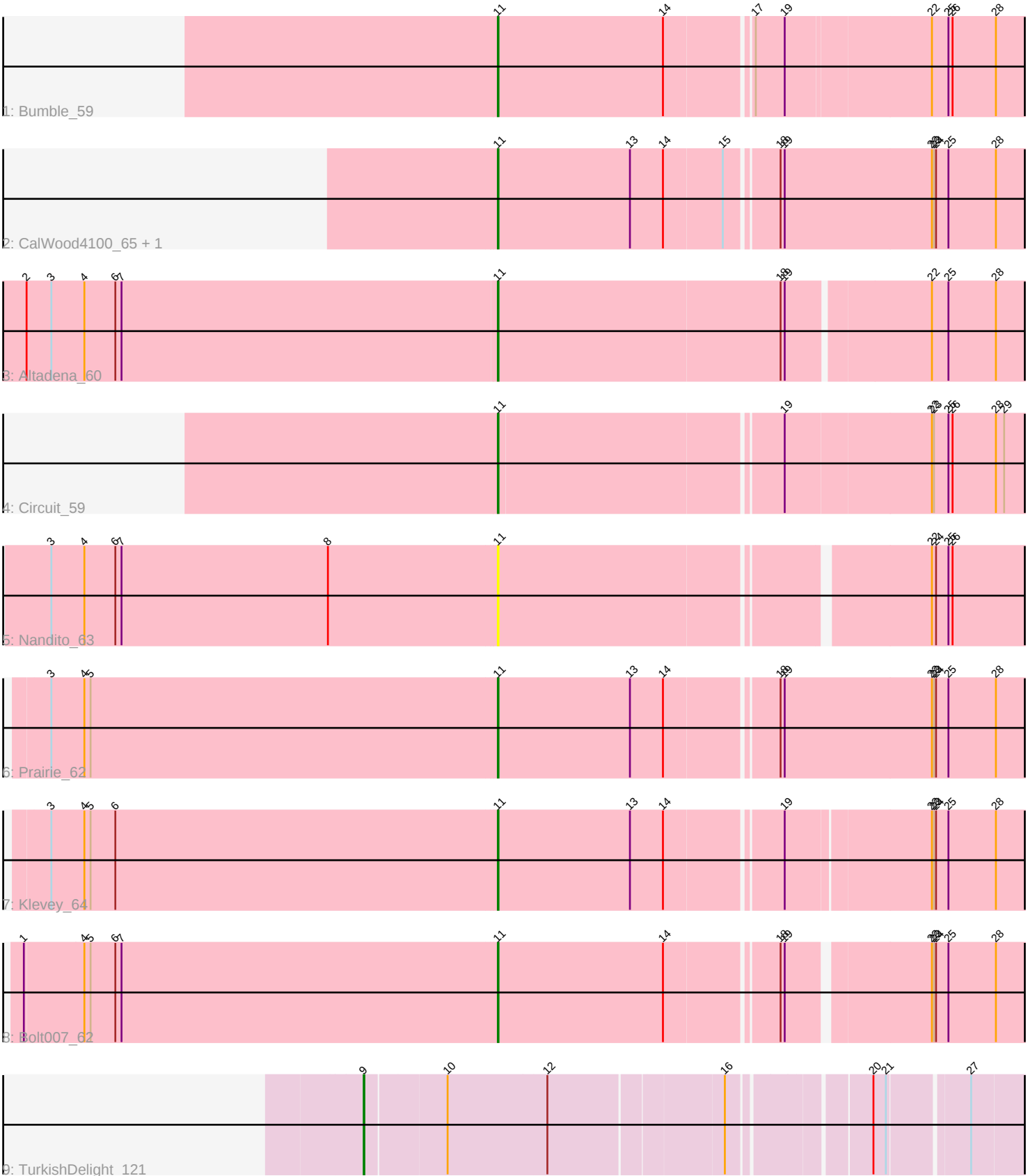


Pham 331483



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 331483 Report

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

Pham number 331483 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bumble_59
- Track 2 : CalWood4100_65, Lilmac1015_65
- Track 3 : Altadena_60
- Track 4 : Circuit_59
- Track 5 : Nandito_63
- Track 6 : Prairie_62
- Track 7 : Klevey_64
- Track 8 : Bolt007_62
- Track 9 : TurkishDelight_121

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

The start number called the most often in the published annotations is 11, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altadena_60, Bolt007_62, Bumble_59, CalWood4100_65, Circuit_59, Klevey_64, Lilmac1015_65, Nandito_63, Prairie_62,

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

-

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

- TurkishDelight_121,

Summary by start number:

Start 9:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TurkishDelight_121 (singleton),

Start 11:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_60 (FH), Bolt007_62 (FH), Bumble_59 (FH), CalWood4100_65 (FH), Circuit_59 (FH), Klevey_64 (FH), Lilmac1015_65 (FH), Nandito_63 (FH), Prairie_62 (FH),

Summary by clusters:

There are 2 clusters represented in this pham: FH, singleton,

Info for manual annotations of cluster FH:

- Start number 11 was manually annotated 7 times for cluster FH.

Gene Information:

Gene: Altadena_60 Start: 38689, Stop: 39465, Start Num: 11

Candidate Starts for Altadena_60:

(2, 38008), (3, 38044), (4, 38092), (6, 38137), (7, 38146), (Start: 11 @38689 has 7 MA's), (18, 39097), (19, 39103), (22, 39301), (25, 39325), (28, 39394),

Gene: Bolt007_62 Start: 40946, Stop: 41710, Start Num: 11

Candidate Starts for Bolt007_62:

(1, 40265), (4, 40349), (5, 40358), (6, 40394), (7, 40403), (Start: 11 @40946 has 7 MA's), (14, 41186), (18, 41339), (19, 41345), (22, 41537), (23, 41540), (24, 41543), (25, 41561), (28, 41630),

Gene: Bumble_59 Start: 39508, Stop: 40269, Start Num: 11

Candidate Starts for Bumble_59:

(Start: 11 @39508 has 7 MA's), (14, 39748), (17, 39865), (19, 39907), (22, 40111), (25, 40135), (26, 40141), (28, 40204),

Gene: CalWood4100_65 Start: 40886, Stop: 41671, Start Num: 11

Candidate Starts for CalWood4100_65:

(Start: 11 @40886 has 7 MA's), (13, 41078), (14, 41126), (15, 41210), (18, 41279), (19, 41285), (22, 41498), (23, 41501), (24, 41504), (25, 41522), (28, 41591),

Gene: Circuit_59 Start: 40042, Stop: 40803, Start Num: 11

Candidate Starts for Circuit_59:

(Start: 11 @40042 has 7 MA's), (19, 40438), (22, 40645), (23, 40648), (25, 40669), (26, 40675), (28, 40738), (29, 40750),

Gene: Klevey_64 Start: 40643, Stop: 41416, Start Num: 11

Candidate Starts for Klevey_64:

(3, 39998), (4, 40046), (5, 40055), (6, 40091), (Start: 11 @40643 has 7 MA's), (13, 40835), (14, 40883), (19, 41042), (22, 41243), (23, 41246), (24, 41249), (25, 41267), (28, 41336),

Gene: Lilmac1015_65 Start: 40886, Stop: 41671, Start Num: 11

Candidate Starts for Lilmac1015_65:

(Start: 11 @40886 has 7 MA's), (13, 41078), (14, 41126), (15, 41210), (18, 41279), (19, 41285), (22, 41498), (23, 41501), (24, 41504), (25, 41522), (28, 41591),

Gene: Nandito_63 Start: 41050, Stop: 41814, Start Num: 11

Candidate Starts for Nandito_63:

(3, 40405), (4, 40453), (6, 40498), (7, 40507), (8, 40807), (Start: 11 @41050 has 7 MA's), (22, 41641), (24, 41647), (25, 41665), (26, 41671),

Gene: Prairie_62 Start: 40182, Stop: 40967, Start Num: 11

Candidate Starts for Prairie_62:

(3, 39537), (4, 39585), (5, 39594), (Start: 11 @40182 has 7 MA's), (13, 40374), (14, 40422), (18, 40575), (19, 40581), (22, 40794), (23, 40797), (24, 40800), (25, 40818), (28, 40887),

Gene: TurkishDelight_121 Start: 88490, Stop: 89365, Start Num: 9

Candidate Starts for TurkishDelight_121:

(Start: 9 @88490 has 1 MA's), (10, 88601), (12, 88742), (16, 88982), (20, 89162), (21, 89180), (27, 89288),