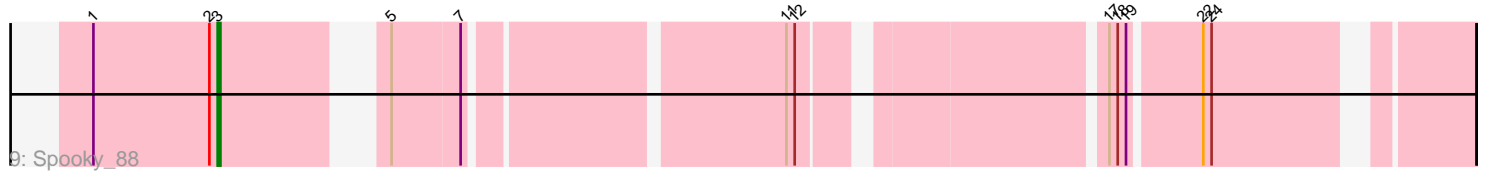
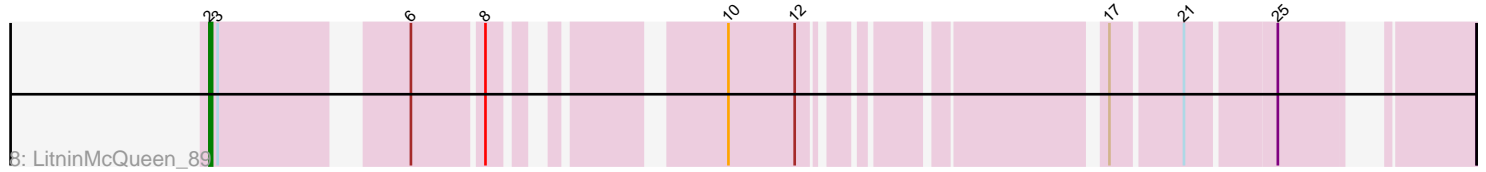
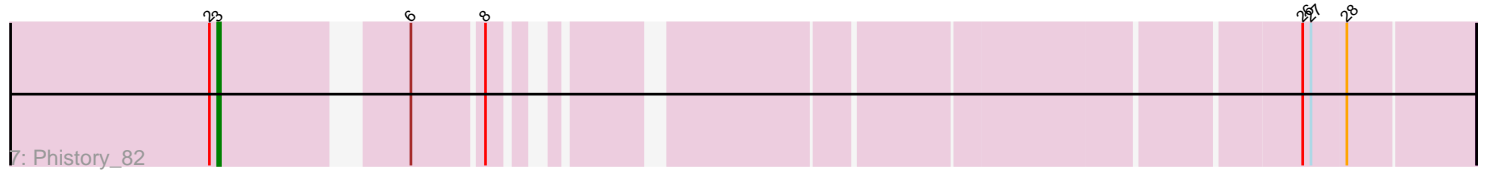
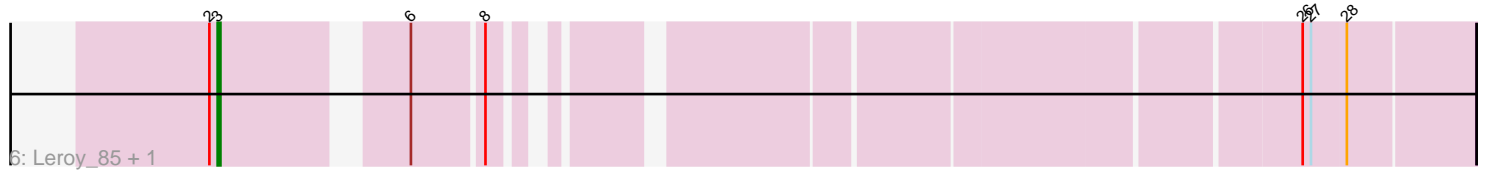
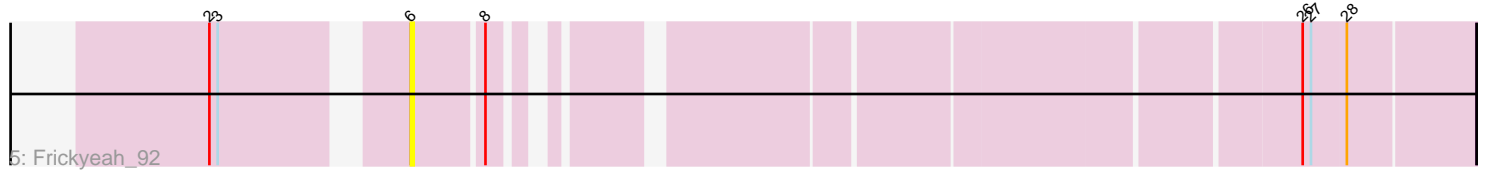
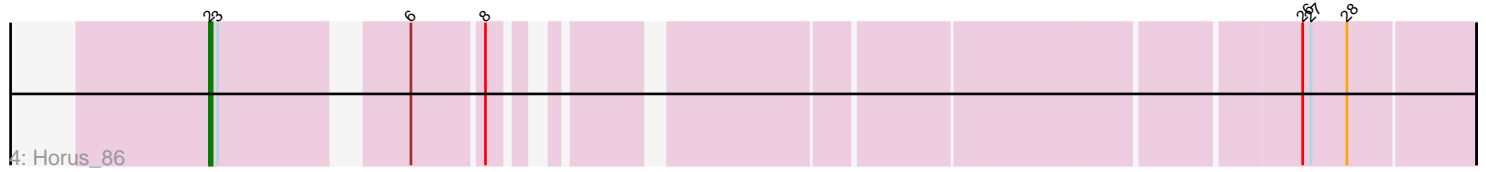
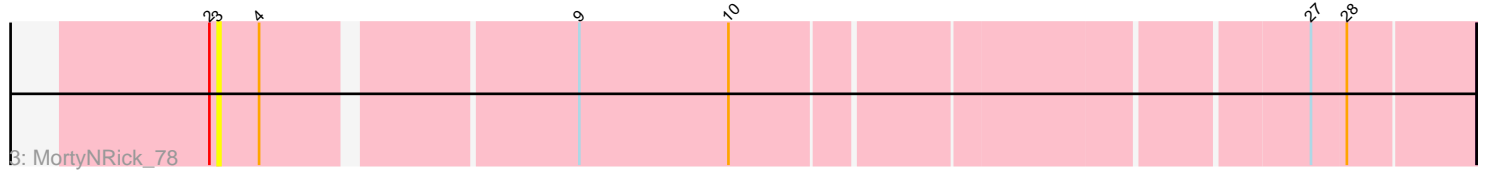
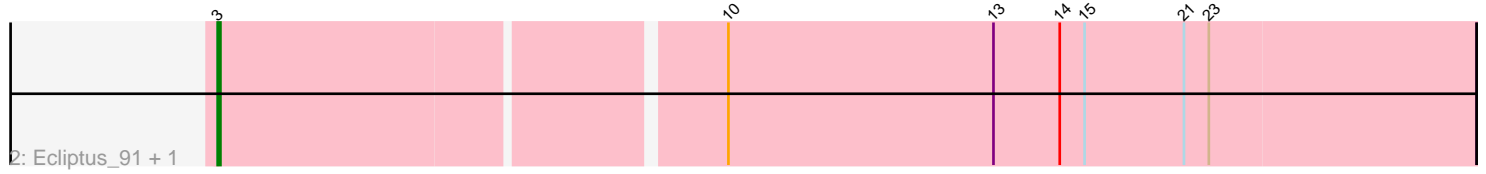
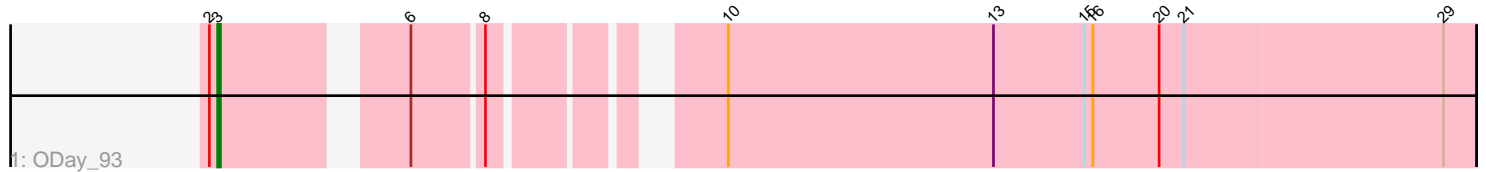


Pham 106759



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 106759 Report

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

Pham number 106759 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : ODay_93
- Track 2 : Ecliptus_91, Apricot_84
- Track 3 : MortyNRick_78
- Track 4 : Horus_86
- Track 5 : Frickyeh_92
- Track 6 : Leroy_85, Periwinkle_94
- Track 7 : Phistory_82
- Track 8 : LitninMcQueen_89
- Track 9 : Spooky_88

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apricot_84, Ecliptus_91, Leroy_85, MortyNRick_78, ODay_93, Periwinkle_94, Phistory_82, Spooky_88,

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

- Frickyeh_92, Horus_86, LitninMcQueen_89,

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

-

Summary by start number:

Start 2:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Horus_86 (DN1), LitninMcQueen_89 (DN1),

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Apricot_84 (DN3), Ecliptus_91 (DN), Leroy_85 (DN1), MortyNRick_78 (DN), ODay_93 (DN), Periwinkle_94 (DN1), Phistory_82 (DN1), Spooky_88 (DN2),

Start 6:

- Found in 7 of 11 (63.6%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Frickyeh_92 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, DN3, DN2,

Info for manual annotations of cluster DN:

- Start number 3 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 2 was manually annotated 2 times for cluster DN1.
- Start number 3 was manually annotated 3 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 3 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 3 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: Apricot_84 Start: 46207, Stop: 46650, Start Num: 3

Candidate Starts for Apricot_84:

(Start: 3 @46207 has 7 MA's), (10, 46381), (13, 46477), (14, 46501), (15, 46510), (21, 46546), (23, 46555),

Gene: Ecliptus_91 Start: 49913, Stop: 50356, Start Num: 3

Candidate Starts for Ecliptus_91:

(Start: 3 @49913 has 7 MA's), (10, 50087), (13, 50183), (14, 50207), (15, 50216), (21, 50252), (23, 50261),

Gene: Frickyeh_92 Start: 48610, Stop: 48948, Start Num: 6

Candidate Starts for Frickyeh_92:

(Start: 2 @48550 has 2 MA's), (Start: 3 @48553 has 7 MA's), (6, 48610), (8, 48634), (26, 48889), (27, 48892), (28, 48904),

Gene: Horus_86 Start: 48825, Stop: 49223, Start Num: 2

Candidate Starts for Horus_86:

(Start: 2 @48825 has 2 MA's), (Start: 3 @48828 has 7 MA's), (6, 48885), (8, 48909), (26, 49164), (27, 49167), (28, 49179),

Gene: Leroy_85 Start: 47023, Stop: 47418, Start Num: 3

Candidate Starts for Leroy_85:

(Start: 2 @47020 has 2 MA's), (Start: 3 @47023 has 7 MA's), (6, 47080), (8, 47104), (26, 47359), (27, 47362), (28, 47374),

Gene: LitninMcQueen_89 Start: 48138, Stop: 48506, Start Num: 2

Candidate Starts for LitninMcQueen_89:

(Start: 2 @48138 has 2 MA's), (Start: 3 @48141 has 7 MA's), (6, 48198), (8, 48222), (10, 48285), (12, 48309), (17, 48399), (21, 48423), (25, 48453),

Gene: MortyNRick_78 Start: 46661, Stop: 47086, Start Num: 3

Candidate Starts for MortyNRick_78:

(Start: 2 @46658 has 2 MA's), (Start: 3 @46661 has 7 MA's), (4, 46676), (9, 46781), (10, 46835), (27, 47030), (28, 47042),

Gene: ODay_93 Start: 50443, Stop: 50856, Start Num: 3

Candidate Starts for ODay_93:

(Start: 2 @50440 has 2 MA's), (Start: 3 @50443 has 7 MA's), (6, 50500), (8, 50524), (10, 50587), (13, 50683), (15, 50716), (16, 50719), (20, 50743), (21, 50752), (29, 50845),

Gene: Periwinkle_94 Start: 49830, Stop: 50225, Start Num: 3

Candidate Starts for Periwinkle_94:

(Start: 2 @49827 has 2 MA's), (Start: 3 @49830 has 7 MA's), (6, 49887), (8, 49911), (26, 50166), (27, 50169), (28, 50181),

Gene: Phistory_82 Start: 45926, Stop: 46321, Start Num: 3

Candidate Starts for Phistory_82:

(Start: 2 @45923 has 2 MA's), (Start: 3 @45926 has 7 MA's), (6, 45983), (8, 46007), (26, 46262), (27, 46265), (28, 46277),

Gene: Spooky_88 Start: 49198, Stop: 49584, Start Num: 3

Candidate Starts for Spooky_88:

(1, 49153), (Start: 2 @49195 has 2 MA's), (Start: 3 @49198 has 7 MA's), (5, 49243), (7, 49267), (11, 49372), (12, 49375), (17, 49471), (18, 49474), (19, 49477), (22, 49501), (24, 49504),