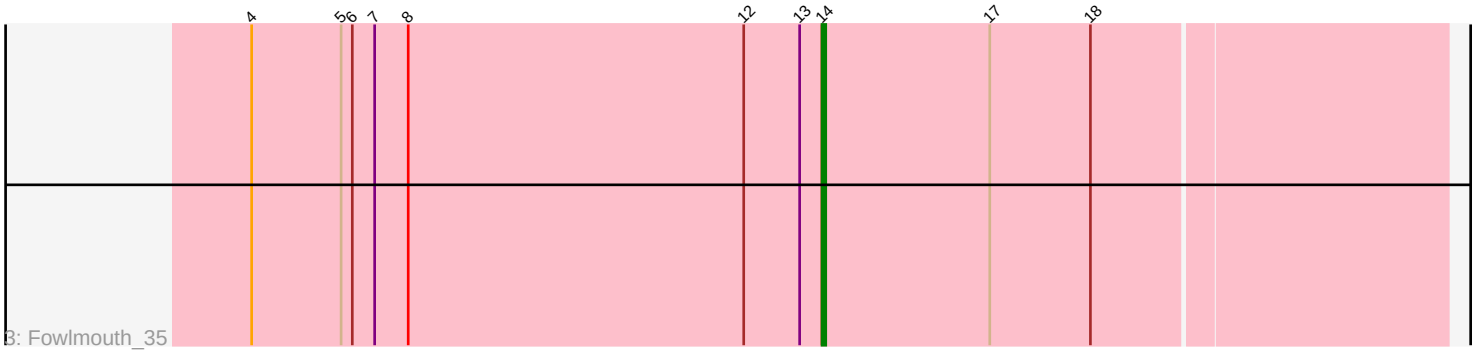
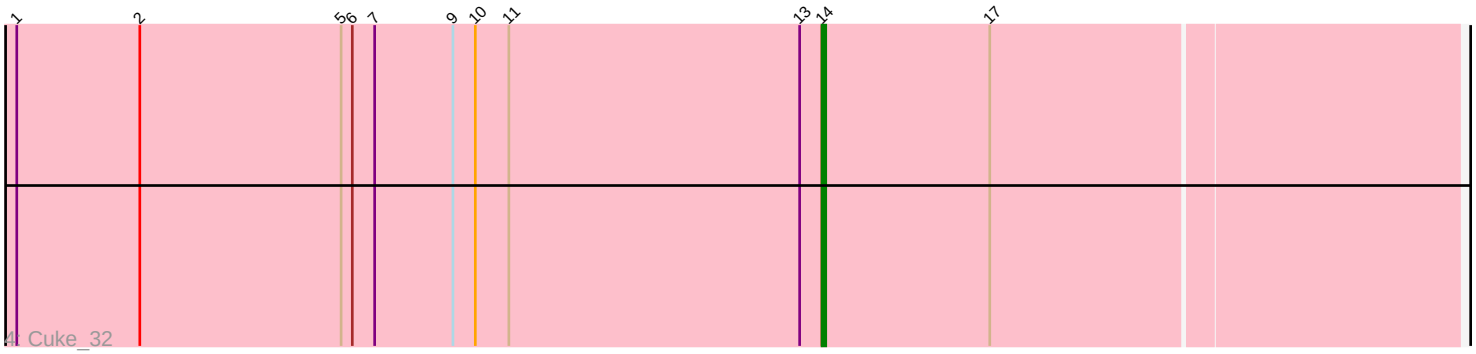
Pham 28416


15
16
19
20
21
22
23
1: Indlulamithi_38


3
4
5
6
7
12
13
14
17
18
2: MrMiyagi_35


4
5
6
7
8
12
13
14
17
18
3: Fowlmouth_35


1
2
5
6
7
9
10
11
13
14
17
4: Cuke_32

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 28416 Report

This analysis was run 04/05/24 on database version 557.

Pham number 28416 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Indlulamithi_38
• Track 2 : MrMiyagi_35
• Track 3 : Fowlmouth_35
• Track 4 : Cuke_32

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

The start number called the most often in the published annotations is 14, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cuke_32, Fowlmouth_35, MrMiyagi_35,

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

Genes that do not have the "Most Annotated" start:
• Indlulamithi_38,

Summary by start number:

Start 14:
• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_32 (AC), Fowlmouth_35 (AC), MrMiyagi_35 (AC),

Start 15:
• 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: Indlulamithi_38 (AC),

Summary by clusters:

There is one cluster represented in this pham: AC

Info for manual annotations of cluster AC:
•Start number 14 was manually annotated 3 times for cluster AC.
•Start number 15 was manually annotated 1 time for cluster AC.

Gene Information:

Gene: Cuke_32 Start: 28246, Stop: 28413, Start Num: 14
Candidate Starts for Cuke_32:
(1, 28030), (2, 28063), (5, 28117), (6, 28120), (7, 28126), (9, 28147), (10, 28153), (11, 28162), (13, 28240), (Start: 14 @28246 has 3 MA's), (17, 28291),

Gene: Fowlmouth_35 Start: 31737, Stop: 31901, Start Num: 14
Candidate Starts for Fowlmouth_35:
(4, 31584), (5, 31608), (6, 31611), (7, 31617), (8, 31626), (12, 31716), (13, 31731), (Start: 14 @31737 has 3 MA's), (17, 31782), (18, 31809),

Gene: Indlulamithi_38 Start: 32687, Stop: 32845, Start Num: 15
Candidate Starts for Indlulamithi_38:
(Start: 15 @32687 has 1 MA's), (16, 32699), (19, 32744), (20, 32768), (21, 32780), (22, 32810), (23, 32813),

Gene: MrMiyagi_35 Start: 31748, Stop: 31912, Start Num: 14
Candidate Starts for MrMiyagi_35:
(3, 31589), (4, 31595), (5, 31619), (6, 31622), (7, 31628), (12, 31727), (13, 31742), (Start: 14 @31748 has 3 MA's), (17, 31793), (18, 31820),