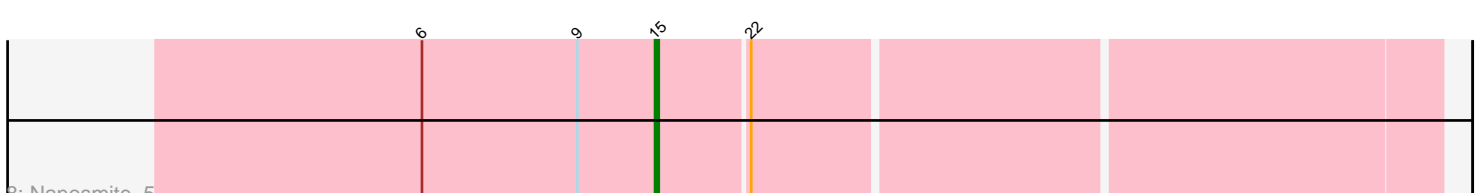
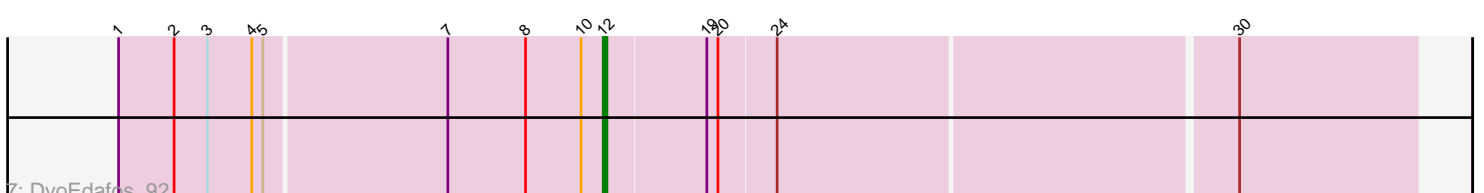
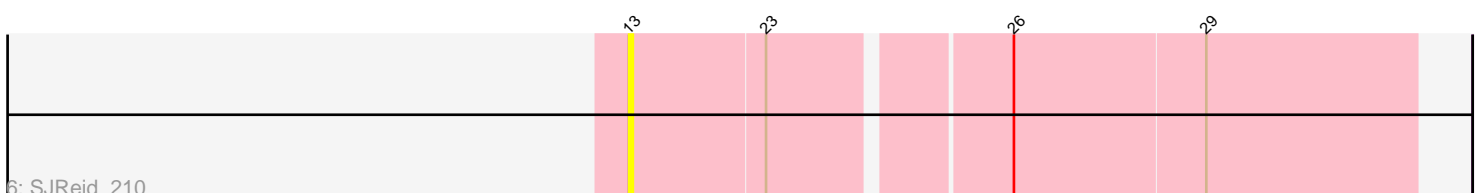
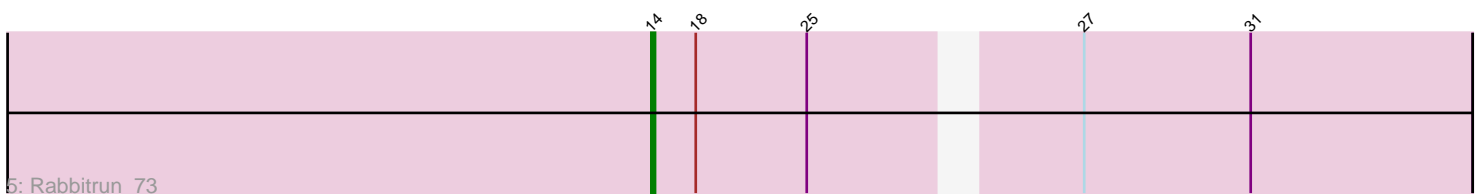
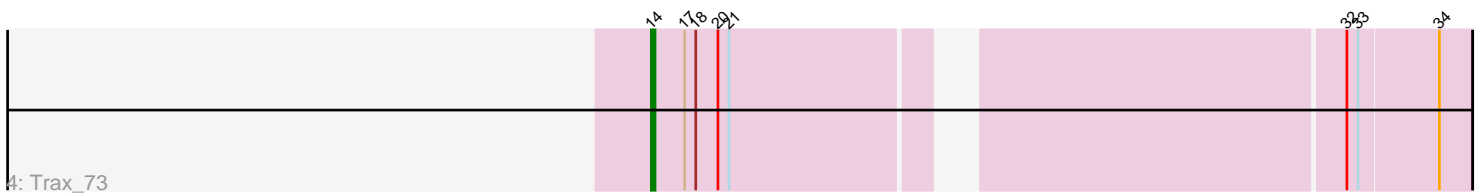
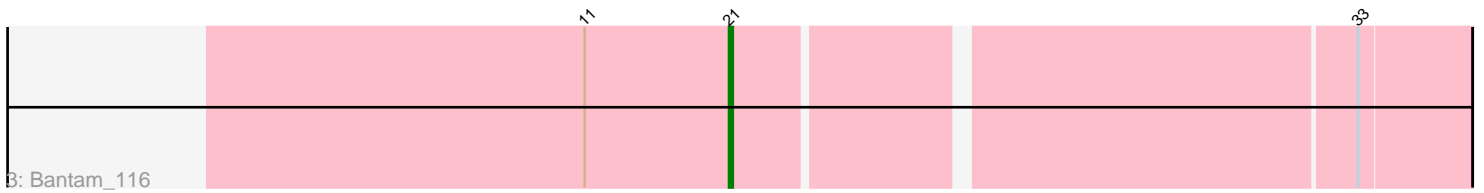
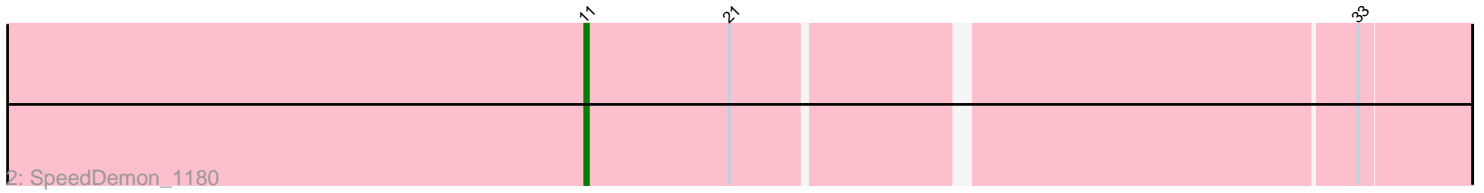
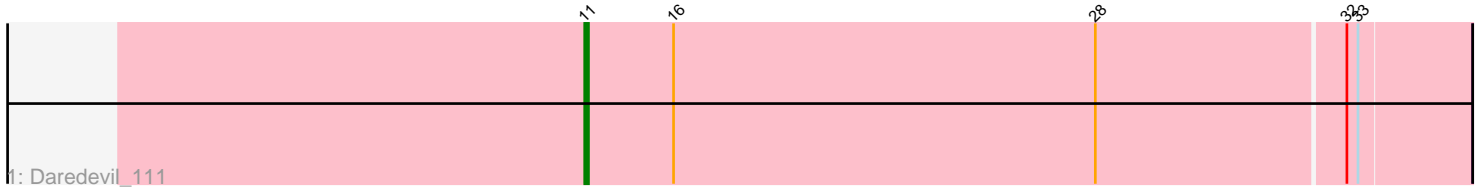


Pham 172020



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 172020 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172020 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Daredevil\_111
- Track 2 : SpeedDemon\_1180
- Track 3 : Bantam\_116
- Track 4 : Trax\_73
- Track 5 : Rabbitrun\_73
- Track 6 : SJReid\_210
- Track 7 : DyoEdafos\_92
- Track 8 : Nanosmite\_5

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

The start number called the most often in the published annotations is 14, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Rabbitrun\_73, Trax\_73,

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

- 

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

- Bantam\_116, Daredevil\_111, DyoEdafos\_92, Nanosmite\_5, SJReid\_210, SpeedDemon\_1180,

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

Start 11:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Daredevil\_111 (DL), SpeedDemon\_1180 (DL),

Start 12:

- 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: DyoEdafos\_92 (L4),

Start 13:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid\_210 (FC),

Start 14:

- Found in 2 of 8 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rabbitrun\_73 (DU2), Trax\_73 (DU2),

Start 15:

- 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: Nanosmite\_5 (M3),

Start 21:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bantam\_116 (DL),

### **Summary by clusters:**

There are 5 clusters represented in this pham: FC, L4, DU2, DL, M3,

Info for manual annotations of cluster DL:

- Start number 11 was manually annotated 2 times for cluster DL.
- Start number 21 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DU2:

- Start number 14 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster L4:

- Start number 12 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster M3:

- Start number 15 was manually annotated 1 time for cluster M3.

### **Gene Information:**

Gene: Bantam\_116 Start: 73048, Stop: 73236, Start Num: 21

Candidate Starts for Bantam\_116:

(Start: 11 @73009 has 2 MA's), (Start: 21 @73048 has 1 MA's), (33, 73207),

Gene: Daredevil\_111 Start: 69987, Stop: 70223, Start Num: 11

Candidate Starts for Daredevil\_111:

(Start: 11 @69987 has 2 MA's), (16, 70011), (28, 70125), (32, 70191), (33, 70194),

Gene: DyoEdafos\_92 Start: 57153, Stop: 57365, Start Num: 12

Candidate Starts for DyoEdafos\_92:

(1, 57024), (2, 57039), (3, 57048), (4, 57060), (5, 57063), (7, 57111), (8, 57132), (10, 57147), (Start: 12 @57153 has 1 MA's), (19, 57180), (20, 57183), (24, 57198), (30, 57318),

Gene: Nanosmite\_5 Start: 2451, Stop: 2248, Start Num: 15

Candidate Starts for Nanosmite\_5:

(6, 2514), (9, 2472), (Start: 15 @2451 has 1 MA's), (22, 2427),

Gene: Rabbitrun\_73 Start: 44915, Stop: 45124, Start Num: 14

Candidate Starts for Rabbitrun\_73:

(Start: 14 @44915 has 2 MA's), (18, 44927), (25, 44957), (27, 45020), (31, 45065),

Gene: SJReid\_210 Start: 135453, Stop: 135656, Start Num: 13

Candidate Starts for SJReid\_210:

(13, 135453), (23, 135489), (26, 135549), (29, 135600),

Gene: SpeedDemon\_1180 Start: 76063, Stop: 76290, Start Num: 11

Candidate Starts for SpeedDemon\_1180:

(Start: 11 @76063 has 2 MA's), (Start: 21 @76102 has 1 MA's), (33, 76261),

Gene: Trax\_73 Start: 45629, Stop: 45832, Start Num: 14

Candidate Starts for Trax\_73:

(Start: 14 @45629 has 2 MA's), (17, 45638), (18, 45641), (20, 45647), (Start: 21 @45650 has 1 MA's), (32, 45800), (33, 45803), (34, 45824),