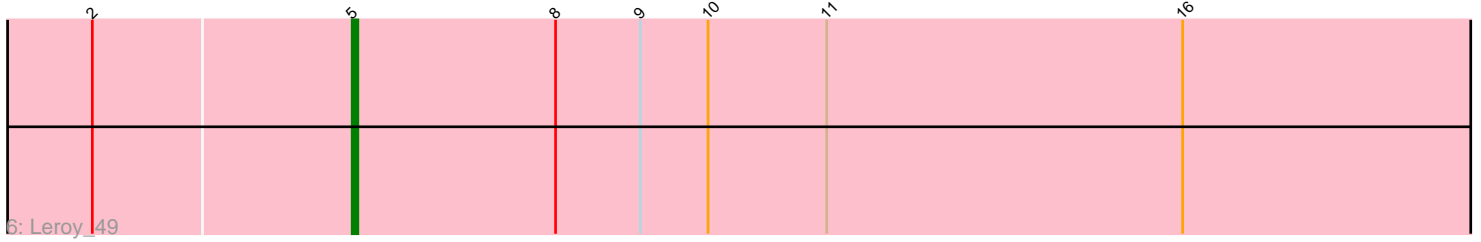
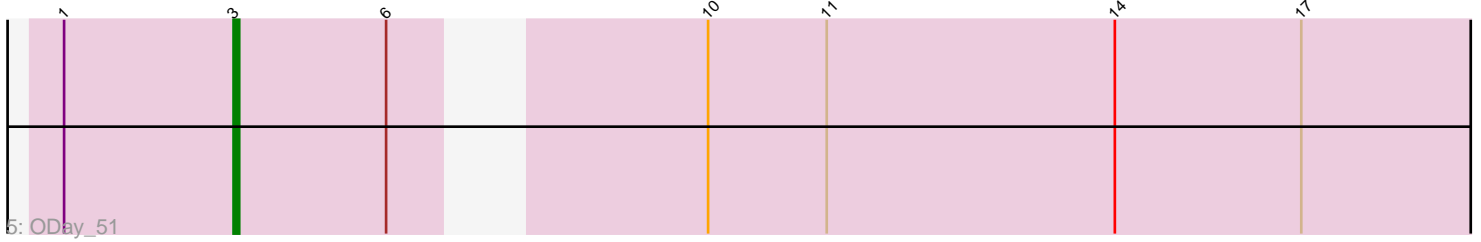
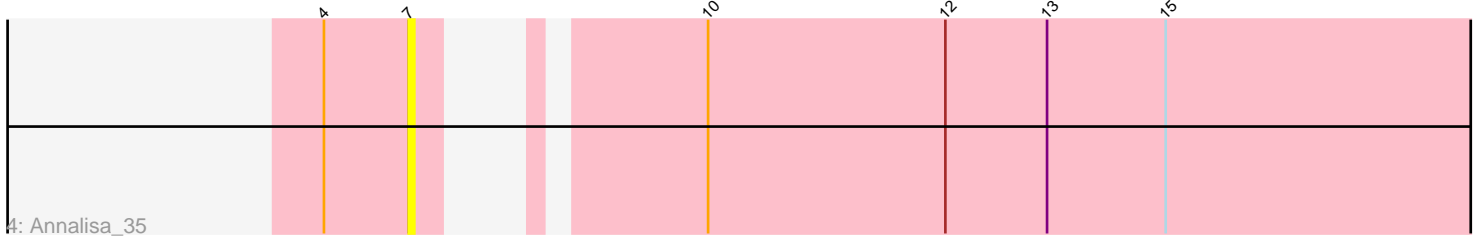
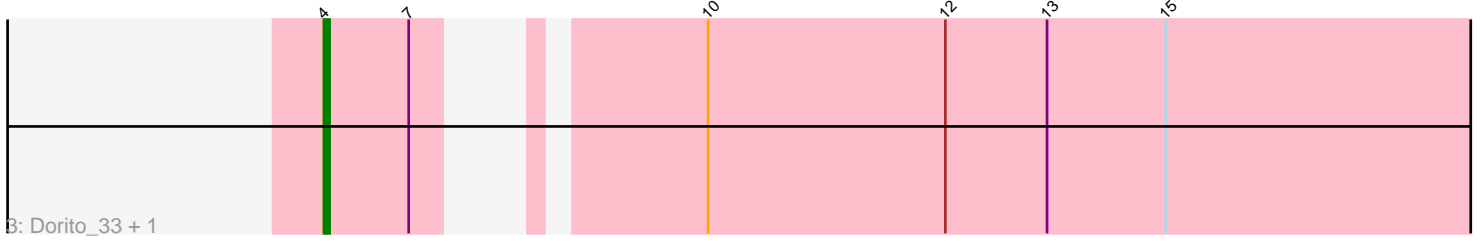
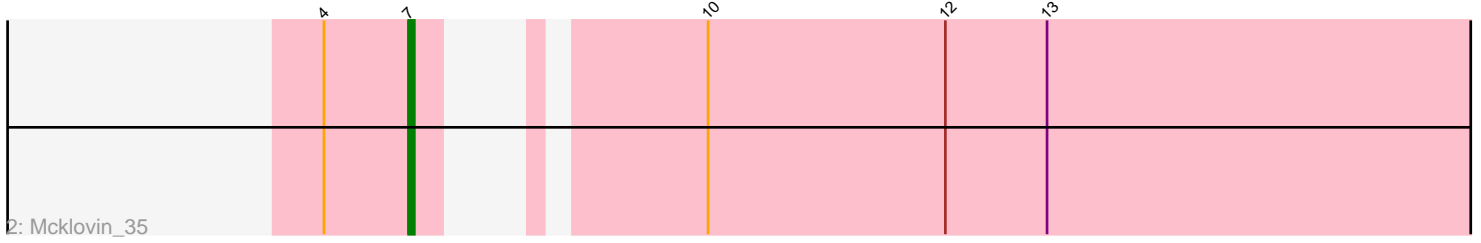
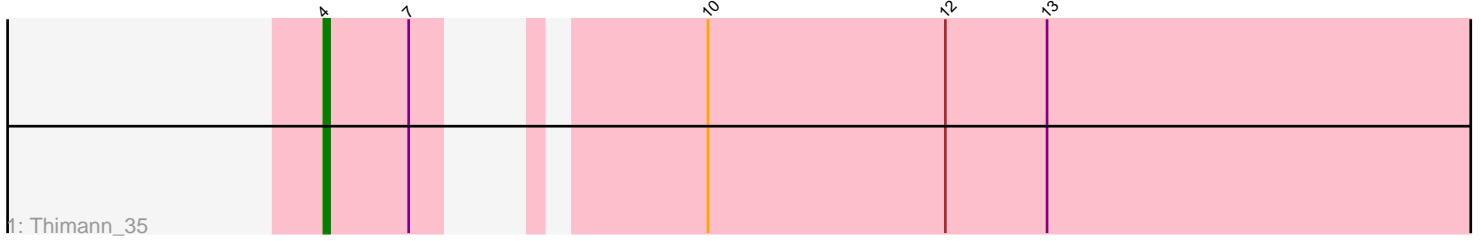


Pham 193156



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 193156 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193156 has 7 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 : 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 4, it was called in 3 of the 6 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:

- Leroy\_49, ODay\_51,

### **Summary by start number:**

Start 3:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ODay\_51 (DN),

Start 4:

- Found in 5 of 7 ( 71.4% ) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 60.0% of time when present

- Phage (with cluster) where this start called: Dorito\_33 (CZ4), Oregano\_38 (CZ4), Thimann\_35 (CZ4),

Start 5:

- Found in 1 of 7 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leroy\_49 (DN1),

Start 7:

- Found in 5 of 7 ( 71.4% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Annalisa\_35 (CZ4), Mcklovin\_35 (CZ4),

### **Summary by clusters:**

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

Info for manual annotations of cluster CZ4:

- Start number 4 was manually annotated 3 times for cluster CZ4.
- Start number 7 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 1 time for cluster DN1.

### **Gene Information:**

Gene: Annalisa\_35 Start: 28372, Stop: 28551, Start Num: 7

Candidate Starts for Annalisa\_35:

(Start: 4 @28357 has 3 MA's), (Start: 7 @28372 has 1 MA's), (10, 28405), (12, 28447), (13, 28465), (15, 28486),

Gene: Dorito\_33 Start: 26951, Stop: 27145, Start Num: 4

Candidate Starts for Dorito\_33:

(Start: 4 @26951 has 3 MA's), (Start: 7 @26966 has 1 MA's), (10, 26999), (12, 27041), (13, 27059), (15, 27080),

Gene: Leroy\_49 Start: 33241, Stop: 33450, Start Num: 5

Candidate Starts for Leroy\_49:

(2, 33196), (Start: 5 @33241 has 1 MA's), (8, 33277), (9, 33292), (10, 33304), (11, 33325), (16, 33388),

Gene: Mcklovin\_35 Start: 33738, Stop: 33917, Start Num: 7

Candidate Starts for Mcklovin\_35:

(Start: 4 @33723 has 3 MA's), (Start: 7 @33738 has 1 MA's), (10, 33771), (12, 33813), (13, 33831),

Gene: ODay\_51 Start: 33719, Stop: 33934, Start Num: 3

Candidate Starts for ODay\_51:

(1, 33689), (Start: 3 @33719 has 1 MA's), (6, 33746), (10, 33788), (11, 33809), (14, 33860), (17, 33893),

Gene: Oregano\_38 Start: 28990, Stop: 29184, Start Num: 4

Candidate Starts for Oregano\_38:

(Start: 4 @28990 has 3 MA's), (Start: 7 @29005 has 1 MA's), (10, 29038), (12, 29080), (13, 29098), (15, 29119),

Gene: Thimann\_35 Start: 27833, Stop: 28027, Start Num: 4

Candidate Starts for Thimann\_35:

(Start: 4 @27833 has 3 MA's), (Start: 7 @27848 has 1 MA's), (10, 27881), (12, 27923), (13, 27941),