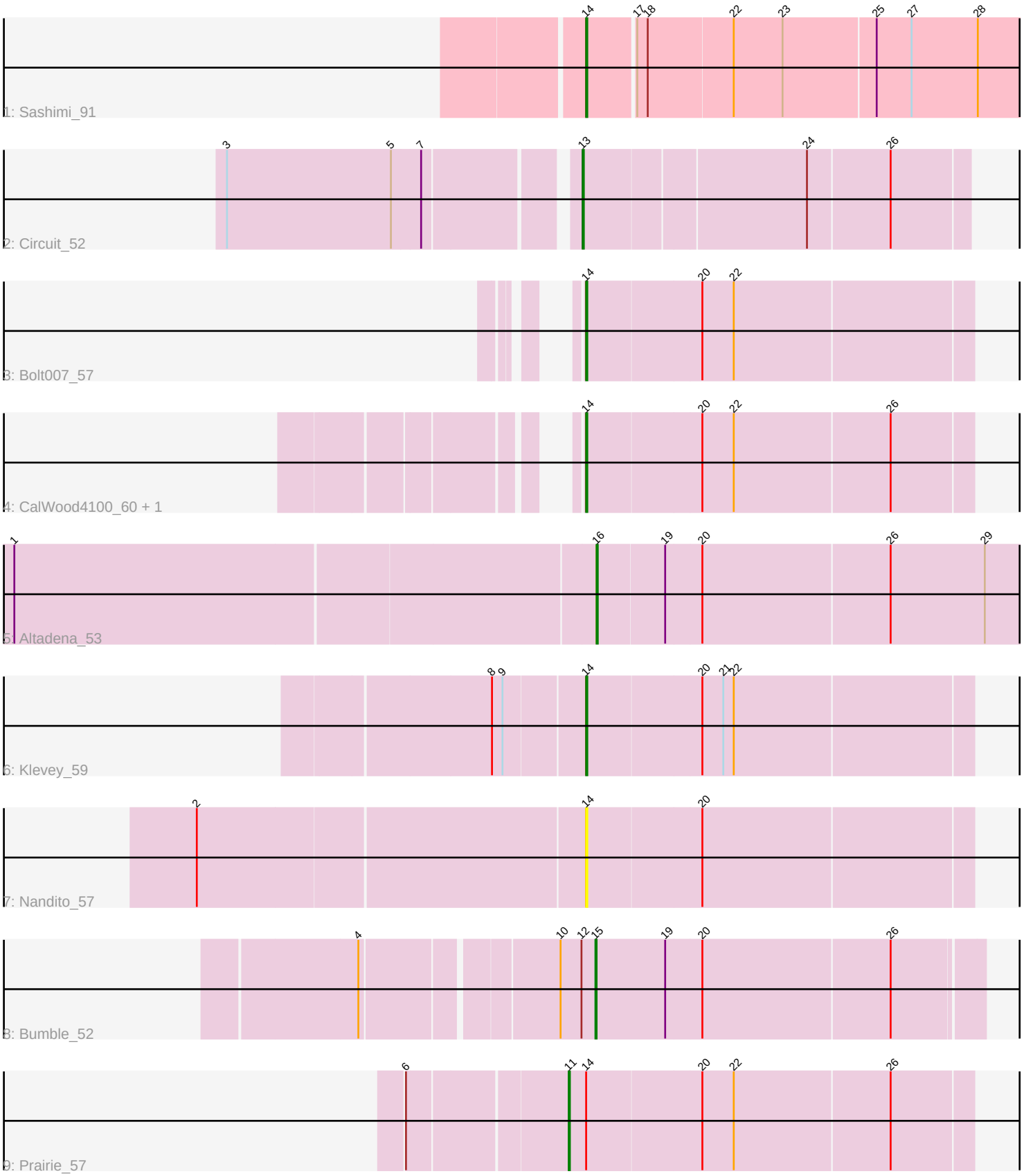
# Pham 303877


14
17
18
22
23
25
27
28
1: Sashimi_91
3
5
7
13
24
26
2: Circuit_52
14
20
22
3: Bolt007_57
14
20
22
26
4: CalWood4100_60 + 1
1
16
19
20
26
29
5: Altadena_53
8
9
14
20
21
22
6: Klevey_59
2
14
20
7: Nandito_57
4
10
12
15
19
20
26
8: Bumble_52
6
11
14
20
22
26
9: Prairie_57

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 303877 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303877 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Sashimi_91
• Track 2 : Circuit_52
• Track 3 : Bolt007_57
• Track 4 : CalWood4100_60, Lilmac1015_60
• Track 5 : Altadena_53
• Track 6 : Klevey_59
• Track 7 : Nandito_57
• Track 8 : Bumble_52
• Track 9 : Prairie_57

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

The start number called the most often in the published annotations is 14, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bolt007_57, CalWood4100_60, Klevey_59, Lilmac1015_60, Nandito_57, Sashimi_91,

Genes that have the "Most Annotated" start but do not call it:
• Prairie_57,

Genes that do not have the "Most Annotated" start:
• Altadena_53, Bumble_52, Circuit_52,

**Summary by start number:**

Start 11:
• 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: Prairie_57 (FH),

Start 13:

• 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: Circuit_52 (FH),

Start 14:
• Found in 7 of 10 ( 70.0% ) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Bolt007_57 (FH), CalWood4100_60 (FH), Klevey_59 (FH), Lilmac1015_60 (FH), Nandito_57 (FH), Sashimi_91 (AY),

Start 15:
• 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: Bumble_52 (FH),

Start 16:
• 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: Altadena_53 (FH),

**Summary by clusters:**

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

Info for manual annotations of cluster AY:
•Start number 14 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FH:
•Start number 11 was manually annotated 1 time for cluster FH.
•Start number 13 was manually annotated 1 time for cluster FH.
•Start number 14 was manually annotated 3 times for cluster FH.
•Start number 15 was manually annotated 1 time for cluster FH.
•Start number 16 was manually annotated 1 time for cluster FH.

***Gene Information:***

Gene: Altadena_53 Start: 35869, Stop: 36234, Start Num: 16
Candidate Starts for Altadena_53:
(1, 35380), (Start: 16 @35869 has 1 MA's), (19, 35926), (20, 35956), (26, 36115), (29, 36196),

Gene: Bolt007_57 Start: 39029, Stop: 39352, Start Num: 14
Candidate Starts for Bolt007_57:
(Start: 14 @39029 has 4 MA's), (20, 39125), (22, 39152),

Gene: Bumble_52 Start: 36806, Stop: 37129, Start Num: 15
Candidate Starts for Bumble_52:

(4, 36620), (10, 36776), (12, 36794), (Start: 15 @36806 has 1 MA's), (19, 36866), (20, 36896), (26, 37055),

Gene: CalWood4100_60 Start: 38925, Stop: 39248, Start Num: 14
Candidate Starts for CalWood4100_60:
(Start: 14 @38925 has 4 MA's), (20, 39021), (22, 39048), (26, 39180),

Gene: Circuit_52 Start: 37364, Stop: 37681, Start Num: 13
Candidate Starts for Circuit_52:
(3, 37082), (5, 37223), (7, 37247), (Start: 13 @37364 has 1 MA's), (24, 37547), (26, 37616),

Gene: Klevey_59 Start: 38706, Stop: 39029, Start Num: 14
Candidate Starts for Klevey_59:
(8, 38631), (9, 38640), (Start: 14 @38706 has 4 MA's), (20, 38802), (21, 38820), (22, 38829),

Gene: Lilmac1015_60 Start: 38925, Stop: 39248, Start Num: 14
Candidate Starts for Lilmac1015_60:
(Start: 14 @38925 has 4 MA's), (20, 39021), (22, 39048), (26, 39180),

Gene: Nandito_57 Start: 38704, Stop: 39027, Start Num: 14
Candidate Starts for Nandito_57:
(2, 38380), (Start: 14 @38704 has 4 MA's), (20, 38800),

Gene: Prairie_57 Start: 38056, Stop: 38394, Start Num: 11
Candidate Starts for Prairie_57:
(6, 37927), (Start: 11 @38056 has 1 MA's), (Start: 14 @38071 has 4 MA's), (20, 38167), (22, 38194), (26, 38326),

Gene: Sashimi_91 Start: 49881, Stop: 50243, Start Num: 14
Candidate Starts for Sashimi_91:
(Start: 14 @49881 has 4 MA's), (17, 49920), (18, 49929), (22, 50001), (23, 50043), (25, 50121), (27, 50151), (28, 50208),