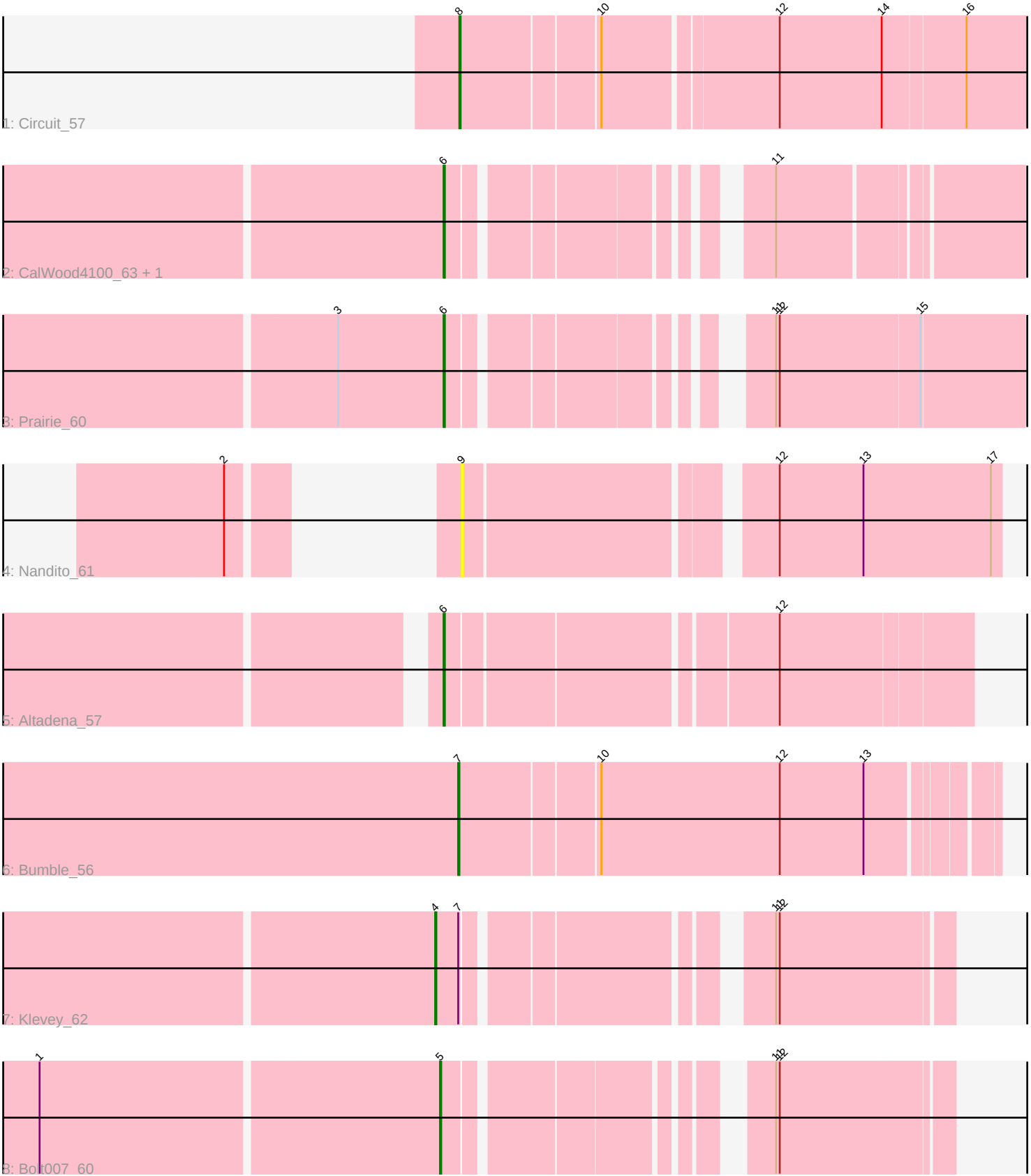


Pham 309823



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 309823 Report

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

Pham number 309823 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Circuit_57
- Track 2 : CalWood4100_63, Lilmac1015_63
- Track 3 : Prairie_60
- Track 4 : Nandito_61
- Track 5 : Altadena_57
- Track 6 : Bumble_56
- Track 7 : Klevey_62
- Track 8 : Bolt007_60

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altadena_57, CalWood4100_63, Lilmac1015_63, Prairie_60,

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

•

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

- Bolt007_60, Bumble_56, Circuit_57, Klevey_62, Nandito_61,

Summary by start number:

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Klevey_62 (FH),

Start 5:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bolt007_60 (FH),

Start 6:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_57 (FH), CalWood4100_63 (FH), Lilmac1015_63 (FH), Prairie_60 (FH),

Start 7:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bumble_56 (FH),

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Circuit_57 (FH),

Start 9:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nandito_61 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:

- Start number 4 was manually annotated 1 time for cluster FH.
- Start number 5 was manually annotated 1 time for cluster FH.
- Start number 6 was manually annotated 3 times for cluster FH.
- Start number 7 was manually annotated 1 time for cluster FH.
- Start number 8 was manually annotated 1 time for cluster FH.

Gene Information:

Gene: Altadena_57 Start: 37191, Stop: 37595, Start Num: 6

Candidate Starts for Altadena_57:

(Start: 6 @37191 has 3 MA's), (12, 37443),

Gene: Bolt007_60 Start: 39856, Stop: 40212, Start Num: 5

Candidate Starts for Bolt007_60:

(1, 39658), (Start: 5 @39856 has 1 MA's), (11, 40072), (12, 40075),

Gene: Bumble_56 Start: 38029, Stop: 38448, Start Num: 7

Candidate Starts for Bumble_56:

(Start: 7 @38029 has 1 MA's), (10, 38137), (12, 38284), (13, 38353),

Gene: CalWood4100_63 Start: 39746, Stop: 40138, Start Num: 6

Candidate Starts for CalWood4100_63:

(Start: 6 @39746 has 3 MA's), (11, 39956),

Gene: Circuit_57 Start: 38841, Stop: 39320, Start Num: 8

Candidate Starts for Circuit_57:

(Start: 8 @38841 has 1 MA's), (10, 38949), (12, 39084), (14, 39168), (16, 39234),

Gene: Klevey_62 Start: 39527, Stop: 39895, Start Num: 4

Candidate Starts for Klevey_62:

(Start: 4 @39527 has 1 MA's), (Start: 7 @39545 has 1 MA's), (11, 39755), (12, 39758),

Gene: Lilmac1015_63 Start: 39746, Stop: 40138, Start Num: 6

Candidate Starts for Lilmac1015_63:

(Start: 6 @39746 has 3 MA's), (11, 39956),

Gene: Nandito_61 Start: 39904, Stop: 40317, Start Num: 9

Candidate Starts for Nandito_61:

(2, 39838), (9, 39904), (12, 40135), (13, 40204), (17, 40309),

Gene: Prairie_60 Start: 39027, Stop: 39434, Start Num: 6

Candidate Starts for Prairie_60:

(3, 38940), (Start: 6 @39027 has 3 MA's), (11, 39234), (12, 39237), (15, 39351),