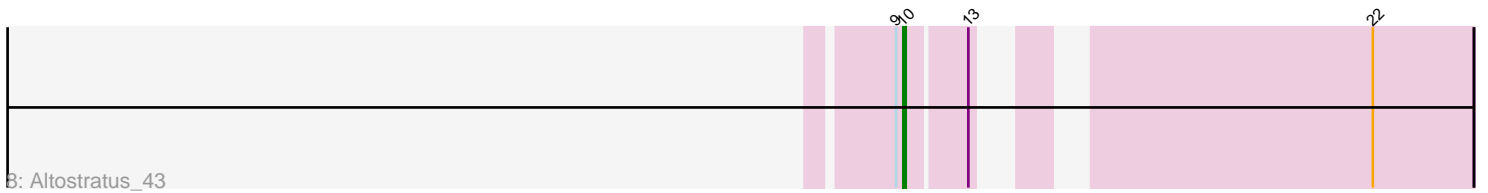
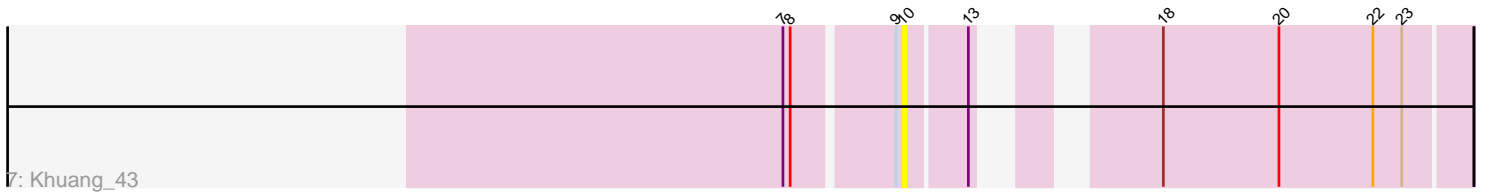
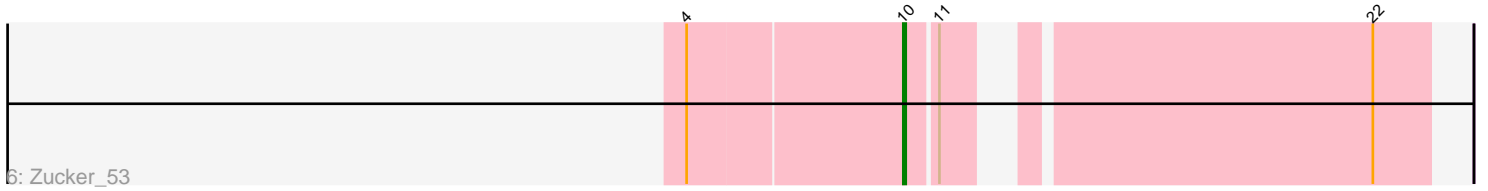
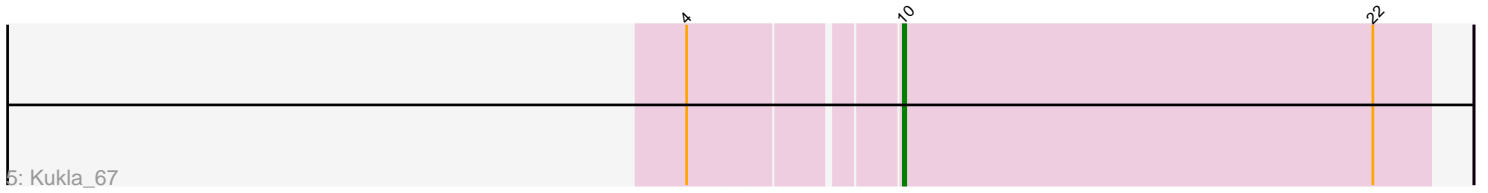
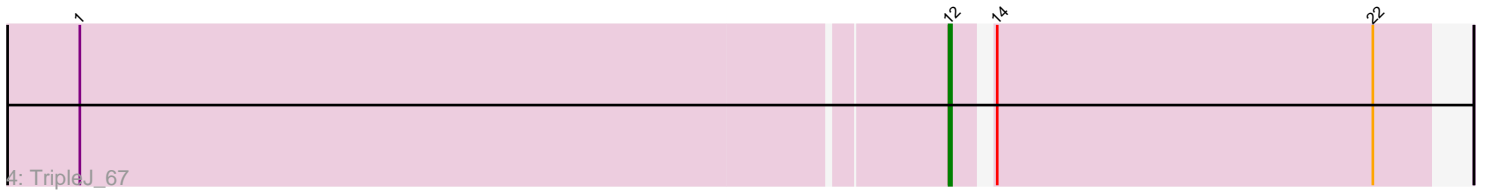
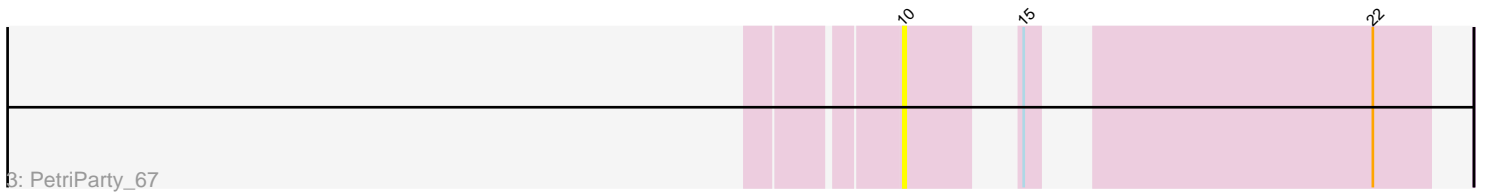
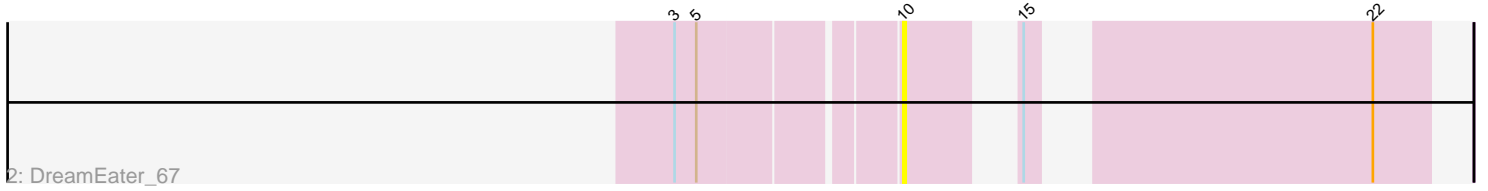
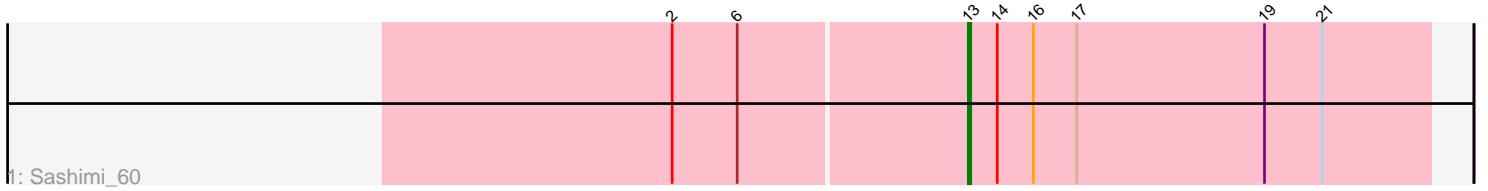


Pham 295391



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 295391 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295391 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sashimi_60
- Track 2 : DreamEater_67
- Track 3 : PetriParty_67
- Track 4 : TripleJ_67
- Track 5 : Kukla_67
- Track 6 : Zucker_53
- Track 7 : Khuang_43
- Track 8 : Altostratus_43

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altostratus_43, DreamEater_67, Khuang_43, Kukla_67, PetriParty_67, Zucker_53,

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

-

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

- Sashimi_60, TripleJ_67,

Summary by start number:

Start 10:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altostratus_43 (FS), DreamEater_67 (FJ), Khuang_43 (FS), Kukla_67 (FJ), PetriParty_67 (FJ), Zucker_53 (FN),

Start 12:

- Found in 1 of 8 (12.5%) of genes in pham

- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TripleJ_67 (FJ),

Start 13:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sashimi_60 (AY),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FJ, FS, FN,

Info for manual annotations of cluster AY:

- Start number 13 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FJ:

- Start number 10 was manually annotated 1 time for cluster FJ.
- Start number 12 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FN:

- Start number 10 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FS:

- Start number 10 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Altostratus_43 Start: 26630, Stop: 26430, Start Num: 10

Candidate Starts for Altostratus_43:

(9, 26633), (Start: 10 @26630 has 3 MA's), (Start: 13 @26606 has 1 MA's), (22, 26471),

Gene: DreamEater_67 Start: 40537, Stop: 40713, Start Num: 10

Candidate Starts for DreamEater_67:

(3, 40453), (5, 40462), (Start: 10 @40537 has 3 MA's), (15, 40567), (22, 40690),

Gene: Khuang_43 Start: 26829, Stop: 26632, Start Num: 10

Candidate Starts for Khuang_43:

(7, 26874), (8, 26871), (9, 26832), (Start: 10 @26829 has 3 MA's), (Start: 13 @26805 has 1 MA's), (18, 26757), (20, 26709), (22, 26670), (23, 26658),

Gene: Kukla_67 Start: 40486, Stop: 40704, Start Num: 10

Candidate Starts for Kukla_67:

(4, 40408), (Start: 10 @40486 has 3 MA's), (22, 40681),

Gene: PetriParty_67 Start: 39654, Stop: 39830, Start Num: 10

Candidate Starts for PetriParty_67:

(Start: 10 @39654 has 3 MA's), (15, 39684), (22, 39807),

Gene: Sashimi_60 Start: 35052, Stop: 35243, Start Num: 13

Candidate Starts for Sashimi_60:

(2, 34932), (6, 34959), (Start: 13 @35052 has 1 MA's), (14, 35064), (16, 35079), (17, 35097), (19, 35175), (21, 35199),

Gene: TripleJ_67 Start: 40089, Stop: 40280, Start Num: 12

Candidate Starts for TripleJ_67:

(1, 39735), (Start: 12 @40089 has 1 MA's), (14, 40101), (22, 40257),

Gene: Zucker_53 Start: 33382, Stop: 33573, Start Num: 10

Candidate Starts for Zucker_53:

(4, 33295), (Start: 10 @33382 has 3 MA's), (11, 33394), (22, 33550),