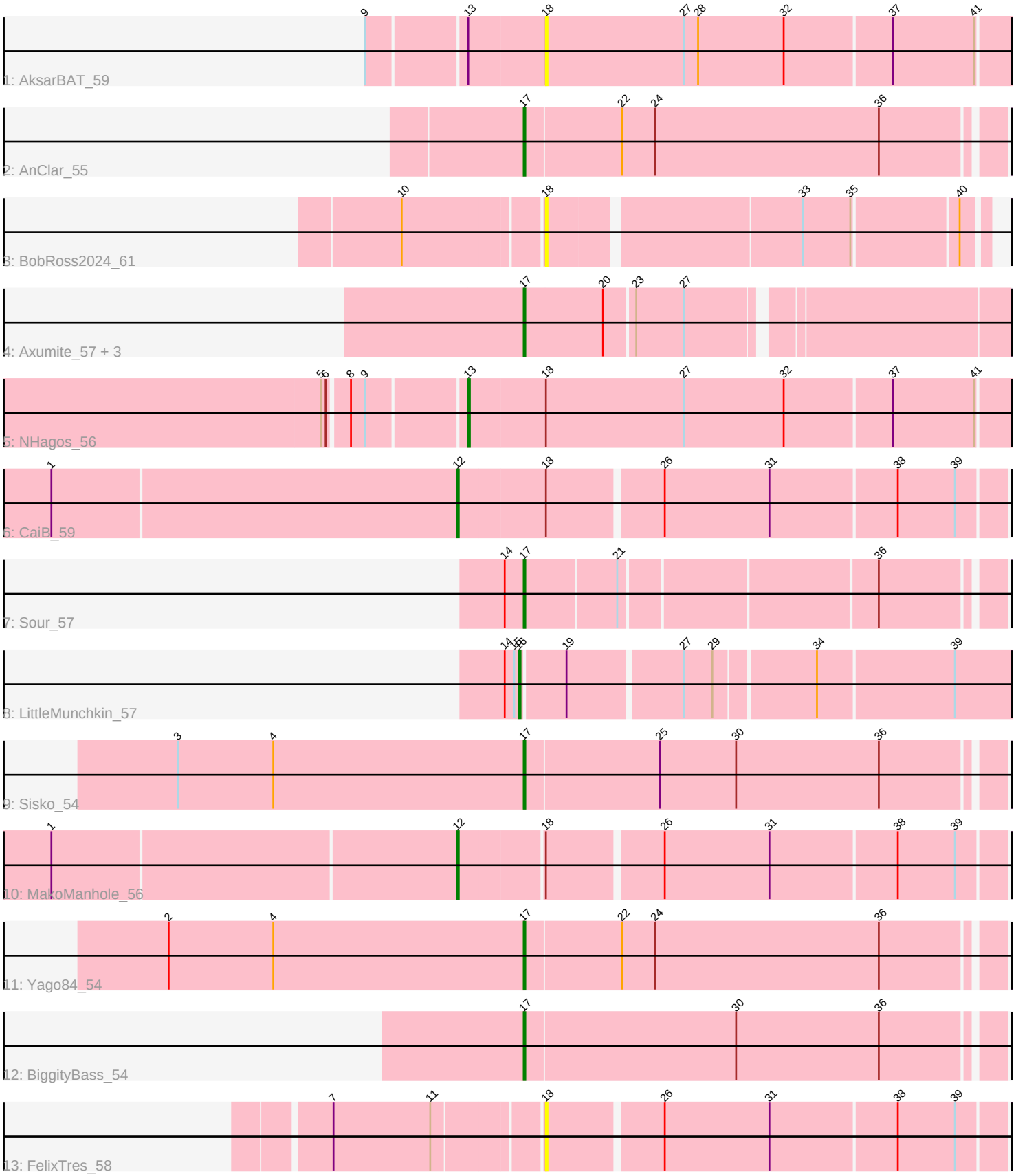
Pham 297043


9 13 18 27 28 32 37 41
1: AksarBAT_59
17 22 24 36
2: AnClar_55
10 18 33 35 40
3: BobRoss2024_61
17 20 23 27
4: Axumite_57 + 3
5 6 8 9 13 18 27 32 37 41
5: NHagos_56
1 12 18 26 31 38 39
6: CaiBi_59
14 17 21 36
7: Sour_57
14 15 16 19 27 29 34 39
8: LittleMunchkin_57
3 4 17 25 30 36
9: Sisko_54
1 12 18 26 31 38 39
10: MakoManhole_56
2 4 17 22 24 36
11: Yago84_54
17 30 36
12: BiggityBass_54
7 11 18 26 31 38 39
13: FelixTres_58

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 297043 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297043 has 16 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AksarBAT_59
• Track 2 : AnClar_55
• Track 3 : BobRoss2024_61
• Track 4 : Axumite_57, Fresco_57, Ligma_57, Shatter_57
• Track 5 : NHagos_56
• Track 6 : CaiB_59
• Track 7 : Sour_57
• Track 8 : LittleMunchkin_57
• Track 9 : Sisko_54
• Track 10 : MakoManhole_56
• Track 11 : Yago84_54
• Track 12 : BiggityBass_54
• Track 13 : FelixTres_58

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

The start number called the most often in the published annotations is 17, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_55, Axumite_57, BiggityBass_54, Fresco_57, Ligma_57, Shatter_57, Sisko_54, Sour_57, Yago84_54,

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

Genes that do not have the "Most Annotated" start:
• AksarBAT_59, BobRoss2024_61, CaiB_59, FelixTres_58, LittleMunchkin_57, MakoManhole_56, NHagos_56,

Summary by start number:

Start 12:
• Found in 2 of 16 (12.5%) of genes in pham

• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CaiB_59 (DR), MakoManhole_56 (DR),

Start 13:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: NHagos_56 (DR),

Start 16:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleMunchkin_57 (DR),

Start 17:
• Found in 9 of 16 (56.2%) of genes in pham
• Manual Annotations of this start: 9 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_55 (DR), Axumite_57 (DR), BiggityBass_54 (DR), Fresco_57 (DR), Ligma_57 (DR), Shatter_57 (DR), Sisko_54 (DR), Sour_57 (DR), Yago84_54 (DR),

Start 18:
• Found in 6 of 16 (37.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_59 (DR), BobRoss2024_61 (DR), FelixTres_58 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 12 was manually annotated 2 times for cluster DR.
•Start number 13 was manually annotated 1 time for cluster DR.
•Start number 16 was manually annotated 1 time for cluster DR.
•Start number 17 was manually annotated 9 times for cluster DR.

Gene Information:

Gene: AksarBAT_59 Start: 49709, Stop: 49422, Start Num: 18
Candidate Starts for AksarBAT_59:
(9, 49814), (Start: 13 @49757 has 1 MA's), (18, 49709), (27, 49622), (28, 49613), (32, 49559), (37, 49493), (41, 49442),

Gene: AnClar_55 Start: 49921, Stop: 49628, Start Num: 17
Candidate Starts for AnClar_55:
(Start: 17 @49921 has 9 MA's), (22, 49861), (24, 49840), (36, 49699),

Gene: Axumite_57 Start: 48183, Stop: 47899, Start Num: 17
Candidate Starts for Axumite_57:
(Start: 17 @48183 has 9 MA's), (20, 48135), (23, 48117), (27, 48087),

Gene: BiggityBass_54 Start: 49280, Stop: 48987, Start Num: 17
Candidate Starts for BiggityBass_54:
(Start: 17 @49280 has 9 MA's), (30, 49148), (36, 49058),

Gene: BobRoss2024_61 Start: 49662, Stop: 49405, Start Num: 18
Candidate Starts for BobRoss2024_61:
(10, 49743), (18, 49662), (33, 49512), (35, 49482), (40, 49419),

Gene: CaiB_59 Start: 50677, Stop: 50345, Start Num: 12
Candidate Starts for CaiB_59:
(1, 50929), (Start: 12 @50677 has 2 MA's), (18, 50623), (26, 50554), (31, 50488), (38, 50410), (39, 50374),

Gene: FelixTres_58 Start: 49690, Stop: 49412, Start Num: 18
Candidate Starts for FelixTres_58:
(7, 49813), (11, 49753), (18, 49690), (26, 49621), (31, 49555), (38, 49477), (39, 49441),

Gene: Fresco_57 Start: 48183, Stop: 47899, Start Num: 17
Candidate Starts for Fresco_57:
(Start: 17 @48183 has 9 MA's), (20, 48135), (23, 48117), (27, 48087),

Gene: Ligma_57 Start: 48183, Stop: 47899, Start Num: 17
Candidate Starts for Ligma_57:
(Start: 17 @48183 has 9 MA's), (20, 48135), (23, 48117), (27, 48087),

Gene: LittleMunchkin_57 Start: 50529, Stop: 50236, Start Num: 16
Candidate Starts for LittleMunchkin_57:
(14, 50538), (15, 50532), (Start: 16 @50529 has 1 MA's), (19, 50502), (27, 50433), (29, 50415), (34, 50355), (39, 50271),

Gene: MakoManhole_56 Start: 49198, Stop: 48869, Start Num: 12
Candidate Starts for MakoManhole_56:
(1, 49447), (Start: 12 @49198 has 2 MA's), (18, 49147), (26, 49078), (31, 49012), (38, 48934), (39, 48898),

Gene: NHagos_56 Start: 48117, Stop: 47782, Start Num: 13
Candidate Starts for NHagos_56:
(5, 48198), (6, 48195), (8, 48183), (9, 48174), (Start: 13 @48117 has 1 MA's), (18, 48069), (27, 47982), (32, 47919), (37, 47853), (41, 47802),

Gene: Shatter_57 Start: 48183, Stop: 47899, Start Num: 17
Candidate Starts for Shatter_57:
(Start: 17 @48183 has 9 MA's), (20, 48135), (23, 48117), (27, 48087),

Gene: Sisko_54 Start: 47905, Stop: 47612, Start Num: 17
Candidate Starts for Sisko_54:
(3, 48121), (4, 48061), (Start: 17 @47905 has 9 MA's), (25, 47821), (30, 47773), (36, 47683),

Gene: Sour_57 Start: 50612, Stop: 50331, Start Num: 17
Candidate Starts for Sour_57:
(14, 50624), (Start: 17 @50612 has 9 MA's), (21, 50555), (36, 50402),

Gene: Yago84_54 Start: 47998, Stop: 47705, Start Num: 17
Candidate Starts for Yago84_54:
(2, 48220), (4, 48154), (Start: 17 @47998 has 9 MA's), (22, 47938), (24, 47917), (36, 47776),