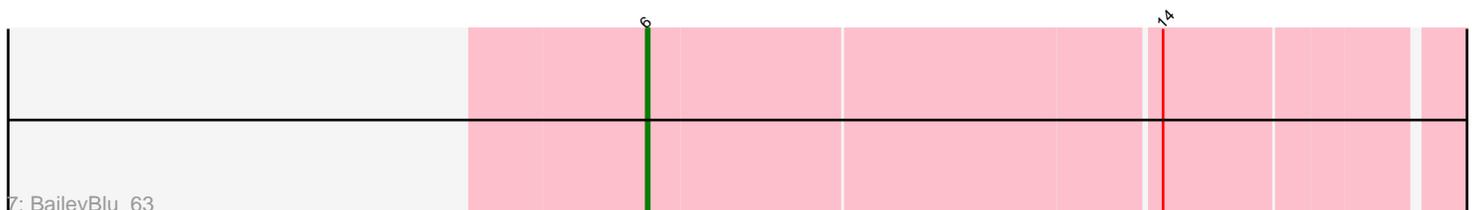
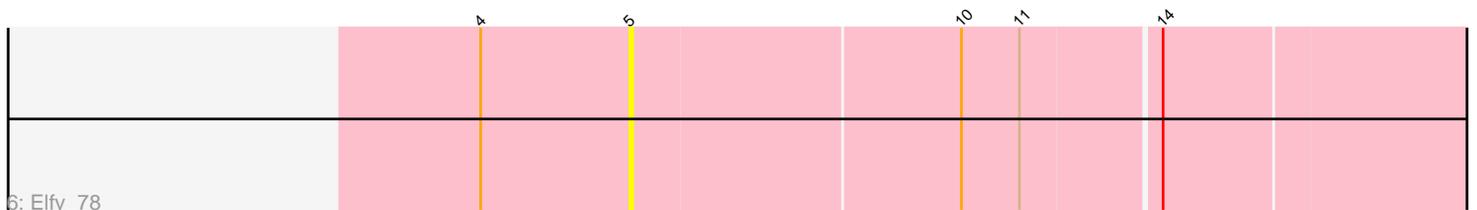
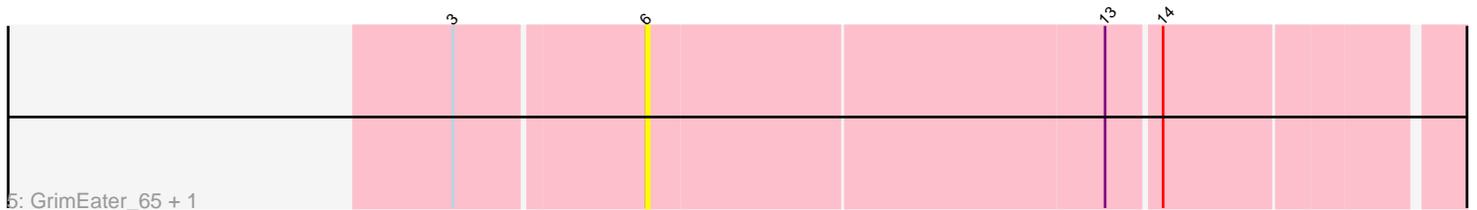
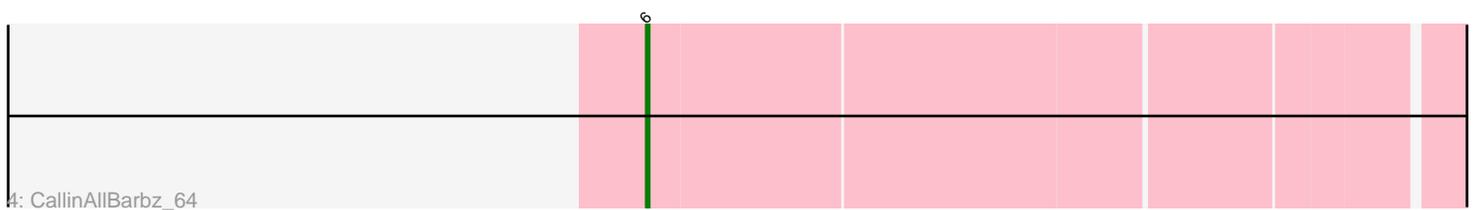
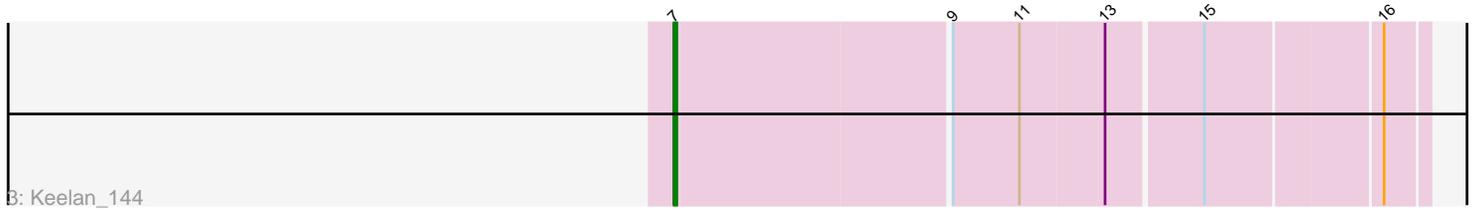
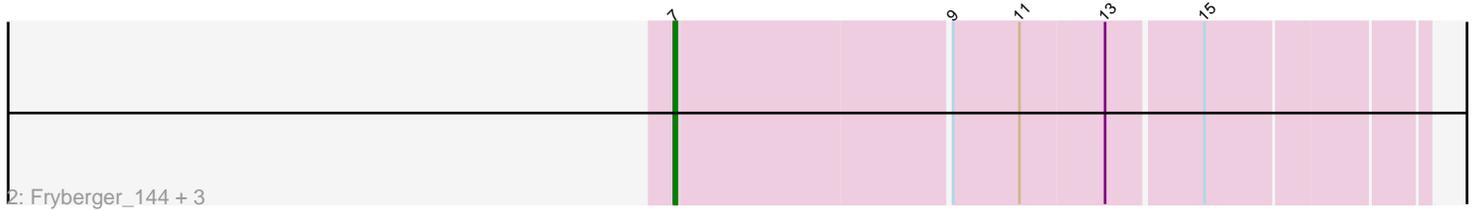
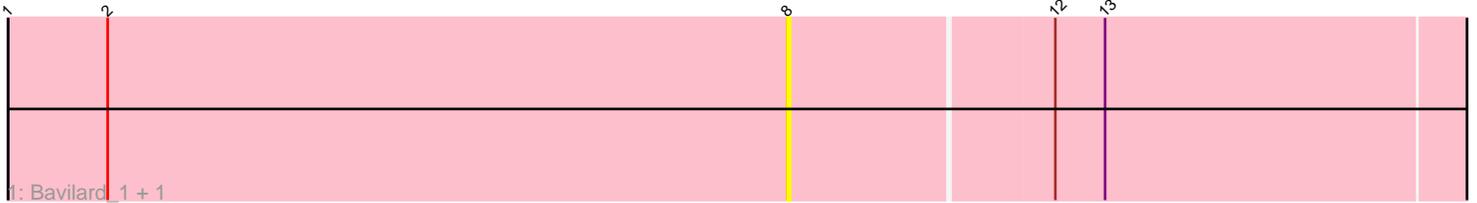


Pham 291699



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 291699 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291699 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Bavidard\_1, McDazzle\_1
- Track 2 : Fryberger\_144, Volt\_150, Ronaldo\_147, Guey18\_149
- Track 3 : Keelan\_144
- Track 4 : CallinAllBarbz\_64
- Track 5 : GrimEater\_65, Jankie\_67
- Track 6 : Elfy\_78
- Track 7 : BaileyBlu\_63

### ***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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fryberger\_144, Guey18\_149, Keelan\_144, Ronaldo\_147, Volt\_150,

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

- 

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

- BaileyBlu\_63, Bavidard\_1, CallinAllBarbz\_64, Elfy\_78, GrimEater\_65, Jankie\_67, McDazzle\_1,

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

Start 5:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elfy\_78 (FP),

Start 6:

- Found in 4 of 12 ( 33.3% ) 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: BaileyBlu\_63 (FP), CallinAllBarbz\_64 (FP), GrimEater\_65 (FP), Jankie\_67 (FP),

Start 7:

- Found in 5 of 12 ( 41.7% ) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger\_144 (DP), Guey18\_149 (DP), Keelan\_144 (DP), Ronaldo\_147 (DP), Volt\_150 (DP),

Start 8:

- Found in 2 of 12 ( 16.7% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bavidard\_1 (CT), McDazzle\_1 (CT),

### **Summary by clusters:**

There are 3 clusters represented in this pham: FP, DP, CT,

Info for manual annotations of cluster DP:

- Start number 7 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster FP:

- Start number 6 was manually annotated 2 times for cluster FP.

### **Gene Information:**

Gene: BaileyBlu\_63 Start: 40002, Stop: 40289, Start Num: 6

Candidate Starts for BaileyBlu\_63:

(Start: 6 @40002 has 2 MA's), (14, 40182),

Gene: Bavidard\_1 Start: 285, Stop: 542, Start Num: 8

Candidate Starts for Bavidard\_1:

(1, 3), (2, 39), (8, 285), (12, 378), (13, 396),

Gene: CallinAllBarbz\_64 Start: 40753, Stop: 41040, Start Num: 6

Candidate Starts for CallinAllBarbz\_64:

(Start: 6 @40753 has 2 MA's),

Gene: Elfy\_78 Start: 43714, Stop: 44013, Start Num: 5

Candidate Starts for Elfy\_78:

(4, 43660), (5, 43714), (10, 43831), (11, 43852), (14, 43900),

Gene: Fryberger\_144 Start: 66223, Stop: 66480, Start Num: 7

Candidate Starts for Fryberger\_144:

(Start: 7 @66223 has 5 MA's), (9, 66319), (11, 66343), (13, 66373), (15, 66406),

Gene: GrimEater\_65 Start: 41105, Stop: 41392, Start Num: 6

Candidate Starts for GrimEater\_65:

(3, 41039), (Start: 6 @41105 has 2 MA's), (13, 41267), (14, 41285),

Gene: Guey18\_149 Start: 67884, Stop: 68141, Start Num: 7

Candidate Starts for Guey18\_149:

(Start: 7 @67884 has 5 MA's), (9, 67980), (11, 68004), (13, 68034), (15, 68067),

Gene: Jankie\_67 Start: 41285, Stop: 41572, Start Num: 6

Candidate Starts for Jankie\_67:

(3, 41219), (Start: 6 @41285 has 2 MA's), (13, 41447), (14, 41465),

Gene: Keelan\_144 Start: 66560, Stop: 66817, Start Num: 7

Candidate Starts for Keelan\_144:

(Start: 7 @66560 has 5 MA's), (9, 66656), (11, 66680), (13, 66710), (15, 66743), (16, 66803),

Gene: McDazzle\_1 Start: 285, Stop: 542, Start Num: 8

Candidate Starts for McDazzle\_1:

(1, 3), (2, 39), (8, 285), (12, 378), (13, 396),

Gene: Ronaldo\_147 Start: 67378, Stop: 67635, Start Num: 7

Candidate Starts for Ronaldo\_147:

(Start: 7 @67378 has 5 MA's), (9, 67474), (11, 67498), (13, 67528), (15, 67561),

Gene: Volt\_150 Start: 67542, Stop: 67799, Start Num: 7

Candidate Starts for Volt\_150:

(Start: 7 @67542 has 5 MA's), (9, 67638), (11, 67662), (13, 67692), (15, 67725),