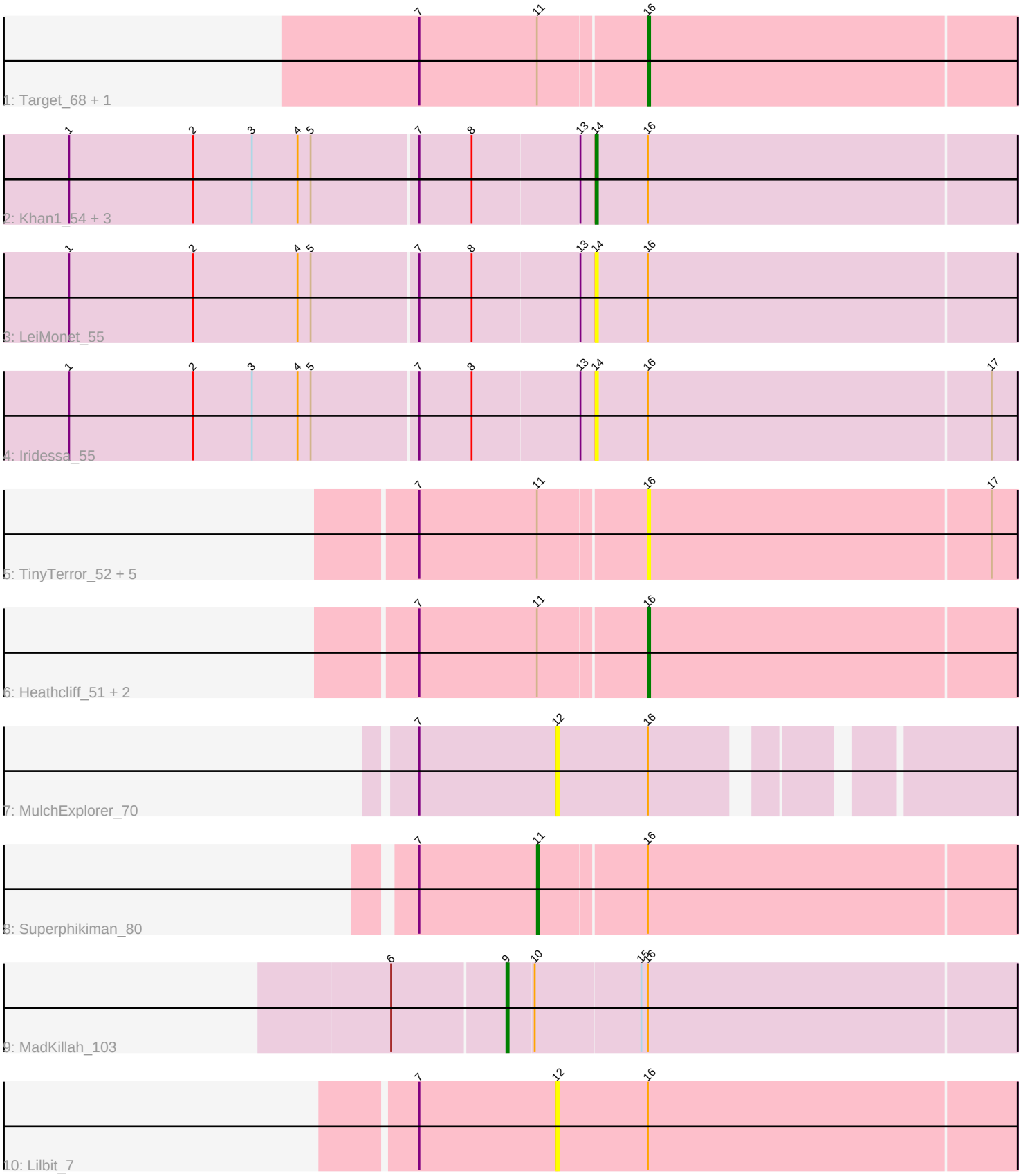
Pham 212995


7
11
16
1: Target_68 + 1
1
2
3
4
5
7
8
13
14
16
2: Khan1_54 + 3
1
2
4
5
7
8
13
14
16
3: LeiMonet_55
1
2
3
4
5
7
8
13
14
16
17
4: Iridessa_55
7
11
16
17
5: TinyTerror_52 + 5
7
11
16
6: Heathcliff_51 + 2
7
12
16
7: MulchExplorer_70
7
11
16
8: Superphikiman_80
6
9
10
15
16
9: MadKillah_103
7
12
16
10: Lilbit_7

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 212995 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212995 has 21 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Target_68, Raid_65
• Track 2 : Khan1_54, Gwilliam_54, MrPhizzler_54, Rimu_57
• Track 3 : LeiMonet_55
• Track 4 : Iridessa_55
• Track 5 : TinyTerror_52, SwainyDoc_52, Ben11_51, Chentzyk_52, Marlia_52, SlippinJimmy_53
• Track 6 : Heathcliff_51, Glubnar_51, Olivio_51
• Track 7 : MulchExplorer_70
• Track 8 : Superphikiman_80
• Track 9 : MadKillah_103
• Track 10 : Lilbit_7

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 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ben11_51, Chentzyk_52, Glubnar_51, Heathcliff_51, Marlia_52, Olivio_51, Raid_65, SlippinJimmy_53, SwainyDoc_52, Target_68, TinyTerror_52,

Genes that have the "Most Annotated" start but do not call it:
• Gwilliam_54, Iridessa_55, Khan1_54, LeiMonet_55, Lilbit_7, MadKillah_103, MrPhizzler_54, MulchExplorer_70, Rimu_57, Superphikiman_80,

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

Summary by start number:

Start 9:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: MadKillah_103 (O),

Start 11:
• Found in 12 of 21 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Superphikiman_80 (J),

Start 12:
• Found in 2 of 21 (9.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbit_7 (S), MulchExplorer_70 (F1),

Start 14:
• Found in 6 of 21 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gwilliam_54 (B1), Iridessa_55 (B1), Khan1_54 (B1), LeiMonet_55 (B1), MrPhizzler_54 (B1), Rimu_57 (B1),

Start 16:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 52.4% of time when present
• Phage (with cluster) where this start called: Ben11_51 (B3), Chentzyk_52 (B3), Glubnar_51 (B3), Heathcliff_51 (B3), Marlia_52 (B3), Olivio_51 (B3), Raid_65 (A1), SlippinJimmy_53 (B3), SwainyDoc_52 (B3), Target_68 (A1), TinyTerror_52 (B3),

Summary by clusters:

There are 7 clusters represented in this pham: F1, J, O, A1, S, B1, B3,

Info for manual annotations of cluster A1:
•Start number 16 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster B1:
•Start number 14 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B3:
•Start number 16 was manually annotated 1 time for cluster B3.

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

Info for manual annotations of cluster O:
•Start number 9 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Ben11_51 Start: 45593, Stop: 45426, Start Num: 16
Candidate Starts for Ben11_51:
(7, 45695), (Start: 11 @45641 has 1 MA's), (Start: 16 @45593 has 2 MA's), (17, 45437),

Gene: Chentzyk_52 Start: 46135, Stop: 45968, Start Num: 16
Candidate Starts for Chentzyk_52:
(7, 46237), (Start: 11 @46183 has 1 MA's), (Start: 16 @46135 has 2 MA's), (17, 45979),

Gene: Glubnar_51 Start: 45303, Stop: 45136, Start Num: 16
Candidate Starts for Glubnar_51:
(7, 45405), (Start: 11 @45351 has 1 MA's), (Start: 16 @45303 has 2 MA's),

Gene: Gwilliam_54 Start: 47871, Stop: 47680, Start Num: 14
Candidate Starts for Gwilliam_54:
(1, 48108), (2, 48051), (3, 48024), (4, 48003), (5, 47997), (7, 47949), (8, 47925), (13, 47877), (Start: 14 @47871 has 1 MA's), (Start: 16 @47847 has 2 MA's),

Gene: Heathcliff_51 Start: 45274, Stop: 45107, Start Num: 16
Candidate Starts for Heathcliff_51:
(7, 45376), (Start: 11 @45322 has 1 MA's), (Start: 16 @45274 has 2 MA's),

Gene: Iridessa_55 Start: 47522, Stop: 47331, Start Num: 14
Candidate Starts for Iridessa_55:
(1, 47759), (2, 47702), (3, 47675), (4, 47654), (5, 47648), (7, 47600), (8, 47576), (13, 47528), (Start: 14 @47522 has 1 MA's), (Start: 16 @47498 has 2 MA's), (17, 47342),

Gene: Khan1_54 Start: 47495, Stop: 47304, Start Num: 14
Candidate Starts for Khan1_54:
(1, 47732), (2, 47675), (3, 47648), (4, 47627), (5, 47621), (7, 47573), (8, 47549), (13, 47501), (Start: 14 @47495 has 1 MA's), (Start: 16 @47471 has 2 MA's),

Gene: LeiMonet_55 Start: 47494, Stop: 47303, Start Num: 14
Candidate Starts for LeiMonet_55:
(1, 47731), (2, 47674), (4, 47626), (5, 47620), (7, 47572), (8, 47548), (13, 47500), (Start: 14 @47494 has 1 MA's), (Start: 16 @47470 has 2 MA's),

Gene: Lilbit_7 Start: 2375, Stop: 2584, Start Num: 12
Candidate Starts for Lilbit_7:
(7, 2312), (12, 2375), (Start: 16 @2417 has 2 MA's),

Gene: MadKillah_103 Start: 62045, Stop: 61815, Start Num: 9
Candidate Starts for MadKillah_103:
(6, 62096), (Start: 9 @62045 has 1 MA's), (10, 62033), (15, 61985), (Start: 16 @61982 has 2 MA's),

Gene: Marlia_52 Start: 45756, Stop: 45589, Start Num: 16
Candidate Starts for Marlia_52:
(7, 45858), (Start: 11 @45804 has 1 MA's), (Start: 16 @45756 has 2 MA's), (17, 45600),

Gene: MrPhizzler_54 Start: 47472, Stop: 47281, Start Num: 14
Candidate Starts for MrPhizzler_54:
(1, 47709), (2, 47652), (3, 47625), (4, 47604), (5, 47598), (7, 47550), (8, 47526), (13, 47478), (Start: 14 @47472 has 1 MA's), (Start: 16 @47448 has 2 MA's),

Gene: MulchExplorer_70 Start: 43157, Stop: 43342, Start Num: 12
Candidate Starts for MulchExplorer_70:
(7, 43094), (12, 43157), (Start: 16 @43199 has 2 MA's),

Gene: Olivio_51 Start: 45617, Stop: 45459, Start Num: 16
Candidate Starts for Olivio_51:
(7, 45719), (Start: 11 @45665 has 1 MA's), (Start: 16 @45617 has 2 MA's),

Gene: Raid_65 Start: 42540, Stop: 42373, Start Num: 16
Candidate Starts for Raid_65:
(7, 42642), (Start: 11 @42588 has 1 MA's), (Start: 16 @42540 has 2 MA's),

Gene: Rimu_57 Start: 47492, Stop: 47301, Start Num: 14
Candidate Starts for Rimu_57:
(1, 47729), (2, 47672), (3, 47645), (4, 47624), (5, 47618), (7, 47570), (8, 47546), (13, 47498), (Start: 14 @47492 has 1 MA's), (Start: 16 @47468 has 2 MA's),

Gene: SlippinJimmy_53 Start: 46540, Stop: 46373, Start Num: 16
Candidate Starts for SlippinJimmy_53:
(7, 46642), (Start: 11 @46588 has 1 MA's), (Start: 16 @46540 has 2 MA's), (17, 46384),

Gene: Superphikiman_80 Start: 49081, Stop: 48866, Start Num: 11
Candidate Starts for Superphikiman_80:
(7, 49135), (Start: 11 @49081 has 1 MA's), (Start: 16 @49033 has 2 MA's),

Gene: SwainyDoc_52 Start: 45770, Stop: 45603, Start Num: 16
Candidate Starts for SwainyDoc_52:
(7, 45872), (Start: 11 @45818 has 1 MA's), (Start: 16 @45770 has 2 MA's), (17, 45614),

Gene: Target_68 Start: 42412, Stop: 42245, Start Num: 16
Candidate Starts for Target_68:
(7, 42514), (Start: 11 @42460 has 1 MA's), (Start: 16 @42412 has 2 MA's),

Gene: TinyTerror_52 Start: 45805, Stop: 45638, Start Num: 16
Candidate Starts for TinyTerror_52:
(7, 45907), (Start: 11 @45853 has 1 MA's), (Start: 16 @45805 has 2 MA's), (17, 45649),