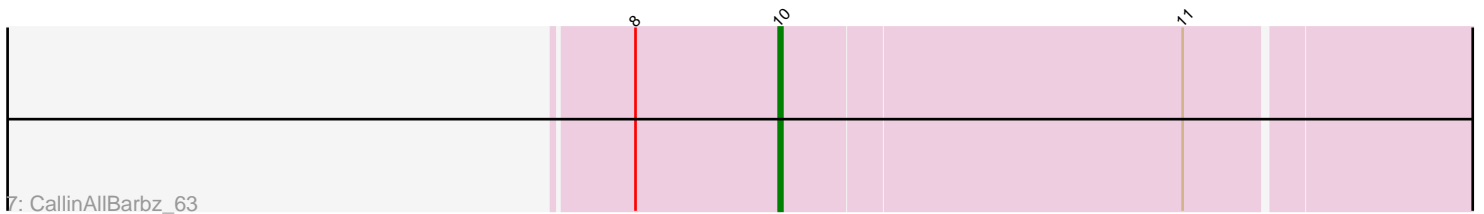
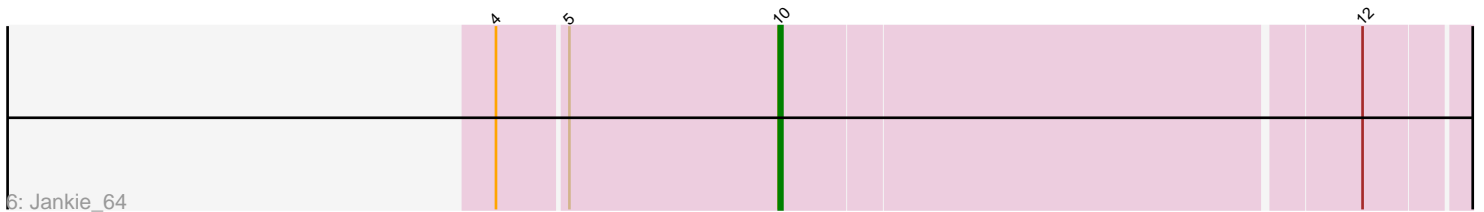
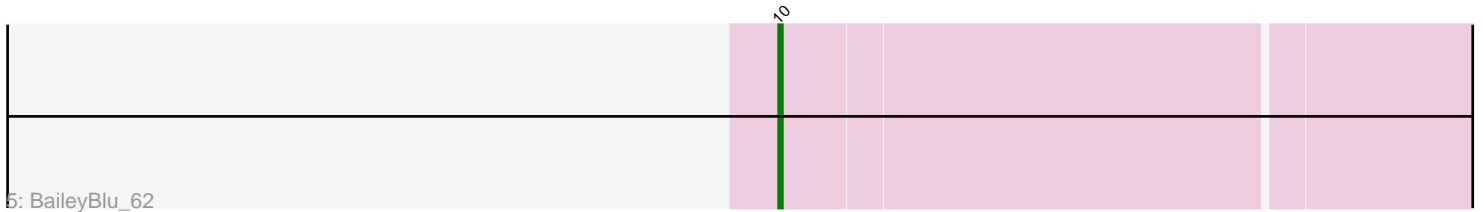
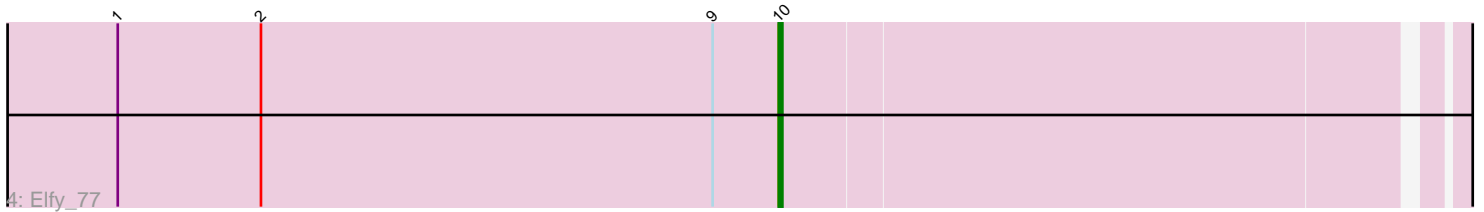
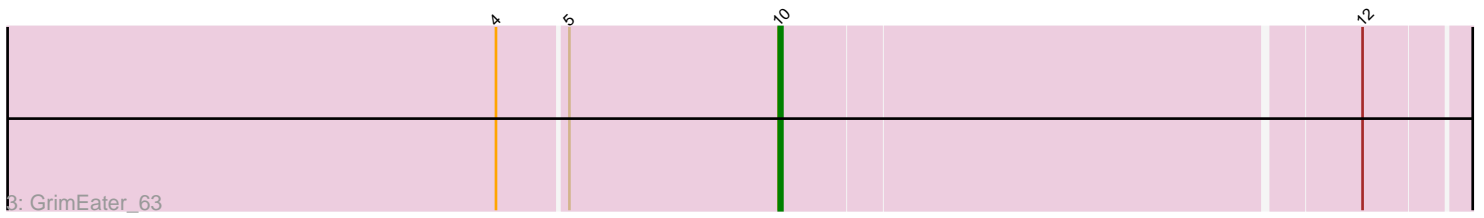
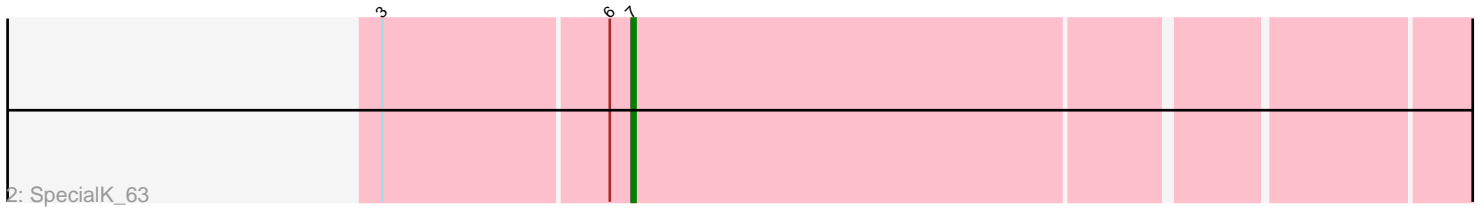
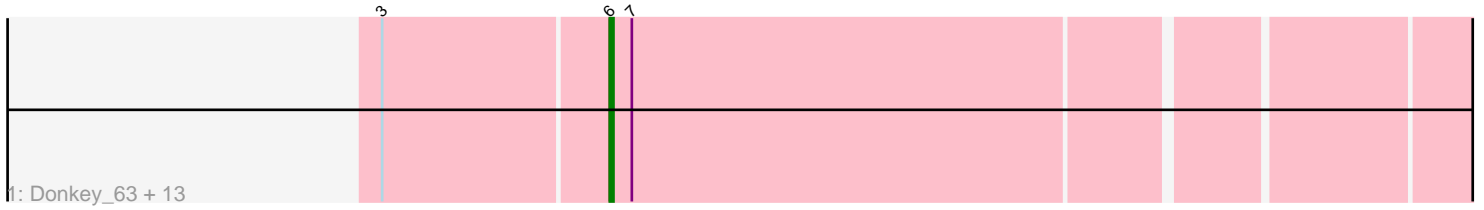


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 312043 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312043 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Donkey\_63, Kalimba\_63, Gambol\_64, Cappuccino\_63, Halsey\_63, Gumpizza\_62, Sooty\_63, Moss\_63, Mysterium\_62, Beaupre\_62, RockScotty\_62, Ashes\_63, Giorgio\_62, Stuu\_63
- Track 2 : SpecialK\_63
- Track 3 : GrimEater\_63
- Track 4 : Elfy\_77
- Track 5 : BaileyBlu\_62
- Track 6 : Jankie\_64
- Track 7 : CallinAllBarbz\_63

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

The start number called the most often in the published annotations is 6, it was called in 14 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashes\_63, Beaupre\_62, Cappuccino\_63, Donkey\_63, Gambol\_64, Giorgio\_62, Gumpizza\_62, Halsey\_63, Kalimba\_63, Moss\_63, Mysterium\_62, RockScotty\_62, Sooty\_63, Stuu\_63,

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

- SpecialK\_63,

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

- BaileyBlu\_62, CallinAllBarbz\_63, Elfy\_77, GrimEater\_63, Jankie\_64,

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

Start 6:

- Found in 15 of 20 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 14 of 20
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Ashes\_63 (AZ5), Beaupre\_62 (AZ5), Cappuccino\_63 (AZ5), Donkey\_63 (AZ5), Gambol\_64 (AZ5), Giorgio\_62 (AZ5),

Gumpizza\_62 (AZ5), Halsey\_63 (AZ5), Kalimba\_63 (AZ5), Moss\_63 (AZ5),  
Mysterium\_62 (AZ5), RockScotty\_62 (AZ5), Sooty\_63 (AZ5), Stuu\_63 (AZ5),

Start 7:

- Found in 15 of 20 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 6.7% of time when present
- Phage (with cluster) where this start called: SpecialK\_63 (AZ5),

Start 10:

- Found in 5 of 20 ( 25.0% ) of genes in pham
- Manual Annotations of this start: 5 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu\_62 (FP), CallinAllBarbz\_63 (FP), Elfy\_77 (FP), GrimEater\_63 (FP), Jankie\_64 (FP),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FP, AZ5,

Info for manual annotations of cluster AZ5:

- Start number 6 was manually annotated 14 times for cluster AZ5.
- Start number 7 was manually annotated 1 time for cluster AZ5.

Info for manual annotations of cluster FP:

- Start number 10 was manually annotated 5 times for cluster FP.

### **Gene Information:**

Gene: Ashes\_63 Start: 39865, Stop: 40107, Start Num: 6

Candidate Starts for Ashes\_63:

(3, 39805), (Start: 6 @39865 has 14 MA's), (Start: 7 @39871 has 1 MA's),

Gene: BaileyBlu\_62 Start: 39793, Stop: 40005, Start Num: 10

Candidate Starts for BaileyBlu\_62:

(Start: 10 @39793 has 5 MA's),

Gene: Beaupre\_62 Start: 39675, Stop: 39917, Start Num: 6

Candidate Starts for Beaupre\_62:

(3, 39615), (Start: 6 @39675 has 14 MA's), (Start: 7 @39681 has 1 MA's),

Gene: CallinAllBarbz\_63 Start: 40544, Stop: 40756, Start Num: 10

Candidate Starts for CallinAllBarbz\_63:

(8, 40505), (Start: 10 @40544 has 5 MA's), (11, 40652),

Gene: Cappuccino\_63 Start: 39745, Stop: 39987, Start Num: 6

Candidate Starts for Cappuccino\_63:

(3, 39685), (Start: 6 @39745 has 14 MA's), (Start: 7 @39751 has 1 MA's),

Gene: Donkey\_63 Start: 39735, Stop: 39977, Start Num: 6

Candidate Starts for Donkey\_63:

(3, 39675), (Start: 6 @39735 has 14 MA's), (Start: 7 @39741 has 1 MA's),

Gene: Elfy\_77 Start: 43517, Stop: 43717, Start Num: 10

Candidate Starts for Elfy\_77:

(1, 43337), (2, 43376), (9, 43499), (Start: 10 @43517 has 5 MA's),

Gene: Gambol\_64 Start: 39755, Stop: 39997, Start Num: 6

Candidate Starts for Gambol\_64:

(3, 39695), (Start: 6 @39755 has 14 MA's), (Start: 7 @39761 has 1 MA's),

Gene: Giorgio\_62 Start: 39658, Stop: 39900, Start Num: 6

Candidate Starts for Giorgio\_62:

(3, 39598), (Start: 6 @39658 has 14 MA's), (Start: 7 @39664 has 1 MA's),

Gene: GrimEater\_63 Start: 40899, Stop: 41108, Start Num: 10

Candidate Starts for GrimEater\_63:

(4, 40824), (5, 40842), (Start: 10 @40899 has 5 MA's), (12, 41052),

Gene: Gumpizza\_62 Start: 39614, Stop: 39856, Start Num: 6

Candidate Starts for Gumpizza\_62:

(3, 39554), (Start: 6 @39614 has 14 MA's), (Start: 7 @39620 has 1 MA's),

Gene: Halsey\_63 Start: 39841, Stop: 40083, Start Num: 6

Candidate Starts for Halsey\_63:

(3, 39781), (Start: 6 @39841 has 14 MA's), (Start: 7 @39847 has 1 MA's),

Gene: Jankie\_64 Start: 41079, Stop: 41288, Start Num: 10

Candidate Starts for Jankie\_64:

(4, 41004), (5, 41022), (Start: 10 @41079 has 5 MA's), (12, 41232),

Gene: Kalimba\_63 Start: 39732, Stop: 39974, Start Num: 6

Candidate Starts for Kalimba\_63:

(3, 39672), (Start: 6 @39732 has 14 MA's), (Start: 7 @39738 has 1 MA's),

Gene: Moss\_63 Start: 39802, Stop: 40044, Start Num: 6

Candidate Starts for Moss\_63:

(3, 39742), (Start: 6 @39802 has 14 MA's), (Start: 7 @39808 has 1 MA's),

Gene: Mysterium\_62 Start: 39643, Stop: 39885, Start Num: 6

Candidate Starts for Mysterium\_62:

(3, 39583), (Start: 6 @39643 has 14 MA's), (Start: 7 @39649 has 1 MA's),

Gene: RockScotty\_62 Start: 39638, Stop: 39880, Start Num: 6

Candidate Starts for RockScotty\_62:

(3, 39578), (Start: 6 @39638 has 14 MA's), (Start: 7 @39644 has 1 MA's),

Gene: Sooty\_63 Start: 39748, Stop: 39990, Start Num: 6

Candidate Starts for Sooty\_63:

(3, 39688), (Start: 6 @39748 has 14 MA's), (Start: 7 @39754 has 1 MA's),

Gene: SpecialK\_63 Start: 39717, Stop: 39953, Start Num: 7

Candidate Starts for SpecialK\_63:

(3, 39651), (Start: 6 @39711 has 14 MA's), (Start: 7 @39717 has 1 MA's),

Gene: Stuu\_63 Start: 39820, Stop: 40062, Start Num: 6

Candidate Starts for Stuu\_63:

(3, 39760), (Start: 6 @39820 has 14 MA's), (Start: 7 @39826 has 1 MA's),