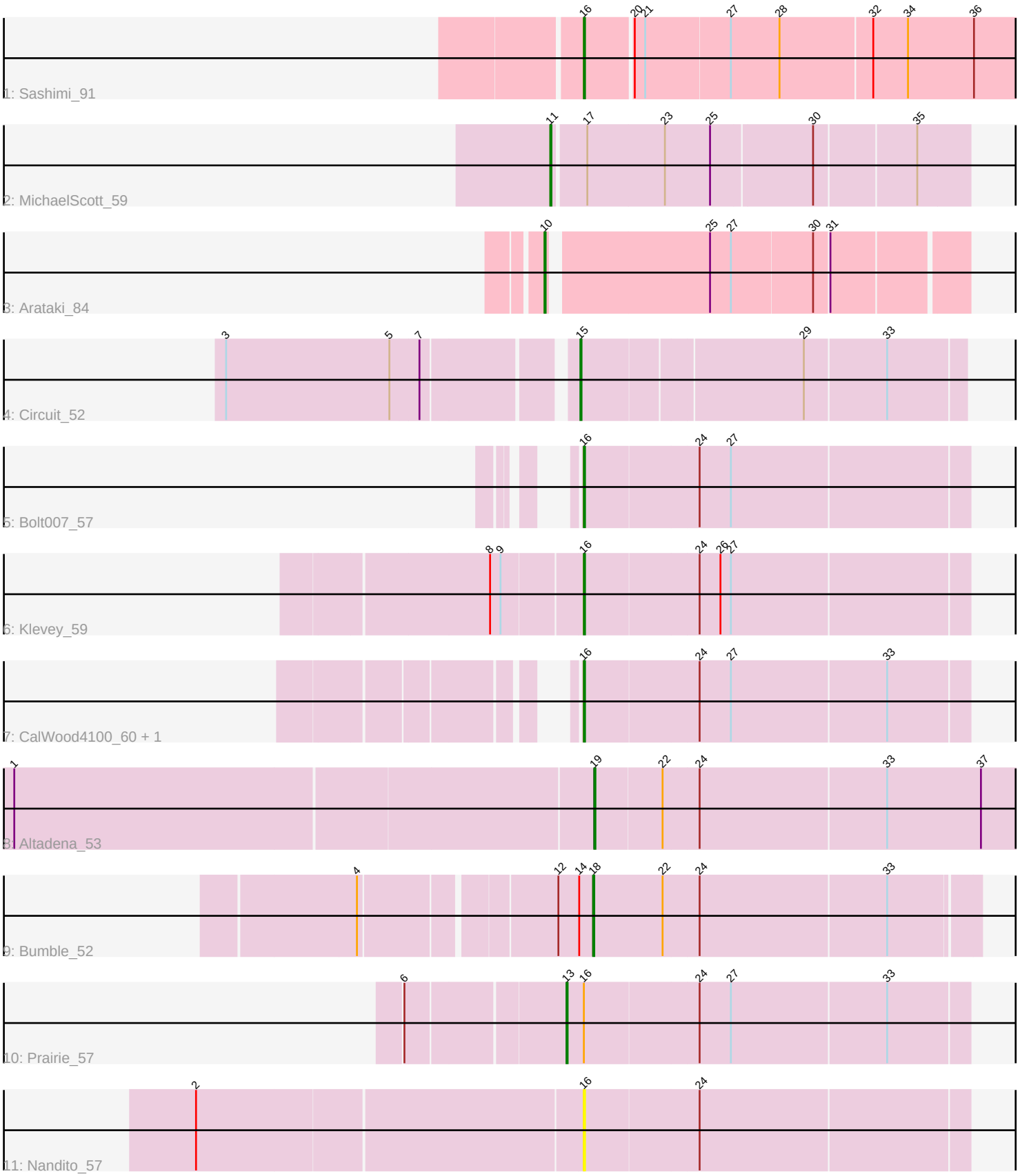
Pham 346319


16
20
21
27
28
32
34
36
1: Sashimi_91
11
17
23
25
30
35
2: MichaelScott_59
10
25
27
30
31
3: Arataki_84
3
5
7
15
29
33
4: Circuit_52
16
24
27
5: Bolt007_57
8
9
16
24
26
27
6: Klevey_59
16
24
27
33
7: CalWood4100_60 + 1
1
19
22
24
33
37
8: Altadena_53
4
12
14
18
22
24
33
9: Bumble_52
6
13
16
24
27
33
10: Prairie_57
2
16
24
11: Nandito_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 346319 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346319 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Sashimi_91
• Track 2 : MichaelScott_59
• Track 3 : Arataki_84
• Track 4 : Circuit_52
• Track 5 : Bolt007_57
• Track 6 : Klevey_59
• Track 7 : CalWood4100_60, Lilmac1015_60
• Track 8 : Altadena_53
• Track 9 : Bumble_52
• Track 10 : Prairie_57
• Track 11 : Nandito_57

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

The start number called the most often in the published annotations is 16, it was called in 4 of the 10 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, Arataki_84, Bumble_52, Circuit_52, MichaelScott_59,

Summary by start number:

Start 10:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arataki_84 (DJ),

Start 11:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MichaelScott_59 (CZ4),

Start 13:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Prairie_57 (FH),

Start 15:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Circuit_52 (FH),

Start 16:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 4 of 10
• 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 18:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bumble_52 (FH),

Start 19:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altadena_53 (FH),

Summary by clusters:

There are 4 clusters represented in this pham: FH, AY, DJ, CZ4,

Info for manual annotations of cluster AY:
•Start number 16 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster CZ4:
•Start number 11 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DJ:
•Start number 10 was manually annotated 1 time for cluster DJ.

Info for manual annotations of cluster FH:
•Start number 13 was manually annotated 1 time for cluster FH.

•Start number 15 was manually annotated 1 time for cluster FH.
•Start number 16 was manually annotated 3 times for cluster FH.
•Start number 18 was manually annotated 1 time for cluster FH.
•Start number 19 was manually annotated 1 time for cluster FH.

Gene Information:

Gene: Altadena_53 Start: 35869, Stop: 36234, Start Num: 19
Candidate Starts for Altadena_53:
(1, 35380), (Start: 19 @35869 has 1 MA's), (22, 35926), (24, 35956), (33, 36115), (37, 36196),

Gene: Arataki_84 Start: 53899, Stop: 54237, Start Num: 10
Candidate Starts for Arataki_84:
(Start: 10 @53899 has 1 MA's), (25, 54028), (27, 54046), (30, 54115), (31, 54127),

Gene: Bolt007_57 Start: 39029, Stop: 39352, Start Num: 16
Candidate Starts for Bolt007_57:
(Start: 16 @39029 has 4 MA's), (24, 39125), (27, 39152),

Gene: Bumble_52 Start: 36806, Stop: 37129, Start Num: 18
Candidate Starts for Bumble_52:
(4, 36620), (12, 36776), (14, 36794), (Start: 18 @36806 has 1 MA's), (22, 36866), (24, 36896), (33, 37055),

Gene: CalWood4100_60 Start: 38925, Stop: 39248, Start Num: 16
Candidate Starts for CalWood4100_60:
(Start: 16 @38925 has 4 MA's), (24, 39021), (27, 39048), (33, 39180),

Gene: Circuit_52 Start: 37364, Stop: 37681, Start Num: 15
Candidate Starts for Circuit_52:
(3, 37082), (5, 37223), (7, 37247), (Start: 15 @37364 has 1 MA's), (29, 37547), (33, 37616),

Gene: Klevey_59 Start: 38706, Stop: 39029, Start Num: 16
Candidate Starts for Klevey_59:
(8, 38631), (9, 38640), (Start: 16 @38706 has 4 MA's), (24, 38802), (26, 38820), (27, 38829),

Gene: Lilmac1015_60 Start: 38925, Stop: 39248, Start Num: 16
Candidate Starts for Lilmac1015_60:
(Start: 16 @38925 has 4 MA's), (24, 39021), (27, 39048), (33, 39180),

Gene: MichaelScott_59 Start: 40628, Stop: 40972, Start Num: 11
Candidate Starts for MichaelScott_59:
(Start: 11 @40628 has 1 MA's), (17, 40655), (23, 40721), (25, 40760), (30, 40844), (35, 40928),

Gene: Nandito_57 Start: 38704, Stop: 39027, Start Num: 16
Candidate Starts for Nandito_57:
(2, 38380), (Start: 16 @38704 has 4 MA's), (24, 38800),

Gene: Prairie_57 Start: 38056, Stop: 38394, Start Num: 13
Candidate Starts for Prairie_57:

(6, 37927), (Start: 13 @38056 has 1 MA's), (Start: 16 @38071 has 4 MA's), (24, 38167), (27, 38194), (33, 38326),

Gene: Sashimi_91 Start: 49881, Stop: 50243, Start Num: 16
Candidate Starts for Sashimi_91:
(Start: 16 @49881 has 4 MA's), (20, 49920), (21, 49929), (27, 50001), (28, 50043), (32, 50121), (34, 50151), (36, 50208),