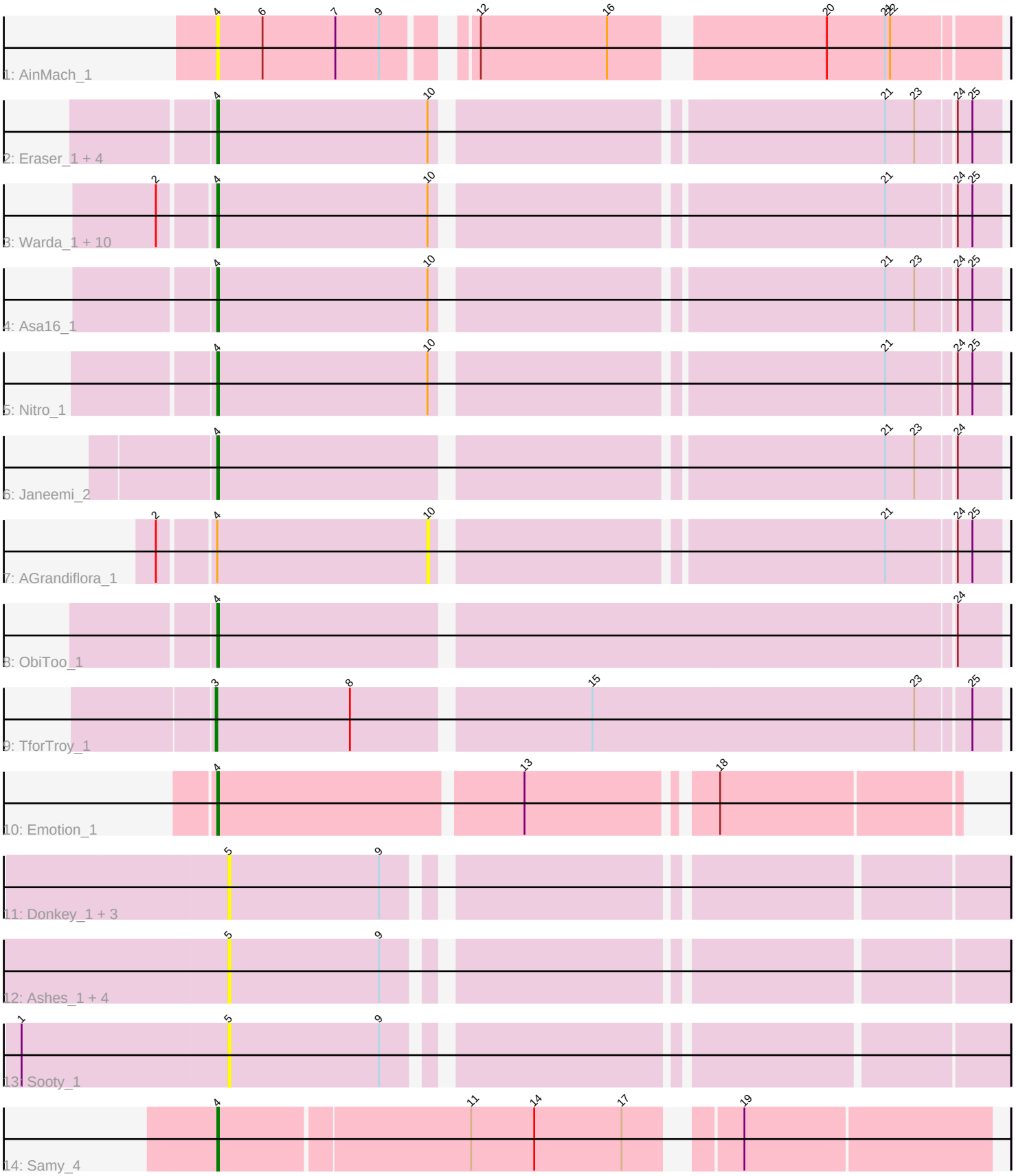
Pham 196692


1: AinMach_1
2: Eraser_1 + 4
3: Warda_1 + 10
4: Asa16_1
5: Nitro_1
6: Janeemi_2
7: AGrandiflora_1
8: ObiToo_1
9: TforTroy_1
10: Emotion_1
11: Donkey_1 + 3
12: Ashes_1 + 4
13: Sooty_1
14: Samy_4

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 196692 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196692 has 35 members, 14 are drafts.

Phages represented in each track:
• Track 1 : AinMach_1
• Track 2 : Eraser_1, Elezi_1, London_1, Jstan_1, Niobe_1
• Track 3 : Warda_1, JohnDoe_1, Cyan_1, YesChef_1, Lego_1, Tutumahutu_1, Powerpuff_1, Simpson_1, Tbone_1, Joemato_1, Kaylissa_1
• Track 4 : Asa16_1
• Track 5 : Nitro_1
• Track 6 : Janeemi_2
• Track 7 : AGrandiflora_1
• Track 8 : ObiToo_1
• Track 9 : TforTroy_1
• Track 10 : Emotion_1
• Track 11 : Donkey_1, Kalimba_1, Cappuccino_1, Gambol_1
• Track 12 : Ashes_1, Mysterium_1, Halsey_1, SpecialK_1, Moss_1
• Track 13 : Sooty_1
• Track 14 : Samy_4

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

The start number called the most often in the published annotations is 4, it was called in 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AinMach_1, Asa16_1, Cyan_1, Elezi_1, Emotion_1, Eraser_1, Janeemi_2, Joemato_1, JohnDoe_1, Jstan_1, Kaylissa_1, Lego_1, London_1, Niobe_1, Nitro_1, ObiToo_1, Powerpuff_1, Samy_4, Simpson_1, Tbone_1, Tutumahutu_1, Warda_1, YesChef_1,

Genes that have the "Most Annotated" start but do not call it:
• AGrandiflora_1,

Genes that do not have the "Most Annotated" start:
• Ashes_1, Cappuccino_1, Donkey_1, Gambol_1, Halsey_1, Kalimba_1, Moss_1, Mysterium_1, Sooty_1, SpecialK_1, TforTroy_1,

Summary by start number:

Start 3:
• Found in 1 of 35 (2.9%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TforTroy_1 (AZ1),

Start 4:
• Found in 24 of 35 (68.6%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 95.8% of time when present
• Phage (with cluster) where this start called: AinMach_1 (AZ), Asa16_1 (AZ1), Cyan_1 (AZ1), Elezi_1 (AZ1), Emotion_1 (AZ4), Eraser_1 (AZ1), Janeemi_2 (AZ1), Joemato_1 (AZ1), JohnDoe_1 (AZ1), Jstan_1 (AZ1), Kaylissa_1 (AZ1), Lego_1 (AZ1), London_1 (AZ1), Niobe_1 (AZ1), Nitro_1 (AZ1), ObiToo_1 (AZ1), Powerpuff_1 (AZ1), Samy_4 (singleton), Simpson_1 (AZ1), Tbone_1 (AZ1), Tutumahutu_1 (AZ1), Warda_1 (AZ1), YesChef_1 (AZ1),

Start 5:
• Found in 10 of 35 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashes_1 (AZ5), Cappuccino_1 (AZ5), Donkey_1 (AZ5), Gambol_1 (AZ5), Halsey_1 (AZ5), Kalimba_1 (AZ5), Moss_1 (AZ5), Mysterium_1 (AZ5), Sooty_1 (AZ5), SpecialK_1 (AZ5),

Start 10:
• Found in 19 of 35 (54.3%) of genes in pham
• No Manual Annotations of this start.
• Called 5.3% of time when present
• Phage (with cluster) where this start called: AGrandiflora_1 (AZ1),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, singleton, AZ, AZ4, AZ5,

Info for manual annotations of cluster AZ1:
•Start number 3 was manually annotated 1 time for cluster AZ1.
•Start number 4 was manually annotated 18 times for cluster AZ1.

Info for manual annotations of cluster AZ4:
•Start number 4 was manually annotated 1 time for cluster AZ4.

Gene Information:

Gene: AGrandiflora_1 Start: 213, Stop: 536, Start Num: 10
Candidate Starts for AGrandiflora_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: AinMach_1 Start: 140, Stop: 574, Start Num: 4
Candidate Starts for AinMach_1:
(Start: 4 @140 has 20 MA's), (6, 167), (7, 212), (9, 239), (12, 281), (16, 359), (20, 473), (21, 509), (22, 512),

Gene: Asa16_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Asa16_1:
(Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (23, 489), (24, 510), (25, 519),

Gene: Ashes_1 Start: 139, Stop: 579, Start Num: 5
Candidate Starts for Ashes_1:
(5, 139), (9, 232),

Gene: Cappuccino_1 Start: 138, Stop: 578, Start Num: 5
Candidate Starts for Cappuccino_1:
(5, 138), (9, 231),

Gene: Cyan_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Cyan_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Donkey_1 Start: 138, Stop: 578, Start Num: 5
Candidate Starts for Donkey_1:
(5, 138), (9, 231),

Gene: Elezi_1 Start: 85, Stop: 537, Start Num: 4
Candidate Starts for Elezi_1:
(Start: 4 @85 has 20 MA's), (10, 214), (21, 472), (23, 490), (24, 511), (25, 520),

Gene: Emotion_1 Start: 130, Stop: 558, Start Num: 4
Candidate Starts for Emotion_1:
(Start: 4 @130 has 20 MA's), (13, 310), (18, 415),

Gene: Eraser_1 Start: 85, Stop: 537, Start Num: 4
Candidate Starts for Eraser_1:
(Start: 4 @85 has 20 MA's), (10, 214), (21, 472), (23, 490), (24, 511), (25, 520),

Gene: Gambol_1 Start: 138, Stop: 578, Start Num: 5
Candidate Starts for Gambol_1:
(5, 138), (9, 231),

Gene: Halsey_1 Start: 139, Stop: 579, Start Num: 5
Candidate Starts for Halsey_1:
(5, 139), (9, 232),

Gene: Janeemi_2 Start: 1168, Stop: 1620, Start Num: 4
Candidate Starts for Janeemi_2:
(Start: 4 @1168 has 20 MA's), (21, 1555), (23, 1573), (24, 1594),

Gene: Joemato_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Joemato_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: JohnDoe_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for JohnDoe_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Jstan_1 Start: 85, Stop: 537, Start Num: 4
Candidate Starts for Jstan_1:
(Start: 4 @85 has 20 MA's), (10, 214), (21, 472), (23, 490), (24, 511), (25, 520),

Gene: Kalimba_1 Start: 138, Stop: 578, Start Num: 5
Candidate Starts for Kalimba_1:
(5, 138), (9, 231),

Gene: Kaylissa_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Kaylissa_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Lego_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Lego_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: London_1 Start: 85, Stop: 537, Start Num: 4
Candidate Starts for London_1:
(Start: 4 @85 has 20 MA's), (10, 214), (21, 472), (23, 490), (24, 511), (25, 520),

Gene: Moss_1 Start: 139, Stop: 579, Start Num: 5
Candidate Starts for Moss_1:
(5, 139), (9, 232),

Gene: Mysterium_1 Start: 139, Stop: 579, Start Num: 5
Candidate Starts for Mysterium_1:
(5, 139), (9, 232),

Gene: Niobe_1 Start: 85, Stop: 537, Start Num: 4
Candidate Starts for Niobe_1:
(Start: 4 @85 has 20 MA's), (10, 214), (21, 472), (23, 490), (24, 511), (25, 520),

Gene: Nitro_1 Start: 86, Stop: 538, Start Num: 4
Candidate Starts for Nitro_1:
(Start: 4 @86 has 20 MA's), (10, 215), (21, 473), (24, 512), (25, 521),

Gene: ObiToo_1 Start: 85, Stop: 549, Start Num: 4
Candidate Starts for ObiToo_1:
(Start: 4 @85 has 20 MA's), (24, 523),

Gene: Powerpuff_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Powerpuff_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Samy_4 Start: 1334, Stop: 1780, Start Num: 4
Candidate Starts for Samy_4:
(Start: 4 @1334 has 20 MA's), (11, 1484), (14, 1523), (17, 1577), (19, 1631),

Gene: Simpson_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Simpson_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Sooty_1 Start: 138, Stop: 578, Start Num: 5
Candidate Starts for Sooty_1:
(1, 12), (5, 138), (9, 231),

Gene: SpecialK_1 Start: 139, Stop: 579, Start Num: 5
Candidate Starts for SpecialK_1:
(5, 139), (9, 232),

Gene: Tbone_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Tbone_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: TforTroy_1 Start: 86, Stop: 550, Start Num: 3
Candidate Starts for TforTroy_1:
(Start: 3 @86 has 1 MA's), (8, 167), (15, 305), (23, 503), (25, 533),

Gene: Tutumahutu_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Tutumahutu_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: Warda_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for Warda_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),

Gene: YesChef_1 Start: 84, Stop: 536, Start Num: 4
Candidate Starts for YesChef_1:
(2, 54), (Start: 4 @84 has 20 MA's), (10, 213), (21, 471), (24, 510), (25, 519),