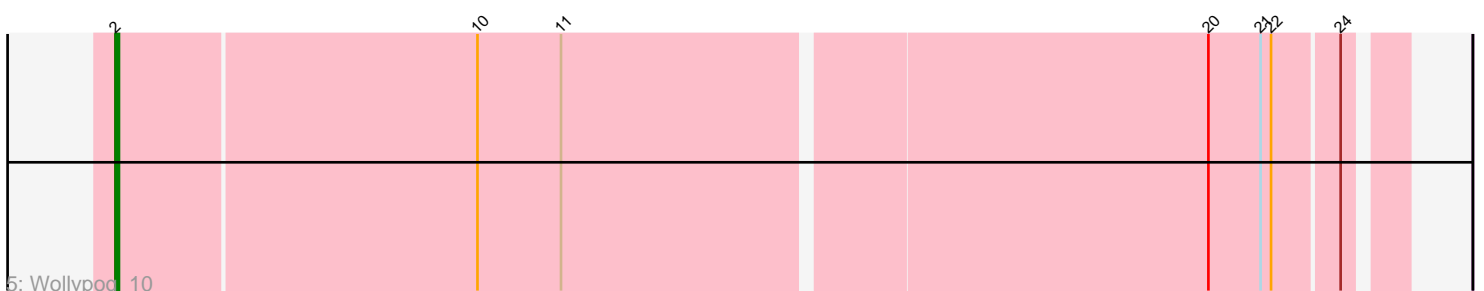
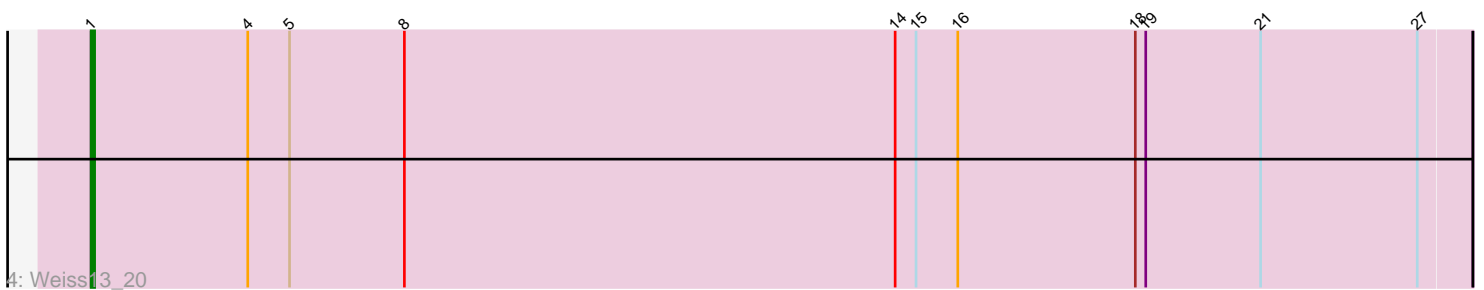
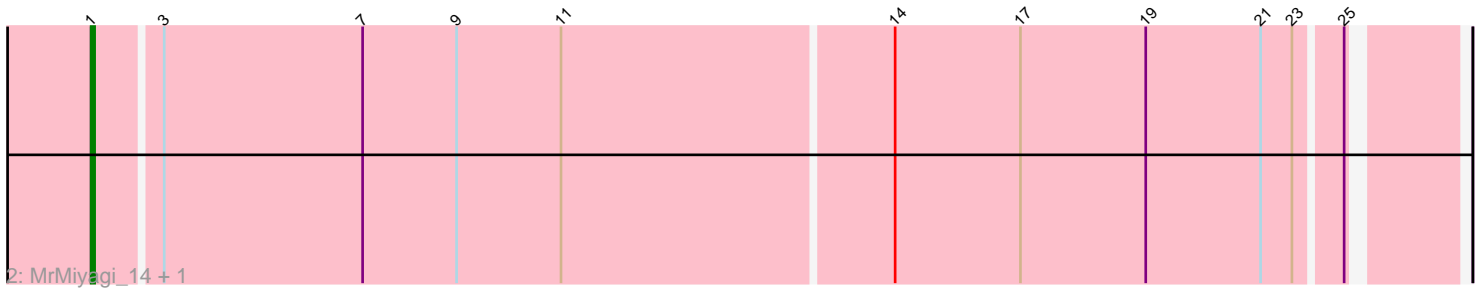
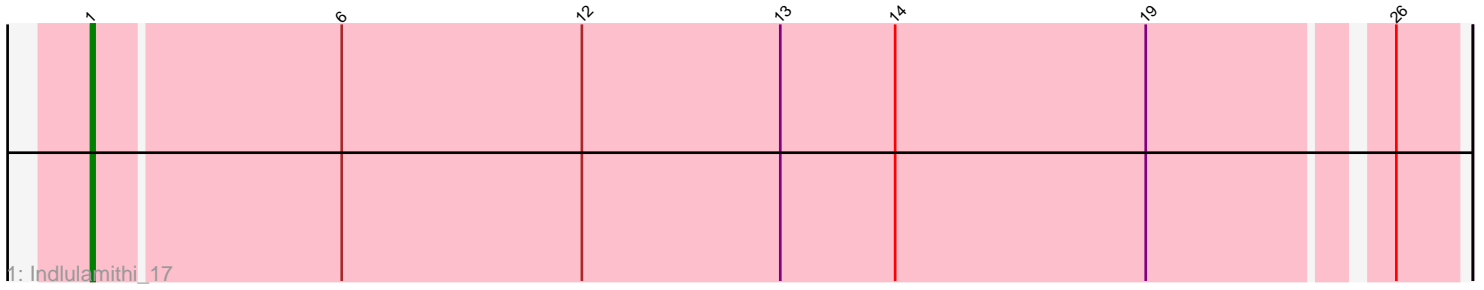


Pham 196952



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 196952 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196952 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Indlulamithi_17
- Track 2 : MrMiyagi_14, Fowlmouth_14
- Track 3 : Nilo_21, Send513_20, Papyrus_20, Riparian_20, Candle_20, Zenon_21, Yelo_20, MontyDev_20, Rope_20
- Track 4 : Weiss13_20
- Track 5 : Wollypog_10

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candle_20, Fowlmouth_14, Indlulamithi_17, MontyDev_20, MrMiyagi_14, Nilo_21, Papyrus_20, Riparian_20, Rope_20, Send513_20, Weiss13_20, Yelo_20, Zenon_21,

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

-

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

- Wollypog_10,

Summary by start number:

Start 1:

- Found in 13 of 14 (92.9%) of genes in pham
- Manual Annotations of this start: 12 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candle_20 (R), Fowlmouth_14 (AC), Indlulamithi_17 (AC), MontyDev_20 (R), MrMiyagi_14 (AC), Nilo_21 (R), Papyrus_20 (R), Riparian_20 (R), Rope_20 (R), Send513_20 (R), Weiss13_20 (R), Yelo_20 (R), Zenon_21 (R),

Start 2:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wollypog_10 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster AC:

- Start number 1 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster R:

- Start number 1 was manually annotated 9 times for cluster R.

Gene Information:

Gene: Candle_20 Start: 13524, Stop: 13919, Start Num: 1

Candidate Starts for Candle_20:

(Start: 1 @13524 has 12 MA's), (4, 13569), (5, 13581), (8, 13614), (14, 13755), (15, 13761), (16, 13773), (19, 13827), (21, 13860), (27, 13905),

Gene: Fowlmouth_14 Start: 8905, Stop: 9282, Start Num: 1

Candidate Starts for Fowlmouth_14:

(Start: 1 @8905 has 12 MA's), (3, 8923), (7, 8980), (9, 9007), (11, 9037), (14, 9130), (17, 9166), (19, 9202), (21, 9235), (23, 9244), (25, 9256),

Gene: Indlulamithi_17 Start: 10995, Stop: 11375, Start Num: 1

Candidate Starts for Indlulamithi_17:

(Start: 1 @10995 has 12 MA's), (6, 11064), (12, 11133), (13, 11190), (14, 11223), (19, 11295), (26, 11358),

Gene: MontyDev_20 Start: 13182, Stop: 13577, Start Num: 1

Candidate Starts for MontyDev_20:

(Start: 1 @13182 has 12 MA's), (4, 13227), (5, 13239), (8, 13272), (14, 13413), (15, 13419), (16, 13431), (19, 13485), (21, 13518), (27, 13563),

Gene: MrMiyagi_14 Start: 8905, Stop: 9282, Start Num: 1

Candidate Starts for MrMiyagi_14:

(Start: 1 @8905 has 12 MA's), (3, 8923), (7, 8980), (9, 9007), (11, 9037), (14, 9130), (17, 9166), (19, 9202), (21, 9235), (23, 9244), (25, 9256),

Gene: Nilo_21 Start: 13521, Stop: 13916, Start Num: 1

Candidate Starts for Nilo_21:

(Start: 1 @13521 has 12 MA's), (4, 13566), (5, 13578), (8, 13611), (14, 13752), (15, 13758), (16, 13770), (19, 13824), (21, 13857), (27, 13902),

Gene: Papyrus_20 Start: 13183, Stop: 13578, Start Num: 1

Candidate Starts for Papyrus_20:

(Start: 1 @13183 has 12 MA's), (4, 13228), (5, 13240), (8, 13273), (14, 13414), (15, 13420), (16, 13432), (19, 13486), (21, 13519), (27, 13564),

Gene: Riparian_20 Start: 12982, Stop: 13377, Start Num: 1

Candidate Starts for Riparian_20:

(Start: 1 @12982 has 12 MA's), (4, 13027), (5, 13039), (8, 13072), (14, 13213), (15, 13219), (16, 13231), (19, 13285), (21, 13318), (27, 13363),

Gene: Rope_20 Start: 13174, Stop: 13569, Start Num: 1

Candidate Starts for Rope_20:

(Start: 1 @13174 has 12 MA's), (4, 13219), (5, 13231), (8, 13264), (14, 13405), (15, 13411), (16, 13423), (19, 13477), (21, 13510), (27, 13555),

Gene: Send513_20 Start: 13524, Stop: 13919, Start Num: 1

Candidate Starts for Send513_20:

(Start: 1 @13524 has 12 MA's), (4, 13569), (5, 13581), (8, 13614), (14, 13755), (15, 13761), (16, 13773), (19, 13827), (21, 13860), (27, 13905),

Gene: Weiss13_20 Start: 13214, Stop: 13609, Start Num: 1

Candidate Starts for Weiss13_20:

(Start: 1 @13214 has 12 MA's), (4, 13259), (5, 13271), (8, 13304), (14, 13445), (15, 13451), (16, 13463), (18, 13514), (19, 13517), (21, 13550), (27, 13595),

Gene: Wollypog_10 Start: 8603, Stop: 8959, Start Num: 2

Candidate Starts for Wollypog_10:

(Start: 2 @8603 has 1 MA's), (10, 8705), (11, 8729), (20, 8909), (21, 8924), (22, 8927), (24, 8945),

Gene: Yelo_20 Start: 13524, Stop: 13919, Start Num: 1

Candidate Starts for Yelo_20:

(Start: 1 @13524 has 12 MA's), (4, 13569), (5, 13581), (8, 13614), (14, 13755), (15, 13761), (16, 13773), (19, 13827), (21, 13860), (27, 13905),

Gene: Zenon_21 Start: 13526, Stop: 13921, Start Num: 1

Candidate Starts for Zenon_21:

(Start: 1 @13526 has 12 MA's), (4, 13571), (5, 13583), (8, 13616), (14, 13757), (15, 13763), (16, 13775), (19, 13829), (21, 13862), (27, 13907),