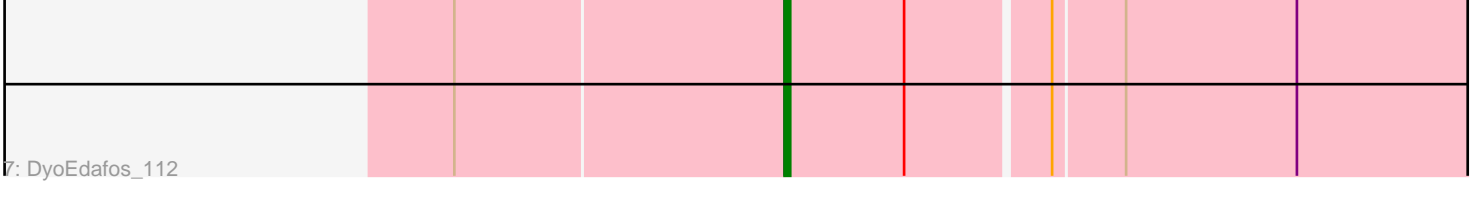
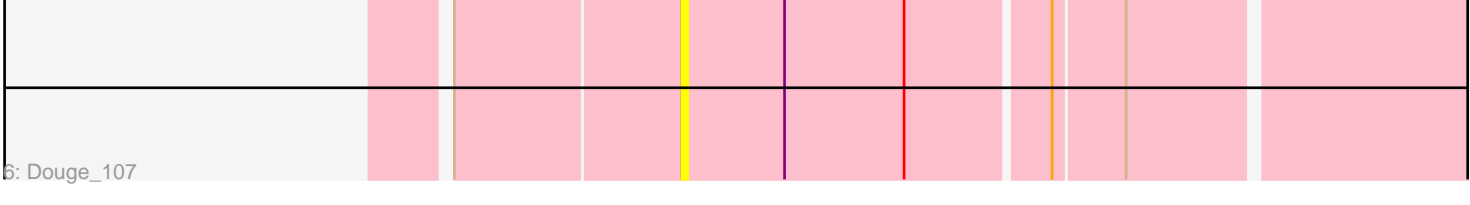
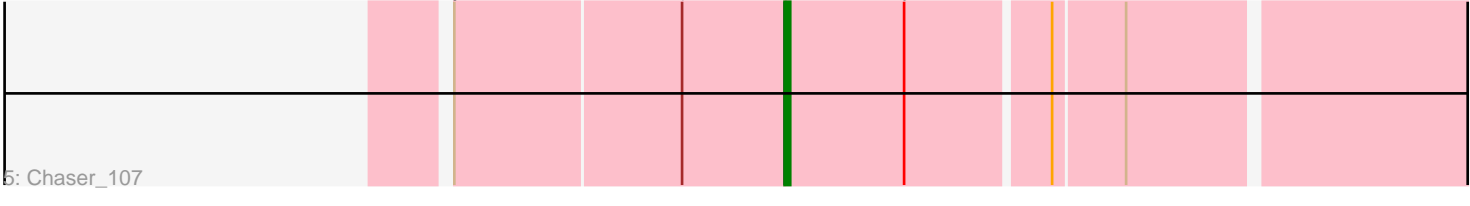
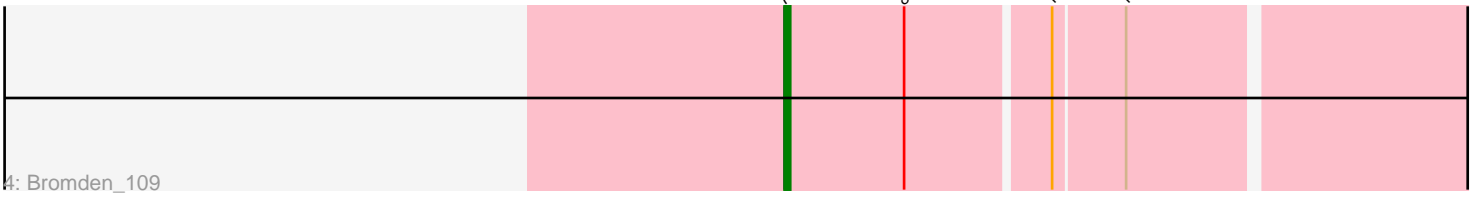
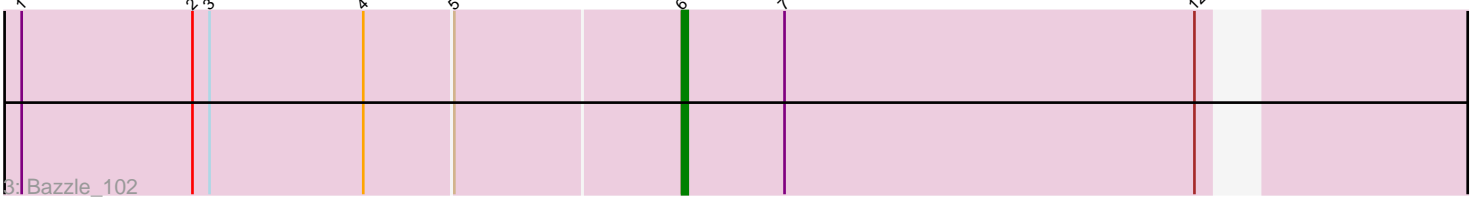
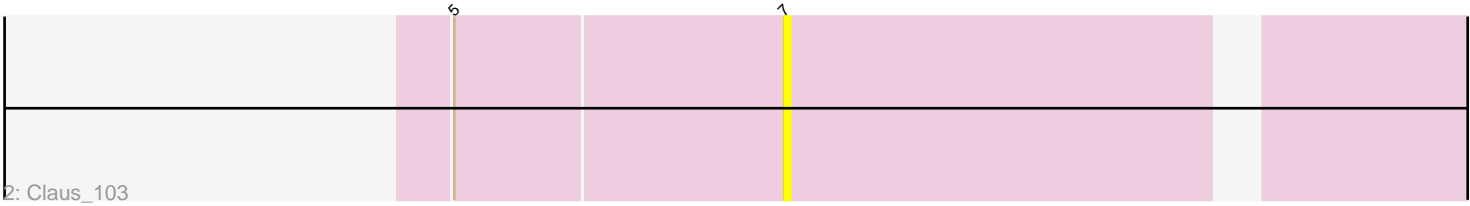
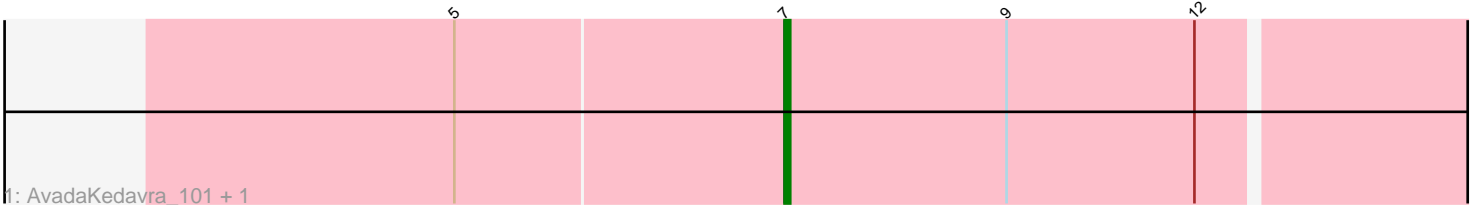


Pham 88030



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 88030 Report

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

Pham number 88030 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : AvadaKedavra\_101, UPIE\_100
- Track 2 : Claus\_103
- Track 3 : Bazzle\_102
- Track 4 : Bromden\_109
- Track 5 : Chaser\_107
- Track 6 : Douge\_107
- Track 7 : DyoEdafos\_112

### ***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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AvadaKedavra\_101, Bromden\_109, Chaser\_107, Claus\_103, DyoEdafos\_112, UPIE\_100,

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

- Bazzle\_102, Douge\_107,

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

- 

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

Start 6:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bazzle\_102 (L2), Douge\_107 (L4),

Start 7:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 6

- Called 75.0% of time when present
- Phage (with cluster) where this start called: AvadaKedavra\_101 (L1), Bromden\_109 (L4), Chaser\_107 (L4), Claus\_103 (L2), DyoEdafos\_112 (L4), UPIE\_100 (L1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: L4, L2, L1,

Info for manual annotations of cluster L1:

- Start number 7 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 6 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:

- Start number 7 was manually annotated 3 times for cluster L4.

### **Gene Information:**

Gene: AvadaKedavra\_101 Start: 61168, Stop: 61293, Start Num: 7

Candidate Starts for AvadaKedavra\_101:

(5, 61111), (Start: 7 @61168 has 5 MA's), (9, 61207), (12, 61240),

Gene: Bazzle\_102 Start: 63033, Stop: 63170, Start Num: 6

Candidate Starts for Bazzle\_102:

(1, 62919), (2, 62949), (3, 62952), (4, 62979), (5, 62994), (Start: 6 @63033 has 1 MA's), (Start: 7 @63051 has 5 MA's), (12, 63123),

Gene: Bromden\_109 Start: 64458, Stop: 64577, Start Num: 7

Candidate Starts for Bromden\_109:

(Start: 7 @64458 has 5 MA's), (8, 64479), (10, 64503), (11, 64515),

Gene: Chaser\_107 Start: 62896, Stop: 63015, Start Num: 7

Candidate Starts for Chaser\_107:

(5, 62839), (Start: 6 @62878 has 1 MA's), (Start: 7 @62896 has 5 MA's), (8, 62917), (10, 62941), (11, 62953),

Gene: Claus\_103 Start: 62825, Stop: 62944, Start Num: 7

Candidate Starts for Claus\_103:

(5, 62768), (Start: 7 @62825 has 5 MA's),

Gene: Douge\_107 Start: 62685, Stop: 62822, Start Num: 6

Candidate Starts for Douge\_107:

(5, 62646), (Start: 6 @62685 has 1 MA's), (Start: 7 @62703 has 5 MA's), (8, 62724), (10, 62748), (11, 62760),

Gene: DyoEdafos\_112 Start: 63677, Stop: 63802, Start Num: 7

Candidate Starts for DyoEdafos\_112:

(5, 63620), (Start: 7 @63677 has 5 MA's), (8, 63698), (10, 63722), (11, 63734), (13, 63764),

Gene: UPIE\_100 Start: 61001, Stop: 61126, Start Num: 7

Candidate Starts for UPIE\_100:

(5, 60944), (Start: 7 @61001 has 5 MA's), (9, 61040), (12, 61073),