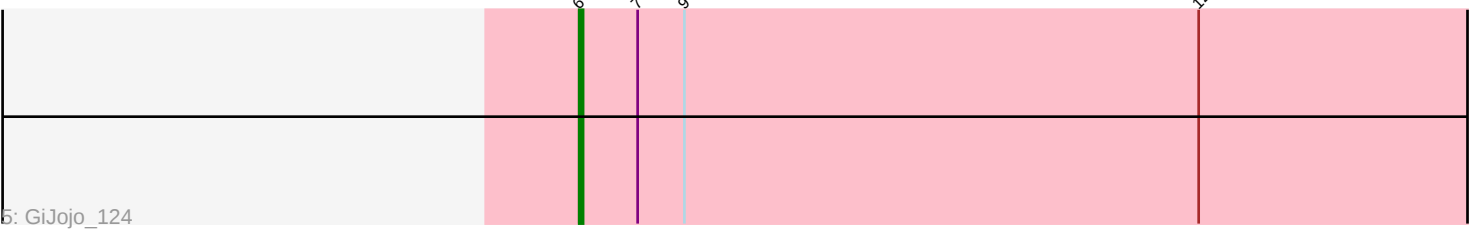
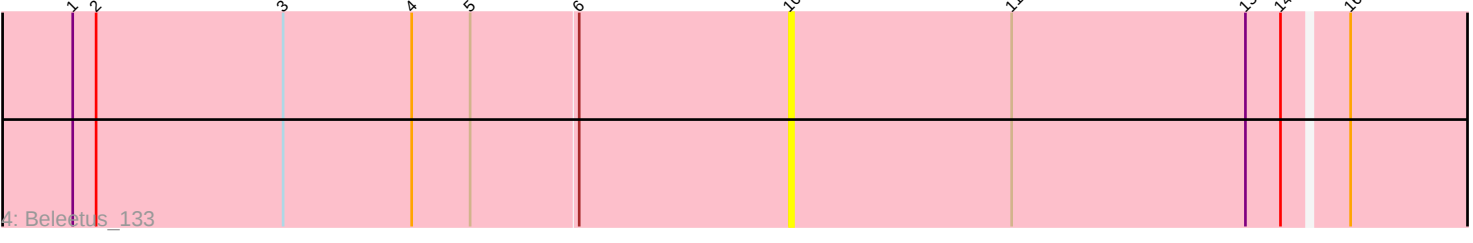
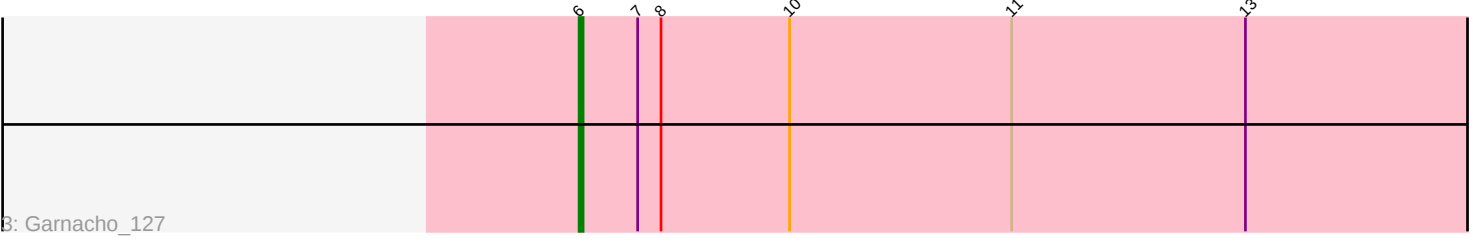
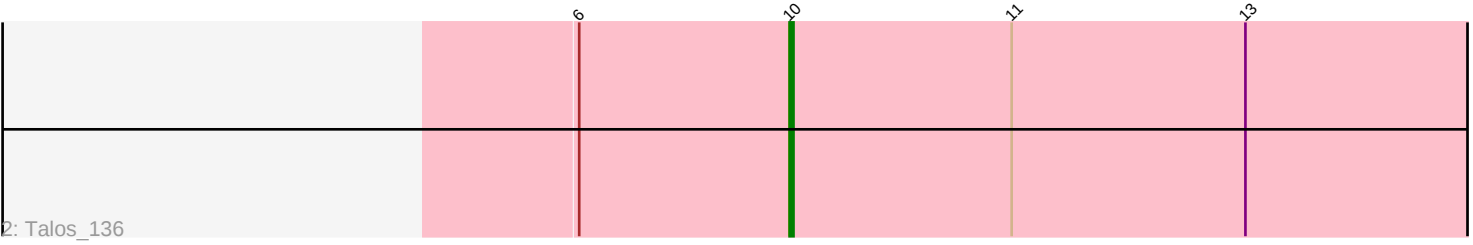
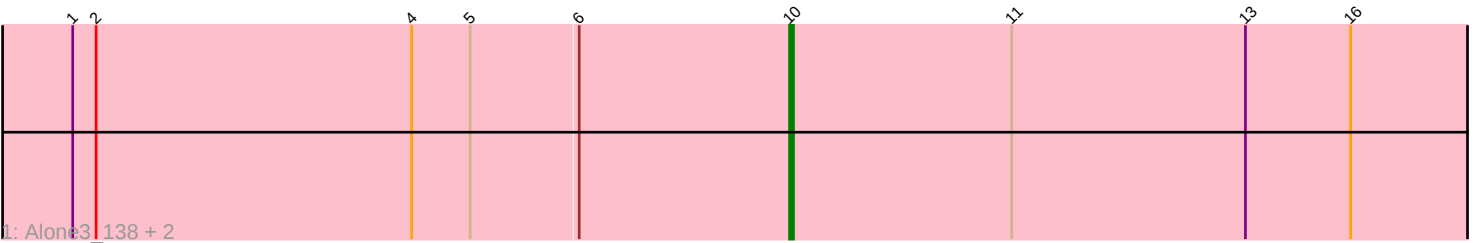


Pham 309830



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 309830 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309830 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Alone3_138, LuckySocke_133, Fudan_131
- Track 2 : Talos_136
- Track 3 : Garnacho_127
- Track 4 : Beleetus_133
- Track 5 : GiJojo_124
- Track 6 : Park1214_135

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3_138, Beleetus_133, Fudan_131, LuckySocke_133, Talos_136,

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

- Garnacho_127, Park1214_135,

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

- GiJojo_124,

Summary by start number:

Start 6:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Garnacho_127 (BS), GiJojo_124 (BS), Park1214_135 (BS),

Start 10:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 71.4% of time when present

- Phage (with cluster) where this start called: Alone3_138 (BS), Beleetus_133 (BS), Fudan_131 (BS), LuckySocle_133 (BS), Talos_136 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:

- Start number 6 was manually annotated 3 times for cluster BS.
- Start number 10 was manually annotated 4 times for cluster BS.

Gene Information:

Gene: Alone3_138 Start: 73761, Stop: 73937, Start Num: 10

Candidate Starts for Alone3_138:

(1, 73578), (2, 73584), (4, 73665), (5, 73680), (Start: 6 @73707 has 3 MA's), (Start: 10 @73761 has 4 MA's), (11, 73818), (13, 73878), (16, 73905),

Gene: Beleetus_133 Start: 71347, Stop: 71520, Start Num: 10

Candidate Starts for Beleetus_133:

(1, 71164), (2, 71170), (3, 71218), (4, 71251), (5, 71266), (Start: 6 @71293 has 3 MA's), (Start: 10 @71347 has 4 MA's), (11, 71404), (13, 71464), (14, 71473), (16, 71488),

Gene: Fudan_131 Start: 71725, Stop: 71901, Start Num: 10

Candidate Starts for Fudan_131:

(1, 71542), (2, 71548), (4, 71629), (5, 71644), (Start: 6 @71671 has 3 MA's), (Start: 10 @71725 has 4 MA's), (11, 71782), (13, 71842), (16, 71869),

Gene: Garnacho_127 Start: 71345, Stop: 71575, Start Num: 6

Candidate Starts for Garnacho_127:

(Start: 6 @71345 has 3 MA's), (7, 71360), (8, 71366), (Start: 10 @71399 has 4 MA's), (11, 71456), (13, 71516),

Gene: GiJojo_124 Start: 72745, Stop: 72972, Start Num: 6

Candidate Starts for GiJojo_124:

(Start: 6 @72745 has 3 MA's), (7, 72760), (9, 72772), (12, 72904),

Gene: LuckySocle_133 Start: 71674, Stop: 71850, Start Num: 10

Candidate Starts for LuckySocle_133:

(1, 71491), (2, 71497), (4, 71578), (5, 71593), (Start: 6 @71620 has 3 MA's), (Start: 10 @71674 has 4 MA's), (11, 71731), (13, 71791), (16, 71818),

Gene: Park1214_135 Start: 72618, Stop: 72845, Start Num: 6

Candidate Starts for Park1214_135:

(5, 72591), (Start: 6 @72618 has 3 MA's), (Start: 10 @72672 has 4 MA's), (11, 72729), (13, 72789), (14, 72798), (15, 72801), (16, 72813),

Gene: Talos_136 Start: 71912, Stop: 72088, Start Num: 10

Candidate Starts for Talos_136:

(Start: 6 @71858 has 3 MA's), (Start: 10 @71912 has 4 MA's), (11, 71969), (13, 72029),