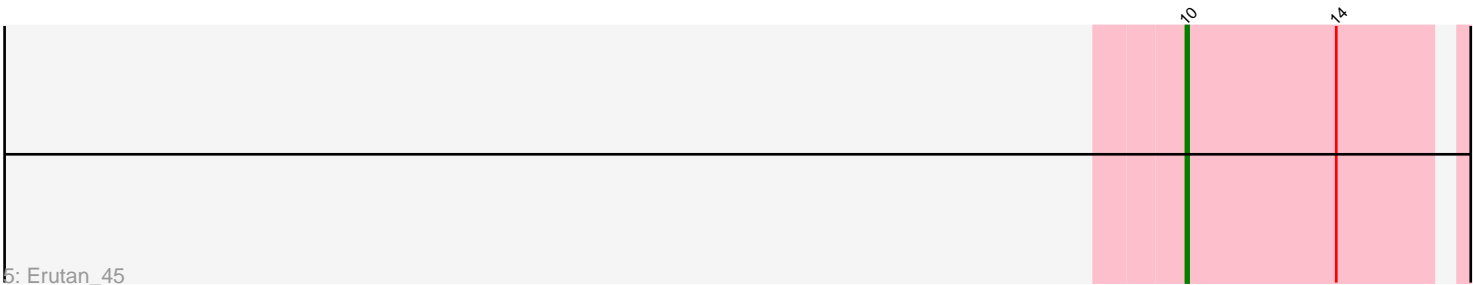
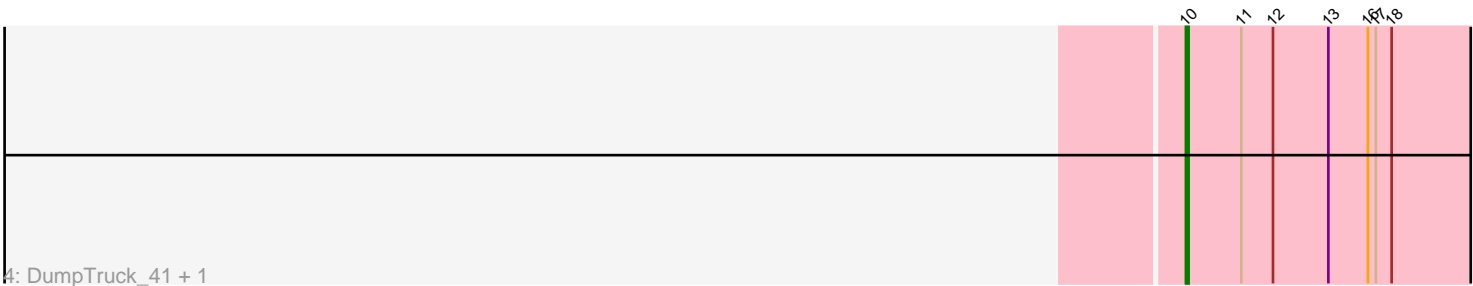
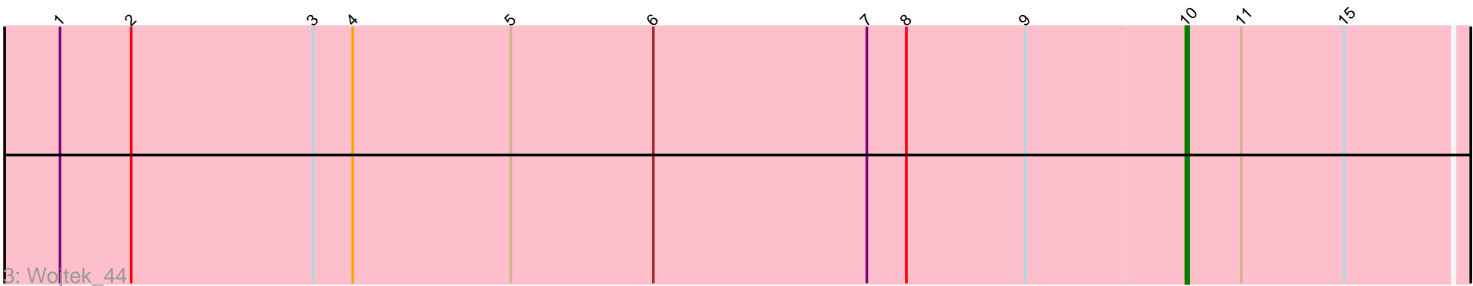
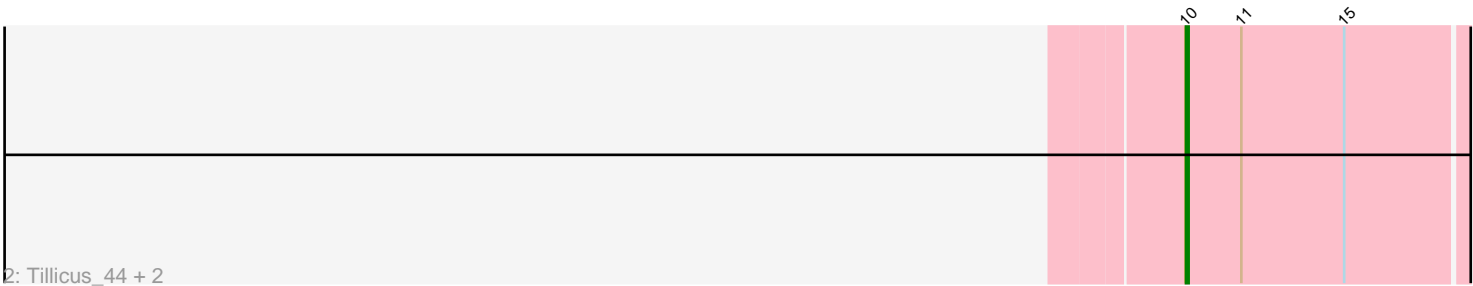
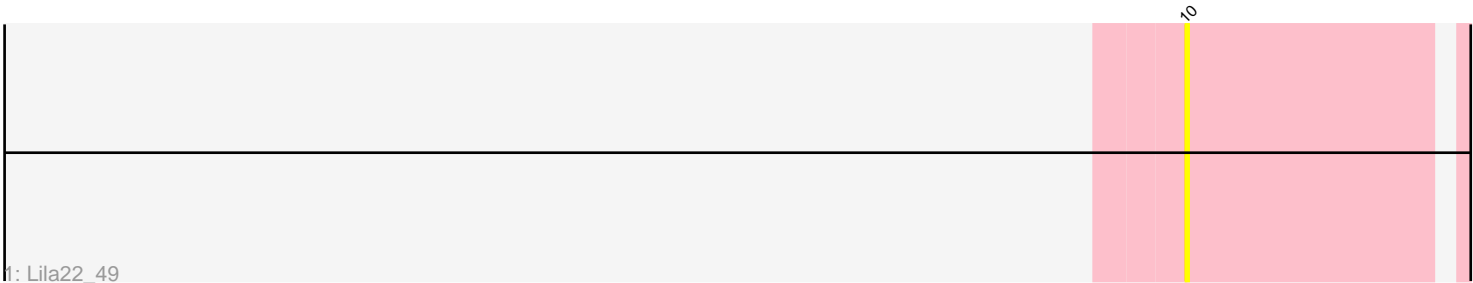


Pham 88113



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 88113 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88113 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Lila22_49
- Track 2 : Tillicus_44, LuckyLeo_44, Apeppi_42
- Track 3 : Wojtek_44
- Track 4 : DumpTruck_41, Xenia2_42
- Track 5 : Erutan_45

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

Genes that call this "Most Annotated" start:

- Apeppi_42, DumpTruck_41, Erutan_45, Lila22_49, LuckyLeo_44, Tillicus_44, Wojtek_44, Xenia2_42,

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

-

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

-

Summary by start number:

Start 10:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apeppi_42 (DV), DumpTruck_41 (DV), Erutan_45 (DV), Lila22_49 (DV), LuckyLeo_44 (DV), Tillicus_44 (DV), Wojtek_44 (DV), Xenia2_42 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

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

Gene Information:

Gene: Apeppi_42 Start: 35100, Stop: 35207, Start Num: 10

Candidate Starts for Apeppi_42:

(Start: 10 @35100 has 5 MA's), (11, 35121), (15, 35160),

Gene: DumpTruck_41 Start: 33599, Stop: 33709, Start Num: 10

Candidate Starts for DumpTruck_41:

(Start: 10 @33599 has 5 MA's), (11, 33620), (12, 33632), (13, 33653), (16, 33668), (17, 33671), (18, 33677),

Gene: Erutan_45 Start: 35172, Stop: 35273, Start Num: 10

Candidate Starts for Erutan_45:

(Start: 10 @35172 has 5 MA's), (14, 35229),

Gene: Lila22_49 Start: 36125, Stop: 36226, Start Num: 10

Candidate Starts for Lila22_49:

(Start: 10 @36125 has 5 MA's),

Gene: LuckyLeo_44 Start: 35100, Stop: 35207, Start Num: 10

Candidate Starts for LuckyLeo_44:

(Start: 10 @35100 has 5 MA's), (11, 35121), (15, 35160),

Gene: Tillicus_44 Start: 35027, Stop: 35134, Start Num: 10

Candidate Starts for Tillicus_44:

(Start: 10 @35027 has 5 MA's), (11, 35048), (15, 35087),

Gene: Wojtek_44 Start: 34967, Stop: 35074, Start Num: 10

Candidate Starts for Wojtek_44:

(1, 34541), (2, 34568), (3, 34637), (4, 34652), (5, 34712), (6, 34766), (7, 34847), (8, 34862), (9, 34907), (Start: 10 @34967 has 5 MA's), (11, 34988), (15, 35027),

Gene: Xenia2_42 Start: 33644, Stop: 33754, Start Num: 10

Candidate Starts for Xenia2_42:

(Start: 10 @33644 has 5 MA's), (11, 33665), (12, 33677), (13, 33698), (16, 33713), (17, 33716), (18, 33722),