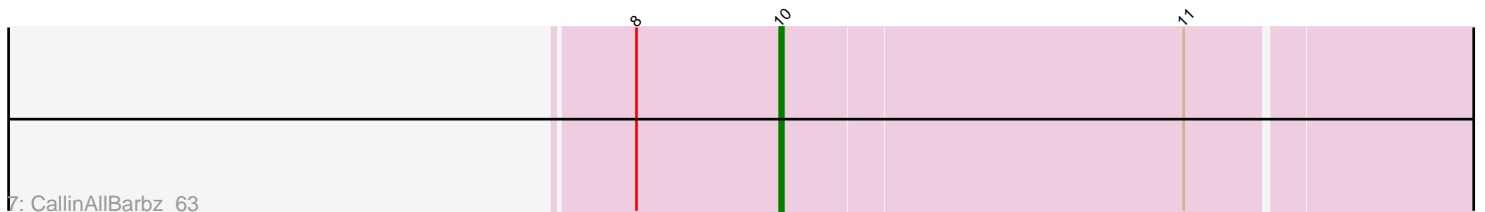
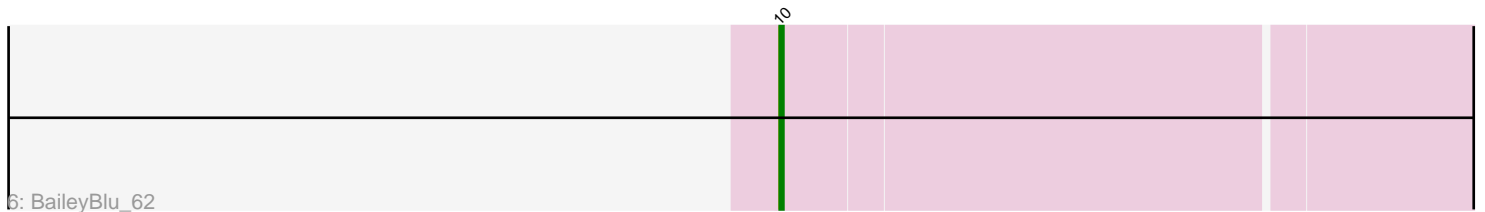
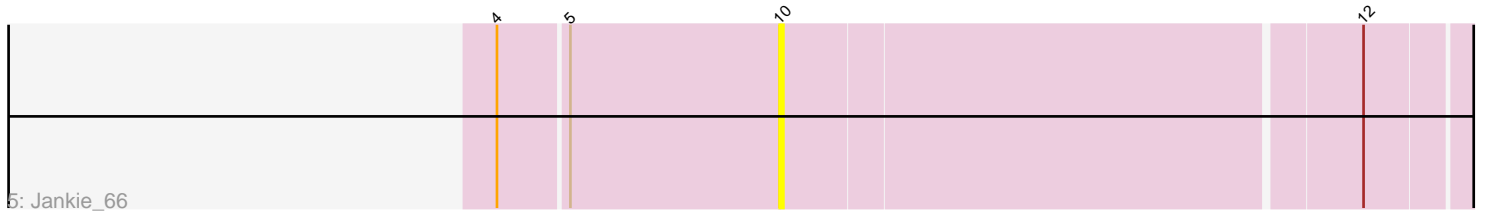
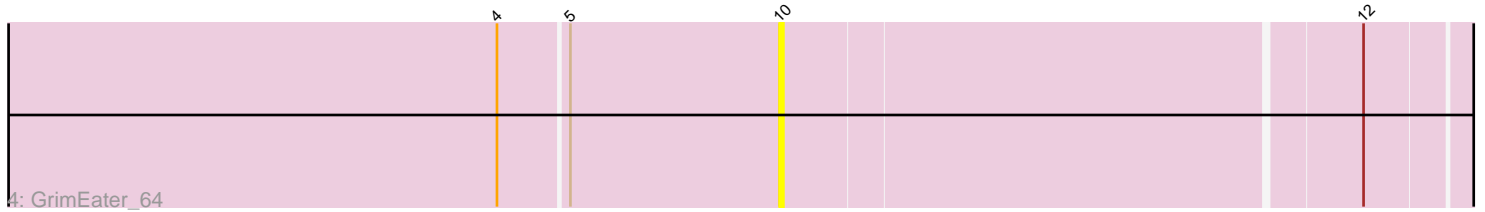
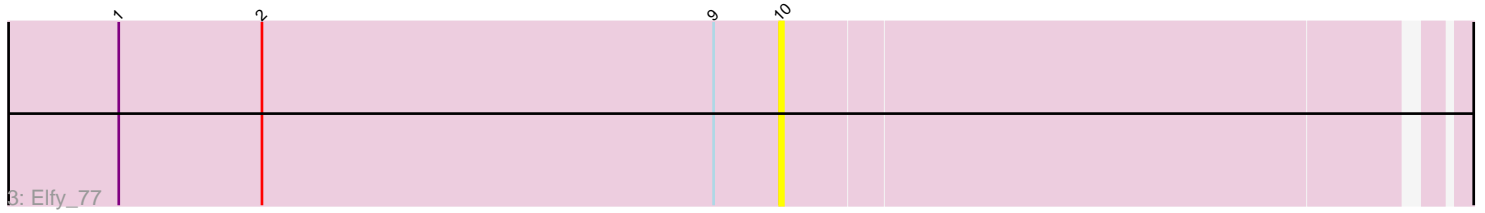
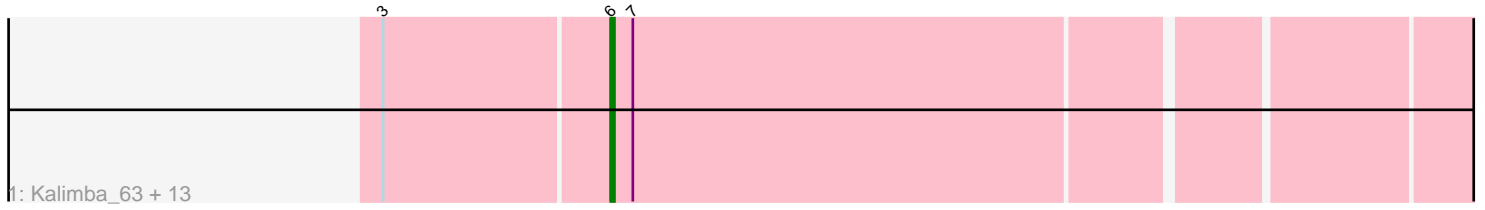


Pham 296967



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 296967 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296967 has 20 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Kalimba_63, Donkey_63, Beaupre_62, Gambol_64, Cappuccino_63, Halsey_63, Gumpizza_62, Sooty_63, Moss_63, Mysterium_62, RockScotty_62, Ashes_63, Giorgio_62, Stuu_63
- Track 2 : SpecialK_63
- Track 3 : Elfy_77
- Track 4 : GrimEater_64
- Track 5 : Jankie_66
- Track 6 : BaileyBlu_62
- 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 17 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_64, Jankie_66,

Summary by start number:

Start 6:

- Found in 15 of 20 (75.0%) of genes in pham
- Manual Annotations of this start: 14 of 17
- 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 17
- 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: 2 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_62 (FP), CallinAllBarbz_63 (FP), Elfy_77 (FP), GrimEater_64 (FP), Jankie_66 (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 2 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 2 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 2 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 2 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_64 Start: 40899, Stop: 41108, Start Num: 10

Candidate Starts for GrimEater_64:

(4, 40824), (5, 40842), (Start: 10 @40899 has 2 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_66 Start: 41079, Stop: 41288, Start Num: 10

Candidate Starts for Jankie_66:

(4, 41004), (5, 41022), (Start: 10 @41079 has 2 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),