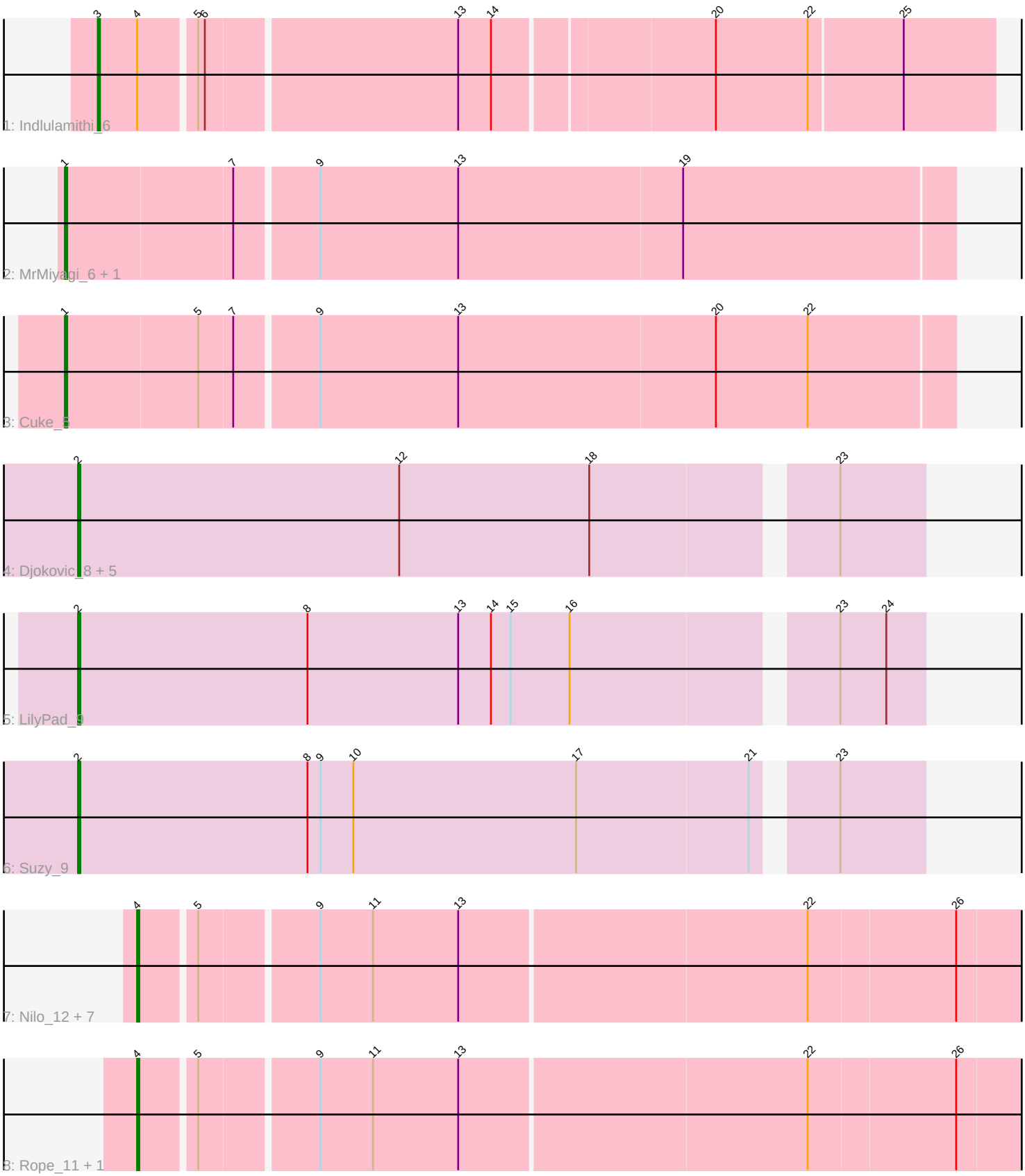
Pham 216553


3
4
5
6
13
14
20
22
25
1: Indlulamithi_6
1
7
9
13
19
2: MrMiyagi_6 + 1
1
5
7
9
13
20
22
3: Cuke_5
2
12
18
23
4: Djokovic_8 + 5
2
8
13
14
15
16
23
24
5: LilyPad_9
2
8
9
10
17
21
23
6: Suzy_9
4
5
9
11
13
22
26
7: Nilo_12 + 7
4
5
9
11
13
22
26
8: Rope_11 + 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 216553 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216553 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Indlulamithi_6
• Track 2 : MrMiyagi_6, Fowlmouth_6
• Track 3 : Cuke_5
• Track 4 : Djokovic_8, Terapin_8, Sienna_8, BiteSize_8, Beyoncage_8, Madi_8
• Track 5 : LilyPad_9
• Track 6 : Suzy_9
• Track 7 : Nilo_12, Zenon_12, Papyrus_11, Yelo_11, Send513_11, Weiss13_11, MontyDev_11, Candle_11
• Track 8 : Rope_11, Riparian_11

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_11, MontyDev_11, Nilo_12, Papyrus_11, Riparian_11, Rope_11, Send513_11, Weiss13_11, Yelo_11, Zenon_12,

Genes that have the "Most Annotated" start but do not call it:
• Indlulamithi_6,

Genes that do not have the "Most Annotated" start:
• Beyoncage_8, BiteSize_8, Cuke_5, Djokovic_8, Fowlmouth_6, LilyPad_9, Madi_8, MrMiyagi_6, Sienna_8, Suzy_9, Terapin_8,

Summary by start number:

Start 1:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_5 (AC), Fowlmouth_6 (AC), MrMiyagi_6 (AC),

Start 2:
• Found in 8 of 22 (36.4%) of genes in pham
• Manual Annotations of this start: 8 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_8 (DG1), BiteSize_8 (DG1), Djokovic_8 (DG1), LilyPad_9 (DG1), Madi_8 (DG1), Sienna_8 (DG1), Suzy_9 (DG1), Terapin_8 (DG1),

Start 3:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlulamithi_6 (AC),

Start 4:
• Found in 11 of 22 (50.0%) of genes in pham
• Manual Annotations of this start: 9 of 21
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Candle_11 (R), MontyDev_11 (R), Nilo_12 (R), Papyrus_11 (R), Riparian_11 (R), Rope_11 (R), Send513_11 (R), Weiss13_11 (R), Yelo_11 (R), Zenon_12 (R),

Summary by clusters:

There are 3 clusters represented in this pham: R, DG1, AC,

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

Info for manual annotations of cluster DG1:
•Start number 2 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster R:
•Start number 4 was manually annotated 9 times for cluster R.

Gene Information:

Gene: Beyoncage_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for Beyoncage_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: BiteSize_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for BiteSize_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: Candle_11 Start: 6411, Stop: 6803, Start Num: 4
Candidate Starts for Candle_11:
(Start: 4 @6411 has 9 MA's), (5, 6435), (9, 6486), (11, 6510), (13, 6549), (22, 6705), (26, 6771),

Gene: Cuke_5 Start: 3636, Stop: 4034, Start Num: 1
Candidate Starts for Cuke_5:
(Start: 1 @3636 has 3 MA's), (5, 3696), (7, 3711), (9, 3747), (13, 3810), (20, 3927), (22, 3969),

Gene: Djokovic_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for Djokovic_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: Fowlmouth_6 Start: 3802, Stop: 4200, Start Num: 1
Candidate Starts for Fowlmouth_6:
(Start: 1 @3802 has 3 MA's), (7, 3877), (9, 3913), (13, 3976), (19, 4078),

Gene: Indlulamithi_6 Start: 3798, Stop: 4190, Start Num: 3
Candidate Starts for Indlulamithi_6:
(Start: 3 @3798 has 1 MA's), (Start: 4 @3816 has 9 MA's), (5, 3840), (6, 3843), (13, 3954), (14, 3969), (20, 4065), (22, 4107), (25, 4149),

Gene: LilyPad_9 Start: 6255, Stop: 6629, Start Num: 2
Candidate Starts for LilyPad_9:
(Start: 2 @6255 has 8 MA's), (8, 6360), (13, 6429), (14, 6444), (15, 6453), (16, 6480), (23, 6591), (24, 6612),

Gene: Madi_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for Madi_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: MontyDev_11 Start: 6069, Stop: 6461, Start Num: 4
Candidate Starts for MontyDev_11:
(Start: 4 @6069 has 9 MA's), (5, 6093), (9, 6144), (11, 6168), (13, 6207), (22, 6363), (26, 6429),

Gene: MrMiyagi_6 Start: 3802, Stop: 4200, Start Num: 1
Candidate Starts for MrMiyagi_6:
(Start: 1 @3802 has 3 MA's), (7, 3877), (9, 3913), (13, 3976), (19, 4078),

Gene: Nilo_12 Start: 6411, Stop: 6803, Start Num: 4
Candidate Starts for Nilo_12:
(Start: 4 @6411 has 9 MA's), (5, 6435), (9, 6486), (11, 6510), (13, 6549), (22, 6705), (26, 6771),

Gene: Papyrus_11 Start: 6070, Stop: 6462, Start Num: 4
Candidate Starts for Papyrus_11:
(Start: 4 @6070 has 9 MA's), (5, 6094), (9, 6145), (11, 6169), (13, 6208), (22, 6364), (26, 6430),

Gene: Riparian_11 Start: 5869, Stop: 6261, Start Num: 4
Candidate Starts for Riparian_11:
(Start: 4 @5869 has 9 MA's), (5, 5893), (9, 5944), (11, 5968), (13, 6007), (22, 6163), (26, 6229),

Gene: Rope_11 Start: 6061, Stop: 6453, Start Num: 4
Candidate Starts for Rope_11:
(Start: 4 @6061 has 9 MA's), (5, 6085), (9, 6136), (11, 6160), (13, 6199), (22, 6355), (26, 6421),

Gene: Send513_11 Start: 6411, Stop: 6803, Start Num: 4
Candidate Starts for Send513_11:
(Start: 4 @6411 has 9 MA's), (5, 6435), (9, 6486), (11, 6510), (13, 6549), (22, 6705), (26, 6771),

Gene: Sienna_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for Sienna_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: Suzy_9 Start: 6741, Stop: 7115, Start Num: 2
Candidate Starts for Suzy_9:
(Start: 2 @6741 has 8 MA's), (8, 6846), (9, 6852), (10, 6867), (17, 6969), (21, 7047), (23, 7077),

Gene: Terapin_8 Start: 5498, Stop: 5872, Start Num: 2
Candidate Starts for Terapin_8:
(Start: 2 @5498 has 8 MA's), (12, 5645), (18, 5732), (23, 5834),

Gene: Weiss13_11 Start: 6100, Stop: 6492, Start Num: 4
Candidate Starts for Weiss13_11:
(Start: 4 @6100 has 9 MA's), (5, 6124), (9, 6175), (11, 6199), (13, 6238), (22, 6394), (26, 6460),

Gene: Yelo_11 Start: 6411, Stop: 6803, Start Num: 4
Candidate Starts for Yelo_11:
(Start: 4 @6411 has 9 MA's), (5, 6435), (9, 6486), (11, 6510), (13, 6549), (22, 6705), (26, 6771),

Gene: Zenon_12 Start: 6413, Stop: 6805, Start Num: 4
Candidate Starts for Zenon_12:
(Start: 4 @6413 has 9 MA's), (5, 6437), (9, 6488), (11, 6512), (13, 6551), (22, 6707), (26, 6773),