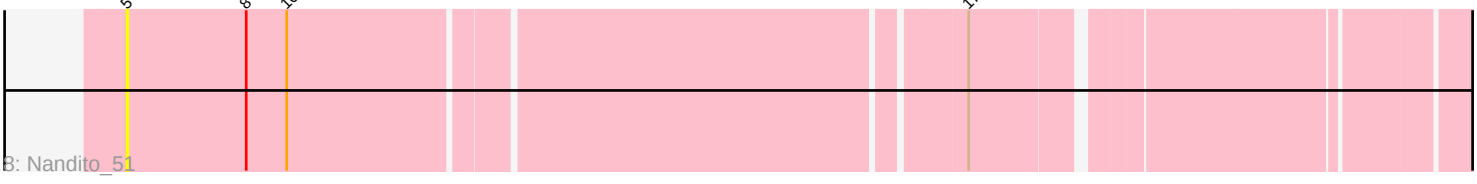
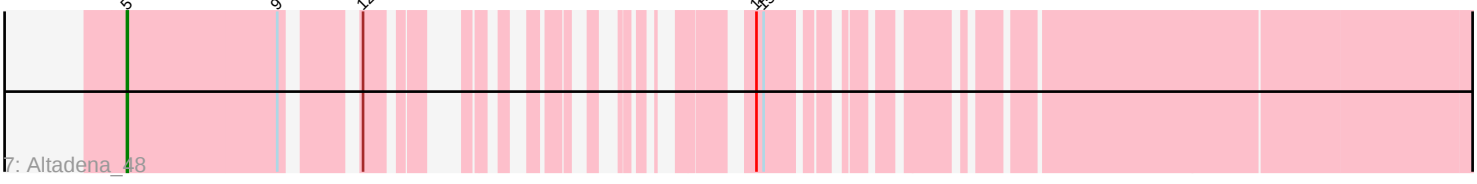
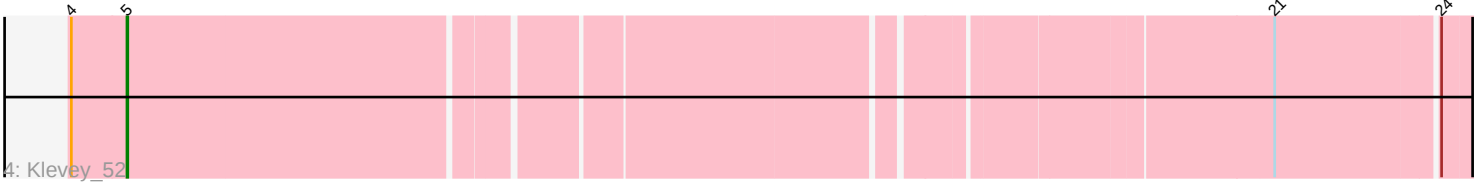
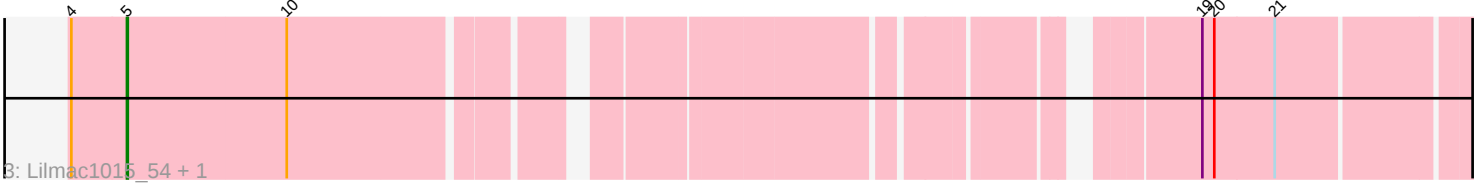
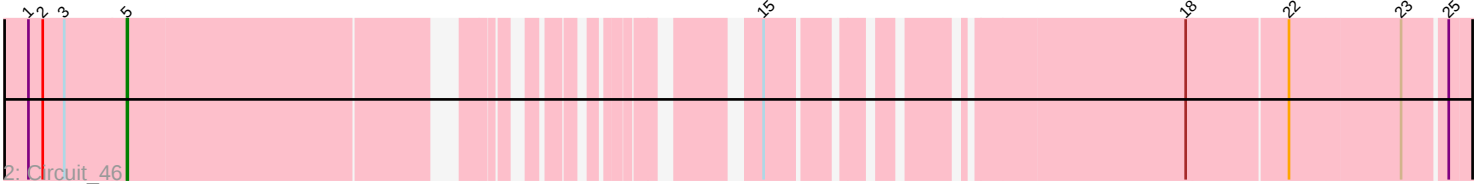
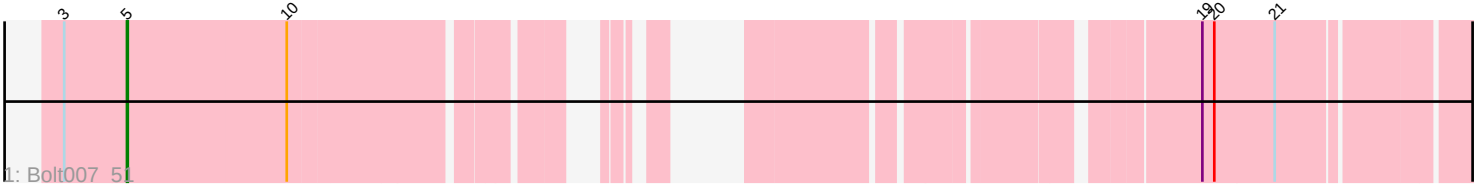


Pham 309856



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 309856 Report

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

Pham number 309856 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bolt007_51
- Track 2 : Circuit_46
- Track 3 : Lilmac1015_54, CalWood4100_54
- Track 4 : Klevey_52
- Track 5 : Bumble_47
- Track 6 : Prairie_51
- Track 7 : Altadena_48
- Track 8 : Nandito_51

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altadena_48, Bolt007_51, Bumble_47, CalWood4100_54, Circuit_46, Klevey_52, Lilmac1015_54, Nandito_51, Prairie_51,

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 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_48 (FH), Bolt007_51 (FH), Bumble_47 (FH), CalWood4100_54 (FH), Circuit_46 (FH), Klevey_52 (FH), Lilmac1015_54 (FH), Nandito_51 (FH), Prairie_51 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:

•Start number 5 was manually annotated 7 times for cluster FH.

Gene Information:

Gene: Altadena_48 Start: 33110, Stop: 34393, Start Num: 5

Candidate Starts for Altadena_48:

(Start: 5 @33110 has 7 MA's), (9, 33293), (12, 33359), (14, 33596), (15, 33605),

Gene: Bolt007_51 Start: 36072, Stop: 37448, Start Num: 5

Candidate Starts for Bolt007_51:

(3, 35994), (Start: 5 @36072 has 7 MA's), (10, 36270), (19, 37119), (20, 37134), (21, 37206),

Gene: Bumble_47 Start: 33459, Stop: 35117, Start Num: 5

Candidate Starts for Bumble_47:

(3, 33381), (Start: 5 @33459 has 7 MA's), (6, 33495), (7, 33519), (11, 33708), (12, 33747), (13, 33960), (16, 34269), (18, 34749),

Gene: CalWood4100_54 Start: 35766, Stop: 37259, Start Num: 5

Candidate Starts for CalWood4100_54:

(4, 35697), (Start: 5 @35766 has 7 MA's), (10, 35964), (19, 36924), (20, 36939), (21, 37011),

Gene: Circuit_46 Start: 34333, Stop: 35757, Start Num: 5

Candidate Starts for Circuit_46:

(1, 34210), (2, 34228), (3, 34255), (Start: 5 @34333 has 7 MA's), (15, 34954), (18, 35398), (22, 35521), (23, 35656), (25, 35707),

Gene: Klevey_52 Start: 35202, Stop: 36785, Start Num: 5

Candidate Starts for Klevey_52:

(4, 35133), (Start: 5 @35202 has 7 MA's), (21, 36531), (24, 36726),

Gene: Lilmac1015_54 Start: 35766, Stop: 37259, Start Num: 5

Candidate Starts for Lilmac1015_54:

(4, 35697), (Start: 5 @35766 has 7 MA's), (10, 35964), (19, 36924), (20, 36939), (21, 37011),

Gene: Nandito_51 Start: 35498, Stop: 37084, Start Num: 5

Candidate Starts for Nandito_51:

(Start: 5 @35498 has 7 MA's), (8, 35645), (10, 35696), (17, 36497),

Gene: Prairie_51 Start: 35013, Stop: 36335, Start Num: 5

Candidate Starts for Prairie_51:

(Start: 5 @35013 has 7 MA's), (8, 35157), (10, 35208), (19, 35994), (20, 36009), (21, 36081), (24, 36276),