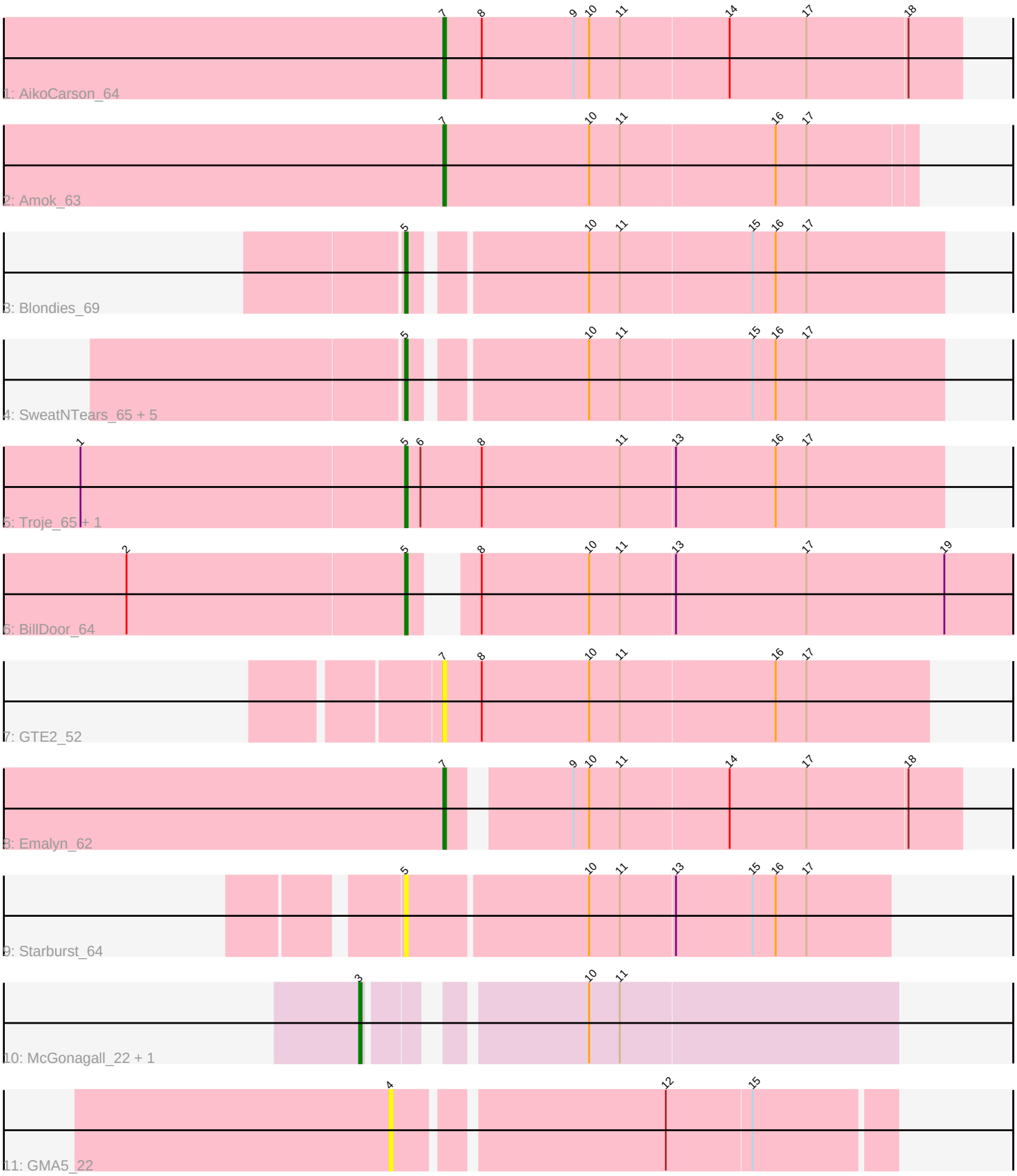
Pham 344456


1: AikoCarson_64
2: Amok_63
3: Blondies_69
4: SweatNTears_65 + 5
5: Troje_65 + 1
6: BillDoor_64
7: GTE2_52
8: Emalyn_62
9: Starburst_64
10: McGonagall_22 + 1
11: GMA5_22

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 344456 Report

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

Pham number 344456 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AikoCarson_64
• Track 2 : Amok_63
• Track 3 : Blondies_69
• Track 4 : SweatNTears_65, Yummy_65, Horseradish_65, Buttrmlkdreams_65, SketchMex_63, Biskit_65
• Track 5 : Troje_65, MScarn_67
• Track 6 : BillDoor_64
• Track 7 : GTE2_52
• Track 8 : Emalyn_62
• Track 9 : Starburst_64
• Track 10 : McGonagall_22, Jeanie_22
• Track 11 : GMA5_22

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillDoor_64, Biskit_65, Blondies_69, Buttrmlkdreams_65, Horseradish_65, MScarn_67, SketchMex_63, Starburst_64, SweatNTears_65, Troje_65, Yummy_65,

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

Genes that do not have the "Most Annotated" start:
• AikoCarson_64, Amok_63, Emalyn_62, GMA5_22, GTE2_52, Jeanie_22, McGonagall_22,

Summary by start number:

Start 3:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jeanie_22 (CW1), McGonagall_22 (CW1),

Start 4:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA5_22 (CW2),

Start 5:
• Found in 11 of 18 (61.1%) of genes in pham
• Manual Annotations of this start: 10 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillDoor_64 (CT), Biskit_65 (CT), Blondies_69 (CT), Buttrmlkdreams_65 (CT), Horseradish_65 (CT), MScarn_67 (CT), SketchMex_63 (CT), Starburst_64 (CT), SweatNTears_65 (CT), Troje_65 (CT), Yummy_65 (CT),

Start 7:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AikoCarson_64 (CT), Amok_63 (CT), Emalyn_62 (CT), GTE2_52 (CT),

Summary by clusters:

There are 3 clusters represented in this pham: CW1, CW2, CT,

Info for manual annotations of cluster CT:
•Start number 5 was manually annotated 10 times for cluster CT.
•Start number 7 was manually annotated 3 times for cluster CT.

Info for manual annotations of cluster CW1:
•Start number 3 was manually annotated 2 times for cluster CW1.

Gene Information:

Gene: AikoCarson_64 Start: 43232, Stop: 43432, Start Num: 7
Candidate Starts for AikoCarson_64:
(Start: 7 @43232 has 3 MA's), (8, 43247), (9, 43283), (10, 43289), (11, 43301), (14, 43343), (17, 43373), (18, 43412),

Gene: Amok_63 Start: 43138, Stop: 43320, Start Num: 7
Candidate Starts for Amok_63:
(Start: 7 @43138 has 3 MA's), (10, 43195), (11, 43207), (16, 43267), (17, 43279),

Gene: BillDoor_64 Start: 42496, Stop: 42717, Start Num: 5
Candidate Starts for BillDoor_64:

(2, 42388), (Start: 5 @42496 has 10 MA's), (8, 42511), (10, 42553), (11, 42565), (13, 42586), (17, 42637), (19, 42691),

Gene: Biskit_65 Start: 43416, Stop: 43616, Start Num: 5
Candidate Starts for Biskit_65:
(Start: 5 @43416 has 10 MA's), (10, 43479), (11, 43491), (15, 43542), (16, 43551), (17, 43563),

Gene: Blondies_69 Start: 43735, Stop: 43935, Start Num: 5
Candidate Starts for Blondies_69:
(Start: 5 @43735 has 10 MA's), (10, 43798), (11, 43810), (15, 43861), (16, 43870), (17, 43882),

Gene: Buttrmlkdreams_65 Start: 43594, Stop: 43794, Start Num: 5
Candidate Starts for Buttrmlkdreams_65:
(Start: 5 @43594 has 10 MA's), (10, 43657), (11, 43669), (15, 43720), (16, 43729), (17, 43741),

Gene: Emalyn_62 Start: 41970, Stop: 42161, Start Num: 7
Candidate Starts for Emalyn_62:
(Start: 7 @41970 has 3 MA's), (9, 42012), (10, 42018), (11, 42030), (14, 42072), (17, 42102), (18, 42141),

Gene: GMA5_22 Start: 15142, Stop: 15327, Start Num: 4
Candidate Starts for GMA5_22:
(4, 15142), (12, 15241), (15, 15274),

Gene: GTE2_52 Start: 43208, Stop: 43396, Start Num: 7
Candidate Starts for GTE2_52:
(Start: 7 @43208 has 3 MA's), (8, 43223), (10, 43265), (11, 43277), (16, 43337), (17, 43349),

Gene: Horseradish_65 Start: 43349, Stop: 43549, Start Num: 5
Candidate Starts for Horseradish_65:
(Start: 5 @43349 has 10 MA's), (10, 43412), (11, 43424), (15, 43475), (16, 43484), (17, 43496),

Gene: Jeanie_22 Start: 14650, Stop: 14841, Start Num: 3
Candidate Starts for Jeanie_22:
(Start: 3 @14650 has 2 MA's), (10, 14722), (11, 14734),

Gene: MScarn_67 Start: 43263, Stop: 43472, Start Num: 5
Candidate Starts for MScarn_67:
(1, 43137), (Start: 5 @43263 has 10 MA's), (6, 43269), (8, 43293), (11, 43347), (13, 43368), (16, 43407), (17, 43419),

Gene: McGonagall_22 Start: 14651, Stop: 14842, Start Num: 3
Candidate Starts for McGonagall_22:
(Start: 3 @14651 has 2 MA's), (10, 14723), (11, 14735),

Gene: SketchMex_63 Start: 43416, Stop: 43616, Start Num: 5
Candidate Starts for SketchMex_63:
(Start: 5 @43416 has 10 MA's), (10, 43479), (11, 43491), (15, 43542), (16, 43551), (17, 43563),

Gene: Starburst_64 Start: 43650, Stop: 43835, Start Num: 5
Candidate Starts for Starburst_64:
(Start: 5 @43650 has 10 MA's), (10, 43719), (11, 43731), (13, 43752), (15, 43782), (16, 43791), (17, 43803),

Gene: SweatNTears_65 Start: 43520, Stop: 43720, Start Num: 5
Candidate Starts for SweatNTears_65:
(Start: 5 @43520 has 10 MA's), (10, 43583), (11, 43595), (15, 43646), (16, 43655), (17, 43667),

Gene: Troje_65 Start: 43486, Stop: 43695, Start Num: 5
Candidate Starts for Troje_65:
(1, 43360), (Start: 5 @43486 has 10 MA's), (6, 43492), (8, 43516), (11, 43570), (13, 43591), (16, 43630), (17, 43642),

Gene: Yummy_65 Start: 43463, Stop: 43663, Start Num: 5
Candidate Starts for Yummy_65:
(Start: 5 @43463 has 10 MA's), (10, 43526), (11, 43538), (15, 43589), (16, 43598), (17, 43610),