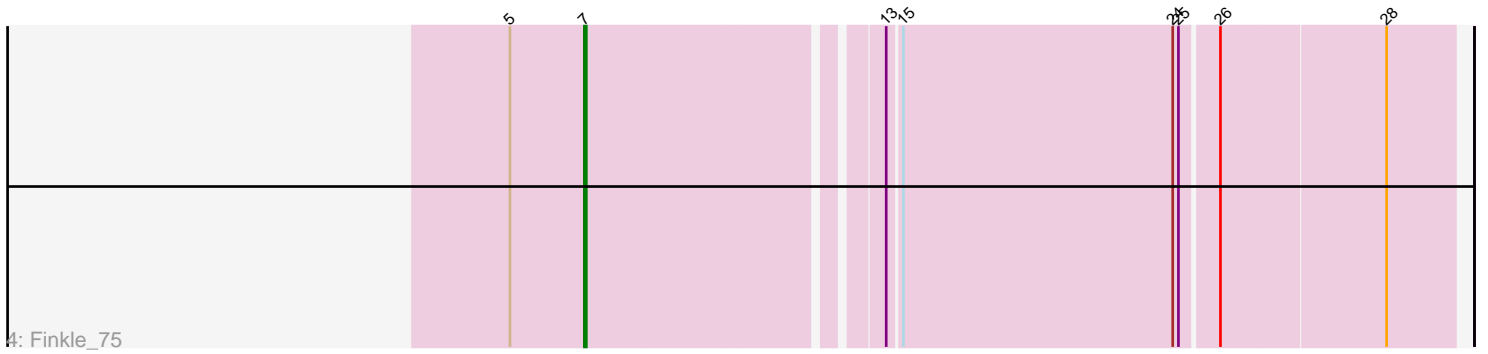
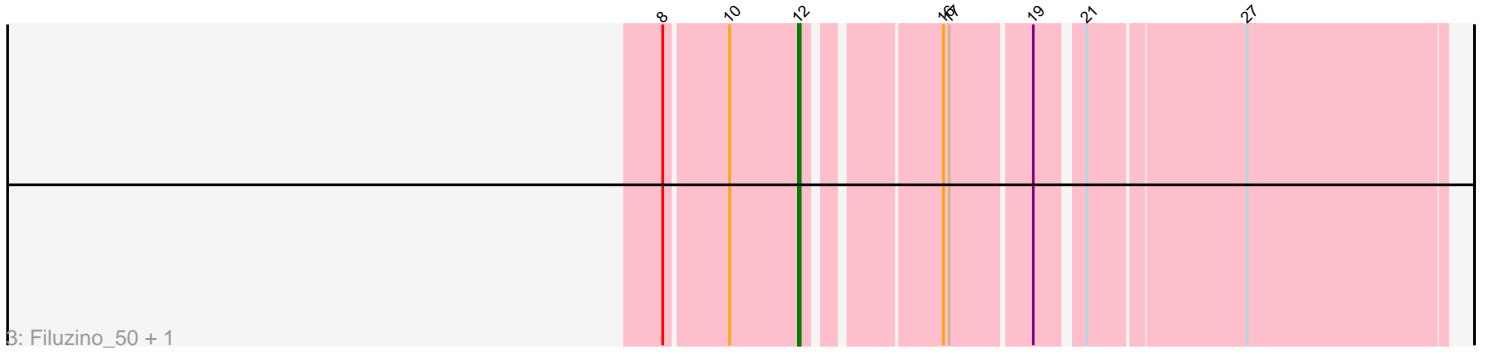
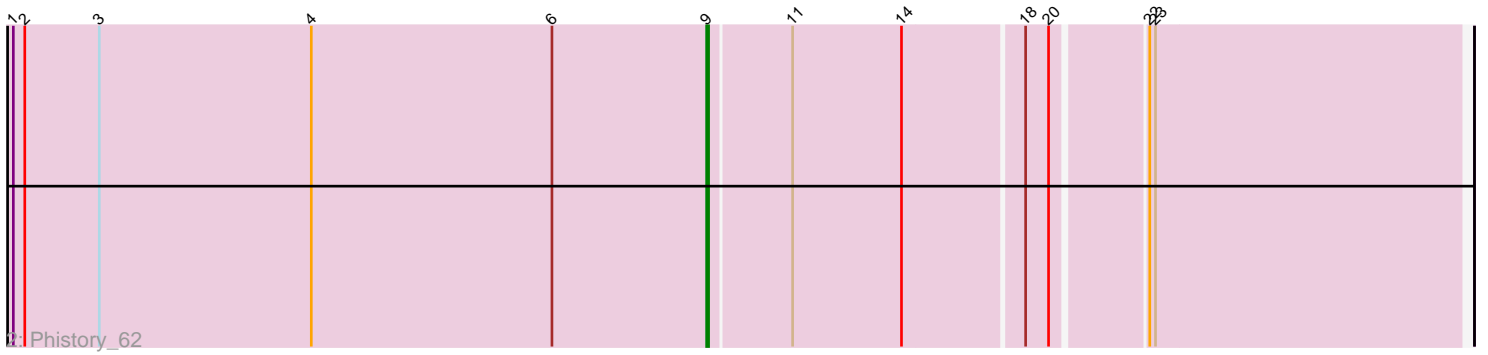
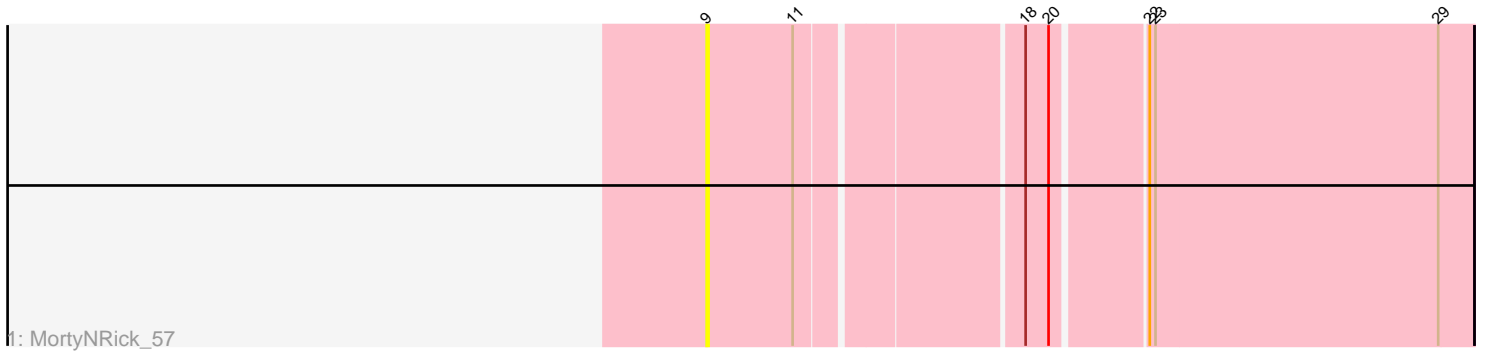


Pham 172137



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 172137 Report

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

Pham number 172137 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MortyNRick_57
- Track 2 : Phistory_62
- Track 3 : Filuzino_50, StAnnes_51
- Track 4 : 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 12, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Filuzino_50, StAnnes_51,

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

-

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

- Finkle_75, MortyNRick_57, Phistory_62,

Summary by start number:

Start 7:

- 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 9:

- Found in 2 of 5 (40.0%) 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: MortyNRick_57 (DN), Phistory_62 (DN1),

Start 12:

- Found in 2 of 5 (40.0%) 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: Filuzino_50 (F1), StAnnes_51 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, F1, singleton, DN1,

Info for manual annotations of cluster DN1:

- Start number 9 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F1:

- Start number 12 was manually annotated 2 times for cluster F1.

Gene Information:

Gene: Filuzino_50 Start: 36021, Stop: 36323, Start Num: 12

Candidate Starts for Filuzino_50:

(8, 35955), (10, 35985), (Start: 12 @36021 has 2 MA's), (16, 36081), (17, 36084), (19, 36123), (21, 36144), (27, 36222),

Gene: Finkle_75 Start: 44664, Stop: 45092, Start Num: 7

Candidate Starts for Finkle_75:

(5, 44625), (Start: 7 @44664 has 1 MA's), (13, 44805), (15, 44811), (24, 44952), (25, 44955), (26, 44973), (28, 45057),

Gene: MortyNRick_57 Start: 40191, Stop: 40568, Start Num: 9

Candidate Starts for MortyNRick_57:

(Start: 9 @40191 has 1 MA's), (11, 40236), (18, 40344), (20, 40356), (22, 40401), (23, 40404), (29, 40551),

Gene: Phistory_62 Start: 38511, Stop: 38888, Start Num: 9

Candidate Starts for Phistory_62:

(1, 38148), (2, 38154), (3, 38193), (4, 38304), (6, 38430), (Start: 9 @38511 has 1 MA's), (11, 38553), (14, 38610), (18, 38670), (20, 38682), (22, 38727), (23, 38730),

Gene: StAnnes_51 Start: 37319, Stop: 37621, Start Num: 12

Candidate Starts for StAnnes_51:

(8, 37253), (10, 37283), (Start: 12 @37319 has 2 MA's), (16, 37379), (17, 37382), (19, 37421), (21, 37442), (27, 37520),