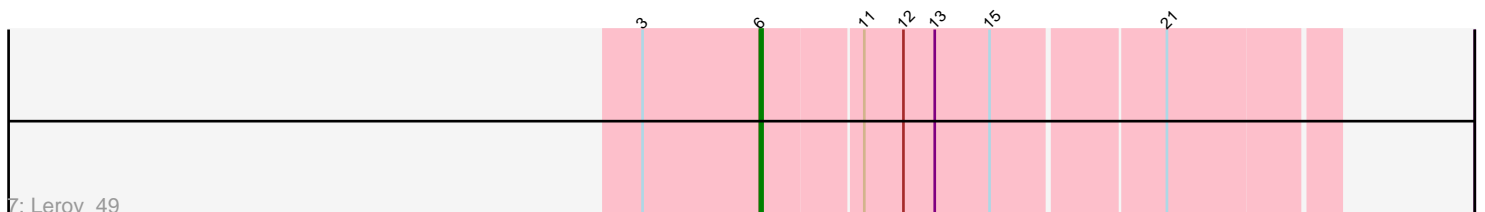
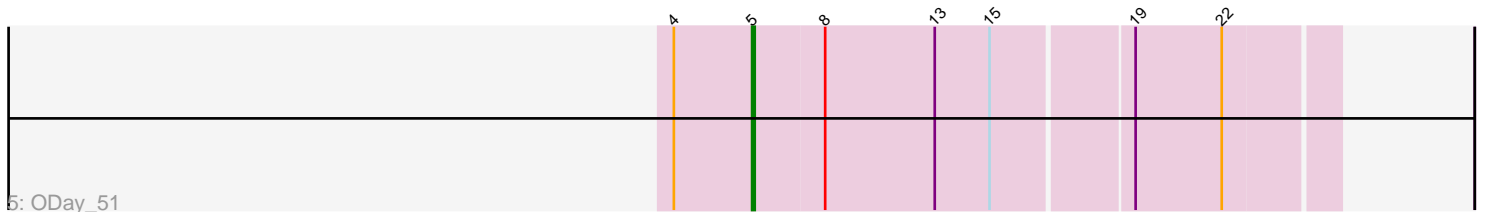
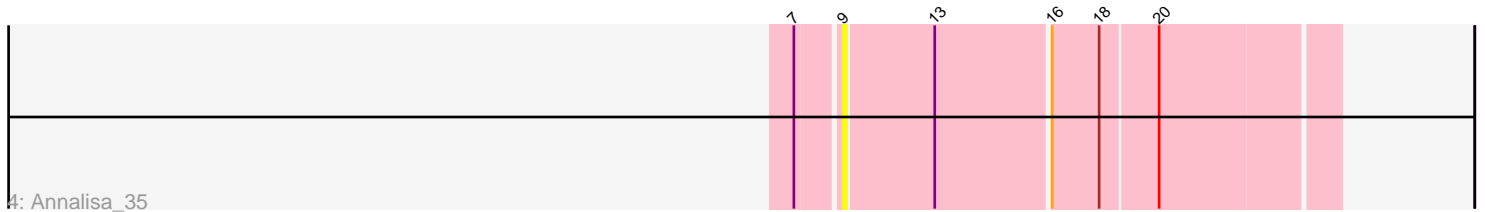
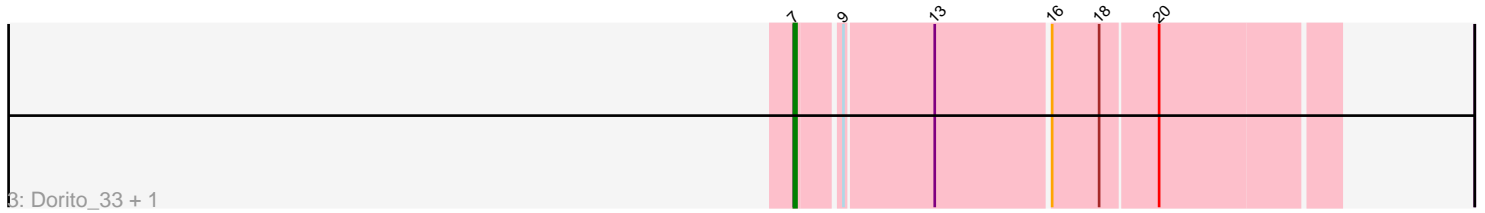
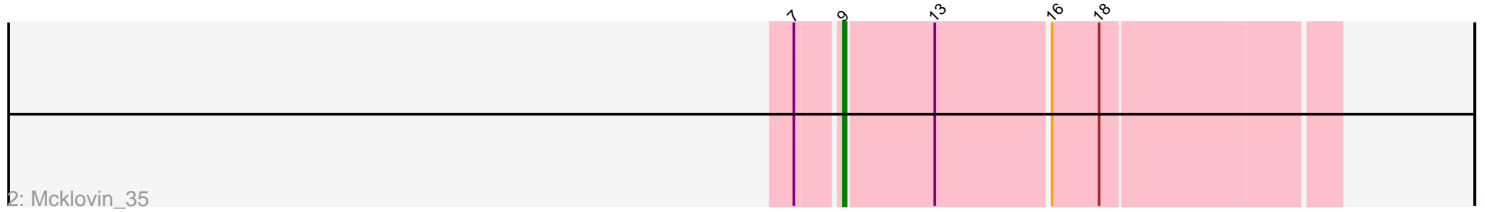
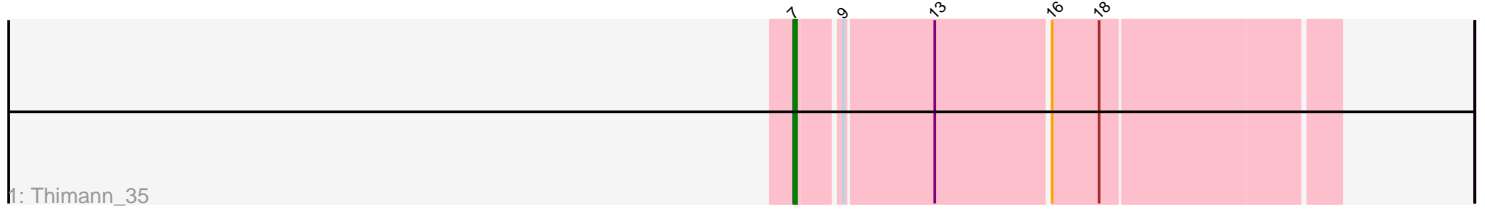


Pham 162450



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 162450 Report

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

Pham number 162450 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Thimann_35
- Track 2 : Mcklovin_35
- Track 3 : Dorito_33, Oregano_38
- Track 4 : Annalisa_35
- Track 5 : ODay_51
- Track 6 : BENtherdunthat_49
- Track 7 : Leroy_49

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

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

Genes that call this "Most Annotated" start:

- Dorito_33, Oregano_38, Thimann_35,

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

- Annalisa_35, Mcklovin_35,

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

- BENtherdunthat_49, Leroy_49, ODay_51,

Summary by start number:

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ODay_51 (DN),

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Leroy_49 (DN1),

Start 7:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Dorito_33 (CZ4), Oregano_38 (CZ4), Thimann_35 (CZ4),

Start 9:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Annalisa_35 (CZ4), Mcklovin_35 (CZ4),

Start 10:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BENtherdunthat_49 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DN1, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 7 was manually annotated 3 times for cluster CZ4.
- Start number 9 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DN:

- Start number 5 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 6 was manually annotated 1 time for cluster DN1.
- Start number 10 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Annalisa_35 Start: 28372, Stop: 28551, Start Num: 9

Candidate Starts for Annalisa_35:

(Start: 7 @28357 has 3 MA's), (Start: 9 @28372 has 1 MA's), (13, 28405), (16, 28447), (18, 28465), (20, 28486),

Gene: BENtherdunthat_49 Start: 31546, Stop: 31782, Start Num: 10

Candidate Starts for BENtherdunthat_49:

(1, 31252), (2, 31405), (3, 31465), (Start: 10 @31546 has 1 MA's), (12, 31564), (14, 31582), (17, 31627), (23, 31717), (24, 31744), (25, 31765),

Gene: Dorito_33 Start: 26951, Stop: 27145, Start Num: 7

Candidate Starts for Dorito_33:

(Start: 7 @26951 has 3 MA's), (Start: 9 @26966 has 1 MA's), (13, 26999), (16, 27041), (18, 27059), (20, 27080),

Gene: Leroy_49 Start: 33241, Stop: 33450, Start Num: 6

Candidate Starts for Leroy_49:

(3, 33196), (Start: 6 @33241 has 1 MA's), (11, 33277), (12, 33292), (13, 33304), (15, 33325), (21, 33388),

Gene: Mcklovin_35 Start: 33738, Stop: 33917, Start Num: 9

Candidate Starts for Mcklovin_35:

(Start: 7 @33723 has 3 MA's), (Start: 9 @33738 has 1 MA's), (13, 33771), (16, 33813), (18, 33831),

Gene: ODay_51 Start: 33719, Stop: 33934, Start Num: 5

Candidate Starts for ODay_51:

(4, 33689), (Start: 5 @33719 has 1 MA's), (8, 33746), (13, 33788), (15, 33809), (19, 33860), (22, 33893),

Gene: Oregano_38 Start: 28990, Stop: 29184, Start Num: 7

Candidate Starts for Oregano_38:

(Start: 7 @28990 has 3 MA's), (Start: 9 @29005 has 1 MA's), (13, 29038), (16, 29080), (18, 29098), (20, 29119),

Gene: Thimann_35 Start: 27833, Stop: 28027, Start Num: 7

Candidate Starts for Thimann_35:

(Start: 7 @27833 has 3 MA's), (Start: 9 @27848 has 1 MA's), (13, 27881), (16, 27923), (18, 27941),