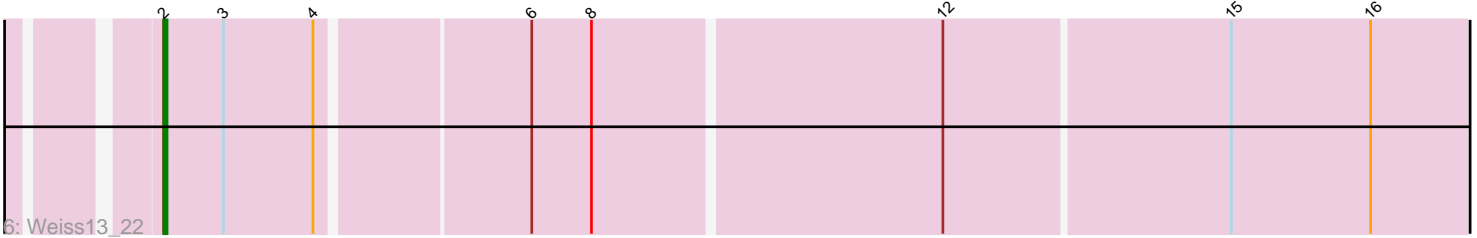
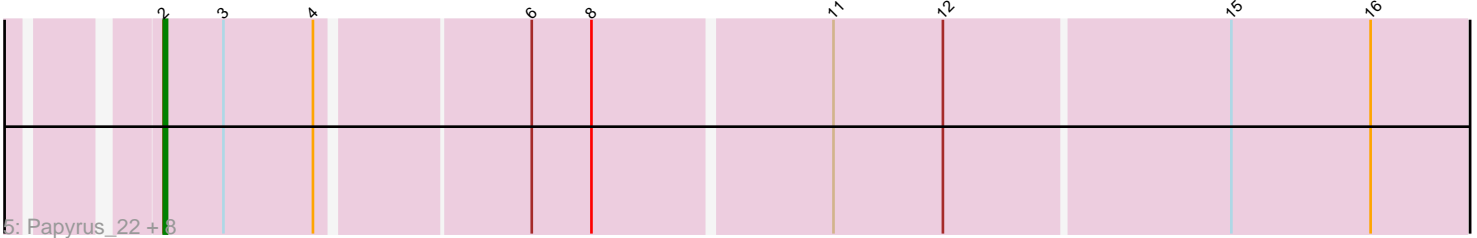
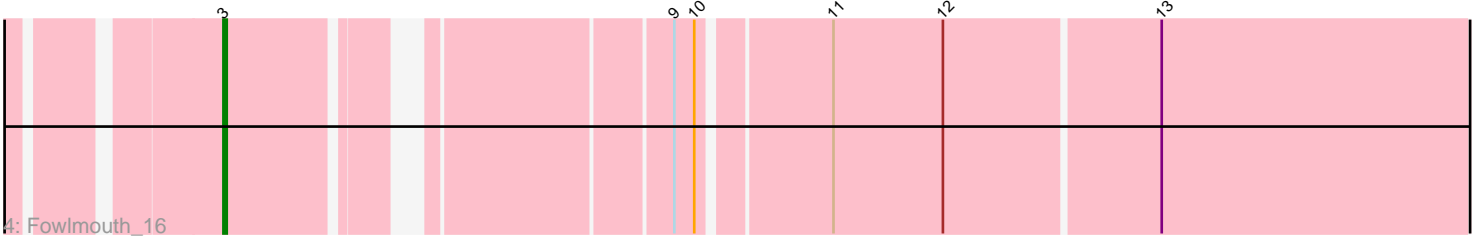
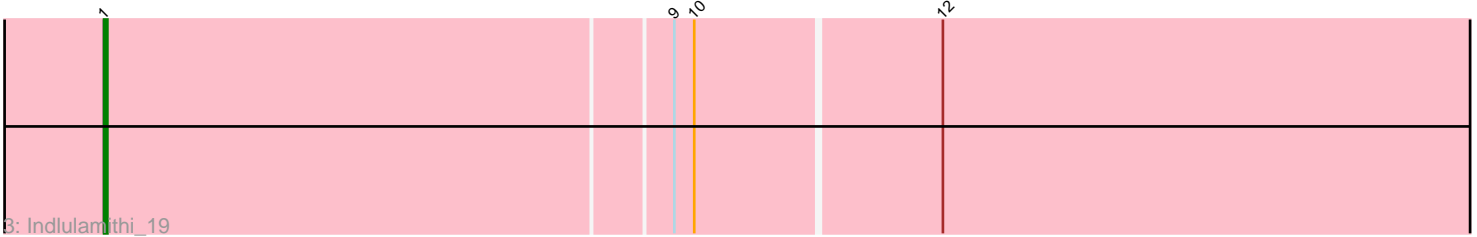
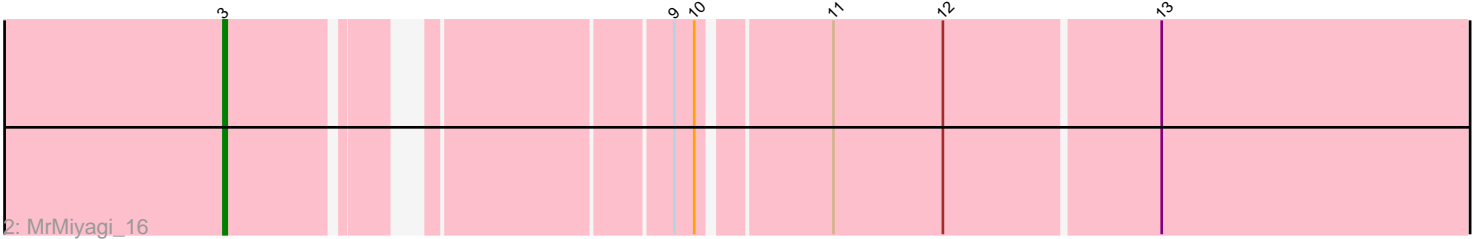
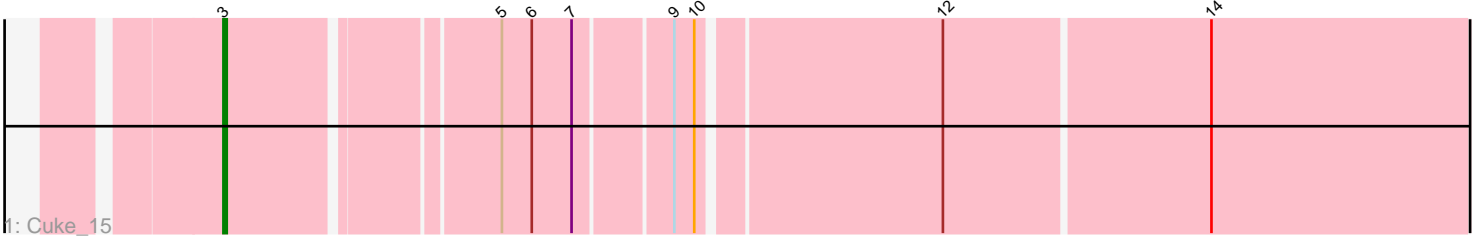


Pham 87126



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 87126 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87126 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Cuke_15
- Track 2 : MrMiyagi_16
- Track 3 : Indlulamithi_19
- Track 4 : Fowlmouth_16
- Track 5 : Papyrus_22, Nilo_23, Send513_22, Candle_22, Riparian_22, Rope_22, Zenon_23, Yelo_22, MontyDev_22
- Track 6 : Weiss13_22

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candle_22, MontyDev_22, Nilo_23, Papyrus_22, Riparian_22, Rope_22, Send513_22, Weiss13_22, Yelo_22, Zenon_23,

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

-

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

- Cuke_15, Fowlmouth_16, Indlulamithi_19, MrMiyagi_16,

Summary by start number:

Start 1:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_19 (AC),

Start 2:

- Found in 10 of 14 (71.4%) of genes in pham
- Manual Annotations of this start: 8 of 12

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candle_22 (R), MontyDev_22 (R), Nilo_23 (R), Papyrus_22 (R), Riparian_22 (R), Rope_22 (R), Send513_22 (R), Weiss13_22 (R), Yelo_22 (R), Zenon_23 (R),

Start 3:

- Found in 13 of 14 (92.9%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Cuke_15 (AC), Fowlmouth_16 (AC), MrMiyagi_16 (AC),

Summary by clusters:

There are 2 clusters represented in this pham: AC, R,

Info for manual annotations of cluster AC:

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

Info for manual annotations of cluster R:

- Start number 2 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Candle_22 Start: 14349, Stop: 14750, Start Num: 2

Candidate Starts for Candle_22:

(Start: 2 @14349 has 8 MA's), (Start: 3 @14367 has 3 MA's), (4, 14394), (6, 14454), (8, 14472), (11, 14541), (12, 14574), (15, 14658), (16, 14700),

Gene: Cuke_15 Start: 9542, Stop: 9904, Start Num: 3

Candidate Starts for Cuke_15:

(Start: 3 @9542 has 3 MA's), (5, 9617), (6, 9626), (7, 9638), (9, 9665), (10, 9671), (12, 9740), (14, 9818),

Gene: Fowlmouth_16 Start: 9713, Stop: 10066, Start Num: 3

Candidate Starts for Fowlmouth_16:

(Start: 3 @9713 has 3 MA's), (9, 9827), (10, 9833), (11, 9869), (12, 9902), (13, 9965),

Gene: Indlulamithi_19 Start: 11796, Stop: 12215, Start Num: 1

Candidate Starts for Indlulamithi_19:

(Start: 1 @11796 has 1 MA's), (9, 11964), (10, 11970), (12, 12042),

Gene: MontyDev_22 Start: 14007, Stop: 14408, Start Num: 2

Candidate Starts for MontyDev_22:

(Start: 2 @14007 has 8 MA's), (Start: 3 @14025 has 3 MA's), (4, 14052), (6, 14112), (8, 14130), (11, 14199), (12, 14232), (15, 14316), (16, 14358),

Gene: MrMiyagi_16 Start: 9714, Stop: 10067, Start Num: 3

Candidate Starts for MrMiyagi_16:

(Start: 3 @9714 has 3 MA's), (9, 9828), (10, 9834), (11, 9870), (12, 9903), (13, 9966),

Gene: Nilo_23 Start: 14346, Stop: 14747, Start Num: 2

Candidate Starts for Nilo_23:

(Start: 2 @14346 has 8 MA's), (Start: 3 @14364 has 3 MA's), (4, 14391), (6, 14451), (8, 14469), (11, 14538), (12, 14571), (15, 14655), (16, 14697),

Gene: Papyrus_22 Start: 14008, Stop: 14409, Start Num: 2

Candidate Starts for Papyrus_22:

(Start: 2 @14008 has 8 MA's), (Start: 3 @14026 has 3 MA's), (4, 14053), (6, 14113), (8, 14131), (11, 14200), (12, 14233), (15, 14317), (16, 14359),

Gene: Riparian_22 Start: 13807, Stop: 14208, Start Num: 2

Candidate Starts for Riparian_22:

(Start: 2 @13807 has 8 MA's), (Start: 3 @13825 has 3 MA's), (4, 13852), (6, 13912), (8, 13930), (11, 13999), (12, 14032), (15, 14116), (16, 14158),

Gene: Rope_22 Start: 13999, Stop: 14400, Start Num: 2

Candidate Starts for Rope_22:

(Start: 2 @13999 has 8 MA's), (Start: 3 @14017 has 3 MA's), (4, 14044), (6, 14104), (8, 14122), (11, 14191), (12, 14224), (15, 14308), (16, 14350),

Gene: Send513_22 Start: 14349, Stop: 14750, Start Num: 2

Candidate Starts for Send513_22:

(Start: 2 @14349 has 8 MA's), (Start: 3 @14367 has 3 MA's), (4, 14394), (6, 14454), (8, 14472), (11, 14541), (12, 14574), (15, 14658), (16, 14700),

Gene: Weiss13_22 Start: 14039, Stop: 14440, Start Num: 2

Candidate Starts for Weiss13_22:

(Start: 2 @14039 has 8 MA's), (Start: 3 @14057 has 3 MA's), (4, 14084), (6, 14144), (8, 14162), (12, 14264), (15, 14348), (16, 14390),

Gene: Yelo_22 Start: 14349, Stop: 14750, Start Num: 2

Candidate Starts for Yelo_22:

(Start: 2 @14349 has 8 MA's), (Start: 3 @14367 has 3 MA's), (4, 14394), (6, 14454), (8, 14472), (11, 14541), (12, 14574), (15, 14658), (16, 14700),

Gene: Zenon_23 Start: 14351, Stop: 14752, Start Num: 2

Candidate Starts for Zenon_23:

(Start: 2 @14351 has 8 MA's), (Start: 3 @14369 has 3 MA's), (4, 14396), (6, 14456), (8, 14474), (11, 14543), (12, 14576), (15, 14660), (16, 14702),