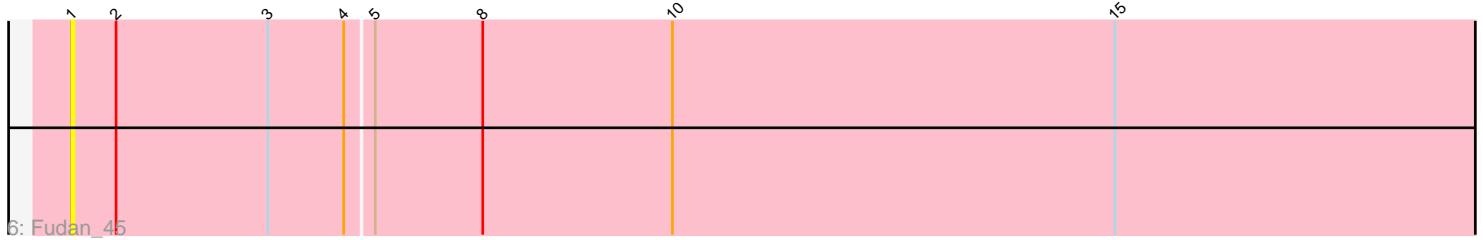
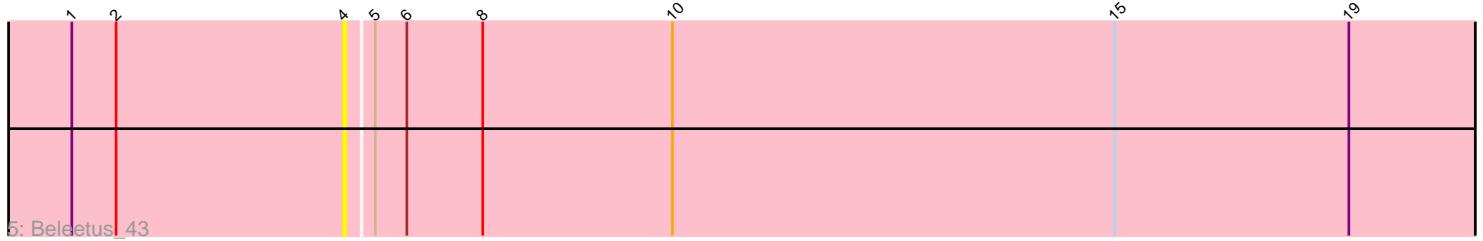
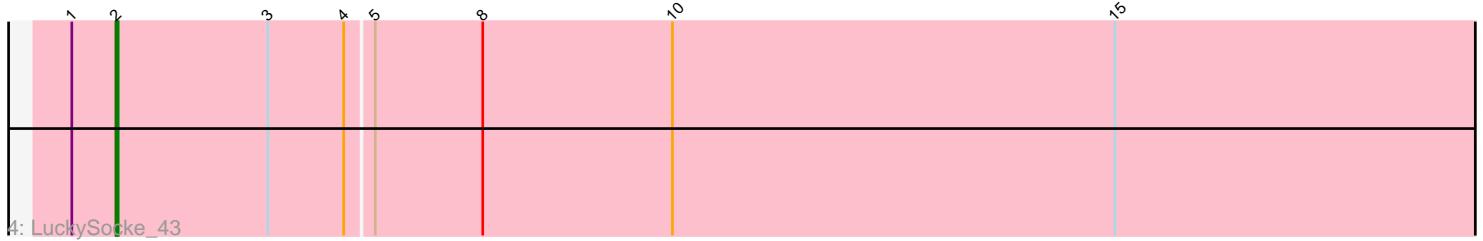
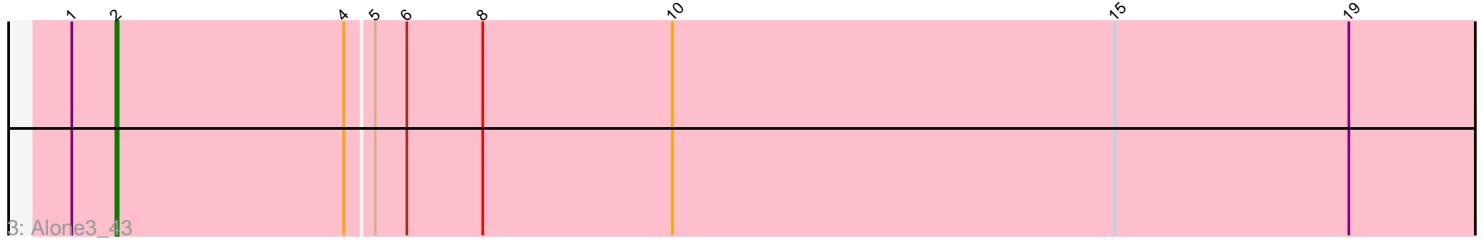
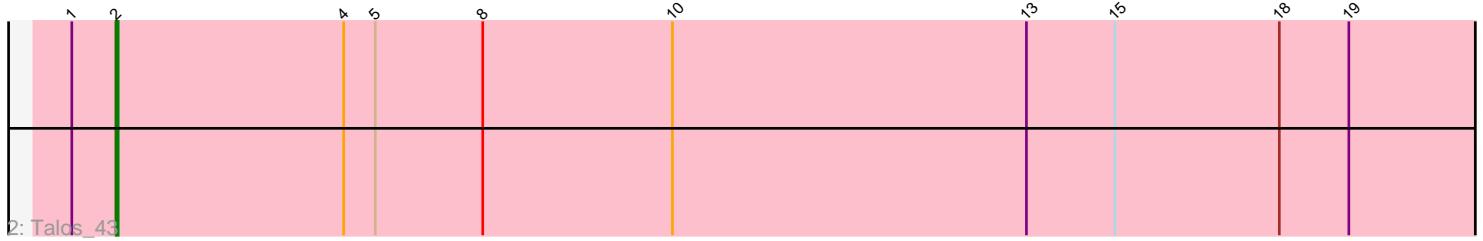
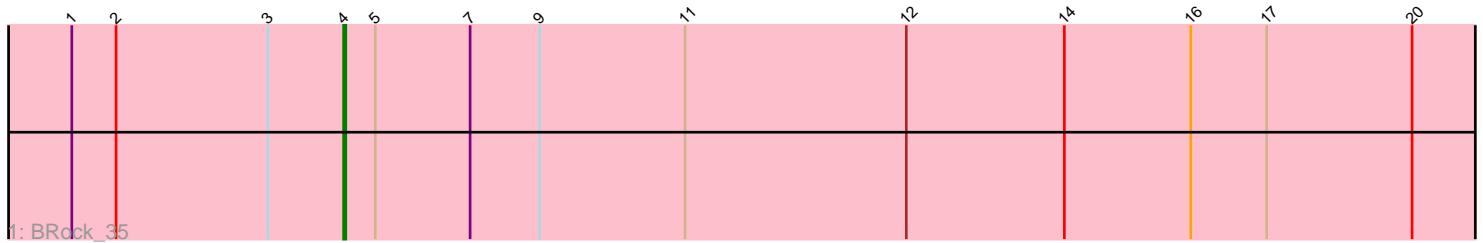


Pham 281281



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 281281 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281281 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : BRock\_35
- Track 2 : Talos\_43
- Track 3 : Alone3\_43
- Track 4 : LuckySocke\_43
- Track 5 : Beleetus\_43
- Track 6 : Fudan\_45

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alone3\_43, LuckySocke\_43, Talos\_43,

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

- BRock\_35, Beleetus\_43, Fudan\_45,

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

- 

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

Start 1:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Fudan\_45 (BS),

Start 2:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Alone3\_43 (BS), LuckySocke\_43 (BS), Talos\_43 (BS),

Start 4:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: BRock\_35 (BS), Beleetus\_43 (BS),

### **Summary by clusters:**

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:

- Start number 2 was manually annotated 3 times for cluster BS.
- Start number 4 was manually annotated 1 time for cluster BS.

### **Gene Information:**

Gene: Alone3\_43 Start: 15416, Stop: 16123, Start Num: 2

Candidate Starts for Alone3\_43:

(1, 15395), (Start: 2 @15416 has 3 MA's), (Start: 4 @15524 has 1 MA's), (5, 15536), (6, 15551), (8, 15587), (10, 15677), (15, 15887), (19, 15998),

Gene: BRock\_35 Start: 12948, Stop: 13547, Start Num: 4

Candidate Starts for BRock\_35:

(1, 12819), (Start: 2 @12840 has 3 MA's), (3, 12912), (Start: 4 @12948 has 1 MA's), (5, 12963), (7, 13008), (9, 13041), (11, 13110), (12, 13215), (14, 13290), (16, 13350), (17, 13386), (20, 13455),

Gene: Beleetus\_43 Start: 15395, Stop: 15994, Start Num: 4

Candidate Starts for Beleetus\_43:

(1, 15266), (Start: 2 @15287 has 3 MA's), (Start: 4 @15395 has 1 MA's), (5, 15407), (6, 15422), (8, 15458), (10, 15548), (15, 15758), (19, 15869),

Gene: Fudan\_45 Start: 15264, Stop: 15989, Start Num: 1

Candidate Starts for Fudan\_45:

(1, 15264), (Start: 2 @15285 has 3 MA's), (3, 15357), (Start: 4 @15393 has 1 MA's), (5, 15405), (8, 15456), (10, 15546), (15, 15756),

Gene: LuckySocke\_43 Start: 15234, Stop: 15938, Start Num: 2

Candidate Starts for LuckySocke\_43:

(1, 15213), (Start: 2 @15234 has 3 MA's), (3, 15306), (Start: 4 @15342 has 1 MA's), (5, 15354), (8, 15405), (10, 15495), (15, 15705),

Gene: Talos\_43 Start: 15366, Stop: 16073, Start Num: 2

Candidate Starts for Talos\_43:

(1, 15345), (Start: 2 @15366 has 3 MA's), (Start: 4 @15474 has 1 MA's), (5, 15489), (8, 15540), (10, 15630), (13, 15798), (15, 15840), (18, 15918), (19, 15951),