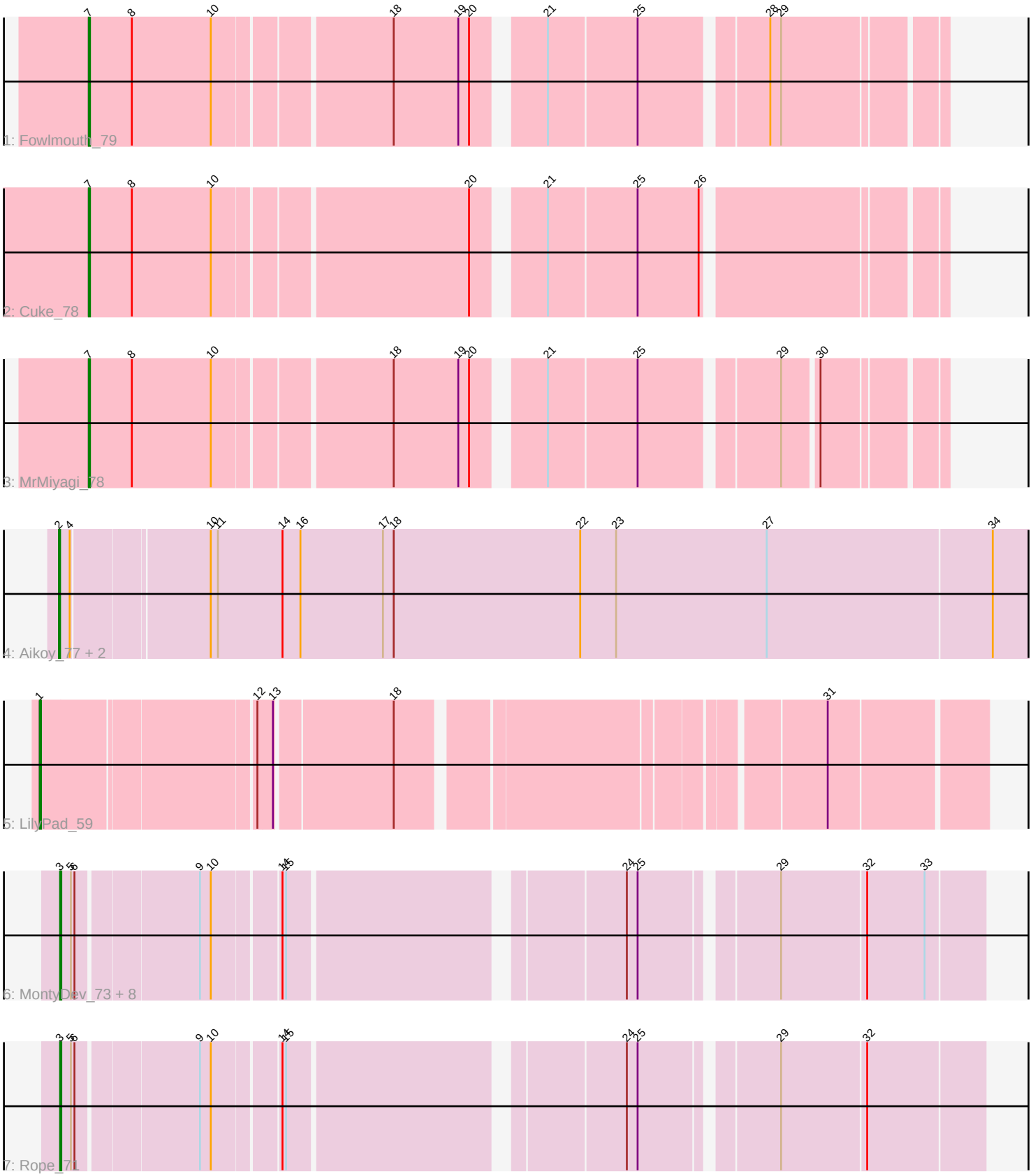
Pham 284244


7
8
10
18
19
20
21
25
28
29
1: Fowlmouth_79
7
8
10
20
21
25
26
2: Cuke_78
7
8
10
18
19
20
21
25
29
30
3: MrMiyagi_78
2
4
10
11
14
16
17
18
22
23
27
34
4: Aikoy_77 + 2
1
12
13
18
31
5: LilyPad_59
3
5
6
9
10
14
15
24
25
29
32
33
6: MontyDev_73 + 8
3
5
6
9
10
14
15
24
25
29
32
7: Rope_71

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 284244 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284244 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Fowlmouth_79
• Track 2 : Cuke_78
• Track 3 : MrMiyagi_78
• Track 4 : Aikoy_77, Leopard_76, Onyinye_77
• Track 5 : LilyPad_59
• Track 6 : MontyDev_73, Nilo_73, Papyrus_71, Riparian_73, Weiss13_71, Candle_69, Zenon_73, Send513_71, Yelo_70
• Track 7 : Rope_71

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_69, MontyDev_73, Nilo_73, Papyrus_71, Riparian_73, Rope_71, Send513_71, Weiss13_71, Yelo_70, Zenon_73,

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

Genes that do not have the "Most Annotated" start:
• Aikoy_77, Cuke_78, Fowlmouth_79, Leopard_76, LilyPad_59, MrMiyagi_78, Onyinye_77,

Summary by start number:

Start 1:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilyPad_59 (DG1),

Start 2:

• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikoy_77 (AE), Leopard_76 (AE), Onyinye_77 (AE),

Start 3:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 9 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_69 (R), MontyDev_73 (R), Nilo_73 (R), Papyrus_71 (R), Riparian_73 (R), Rope_71 (R), Send513_71 (R), Weiss13_71 (R), Yelo_70 (R), Zenon_73 (R),

Start 7:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_78 (AC), Fowlmouth_79 (AC), MrMiyagi_78 (AC),

Summary by clusters:

There are 4 clusters represented in this pham: DG1, AC, R, AE,

Info for manual annotations of cluster AC:
•Start number 7 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster AE:
•Start number 2 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster DG1:
•Start number 1 was manually annotated 1 time for cluster DG1.

Info for manual annotations of cluster R:
•Start number 3 was manually annotated 9 times for cluster R.

Gene Information:

Gene: Aikoy_77 Start: 52913, Stop: 53719, Start Num: 2
Candidate Starts for Aikoy_77:
(Start: 2 @52913 has 3 MA's), (4, 52922), (10, 53030), (11, 53036), (14, 53090), (16, 53105), (17, 53174), (18, 53183), (22, 53339), (23, 53369), (27, 53495), (34, 53681),

Gene: Candle_69 Start: 53817, Stop: 54518, Start Num: 3
Candidate Starts for Candle_69:
(Start: 3 @53817 has 9 MA's), (5, 53826), (6, 53829), (9, 53925), (10, 53934), (14, 53985), (15, 53988), (24, 54243), (25, 54252), (29, 54354), (32, 54423), (33, 54471),

Gene: Cuke_78 Start: 47129, Stop: 47785, Start Num: 7
Candidate Starts for Cuke_78:

(Start: 7 @47129 has 3 MA's), (8, 47165), (10, 47231), (20, 47432), (21, 47480), (25, 47552), (26, 47603),

Gene: Fowlmouth_79 Start: 49705, Stop: 50358, Start Num: 7
Candidate Starts for Fowlmouth_79:
(Start: 7 @49705 has 3 MA's), (8, 49741), (10, 49807), (18, 49945), (19, 49999), (20, 50008), (21, 50056), (25, 50128), (28, 50224), (29, 50233),

Gene: Leopard_76 Start: 53219, Stop: 54025, Start Num: 2
Candidate Starts for Leopard_76:
(Start: 2 @53219 has 3 MA's), (4, 53228), (10, 53336), (11, 53342), (14, 53396), (16, 53411), (17, 53480), (18, 53489), (22, 53645), (23, 53675), (27, 53801), (34, 53987),

Gene: LilyPad_59 Start: 43912, Stop: 44631, Start Num: 1
Candidate Starts for LilyPad_59:
(Start: 1 @43912 has 1 MA's), (12, 44080), (13, 44092), (18, 44185), (31, 44506),

Gene: MontyDev_73 Start: 53458, Stop: 54159, Start Num: 3
Candidate Starts for MontyDev_73:
(Start: 3 @53458 has 9 MA's), (5, 53467), (6, 53470), (9, 53566), (10, 53575), (14, 53626), (15, 53629), (24, 53884), (25, 53893), (29, 53995), (32, 54064), (33, 54112),

Gene: MrMiyagi_78 Start: 50107, Stop: 50754, Start Num: 7
Candidate Starts for MrMiyagi_78:
(Start: 7 @50107 has 3 MA's), (8, 50143), (10, 50209), (18, 50347), (19, 50401), (20, 50410), (21, 50458), (25, 50530), (29, 50635), (30, 50662),

Gene: Nilo_73 Start: 53815, Stop: 54516, Start Num: 3
Candidate Starts for Nilo_73:
(Start: 3 @53815 has 9 MA's), (5, 53824), (6, 53827), (9, 53923), (10, 53932), (14, 53983), (15, 53986), (24, 54241), (25, 54250), (29, 54352), (32, 54421), (33, 54469),

Gene: Onyinye_77 Start: 53086, Stop: 53895, Start Num: 2
Candidate Starts for Onyinye_77:
(Start: 2 @53086 has 3 MA's), (4, 53095), (10, 53203), (11, 53209), (14, 53263), (16, 53278), (17, 53347), (18, 53356), (22, 53512), (23, 53542), (27, 53668), (34, 53857),

Gene: Papyrus_71 Start: 53425, Stop: 54126, Start Num: 3
Candidate Starts for Papyrus_71:
(Start: 3 @53425 has 9 MA's), (5, 53434), (6, 53437), (9, 53533), (10, 53542), (14, 53593), (15, 53596), (24, 53851), (25, 53860), (29, 53962), (32, 54031), (33, 54079),

Gene: Riparian_73 Start: 53262, Stop: 53963, Start Num: 3
Candidate Starts for Riparian_73:
(Start: 3 @53262 has 9 MA's), (5, 53271), (6, 53274), (9, 53370), (10, 53379), (14, 53430), (15, 53433), (24, 53688), (25, 53697), (29, 53799), (32, 53868), (33, 53916),

Gene: Rope_71 Start: 53418, Stop: 54119, Start Num: 3
Candidate Starts for Rope_71:
(Start: 3 @53418 has 9 MA's), (5, 53427), (6, 53430), (9, 53526), (10, 53535), (14, 53586), (15, 53589), (24, 53844), (25, 53853), (29, 53955), (32, 54024),

Gene: Send513_71 Start: 53796, Stop: 54497, Start Num: 3

Candidate Starts for Send513_71:
(Start: 3 @53796 has 9 MA's), (5, 53805), (6, 53808), (9, 53904), (10, 53913), (14, 53964), (15, 53967), (24, 54222), (25, 54231), (29, 54333), (32, 54402), (33, 54450),

Gene: Weiss13_71 Start: 53499, Stop: 54200, Start Num: 3
Candidate Starts for Weiss13_71:
(Start: 3 @53499 has 9 MA's), (5, 53508), (6, 53511), (9, 53607), (10, 53616), (14, 53667), (15, 53670), (24, 53925), (25, 53934), (29, 54036), (32, 54105), (33, 54153),

Gene: Yelo_70 Start: 53878, Stop: 54579, Start Num: 3
Candidate Starts for Yelo_70:
(Start: 3 @53878 has 9 MA's), (5, 53887), (6, 53890), (9, 53986), (10, 53995), (14, 54046), (15, 54049), (24, 54304), (25, 54313), (29, 54415), (32, 54484), (33, 54532),

Gene: Zenon_73 Start: 53822, Stop: 54523, Start Num: 3
Candidate Starts for Zenon_73:
(Start: 3 @53822 has 9 MA's), (5, 53831), (6, 53834), (9, 53930), (10, 53939), (14, 53990), (15, 53993), (24, 54248), (25, 54257), (29, 54359), (32, 54428), (33, 54476),