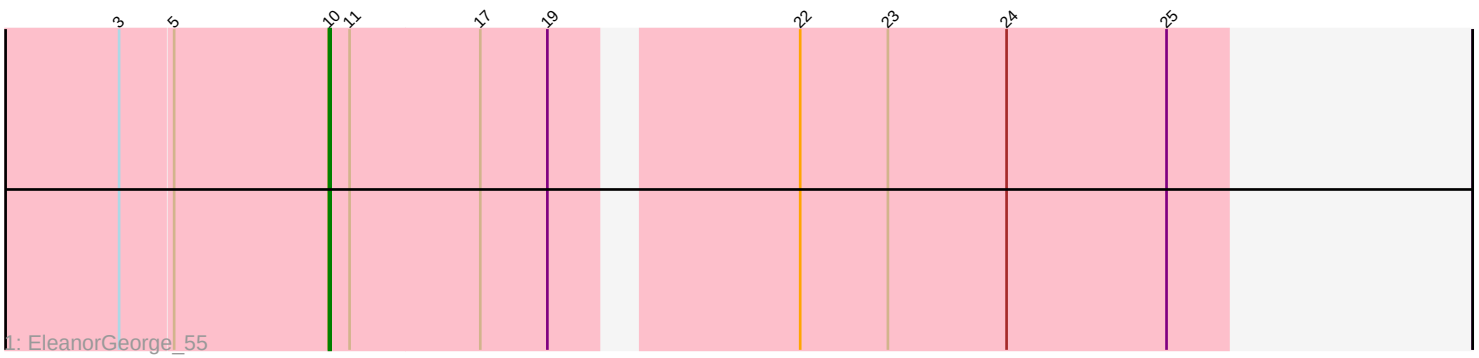
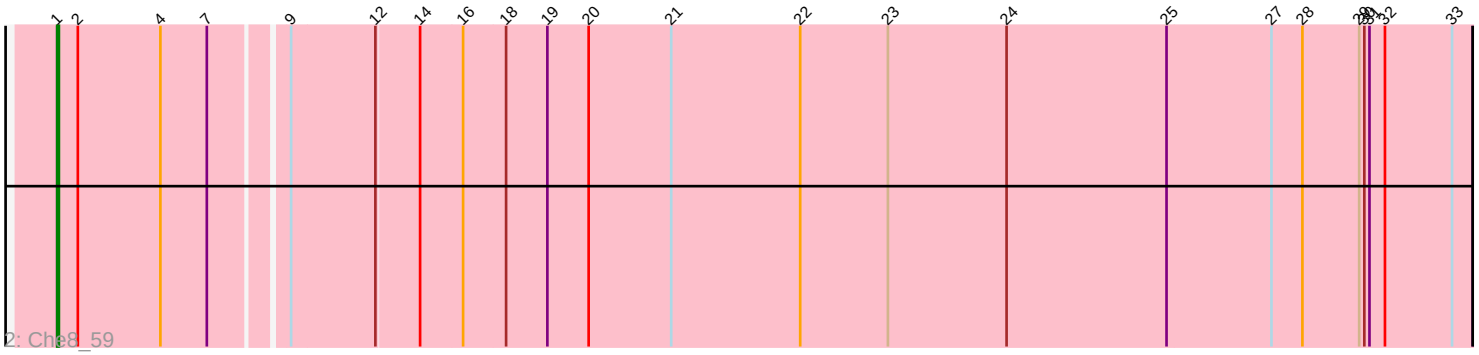
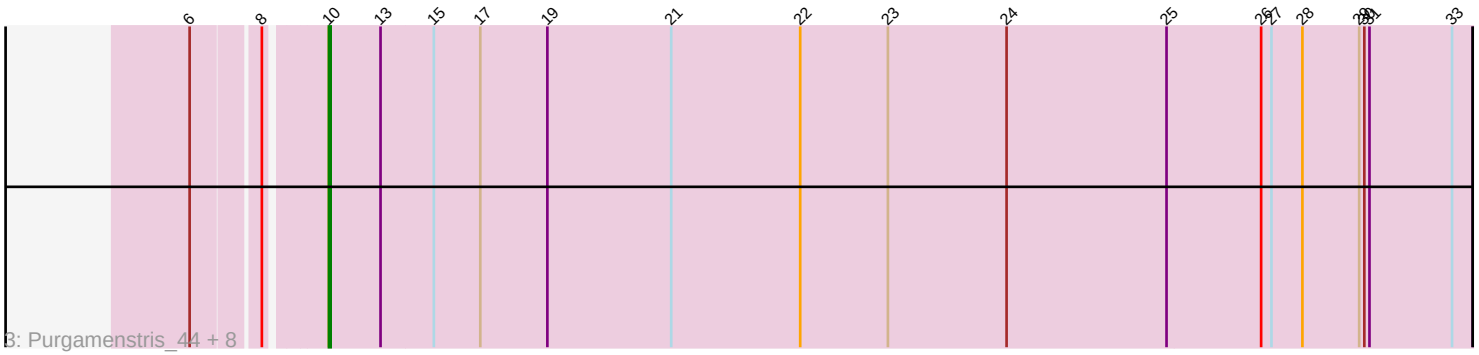
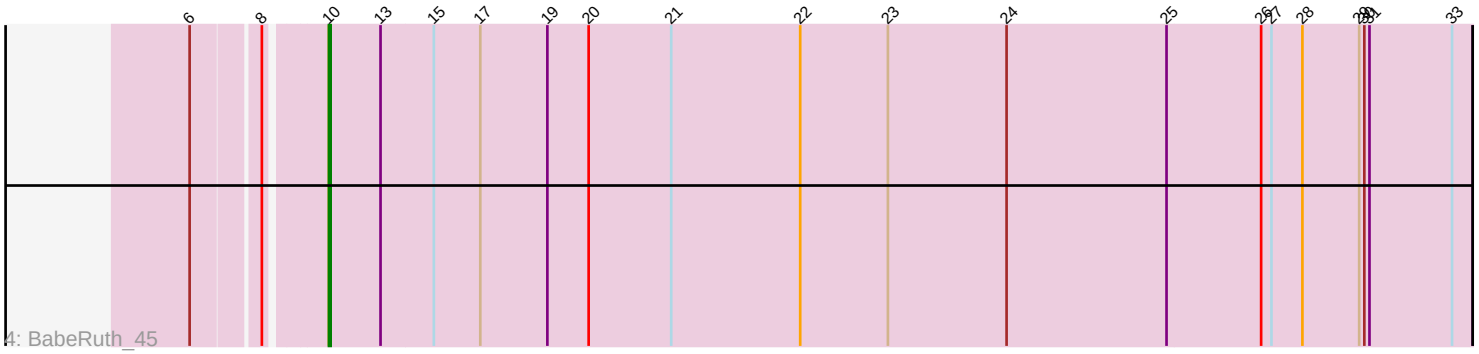
Pham 348207


3
5
10
11
17
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22
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24
25
1: EleanorGeorge_55


1
2
4
7
9
12
14
16
18
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21
22
23
24
25
27
28
32
33
2: Ch38_59


6
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13
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17
19
21
22
23
24
25
26
28
33
3: Purgamenstris_44 + 8


6
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21
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23
24
25
26
28
33
4: BabeRuth_45

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 348207 Report

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

Pham number 348207 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : EleanorGeorge_55
• Track 2 : Che8_59
• Track 3 : Purgamenstris_44, PhancyPhin_44, Redi_44, ShrimpFriedEgg_44, Spinach_44, Hanako_44, Rebel_36, Nenae_44, Raymond7_38
• Track 4 : BabeRuth_45

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabeRuth_45, EleanorGeorge_55, Hanako_44, Nenae_44, PhancyPhin_44, Purgamenstris_44, Raymond7_38, Rebel_36, Redi_44, ShrimpFriedEgg_44, Spinach_44,

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

Genes that do not have the "Most Annotated" start:
• Che8_59,

Summary by start number:

Start 1:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che8_59 (F1),

Start 10:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BabeRuth_45 (N), EleanorGeorge_55 (F1), Hanako_44 (N), Nenae_44 (N), PhancyPhin_44 (N), Purgamenstris_44 (N), Raymond7_38 (N), Rebel_36 (N), Redi_44 (N), ShrimpFriedEgg_44 (N), Spinach_44 (N),

Summary by clusters:

There are 2 clusters represented in this pham: F1, N,

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 1 time for cluster F1.
•Start number 10 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster N:
•Start number 10 was manually annotated 10 times for cluster N.

Gene Information:

Gene: BabeRuth_45 Start: 31045, Stop: 31707, Start Num: 10
Candidate Starts for BabeRuth_45:
(6, 30979), (8, 31015), (Start: 10 @31045 has 11 MA's), (13, 31075), (15, 31105), (17, 31132), (19, 31171), (20, 31195), (21, 31243), (22, 31318), (23, 31369), (24, 31438), (25, 31531), (26, 31585), (27, 31591), (28, 31609), (29, 31642), (30, 31645), (31, 31648), (33, 31696),

Gene: Che8_59 Start: 40410, Stop: 41216, Start Num: 1
Candidate Starts for Che8_59:
(Start: 1 @40410 has 1 MA's), (2, 40422), (4, 40470), (7, 40497), (9, 40536), (12, 40584), (14, 40608), (16, 40632), (18, 40656), (19, 40680), (20, 40704), (21, 40752), (22, 40827), (23, 40878), (24, 40947), (25, 41040), (27, 41100), (28, 41118), (29, 41151), (30, 41154), (31, 41157), (32, 41166), (33, 41205),

Gene: EleanorGeorge_55 Start: 38731, Stop: 39228, Start Num: 10
Candidate Starts for EleanorGeorge_55:
(3, 38611), (5, 38641), (Start: 10 @38731 has 11 MA's), (11, 38743), (17, 38818), (19, 38857), (22, 38980), (23, 39031), (24, 39100), (25, 39193),

Gene: Hanako_44 Start: 31044, Stop: 31706, Start Num: 10
Candidate Starts for Hanako_44:
(6, 30978), (8, 31014), (Start: 10 @31044 has 11 MA's), (13, 31074), (15, 31104), (17, 31131), (19, 31170), (21, 31242), (22, 31317), (23, 31368), (24, 31437), (25, 31530), (26, 31584), (27, 31590), (28, 31608), (29, 31641), (30, 31644), (31, 31647), (33, 31695),

Gene: Nenae_44 Start: 31047, Stop: 31709, Start Num: 10
Candidate Starts for Nenae_44:
(6, 30981), (8, 31017), (Start: 10 @31047 has 11 MA's), (13, 31077), (15, 31107), (17, 31134), (19, 31173), (21, 31245), (22, 31320), (23, 31371), (24, 31440), (25, 31533), (26, 31587), (27, 31593), (28, 31611), (29, 31644), (30, 31647), (31, 31650), (33, 31698),

Gene: PhancyPhin_44 Start: 31041, Stop: 31703, Start Num: 10
Candidate Starts for PhancyPhin_44:
(6, 30975), (8, 31011), (Start: 10 @31041 has 11 MA's), (13, 31071), (15, 31101), (17, 31128), (19, 31167), (21, 31239), (22, 31314), (23, 31365), (24, 31434), (25, 31527), (26, 31581), (27, 31587), (28,

31605), (29, 31638), (30, 31641), (31, 31644), (33, 31692),

Gene: Purgamenstris_44 Start: 31045, Stop: 31707, Start Num: 10
Candidate Starts for Purgamenstris_44:
(6, 30979), (8, 31015), (Start: 10 @31045 has 11 MA's), (13, 31075), (15, 31105), (17, 31132), (19, 31171), (21, 31243), (22, 31318), (23, 31369), (24, 31438), (25, 31531), (26, 31585), (27, 31591), (28, 31609), (29, 31642), (30, 31645), (31, 31648), (33, 31696),

Gene: Raymond7_38 Start: 30857, Stop: 31495, Start Num: 10
Candidate Starts for Raymond7_38:
(6, 30791), (8, 30827), (Start: 10 @30857 has 11 MA's), (13, 30887), (15, 30917), (17, 30944), (19, 30983), (21, 31031), (22, 31106), (23, 31157), (24, 31226), (25, 31319), (26, 31373), (27, 31379), (28, 31397), (29, 31430), (30, 31433), (31, 31436), (33, 31484),

Gene: Rebel_36 Start: 27175, Stop: 27837, Start Num: 10
Candidate Starts for Rebel_36:
(6, 27109), (8, 27145), (Start: 10 @27175 has 11 MA's), (13, 27205), (15, 27235), (17, 27262), (19, 27301), (21, 27373), (22, 27448), (23, 27499), (24, 27568), (25, 27661), (26, 27715), (27, 27721), (28, 27739), (29, 27772), (30, 27775), (31, 27778), (33, 27826),

Gene: Redi_44 Start: 31044, Stop: 31706, Start Num: 10
Candidate Starts for Redi_44:
(6, 30978), (8, 31014), (Start: 10 @31044 has 11 MA's), (13, 31074), (15, 31104), (17, 31131), (19, 31170), (21, 31242), (22, 31317), (23, 31368), (24, 31437), (25, 31530), (26, 31584), (27, 31590), (28, 31608), (29, 31641), (30, 31644), (31, 31647), (33, 31695),

Gene: ShrimpFriedEgg_44 Start: 31044, Stop: 31706, Start Num: 10
Candidate Starts for ShrimpFriedEgg_44:
(6, 30978), (8, 31014), (Start: 10 @31044 has 11 MA's), (13, 31074), (15, 31104), (17, 31131), (19, 31170), (21, 31242), (22, 31317), (23, 31368), (24, 31437), (25, 31530), (26, 31584), (27, 31590), (28, 31608), (29, 31641), (30, 31644), (31, 31647), (33, 31695),

Gene: Spinach_44 Start: 31044, Stop: 31706, Start Num: 10
Candidate Starts for Spinach_44:
(6, 30978), (8, 31014), (Start: 10 @31044 has 11 MA's), (13, 31074), (15, 31104), (17, 31131), (19, 31170), (21, 31242), (22, 31317), (23, 31368), (24, 31437), (25, 31530), (26, 31584), (27, 31590), (28, 31608), (29, 31641), (30, 31644), (31, 31647), (33, 31695),