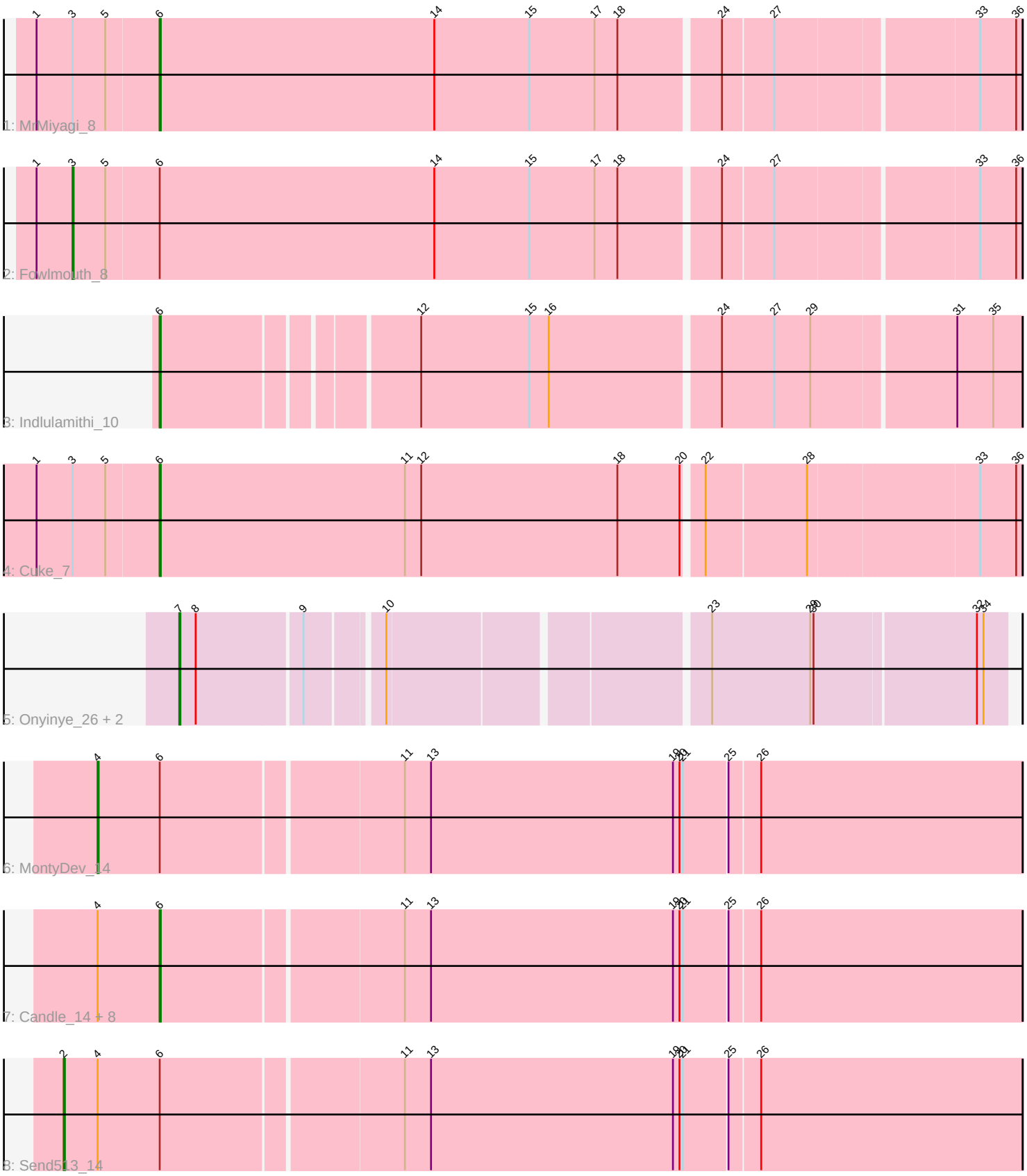
Pham 344459


1: MrMiyagi_8
2: Fowlmouth_8
3: Indlulamithi_10
4: Cuke_7
5: Onyinye_26 + 2
6: MontyDev_14
7: Candle_14 + 8
8: Send513_14

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 344459 Report

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

Pham number 344459 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MrMiyagi_8
• Track 2 : Fowlmouth_8
• Track 3 : Indlulamithi_10
• Track 4 : Cuke_7
• Track 5 : Onyinye_26, Leopard_25, Aikoy_25
• Track 6 : MontyDev_14
• Track 7 : Candle_14, Riparian_14, Gimesa_15, Zenon_15, Nilo_15, Weiss13_14, Rope_14, Papyrus_14, Yelo_14
• Track 8 : Send513_14

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_14, Cuke_7, Gimesa_15, Indlulamithi_10, MrMiyagi_8, Nilo_15, Papyrus_14, Riparian_14, Rope_14, Weiss13_14, Yelo_14, Zenon_15,

Genes that have the "Most Annotated" start but do not call it:
• Fowlmouth_8, MontyDev_14, Send513_14,

Genes that do not have the "Most Annotated" start:
• Aikoy_25, Leopard_25, Onyinye_26,

Summary by start number:

Start 2:
• 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: Send513_14 (R),

Start 3:

• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Fowlmouth_8 (AC),

Start 4:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 9.1% of time when present
• Phage (with cluster) where this start called: MontyDev_14 (R),

Start 6:
• Found in 15 of 18 (83.3%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Candle_14 (R), Cuke_7 (AC), Gimesa_15 (R), Indlulamithi_10 (AC), MrMiyagi_8 (AC), Nilo_15 (R), Papyrus_14 (R), Riparian_14 (R), Rope_14 (R), Weiss13_14 (R), Yelo_14 (R), Zenon_15 (R),

Start 7:
• 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_25 (AE), Leopard_25 (AE), Onyinye_26 (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 6 was manually annotated 3 times for cluster AC.

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

Info for manual annotations of cluster R:
•Start number 2 was manually annotated 1 time for cluster R.
•Start number 4 was manually annotated 1 time for cluster R.
•Start number 6 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Aikoy_25 Start: 15561, Stop: 16268, Start Num: 7
Candidate Starts for Aikoy_25:
(Start: 7 @15561 has 3 MA's), (8, 15576), (9, 15669), (10, 15732), (23, 16005), (29, 16095), (30, 16098), (32, 16242), (34, 16248),

Gene: Candle_14 Start: 9679, Stop: 10452, Start Num: 6
Candidate Starts for Candle_14:

(Start: 4 @9622 has 1 MA's), (Start: 6 @9679 has 11 MA's), (11, 9892), (13, 9916), (19, 10138), (20, 10144), (21, 10147), (25, 10186), (26, 10213),

Gene: Cuke_7 Start: 5103, Stop: 5873, Start Num: 6
Candidate Starts for Cuke_7:
(1, 4992), (Start: 3 @5025 has 1 MA's), (5, 5055), (Start: 6 @5103 has 11 MA's), (11, 5328), (12, 5343), (18, 5523), (20, 5580), (22, 5595), (28, 5685), (33, 5835), (36, 5868),

Gene: Fowlmouth_8 Start: 5195, Stop: 6037, Start Num: 3
Candidate Starts for Fowlmouth_8:
(1, 5162), (Start: 3 @5195 has 1 MA's), (5, 5225), (Start: 6 @5273 has 11 MA's), (14, 5525), (15, 5612), (17, 5672), (18, 5693), (24, 5780), (27, 5825), (33, 5999), (36, 6032),

Gene: Gimesa_15 Start: 9489, Stop: 10262, Start Num: 6
Candidate Starts for Gimesa_15:
(Start: 4 @9432 has 1 MA's), (Start: 6 @9489 has 11 MA's), (11, 9702), (13, 9726), (19, 9948), (20, 9954), (21, 9957), (25, 9996), (26, 10023),

Gene: Indlulamithi_10 Start: 6839, Stop: 7588, Start Num: 6
Candidate Starts for Indlulamithi_10:
(Start: 6 @6839 has 11 MA's), (12, 7055), (15, 7154), (16, 7172), (24, 7322), (27, 7370), (29, 7403), (31, 7529), (35, 7562),

Gene: Leopard_25 Start: 15846, Stop: 16553, Start Num: 7
Candidate Starts for Leopard_25:
(Start: 7 @15846 has 3 MA's), (8, 15861), (9, 15954), (10, 16017), (23, 16290), (29, 16380), (30, 16383), (32, 16527), (34, 16533),

Gene: MontyDev_14 Start: 9280, Stop: 10110, Start Num: 4
Candidate Starts for MontyDev_14:
(Start: 4 @9280 has 1 MA's), (Start: 6 @9337 has 11 MA's), (11, 9550), (13, 9574), (19, 9796), (20, 9802), (21, 9805), (25, 9844), (26, 9871),

Gene: MrMiyagi_8 Start: 5273, Stop: 6037, Start Num: 6
Candidate Starts for MrMiyagi_8:
(1, 5162), (Start: 3 @5195 has 1 MA's), (5, 5225), (Start: 6 @5273 has 11 MA's), (14, 5525), (15, 5612), (17, 5672), (18, 5693), (24, 5780), (27, 5825), (33, 5999), (36, 6032),

Gene: Nilo_15 Start: 9679, Stop: 10449, Start Num: 6
Candidate Starts for Nilo_15:
(Start: 4 @9622 has 1 MA's), (Start: 6 @9679 has 11 MA's), (11, 9889), (13, 9913), (19, 10135), (20, 10141), (21, 10144), (25, 10183), (26, 10210),

Gene: Onyinye_26 Start: 15727, Stop: 16434, Start Num: 7
Candidate Starts for Onyinye_26:
(Start: 7 @15727 has 3 MA's), (8, 15742), (9, 15835), (10, 15898), (23, 16171), (29, 16261), (30, 16264), (32, 16408), (34, 16414),

Gene: Papyrus_14 Start: 9338, Stop: 10111, Start Num: 6
Candidate Starts for Papyrus_14:
(Start: 4 @9281 has 1 MA's), (Start: 6 @9338 has 11 MA's), (11, 9551), (13, 9575), (19, 9797), (20, 9803), (21, 9806), (25, 9845), (26, 9872),

Gene: Riparian_14 Start: 9137, Stop: 9910, Start Num: 6
Candidate Starts for Riparian_14:
(Start: 4 @9080 has 1 MA's), (Start: 6 @9137 has 11 MA's), (11, 9350), (13, 9374), (19, 9596), (20, 9602), (21, 9605), (25, 9644), (26, 9671),

Gene: Rope_14 Start: 9329, Stop: 10102, Start Num: 6
Candidate Starts for Rope_14:
(Start: 4 @9272 has 1 MA's), (Start: 6 @9329 has 11 MA's), (11, 9542), (13, 9566), (19, 9788), (20, 9794), (21, 9797), (25, 9836), (26, 9863),

Gene: Send513_14 Start: 9592, Stop: 10452, Start Num: 2
Candidate Starts for Send513_14:
(Start: 2 @9592 has 1 MA's), (Start: 4 @9622 has 1 MA's), (Start: 6 @9679 has 11 MA's), (11, 9892), (13, 9916), (19, 10138), (20, 10144), (21, 10147), (25, 10186), (26, 10213),

Gene: Weiss13_14 Start: 9368, Stop: 10141, Start Num: 6
Candidate Starts for Weiss13_14:
(Start: 4 @9311 has 1 MA's), (Start: 6 @9368 has 11 MA's), (11, 9581), (13, 9605), (19, 9827), (20, 9833), (21, 9836), (25, 9875), (26, 9902),

Gene: Yelo_14 Start: 9679, Stop: 10452, Start Num: 6
Candidate Starts for Yelo_14:
(Start: 4 @9622 has 1 MA's), (Start: 6 @9679 has 11 MA's), (11, 9892), (13, 9916), (19, 10138), (20, 10144), (21, 10147), (25, 10186), (26, 10213),

Gene: Zenon_15 Start: 9681, Stop: 10454, Start Num: 6
Candidate Starts for Zenon_15:
(Start: 4 @9624 has 1 MA's), (Start: 6 @9681 has 11 MA's), (11, 9894), (13, 9918), (19, 10140), (20, 10146), (21, 10149), (25, 10188), (26, 10215),