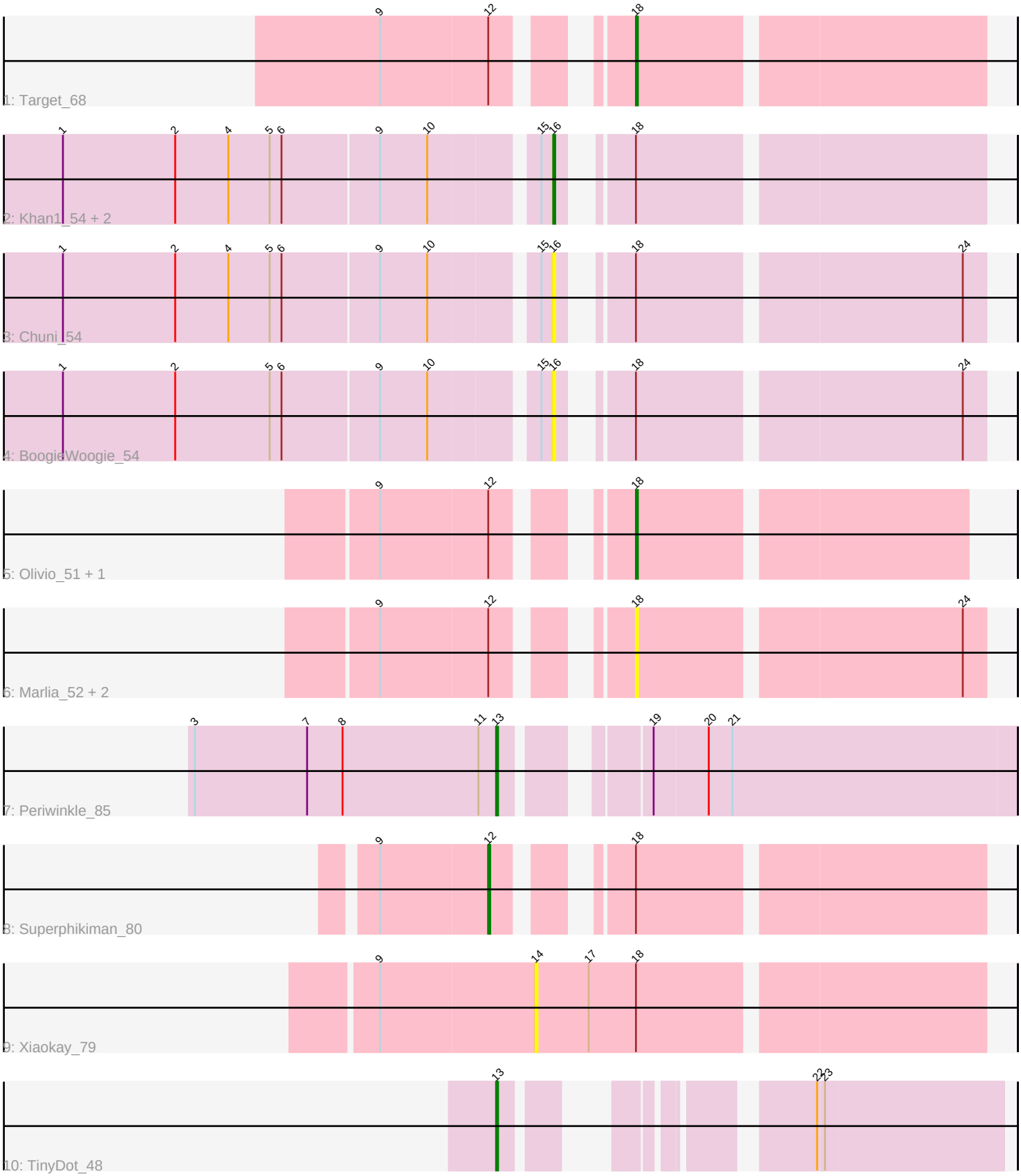
Pham 303756


9
12
18
1: Target_68
1
2
4
5
6
9
10
15
16
18
2: Khan1_54 + 2
1
2
4
5
6
9
10
15
16
18
24
3: Chuni_54
1
2
5
6
9
10
15
16
18
24
4: BoogieWoogie_54
9
12
18
5: Olivio_51 + 1
9
12
18
24
6: Marlia_52 + 2
3
7
8
11
13
19
20
21
7: Periwinkle_85
9
12
18
8: Superphikiman_80
9
14
17
18
9: Xiaokay_79
13
22
23
10: TinyDot_48

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 303756 Report

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

Pham number 303756 has 15 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Target_68
• Track 2 : Khan1_54, Gwilliam_54, DolOn_57
• Track 3 : Chuni_54
• Track 4 : BoogieWoogie_54
• Track 5 : Olivio_51, Heathcliff_51
• Track 6 : Marlia_52, SlippinJimmy_53, Mulaychimus_52
• Track 7 : Periwinkle_85
• Track 8 : Superphikiman_80
• Track 9 : Xiaokay_79
• Track 10 : TinyDot_48

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Periwinkle_85, TinyDot_48,

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

Genes that do not have the "Most Annotated" start:
• BoogieWoogie_54, Chuni_54, DolOn_57, Gwilliam_54, Heathcliff_51, Khan1_54, Marlia_52, Mulaychimus_52, Olivio_51, SlippinJimmy_53, Superphikiman_80, Target_68, Xiaokay_79,

Summary by start number:

Start 12:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Superphikiman_80 (J),

Start 13:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Periwinkle_85 (DN1), TinyDot_48 (singleton),

Start 14:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xiaokay_79 (J),

Start 16:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoogieWoogie_54 (B1), Chuni_54 (B1), DolOn_57 (B1), Gwilliam_54 (B1), Khan1_54 (B1),

Start 18:
• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 46.2% of time when present
• Phage (with cluster) where this start called: Heathcliff_51 (B3), Marlia_52 (B3), Mulaychimus_52 (B3), Olivio_51 (B3), SlippinJimmy_53 (B3), Target_68 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, J, A1, DN1, B1, B3,

Info for manual annotations of cluster A1:
•Start number 18 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster B1:
•Start number 16 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B3:
•Start number 18 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster DN1:
•Start number 13 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster J:
•Start number 12 was manually annotated 1 time for cluster J.

Gene Information:

Gene: BoogieWoogie_54 Start: 47559, Stop: 47368, Start Num: 16
Candidate Starts for BoogieWoogie_54:

(1, 47796), (2, 47739), (5, 47691), (6, 47685), (9, 47637), (10, 47613), (15, 47565), (Start: 16 @47559 has 1 MA's), (Start: 18 @47535 has 2 MA's), (24, 47379),

Gene: Chuni_54 Start: 48106, Stop: 47915, Start Num: 16
Candidate Starts for Chuni_54:
(1, 48343), (2, 48286), (4, 48259), (5, 48238), (6, 48232), (9, 48184), (10, 48160), (15, 48112), (Start: 16 @48106 has 1 MA's), (Start: 18 @48082 has 2 MA's), (24, 47926),

Gene: DolOn_57 Start: 48236, Stop: 48045, Start Num: 16
Candidate Starts for DolOn_57:
(1, 48473), (2, 48416), (4, 48389), (5, 48368), (6, 48362), (9, 48314), (10, 48290), (15, 48242), (Start: 16 @48236 has 1 MA's), (Start: 18 @48212 has 2 MA's),

Gene: Gwilliam_54 Start: 47871, Stop: 47680, Start Num: 16
Candidate Starts for Gwilliam_54:
(1, 48108), (2, 48051), (4, 48024), (5, 48003), (6, 47997), (9, 47949), (10, 47925), (15, 47877), (Start: 16 @47871 has 1 MA's), (Start: 18 @47847 has 2 MA's),

Gene: Heathcliff_51 Start: 45274, Stop: 45107, Start Num: 18
Candidate Starts for Heathcliff_51:
(9, 45376), (Start: 12 @45322 has 1 MA's), (Start: 18 @45274 has 2 MA's),

Gene: Khan1_54 Start: 47495, Stop: 47304, Start Num: 16
Candidate Starts for Khan1_54:
(1, 47732), (2, 47675), (4, 47648), (5, 47627), (6, 47621), (9, 47573), (10, 47549), (15, 47501), (Start: 16 @47495 has 1 MA's), (Start: 18 @47471 has 2 MA's),

Gene: Marlia_52 Start: 45756, Stop: 45589, Start Num: 18
Candidate Starts for Marlia_52:
(9, 45858), (Start: 12 @45804 has 1 MA's), (Start: 18 @45756 has 2 MA's), (24, 45600),

Gene: Mulaychimus_52 Start: 45738, Stop: 45571, Start Num: 18
Candidate Starts for Mulaychimus_52:
(9, 45840), (Start: 12 @45786 has 1 MA's), (Start: 18 @45738 has 2 MA's), (24, 45582),

Gene: Olivio_51 Start: 45617, Stop: 45459, Start Num: 18
Candidate Starts for Olivio_51:
(9, 45719), (Start: 12 @45665 has 1 MA's), (Start: 18 @45617 has 2 MA's),

Gene: Periwinkle_85 Start: 46796, Stop: 47035, Start Num: 13
Candidate Starts for Periwinkle_85:
(3, 46643), (7, 46700), (8, 46718), (11, 46787), (Start: 13 @46796 has 2 MA's), (19, 46853), (20, 46880), (21, 46892),

Gene: SlippinJimmy_53 Start: 46540, Stop: 46373, Start Num: 18
Candidate Starts for SlippinJimmy_53:
(9, 46642), (Start: 12 @46588 has 1 MA's), (Start: 18 @46540 has 2 MA's), (24, 46384),

Gene: Superphikiman_80 Start: 49081, Stop: 48866, Start Num: 12
Candidate Starts for Superphikiman_80:
(9, 49135), (Start: 12 @49081 has 1 MA's), (Start: 18 @49033 has 2 MA's),

Gene: Target_68 Start: 42412, Stop: 42245, Start Num: 18

Candidate Starts for Target_68:
(9, 42514), (Start: 12 @42460 has 1 MA's), (Start: 18 @42412 has 2 MA's),

Gene: TinyDot_48 Start: 31963, Stop: 32163, Start Num: 13
Candidate Starts for TinyDot_48:
(Start: 13 @31963 has 2 MA's), (22, 32071), (23, 32074),

Gene: Xiaokay_79 Start: 52707, Stop: 52925, Start Num: 14
Candidate Starts for Xiaokay_79:
(9, 52629), (14, 52707), (17, 52734), (Start: 18 @52758 has 2 MA's),