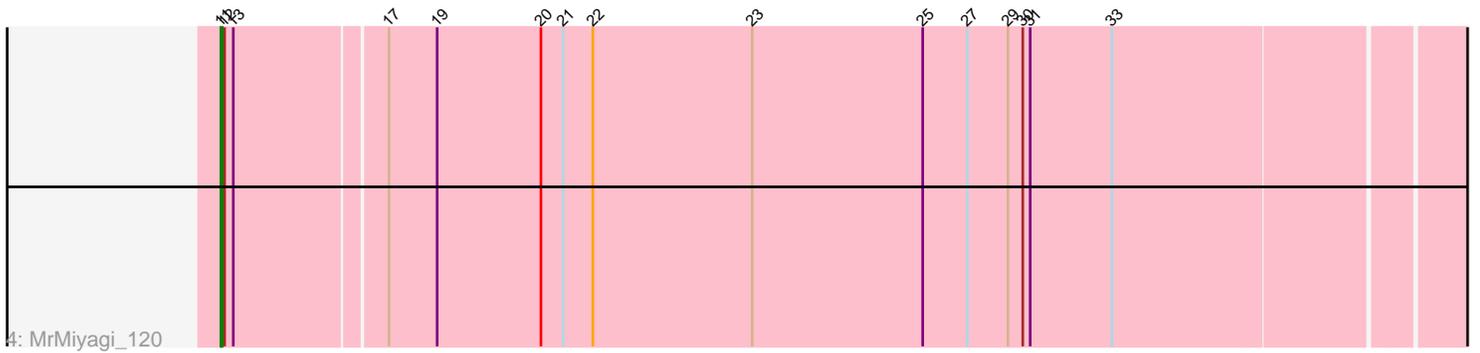
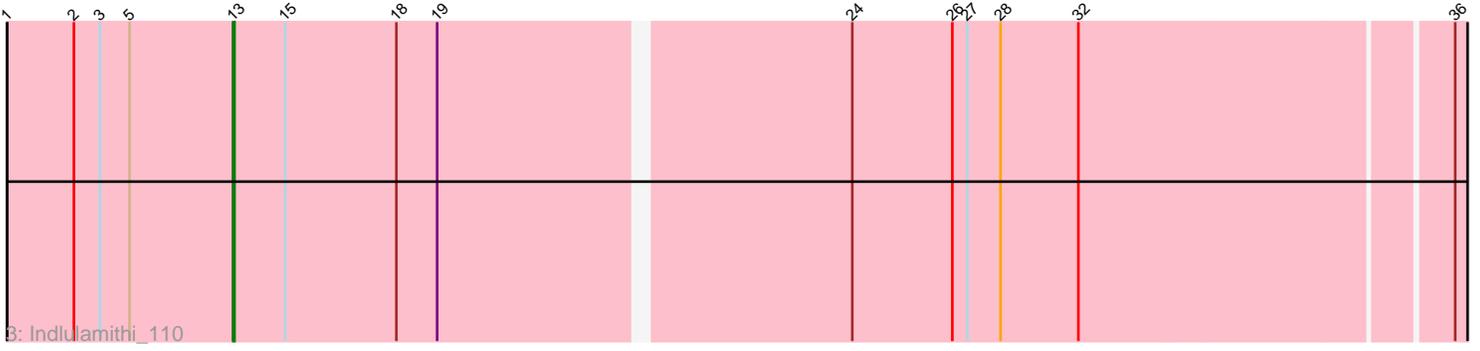
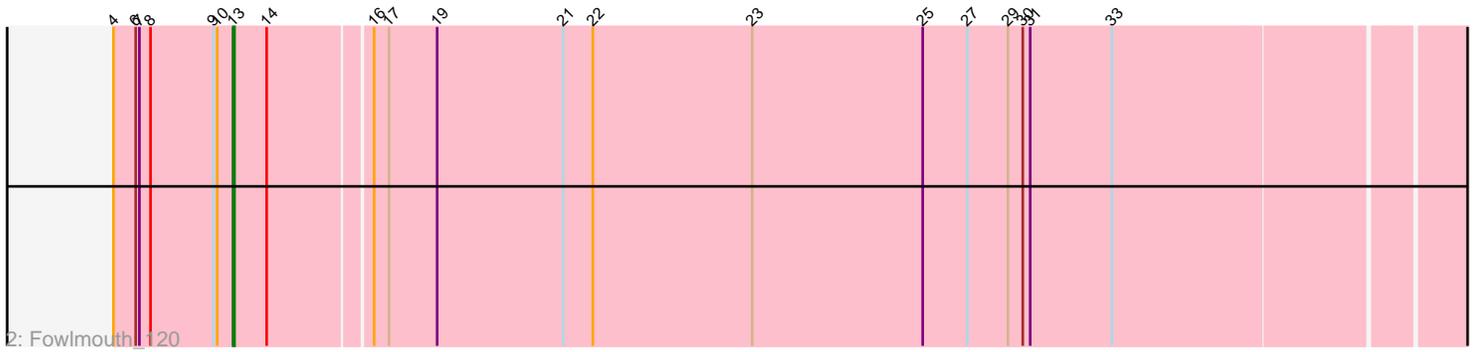
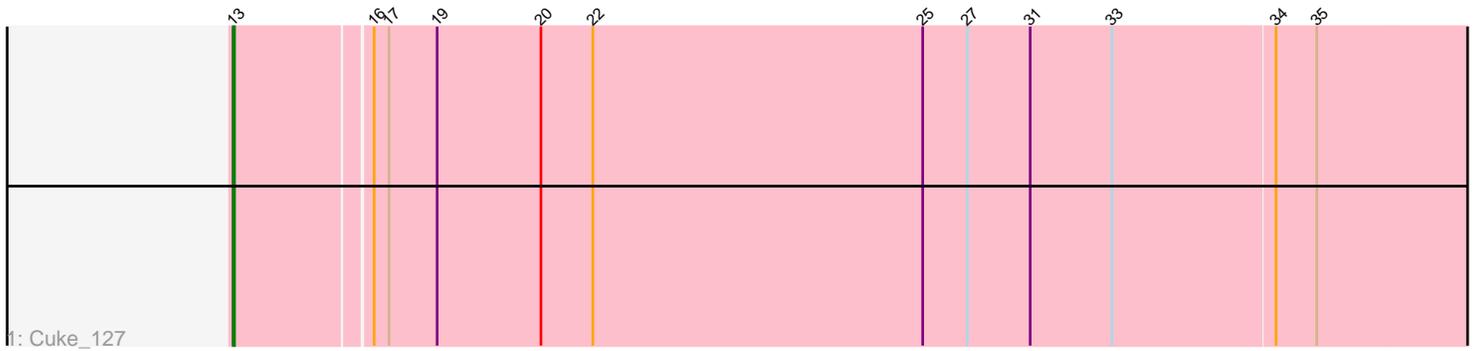


Zoomed Pham 286316



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 286316 Report

This analysis was run 03/28/26 on database version 641.

Pham number 286316 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Cuke_127
- Track 2 : Fowlmouth_120
- Track 3 : Indlulamithi_110
- Track 4 : MrMiyagi_120

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

The start number called the most often in the published annotations is 13, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cuke_127, Fowlmouth_120, Indlulamithi_110,

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

- MrMiyagi_120,

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

-

Summary by start number:

Start 11:

- Found in 1 of 4 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MrMiyagi_120 (AC),

Start 13:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cuke_127 (AC), Fowlmouth_120 (AC), Indlulamithi_110 (AC),

Summary by clusters:

There is one cluster represented in this pham: AC

Info for manual annotations of cluster AC:

- Start number 11 was manually annotated 1 time for cluster AC.
- Start number 13 was manually annotated 3 times for cluster AC.

Gene Information:

Gene: Cuke_127 Start: 67055, Stop: 68323, Start Num: 13

Candidate Starts for Cuke_127:

(Start: 13 @67055 has 3 MA's), (16, 67160), (17, 67172), (19, 67211), (20, 67295), (22, 67337), (25, 67604), (27, 67640), (31, 67691), (33, 67757), (34, 67886), (35, 67919), (40, 68153), (41, 68180), (42, 68186), (44, 68264),

Gene: Fowlmouth_120 Start: 67859, Stop: 69115, Start Num: 13

Candidate Starts for Fowlmouth_120:

(4, 67763), (6, 67781), (7, 67784), (8, 67793), (9, 67844), (10, 67847), (Start: 13 @67859 has 3 MA's), (14, 67886), (16, 67964), (17, 67976), (19, 68015), (21, 68117), (22, 68141), (23, 68270), (25, 68408), (27, 68444), (29, 68477), (30, 68489), (31, 68495), (33, 68561), (40, 68945), (41, 68972), (43, 68996),

Gene: Indlulamithi_110 Start: 69658, Stop: 70902, Start Num: 13

Candidate Starts for Indlulamithi_110:

(1, 69475), (2, 69529), (3, 69550), (5, 69574), (Start: 13 @69658 has 3 MA's), (15, 69700), (18, 69790), (19, 69823), (24, 70141), (26, 70222), (27, 70234), (28, 70261), (32, 70324), (36, 70612), (37, 70645), (38, 70648), (39, 70675), (40, 70735),

Gene: MrMiyagi_120 Start: 68238, Stop: 69503, Start Num: 11

Candidate Starts for MrMiyagi_120:

(Start: 11 @68238 has 1 MA's), (12, 68241), (Start: 13 @68247 has 3 MA's), (17, 68364), (19, 68403), (20, 68487), (21, 68505), (22, 68529), (23, 68658), (25, 68796), (27, 68832), (29, 68865), (30, 68877), (31, 68883), (33, 68949), (40, 69333), (41, 69360), (43, 69384),