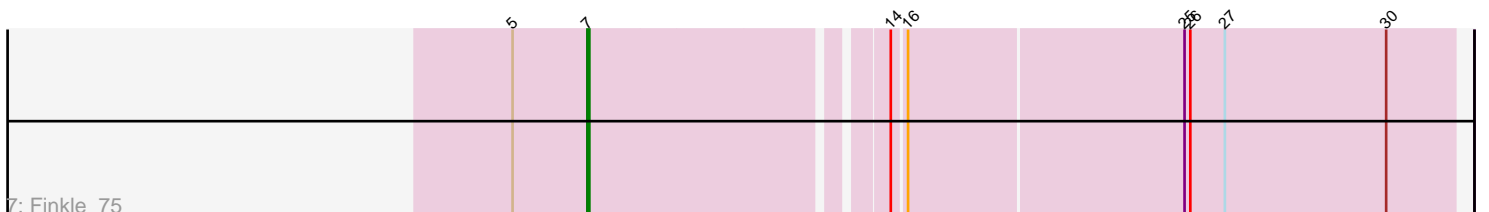
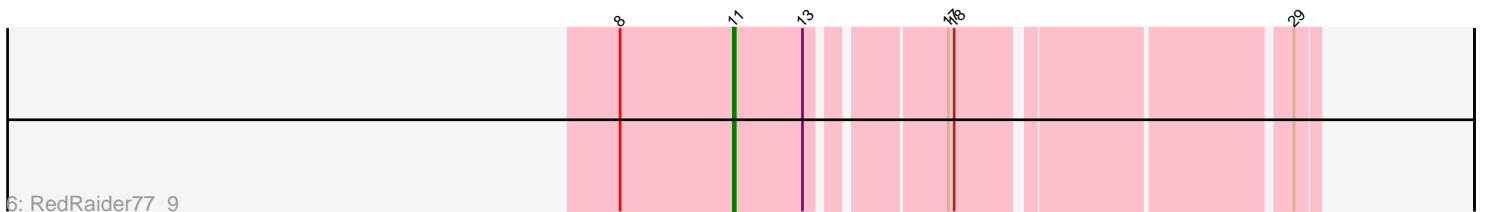
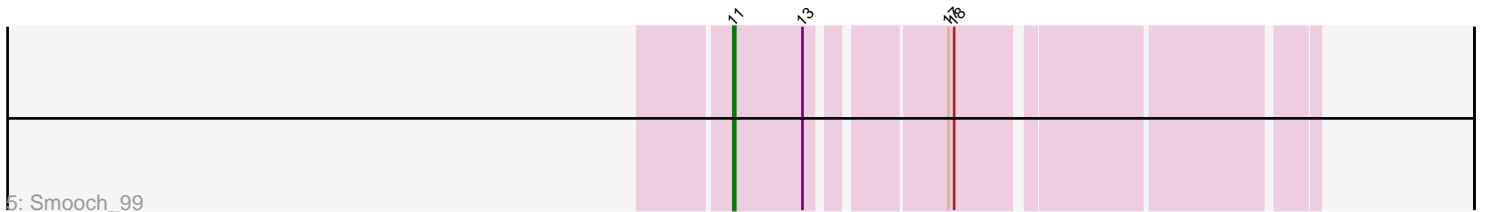
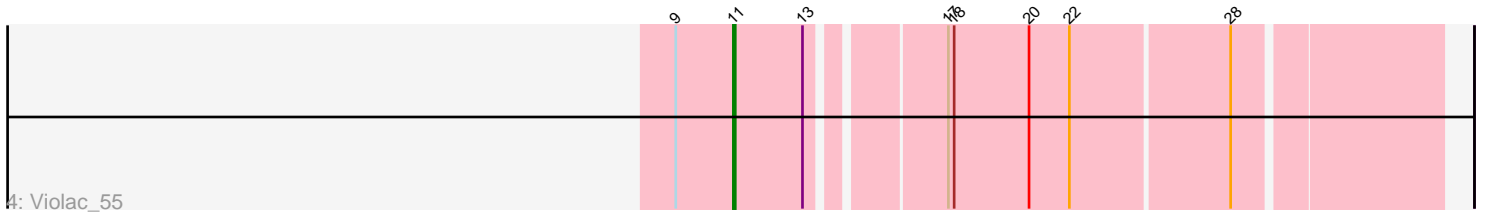
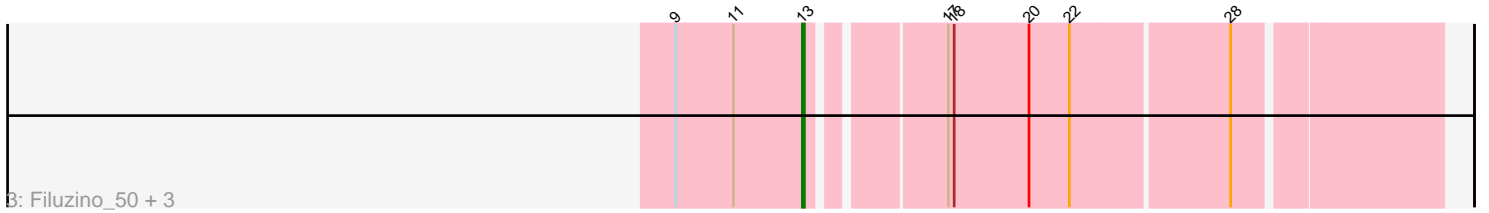
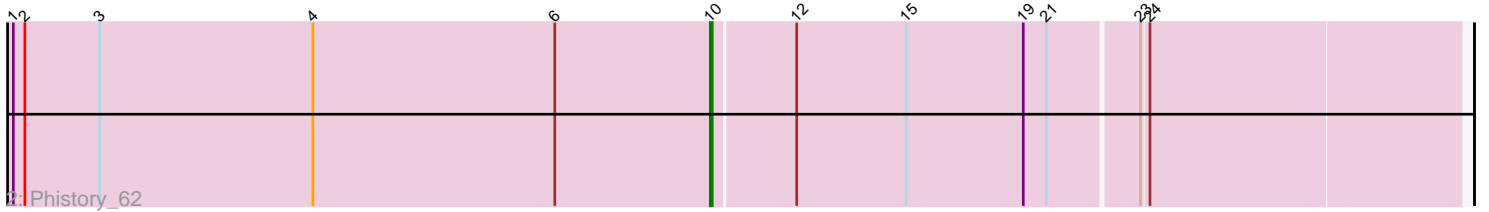
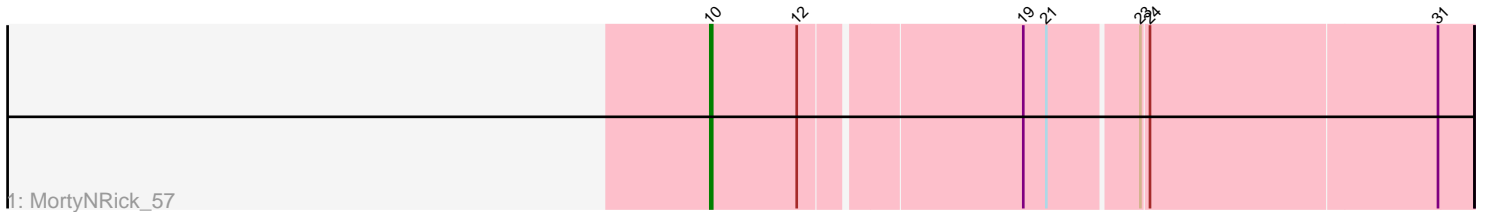


Pham 305493



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 305493 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305493 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MortyNRick_57
- Track 2 : Phistory_62
- Track 3 : Filuzino_50, StAnnes_51, IMpilo_49, Medindi_50
- Track 4 : Violac_55
- Track 5 : Smooch_99
- Track 6 : RedRaider77_9
- Track 7 : 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 11, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- RedRaider77_9, Smooch_99, Violac_55,

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

- Filuzino_50, IMpilo_49, Medindi_50, StAnnes_51,

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 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_75 (singleton),

Start 10:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: MortyNRick_57 (DN), Phistory_62 (DN1),

Start 11:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 42.9% of time when present
- Phage (with cluster) where this start called: RedRaider77_9 (S), Smooch_99 (O), Violac_55 (F1),

Start 13:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Filuzino_50 (F1), IMpilo_49 (F1), Medindi_50 (F1), StAnnes_51 (F1),

Summary by clusters:

There are 6 clusters represented in this pham: DN, F1, singleton, O, S, DN1,

Info for manual annotations of cluster DN:

- Start number 10 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 10 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F1:

- Start number 11 was manually annotated 1 time for cluster F1.
- Start number 13 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster O:

- Start number 11 was manually annotated 1 time for cluster O.

Info for manual annotations of cluster S:

- Start number 11 was manually annotated 1 time for cluster S.

Gene Information:

Gene: Filuzino_50 Start: 36021, Stop: 36323, Start Num: 13

Candidate Starts for Filuzino_50:

(9, 35955), (Start: 11 @35985 has 3 MA's), (Start: 13 @36021 has 2 MA's), (17, 36081), (18, 36084), (20, 36123), (22, 36144), (28, 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), (14, 44805), (16, 44811), (25, 44952), (26, 44955), (27, 44973), (30, 45057),

Gene: IMpilo_49 Start: 35464, Stop: 35766, Start Num: 13

Candidate Starts for IMpilo_49:

(9, 35398), (Start: 11 @35428 has 3 MA's), (Start: 13 @35464 has 2 MA's), (17, 35524), (18, 35527), (20, 35566), (22, 35587), (28, 35665),

Gene: Medindi_50 Start: 35302, Stop: 35604, Start Num: 13

Candidate Starts for Medindi_50:

(9, 35236), (Start: 11 @35266 has 3 MA's), (Start: 13 @35302 has 2 MA's), (17, 35362), (18, 35365), (20, 35404), (22, 35425), (28, 35503),

Gene: MortyNRick_57 Start: 40191, Stop: 40568, Start Num: 10

Candidate Starts for MortyNRick_57:

(Start: 10 @40191 has 2 MA's), (12, 40236), (19, 40344), (21, 40356), (23, 40401), (24, 40404), (31, 40551),

Gene: Phistory_62 Start: 38511, Stop: 38888, Start Num: 10

Candidate Starts for Phistory_62:

(1, 38148), (2, 38154), (3, 38193), (4, 38304), (6, 38430), (Start: 10 @38511 has 2 MA's), (12, 38553), (15, 38610), (19, 38670), (21, 38682), (23, 38727), (24, 38730),

Gene: RedRaider77_9 Start: 2886, Stop: 3152, Start Num: 11

Candidate Starts for RedRaider77_9:

(8, 2829), (Start: 11 @2886 has 3 MA's), (Start: 13 @2922 has 2 MA's), (17, 2982), (18, 2985), (29, 3141),

Gene: Smooch_99 Start: 62468, Stop: 62202, Start Num: 11

Candidate Starts for Smooch_99:

(Start: 11 @62468 has 3 MA's), (Start: 13 @62432 has 2 MA's), (17, 62372), (18, 62369),

Gene: StAnnes_51 Start: 37319, Stop: 37621, Start Num: 13

Candidate Starts for StAnnes_51:

(9, 37253), (Start: 11 @37283 has 3 MA's), (Start: 13 @37319 has 2 MA's), (17, 37379), (18, 37382), (20, 37421), (22, 37442), (28, 37520),

Gene: Violac_55 Start: 38665, Stop: 39003, Start Num: 11

Candidate Starts for Violac_55:

(9, 38635), (Start: 11 @38665 has 3 MA's), (Start: 13 @38701 has 2 MA's), (17, 38761), (18, 38764), (20, 38803), (22, 38824), (28, 38902),