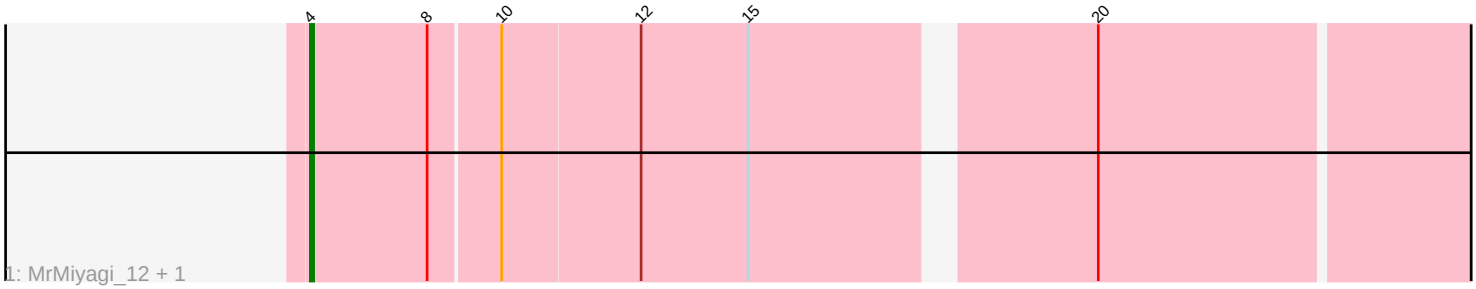
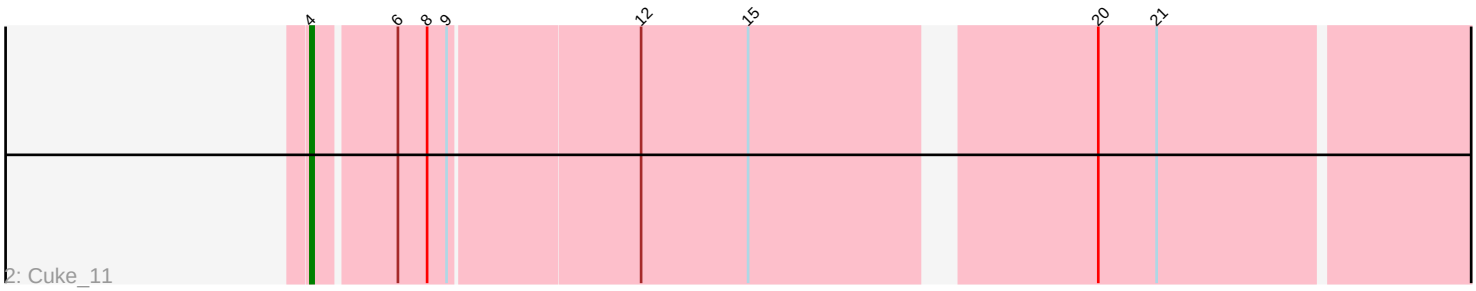
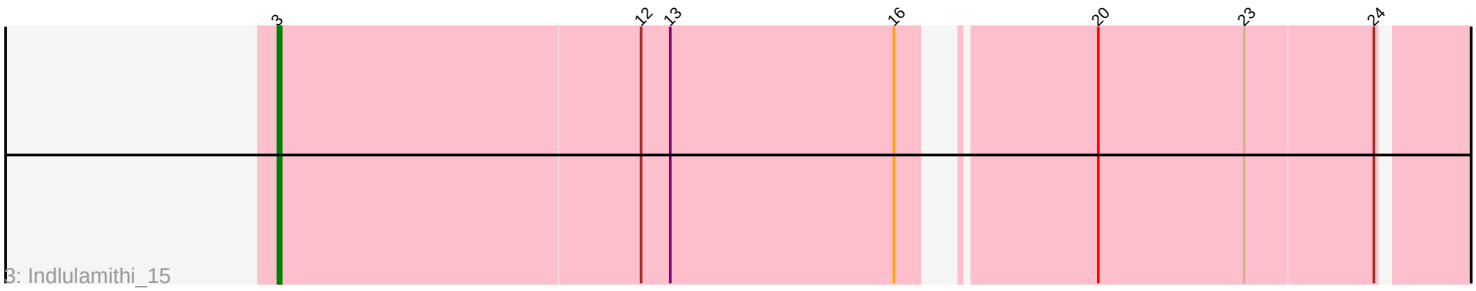
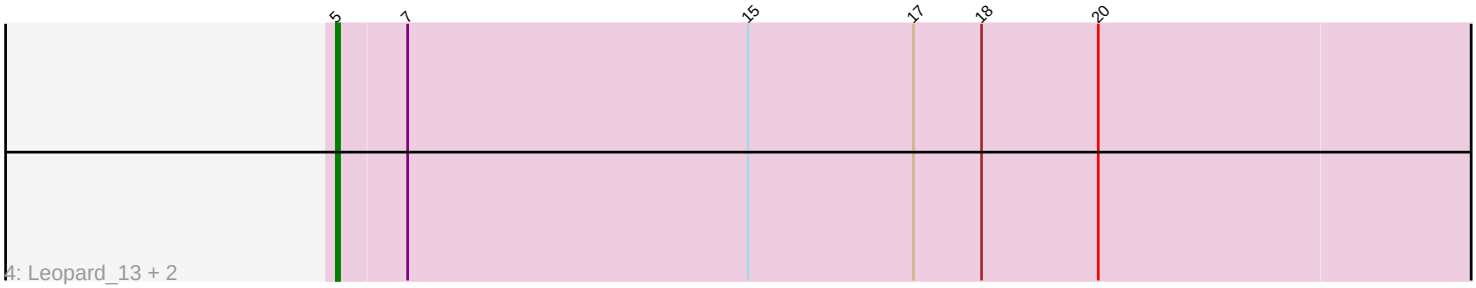
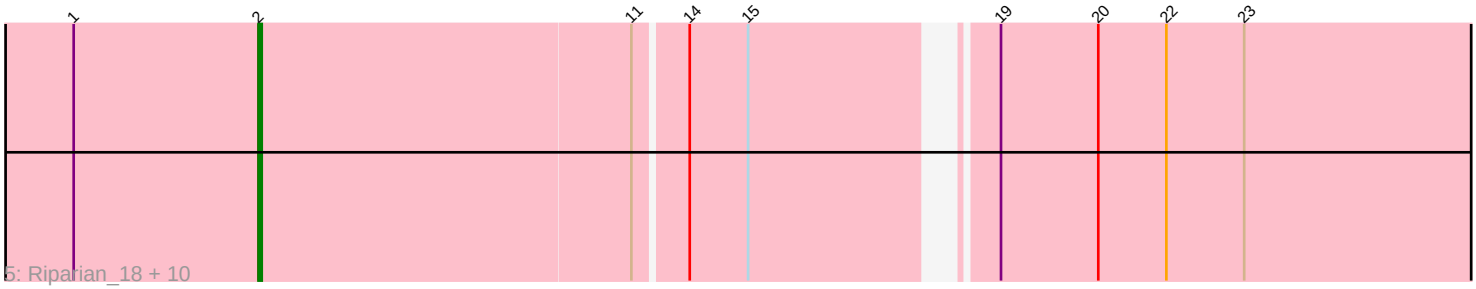
Pham 348102


4
8
10
12
15
20
1: MrMiyagi_12 + 1


4
6
8
9
12
15
20
21
2: Cuke_11


3
12
13
16
20
23
24
3: Indlulamithi_15


5
7
15
17
18
20
4: Leopard_13 + 2


1
2
11
14
15
19
20
22
23
5: Riparian_18 + 10

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 348102 Report

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

Pham number 348102 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MrMiyagi_12, Fowlmouth_12
• Track 2 : Cuke_11
• Track 3 : Indlulamithi_15
• Track 4 : Leopard_13, Onyinye_14, Aikoy_13
• Track 5 : Riparian_18, Rope_18, Candle_18, Zenon_19, MontyDev_18, Papyrus_18, Send513_18, Weiss13_18, Gimesa_19, Yelo_18, Nilo_19

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_18, Gimesa_19, MontyDev_18, Nilo_19, Papyrus_18, Riparian_18, Rope_18, Send513_18, Weiss13_18, Yelo_18, Zenon_19,

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

Genes that do not have the "Most Annotated" start:
• Aikoy_13, Cuke_11, Fowlmouth_12, Indlulamithi_15, Leopard_13, MrMiyagi_12, Onyinye_14,

Summary by start number:

Start 2:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 10 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_18 (R), Gimesa_19 (R), MontyDev_18 (R), Nilo_19 (R), Papyrus_18 (R), Riparian_18 (R), Rope_18 (R), Send513_18 (R), Weiss13_18 (R), Yelo_18 (R), Zenon_19 (R),

Start 3:

• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_15 (AC),

Start 4:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 3 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_11 (AC), Fowlmouth_12 (AC), MrMiyagi_12 (AC),

Start 5:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 3 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikoy_13 (AE), Leopard_13 (AE), Onyinye_14 (AE),

Summary by clusters:

There are 3 clusters represented in this pham: AC, R, AE,

Info for manual annotations of cluster AC:
•Start number 3 was manually annotated 1 time for cluster AC.
•Start number 4 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster AE:
•Start number 5 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster R:
•Start number 2 was manually annotated 10 times for cluster R.

Gene Information:

Gene: Aikoy_13 Start: 4647, Stop: 5045, Start Num: 5
Candidate Starts for Aikoy_13:
(Start: 5 @4647 has 3 MA's), (7, 4668), (15, 4773), (17, 4824), (18, 4845), (20, 4881),

Gene: Candle_18 Start: 12792, Stop: 13160, Start Num: 2
Candidate Starts for Candle_18:
(1, 12735), (Start: 2 @12792 has 10 MA's), (11, 12906), (14, 12921), (15, 12939), (19, 13002), (20, 13032), (22, 13053), (23, 13077),

Gene: Cuke_11 Start: 7988, Stop: 8332, Start Num: 4
Candidate Starts for Cuke_11:
(Start: 4 @7988 has 3 MA's), (6, 8012), (8, 8021), (9, 8027), (12, 8084), (15, 8117), (20, 8213), (21, 8231),

Gene: Fowlmouth_12 Start: 8156, Stop: 8503, Start Num: 4
Candidate Starts for Fowlmouth_12:

(Start: 4 @8156 has 3 MA's), (8, 8192), (10, 8213), (12, 8255), (15, 8288), (20, 8384),

Gene: Gimesa_19 Start: 12602, Stop: 12970, Start Num: 2
Candidate Starts for Gimesa_19:
(1, 12545), (Start: 2 @12602 has 10 MA's), (11, 12716), (14, 12731), (15, 12749), (19, 12812), (20, 12842), (22, 12863), (23, 12887),

Gene: Indlulamithi_15 Start: 10237, Stop: 10599, Start Num: 3
Candidate Starts for Indlulamithi_15:
(Start: 3 @10237 has 1 MA's), (12, 10348), (13, 10357), (16, 10426), (20, 10474), (23, 10519), (24, 10558),

Gene: Leopard_13 Start: 4825, Stop: 5223, Start Num: 5
Candidate Starts for Leopard_13:
(Start: 5 @4825 has 3 MA's), (7, 4846), (15, 4951), (17, 5002), (18, 5023), (20, 5059),

Gene: MontyDev_18 Start: 12450, Stop: 12818, Start Num: 2
Candidate Starts for MontyDev_18:
(1, 12393), (Start: 2 @12450 has 10 MA's), (11, 12564), (14, 12579), (15, 12597), (19, 12660), (20, 12690), (22, 12711), (23, 12735),

Gene: MrMiyagi_12 Start: 8156, Stop: 8503, Start Num: 4
Candidate Starts for MrMiyagi_12:
(Start: 4 @8156 has 3 MA's), (8, 8192), (10, 8213), (12, 8255), (15, 8288), (20, 8384),

Gene: Nilo_19 Start: 12789, Stop: 13157, Start Num: 2
Candidate Starts for Nilo_19:
(1, 12732), (Start: 2 @12789 has 10 MA's), (11, 12903), (14, 12918), (15, 12936), (19, 12999), (20, 13029), (22, 13050), (23, 13074),

Gene: Onyinye_14 Start: 4813, Stop: 5211, Start Num: 5
Candidate Starts for Onyinye_14:
(Start: 5 @4813 has 3 MA's), (7, 4834), (15, 4939), (17, 4990), (18, 5011), (20, 5047),

Gene: Papyrus_18 Start: 12451, Stop: 12819, Start Num: 2
Candidate Starts for Papyrus_18:
(1, 12394), (Start: 2 @12451 has 10 MA's), (11, 12565), (14, 12580), (15, 12598), (19, 12661), (20, 12691), (22, 12712), (23, 12736),

Gene: Riparian_18 Start: 12250, Stop: 12618, Start Num: 2
Candidate Starts for Riparian_18:
(1, 12193), (Start: 2 @12250 has 10 MA's), (11, 12364), (14, 12379), (15, 12397), (19, 12460), (20, 12490), (22, 12511), (23, 12535),

Gene: Rope_18 Start: 12442, Stop: 12810, Start Num: 2
Candidate Starts for Rope_18:
(1, 12385), (Start: 2 @12442 has 10 MA's), (11, 12556), (14, 12571), (15, 12589), (19, 12652), (20, 12682), (22, 12703), (23, 12727),

Gene: Send513_18 Start: 12792, Stop: 13160, Start Num: 2
Candidate Starts for Send513_18:
(1, 12735), (Start: 2 @12792 has 10 MA's), (11, 12906), (14, 12921), (15, 12939), (19, 13002), (20, 13032), (22, 13053), (23, 13077),

Gene: Weiss13_18 Start: 12482, Stop: 12850, Start Num: 2
Candidate Starts for Weiss13_18:
(1, 12425), (Start: 2 @12482 has 10 MA's), (11, 12596), (14, 12611), (15, 12629), (19, 12692), (20, 12722), (22, 12743), (23, 12767),

Gene: Yelo_18 Start: 12792, Stop: 13160, Start Num: 2
Candidate Starts for Yelo_18:
(1, 12735), (Start: 2 @12792 has 10 MA's), (11, 12906), (14, 12921), (15, 12939), (19, 13002), (20, 13032), (22, 13053), (23, 13077),

Gene: Zenon_19 Start: 12794, Stop: 13162, Start Num: 2
Candidate Starts for Zenon_19:
(1, 12737), (Start: 2 @12794 has 10 MA's), (11, 12908), (14, 12923), (15, 12941), (19, 13004), (20, 13034), (22, 13055), (23, 13079),