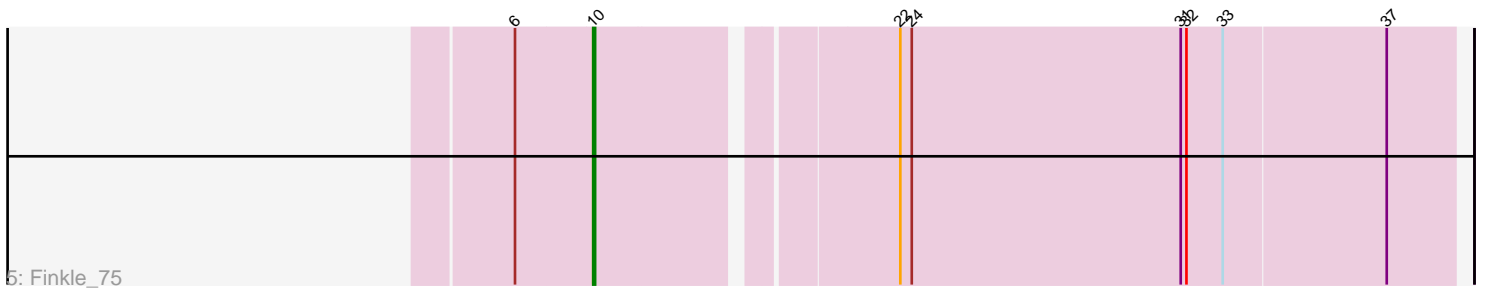
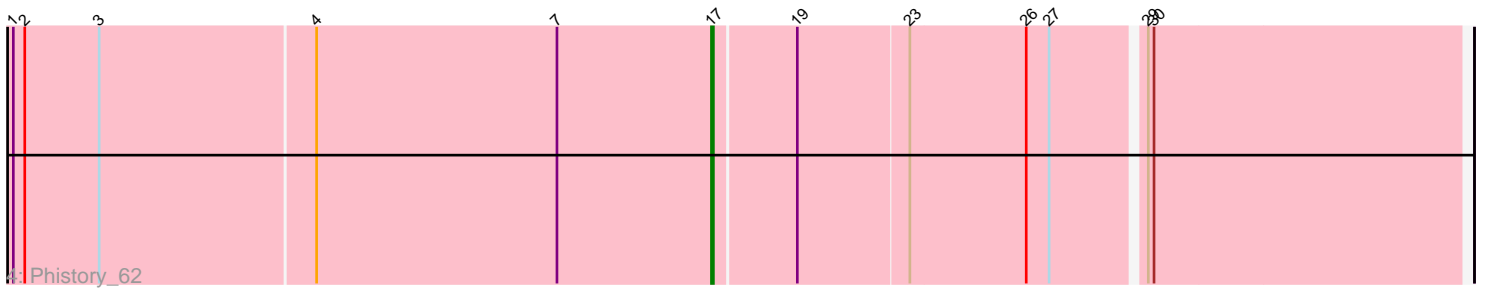
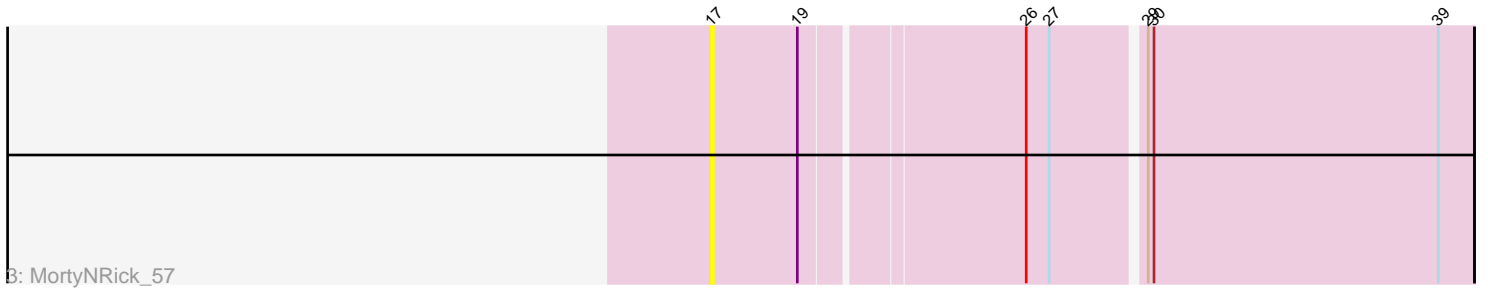
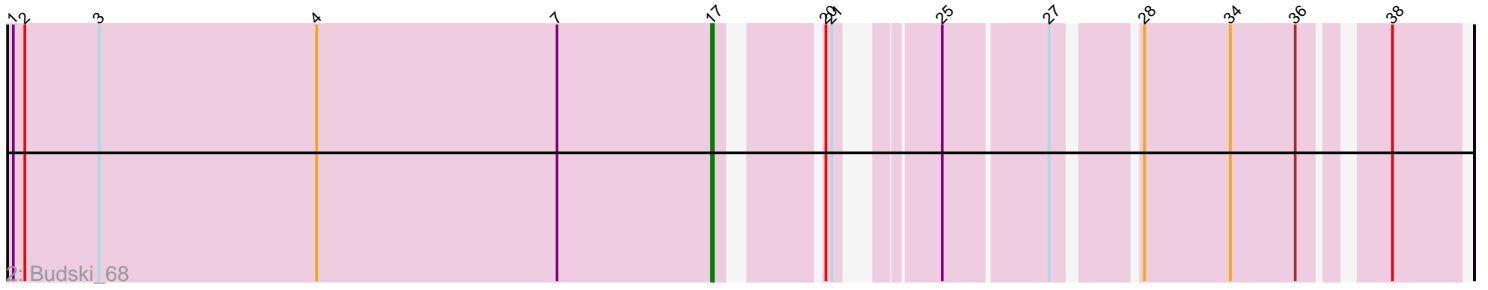
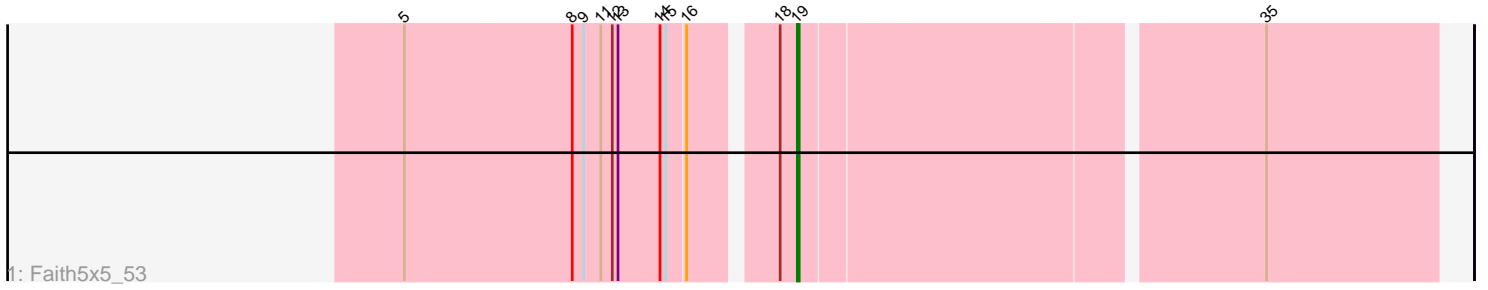


Pham 215077



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 215077 Report

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

Pham number 215077 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Faith5x5_53
- Track 2 : Budski_68
- Track 3 : MortyNRick_57
- Track 4 : Phistory_62
- Track 5 : Finkle_75

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

The start number called the most often in the published annotations is 17, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Budski_68, MortyNRick_57, Phistory_62,

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

-

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

- Faith5x5_53, Finkle_75,

Summary by start number:

Start 10:

- Found in 1 of 5 (20.0%) 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: Finkle_75 (singleton),

Start 17:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Budski_68 (DN), MortyNRick_57 (DN), Phistory_62 (DN1),

Start 19:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Faith5x5_53 (CZ6),

Summary by clusters:

There are 4 clusters represented in this pham: DN, CZ6, singleton, DN1,

Info for manual annotations of cluster CZ6:

- Start number 19 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DN:

- Start number 17 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 17 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Budski_68 Start: 41006, Stop: 41320, Start Num: 17

Candidate Starts for Budski_68:

(1, 40640), (2, 40646), (3, 40685), (4, 40799), (7, 40925), (Start: 17 @41006 has 2 MA's), (20, 41048), (21, 41051), (25, 41087), (27, 41138), (28, 41174), (34, 41216), (36, 41249), (38, 41285),

Gene: Faith5x5_53 Start: 34268, Stop: 34585, Start Num: 19

Candidate Starts for Faith5x5_53:

(5, 34076), (8, 34163), (9, 34169), (11, 34178), (12, 34184), (13, 34187), (14, 34208), (15, 34211), (16, 34220), (18, 34259), (Start: 19 @34268 has 1 MA's), (35, 34496),

Gene: Finkle_75 Start: 44664, Stop: 45092, Start Num: 10

Candidate Starts for Finkle_75:

(6, 44625), (Start: 10 @44664 has 1 MA's), (22, 44805), (24, 44811), (31, 44952), (32, 44955), (33, 44973), (37, 45057),

Gene: MortyNRick_57 Start: 40191, Stop: 40568, Start Num: 17

Candidate Starts for MortyNRick_57:

(Start: 17 @40191 has 2 MA's), (Start: 19 @40236 has 1 MA's), (26, 40344), (27, 40356), (29, 40401), (30, 40404), (39, 40551),

Gene: Phistory_62 Start: 38511, Stop: 38888, Start Num: 17

Candidate Starts for Phistory_62:

(1, 38148), (2, 38154), (3, 38193), (4, 38304), (7, 38430), (Start: 17 @38511 has 2 MA's), (Start: 19 @38553 has 1 MA's), (23, 38610), (26, 38670), (27, 38682), (29, 38727), (30, 38730),