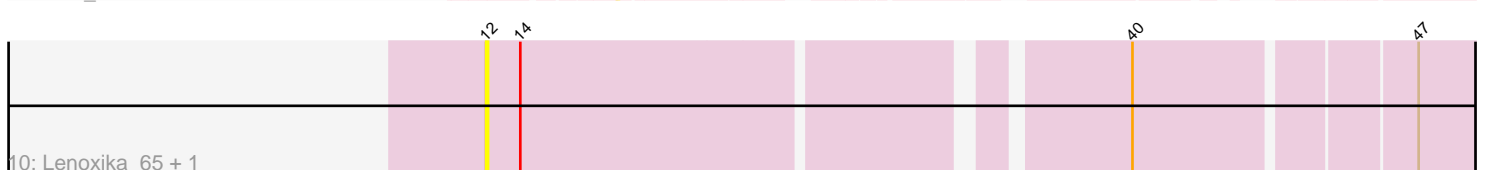
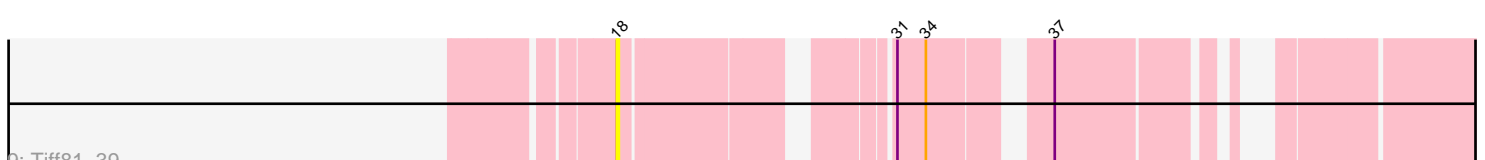
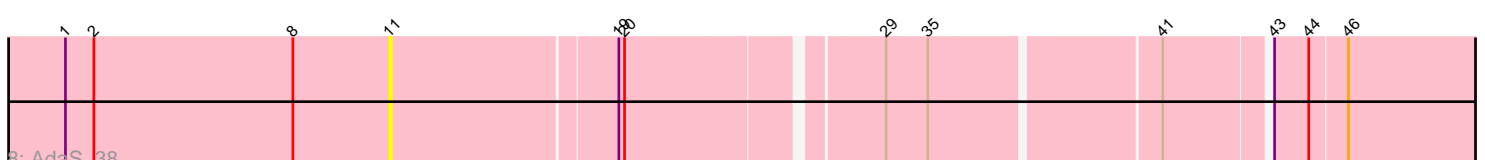
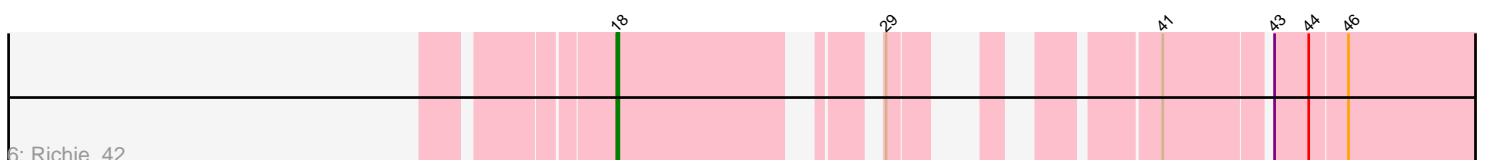
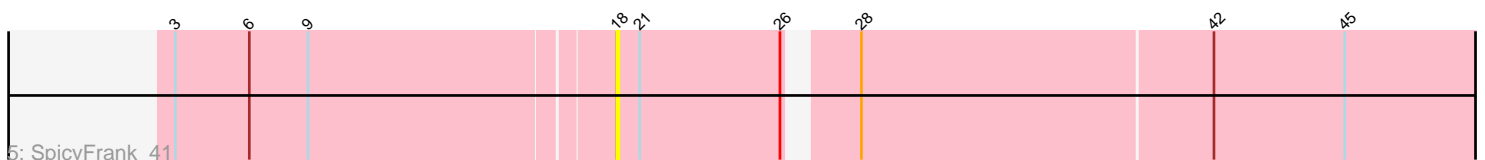
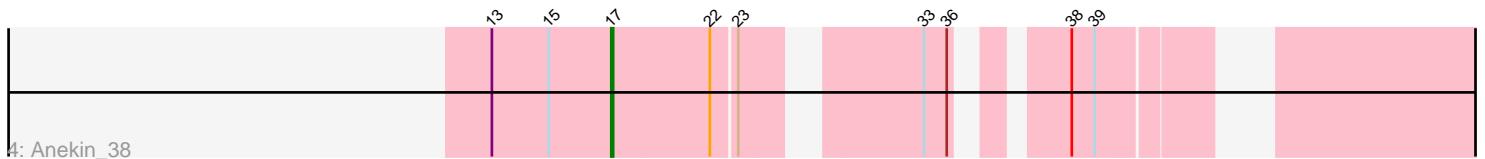
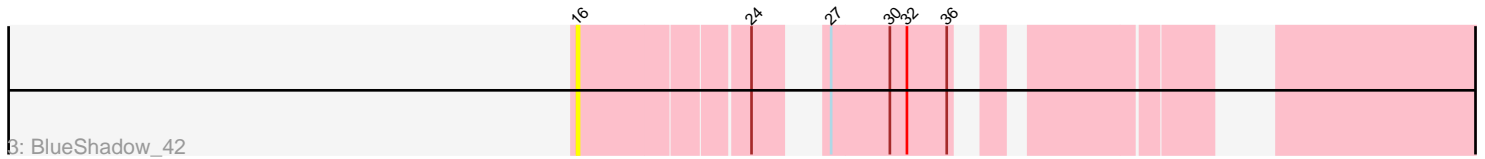
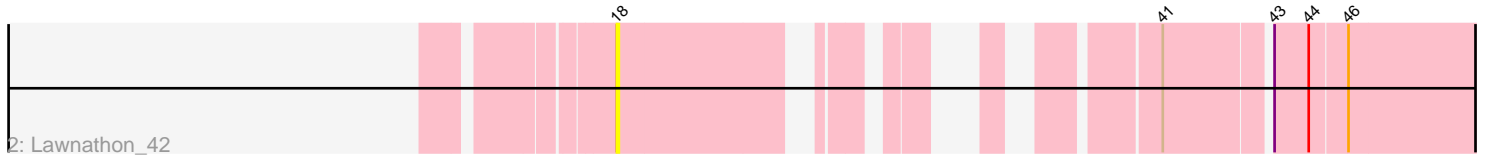
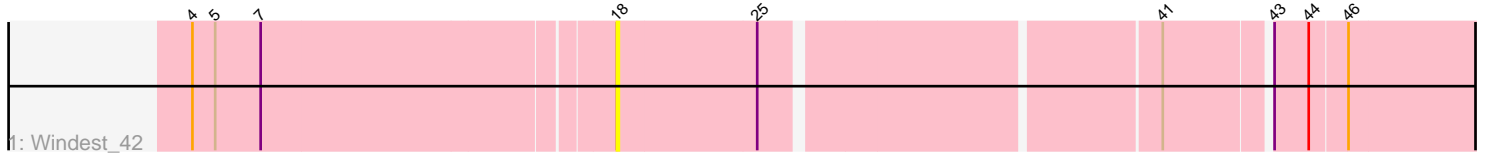


Pham 200835



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 200835 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200835 has 11 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Windest\_42
- Track 2 : Lawnathon\_42
- Track 3 : BlueShadow\_42
- Track 4 : Anekin\_38
- Track 5 : SpicyFrank\_41
- Track 6 : Richie\_42
- Track 7 : Hestia\_40
- Track 8 : AdaS\_38
- Track 9 : Tiff81\_39
- Track 10 : Lenoxika\_65, AllBusiness\_63

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

The start number called the most often in the published annotations is 18, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hestia\_40, Lawnathon\_42, Richie\_42, SpicyFrank\_41, Tiff81\_39, Windest\_42,

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

- 

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

- AdaS\_38, AllBusiness\_63, Anekin\_38, BlueShadow\_42, Lenoxika\_65,

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

Start 11:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AdaS\_38 (AY),

Start 12:

- Found in 2 of 11 ( 18.2% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AllBusiness\_63 (FF), Lenoxika\_65 (FF),

Start 16:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueShadow\_42 (AY),

Start 17:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anekin\_38 (AY),

Start 18:

- Found in 6 of 11 ( 54.5% ) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hestia\_40 (AY), Lawnathon\_42 (AY), Richie\_42 (AY), SpicyFrank\_41 (AY), Tiff81\_39 (AY), Windest\_42 (AY),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AY, FF,

Info for manual annotations of cluster AY:

- Start number 17 was manually annotated 1 time for cluster AY.
- Start number 18 was manually annotated 2 times for cluster AY.

### **Gene Information:**

Gene: AdaS\_38 Start: 26390, Stop: 25854, Start Num: 11

Candidate Starts for AdaS\_38:

(1, 26561), (2, 26546), (8, 26441), (11, 26390), (19, 26276), (20, 26273), (29, 26153), (35, 26132), (41, 26018), (43, 25967), (44, 25949), (46, 25931),

Gene: AllBusiness\_63 Start: 42408, Stop: 42935, Start Num: 12

Candidate Starts for AllBusiness\_63:

(12, 42408), (14, 42426), (40, 42717), (47, 42855),

Gene: Anekin\_38 Start: 27545, Stop: 27171, Start Num: 17

Candidate Starts for Anekin\_38:

(13, 27608), (15, 27578), (Start: 17 @27545 has 1 MA's), (22, 27494), (23, 27482), (33, 27407), (36, 27395), (38, 27356), (39, 27344),

Gene: BlueShadow\_42 Start: 28230, Stop: 27841, Start Num: 16

Candidate Starts for BlueShadow\_42:

(16, 28230), (24, 28146), (27, 28125), (30, 28095), (32, 28086), (36, 28065),

Gene: Hestia\_40 Start: 27726, Stop: 27310, Start Num: 18

Candidate Starts for Hestia\_40:

(10, 27885), (Start: 18 @27726 has 2 MA's), (44, 27396),

Gene: Lawnathon\_42 Start: 28163, Stop: 27801, Start Num: 18

Candidate Starts for Lawnathon\_42:

(Start: 18 @28163 has 2 MA's), (41, 27965), (43, 27914), (44, 27896), (46, 27878),

Gene: Lenoxika\_65 Start: 41111, Stop: 41638, Start Num: 12

Candidate Starts for Lenoxika\_65:

(12, 41111), (14, 41129), (40, 41420), (47, 41558),

Gene: Richie\_42 Start: 28324, Stop: 27962, Start Num: 18

Candidate Starts for Richie\_42:

(Start: 18 @28324 has 2 MA's), (29, 28216), (41, 28126), (43, 28075), (44, 28057), (46, 28039),

Gene: SpicyFrank\_41 Start: 28170, Stop: 27721, Start Num: 18

Candidate Starts for SpicyFrank\_41:

(3, 28392), (6, 28353), (9, 28323), (Start: 18 @28170 has 2 MA's), (21, 28158), (26, 28086), (28, 28059), (42, 27876), (45, 27807),

Gene: Tiff81\_39 Start: 25801, Stop: 25427, Start Num: 18

Candidate Starts for Tiff81\_39:

(Start: 18 @25801 has 2 MA's), (31, 25684), (34, 25669), (37, 25618),

Gene: Windest\_42 Start: 27278, Stop: 26847, Start Num: 18

Candidate Starts for Windest\_42:

(4, 27491), (5, 27479), (7, 27455), (Start: 18 @27278 has 2 MA's), (25, 27206), (41, 27011), (43, 26960), (44, 26942), (46, 26924),