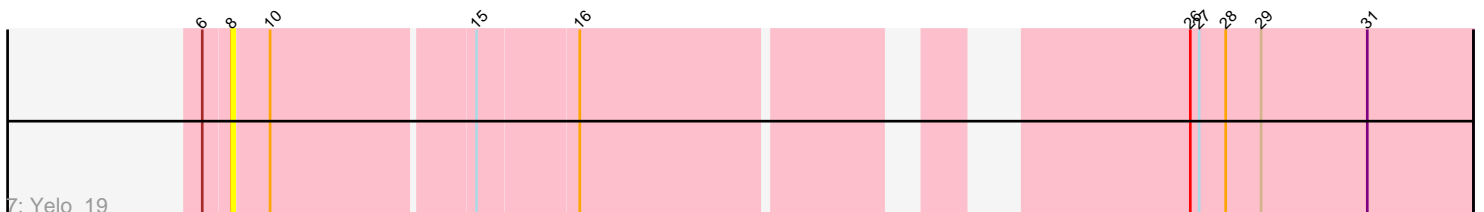
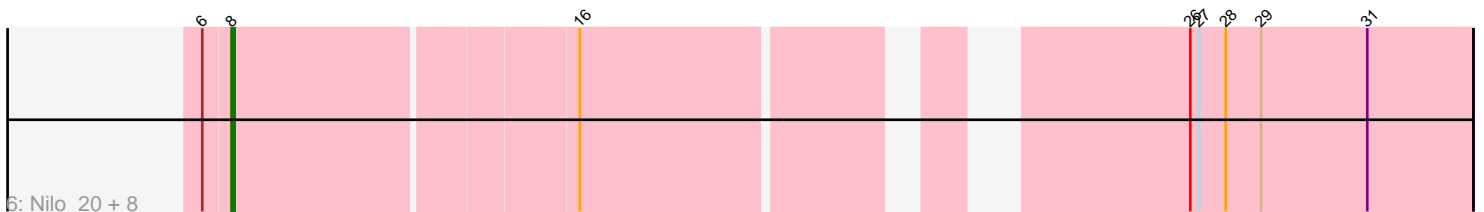
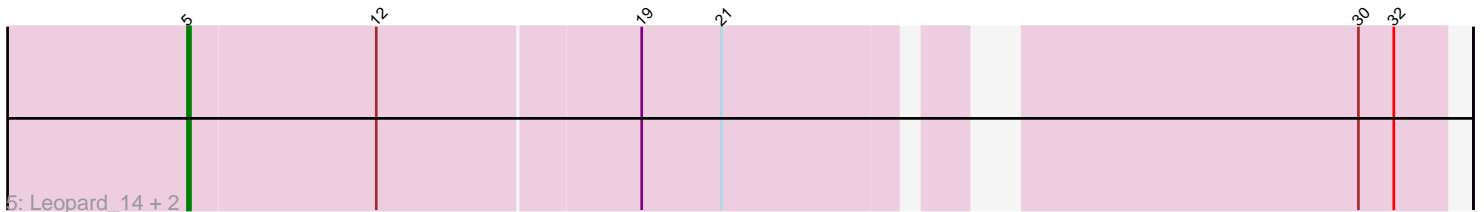
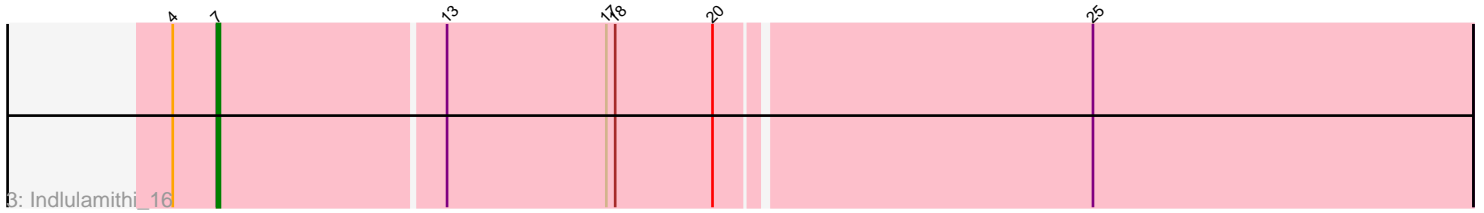
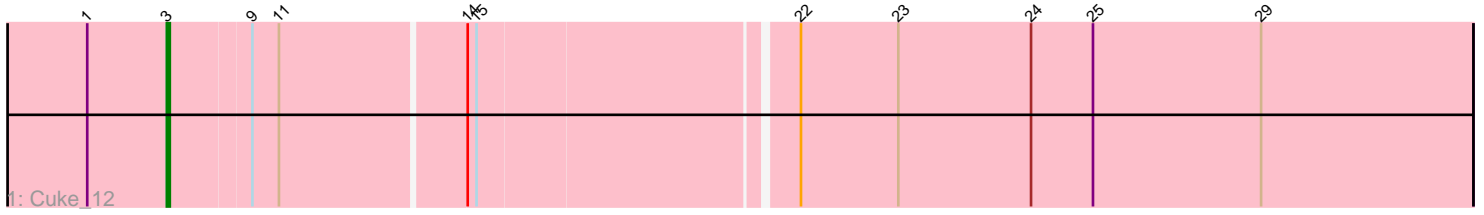


Pham 171834



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 171834 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171834 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Cuke_12
- Track 2 : MrMiyagi_13
- Track 3 : Indlulamithi_16
- Track 4 : Fowlmouth_13
- Track 5 : Leopard_14, Onyinye_15, Aikoy_14
- Track 6 : Nilo_20, Riparian_19, MontyDev_19, Candle_19, Zenon_20, Papyrus_19, Send513_19, Rope_19, Weiss13_19
- Track 7 : Yelo_19

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candle_19, MontyDev_19, Nilo_20, Papyrus_19, Riparian_19, Rope_19, Send513_19, Weiss13_19, Yelo_19, Zenon_20,

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

-

Genes that do not have the "Most Annotated" start:

- Aikoy_14, Cuke_12, Fowlmouth_13, Indlulamithi_16, Leopard_14, MrMiyagi_13, Onyinye_15,

Summary by start number:

Start 3:

- 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_12 (AC), Fowlmouth_13 (AC), MrMiyagi_13 (AC),

Start 5:

- 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_14 (AE), Leopard_14 (AE), Onyinye_15 (AE),

Start 7:

- 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: Indlulamithi_16 (AC),

Start 8:

- 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_19 (R), MontyDev_19 (R), Nilo_20 (R), Papyrus_19 (R), Riparian_19 (R), Rope_19 (R), Send513_19 (R), Weiss13_19 (R), Yelo_19 (R), Zenon_20 (R),

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 3 times for cluster AC.
- Start number 7 was manually annotated 1 time 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 8 was manually annotated 9 times for cluster R.

Gene Information:

Gene: Aikoy_14 Start: 5054, Stop: 5449, Start Num: 5

Candidate Starts for Aikoy_14:

(Start: 5 @5054 has 3 MA's), (12, 5117), (19, 5204), (21, 5231), (30, 5420), (32, 5432),

Gene: Candle_19 Start: 13157, Stop: 13534, Start Num: 8

Candidate Starts for Candle_19:

(6, 13148), (Start: 8 @13157 has 9 MA's), (16, 13268), (26, 13439), (27, 13442), (28, 13451), (29, 13463), (31, 13499),

Gene: Cuke_12 Start: 8316, Stop: 8744, Start Num: 3

Candidate Starts for Cuke_12:

(1, 8289), (Start: 3 @8316 has 3 MA's), (9, 8343), (11, 8352), (14, 8412), (15, 8415), (22, 8517), (23, 8550), (24, 8595), (25, 8616), (29, 8673),

Gene: Fowlmouth_13 Start: 8487, Stop: 8915, Start Num: 3
Candidate Starts for Fowlmouth_13:
(1, 8460), (2, 8463), (Start: 3 @8487 has 3 MA's), (14, 8583), (24, 8766), (25, 8787),

Gene: Indlulamithi_16 Start: 10589, Stop: 11005, Start Num: 7
Candidate Starts for Indlulamithi_16:
(4, 10574), (Start: 7 @10589 has 1 MA's), (13, 10664), (17, 10718), (18, 10721), (20, 10754), (25, 10877),

Gene: Leopard_14 Start: 5232, Stop: 5627, Start Num: 5
Candidate Starts for Leopard_14:
(Start: 5 @5232 has 3 MA's), (12, 5295), (19, 5382), (21, 5409), (30, 5598), (32, 5610),

Gene: MontyDev_19 Start: 12815, Stop: 13192, Start Num: 8
Candidate Starts for MontyDev_19:
(6, 12806), (Start: 8 @12815 has 9 MA's), (16, 12926), (26, 13097), (27, 13100), (28, 13109), (29, 13121), (31, 13157),

Gene: MrMiyagi_13 Start: 8487, Stop: 8915, Start Num: 3
Candidate Starts for MrMiyagi_13:
(1, 8460), (2, 8463), (Start: 3 @8487 has 3 MA's), (14, 8583), (16, 8619), (24, 8766), (25, 8787), (27, 8823),

Gene: Nilo_20 Start: 13154, Stop: 13531, Start Num: 8
Candidate Starts for Nilo_20:
(6, 13145), (Start: 8 @13154 has 9 MA's), (16, 13265), (26, 13436), (27, 13439), (28, 13448), (29, 13460), (31, 13496),

Gene: Onyinye_15 Start: 5220, Stop: 5615, Start Num: 5
Candidate Starts for Onyinye_15:
(Start: 5 @5220 has 3 MA's), (12, 5283), (19, 5370), (21, 5397), (30, 5586), (32, 5598),

Gene: Papyrus_19 Start: 12816, Stop: 13193, Start Num: 8
Candidate Starts for Papyrus_19:
(6, 12807), (Start: 8 @12816 has 9 MA's), (16, 12927), (26, 13098), (27, 13101), (28, 13110), (29, 13122), (31, 13158),

Gene: Riparian_19 Start: 12615, Stop: 12992, Start Num: 8
Candidate Starts for Riparian_19:
(6, 12606), (Start: 8 @12615 has 9 MA's), (16, 12726), (26, 12897), (27, 12900), (28, 12909), (29, 12921), (31, 12957),

Gene: Rope_19 Start: 12807, Stop: 13184, Start Num: 8
Candidate Starts for Rope_19:
(6, 12798), (Start: 8 @12807 has 9 MA's), (16, 12918), (26, 13089), (27, 13092), (28, 13101), (29, 13113), (31, 13149),

Gene: Send513_19 Start: 13157, Stop: 13534, Start Num: 8
Candidate Starts for Send513_19:
(6, 13148), (Start: 8 @13157 has 9 MA's), (16, 13268), (26, 13439), (27, 13442), (28, 13451), (29, 13463), (31, 13499),

Gene: Weiss13_19 Start: 12847, Stop: 13224, Start Num: 8

Candidate Starts for Weiss13_19:

(6, 12838), (Start: 8 @12847 has 9 MA's), (16, 12958), (26, 13129), (27, 13132), (28, 13141), (29, 13153), (31, 13189),

Gene: Yelo_19 Start: 13157, Stop: 13534, Start Num: 8

Candidate Starts for Yelo_19:

(6, 13148), (Start: 8 @13157 has 9 MA's), (10, 13169), (15, 13235), (16, 13268), (26, 13439), (27, 13442), (28, 13451), (29, 13463), (31, 13499),

Gene: Zenon_20 Start: 13159, Stop: 13536, Start Num: 8

Candidate Starts for Zenon_20:

(6, 13150), (Start: 8 @13159 has 9 MA's), (16, 13270), (26, 13441), (27, 13444), (28, 13453), (29, 13465), (31, 13501),