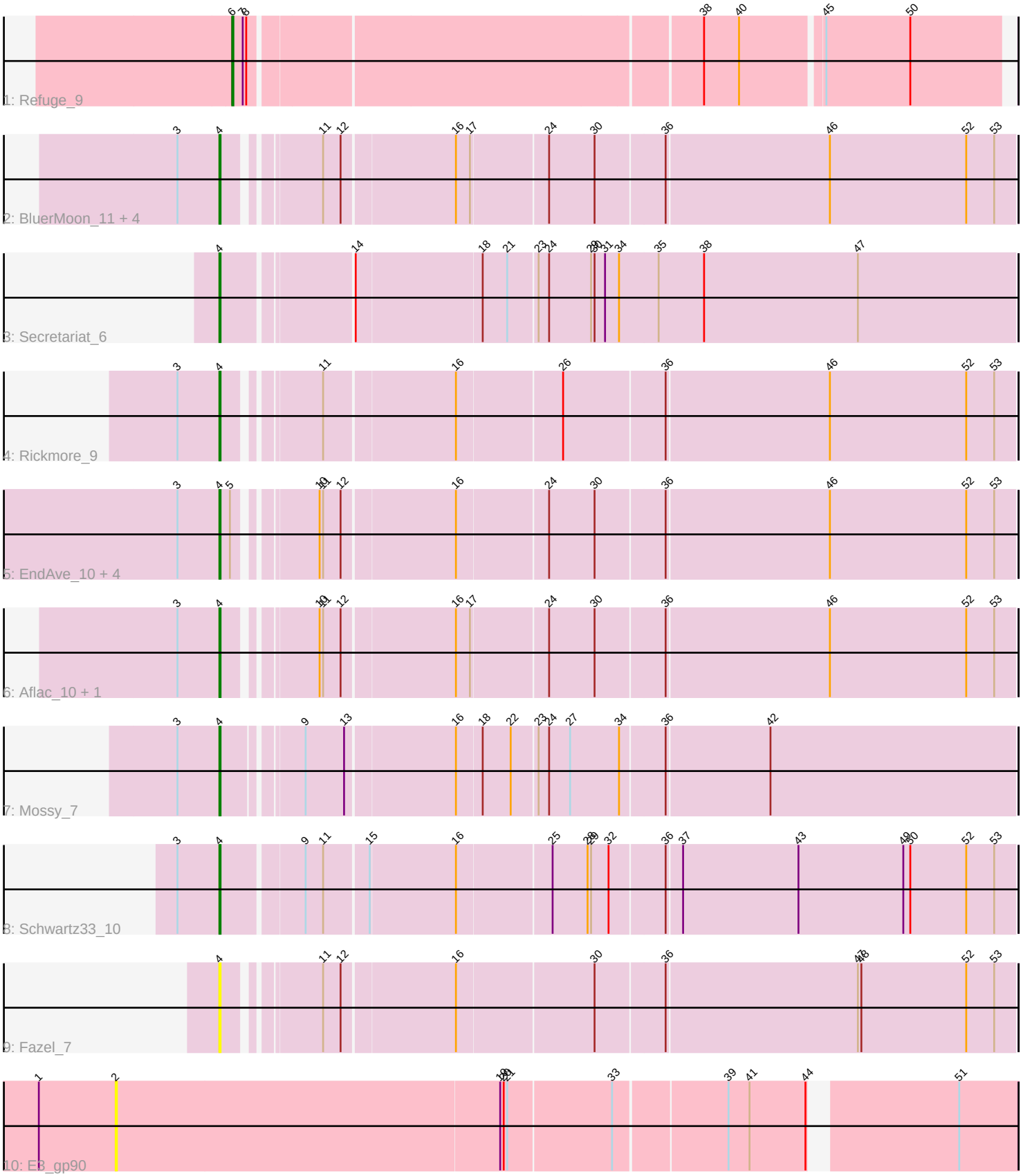
Pham 160791


1: Refuge_9
2: BluerMoon_11 + 4
3: Secretariat_6
4: Rickmore_9
5: EndAve_10 + 4
6: Aflac_10 + 1
7: Mossy_7
8: Schwartz33_10
9: Fazel_7
10: E3_gp90

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 160791 Report

This analysis was run 04/28/24 on database version 559.

Pham number 160791 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Refuge_9
• Track 2 : BluerMoon_11, OlgasClover_10, Eddiemania_9, Jodelie19_10, TenaciousP_11
• Track 3 : Secretariat_6
• Track 4 : Rickmore_9
• Track 5 : EndAve_10, Nithya_10, Chikenjars_10, Duffington_10, AlainaMarie_10
• Track 6 : Aflac_10, Figliar_10
• Track 7 : Mossy_7
• Track 8 : Schwartz33_10
• Track 9 : Fazel_7
• Track 10 : E3_gp90

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_10, AlainaMarie_10, BluerMoon_11, Chikenjars_10, Duffington_10, Eddiemania_9, EndAve_10, Fazel_7, Figliar_10, Jodelie19_10, Mossy_7, Nithya_10, OlgasClover_10, Rickmore_9, Schwartz33_10, Secretariat_6, TenaciousP_11,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• E3_gp90, Refuge_9,

Summary by start number:

Start 2:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: E3_gp90 (singleton),

Start 4:
• Found in 17 of 19 (89.5%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aflac_10 (DJ), AlainaMarie_10 (DJ), BluerMoon_11 (DJ), Chikenjars_10 (DJ), Duffington_10 (DJ), Eddiemania_9 (DJ), EndAve_10 (DJ), Fazel_7 (DJ), Figliar_10 (DJ), Jodelie19_10 (DJ), Mossy_7 (DJ), Nithya_10 (DJ), OlgasClover_10 (DJ), Rickmore_9 (DJ), Schwartz33_10 (DJ), Secretariat_6 (DJ), TenaciousP_11 (DJ),

Start 6:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Refuge_9 (A12),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DJ, A12,

Info for manual annotations of cluster A12:
•Start number 6 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster DJ:
•Start number 4 was manually annotated 13 times for cluster DJ.

Gene Information:

Gene: Aflac_10 Start: 5221, Stop: 5865, Start Num: 4
Candidate Starts for Aflac_10:
(3, 5185), (Start: 4 @5221 has 13 MA's), (10, 5287), (11, 5290), (12, 5305), (16, 5398), (17, 5410), (24, 5473), (30, 5512), (36, 5569), (46, 5707), (52, 5824), (53, 5848),

Gene: AlainaMarie_10 Start: 5212, Stop: 5856, Start Num: 4
Candidate Starts for AlainaMarie_10:
(3, 5176), (Start: 4 @5212 has 13 MA's), (5, 5221), (10, 5278), (11, 5281), (12, 5296), (16, 5389), (24, 5464), (30, 5503), (36, 5560), (46, 5698), (52, 5815), (53, 5839),

Gene: BluerMoon_11 Start: 5215, Stop: 5859, Start Num: 4
Candidate Starts for BluerMoon_11:
(3, 5179), (Start: 4 @5215 has 13 MA's), (11, 5284), (12, 5299), (16, 5392), (17, 5404), (24, 5467), (30, 5506), (36, 5563), (46, 5701), (52, 5818), (53, 5842),

Gene: Chikenjars_10 Start: 5212, Stop: 5856, Start Num: 4
Candidate Starts for Chikenjars_10:
(3, 5176), (Start: 4 @5212 has 13 MA's), (5, 5221), (10, 5278), (11, 5281), (12, 5296), (16, 5389), (24, 5464), (30, 5503), (36, 5560), (46, 5698), (52, 5815), (53, 5839),

Gene: Duffington_10 Start: 5197, Stop: 5841, Start Num: 4

Candidate Starts for Duffington_10:
(3, 5161), (Start: 4 @5197 has 13 MA's), (5, 5206), (10, 5263), (11, 5266), (12, 5281), (16, 5374), (24, 5449), (30, 5488), (36, 5545), (46, 5683), (52, 5800), (53, 5824),

Gene: E3_gp90 Start: 51623, Stop: 52363, Start Num: 2
Candidate Starts for E3_gp90:
(1, 51557), (2, 51623), (19, 51950), (20, 51953), (21, 51956), (33, 52043), (39, 52136), (41, 52154), (44, 52202), (51, 52313),

Gene: Eddiemania_9 Start: 4403, Stop: 5047, Start Num: 4
Candidate Starts for Eddiemania_9:
(3, 4367), (Start: 4 @4403 has 13 MA's), (11, 4472), (12, 4487), (16, 4580), (17, 4592), (24, 4655), (30, 4694), (36, 4751), (46, 4889), (52, 5006), (53, 5030),

Gene: EndAve_10 Start: 5212, Stop: 5856, Start Num: 4
Candidate Starts for EndAve_10:
(3, 5176), (Start: 4 @5212 has 13 MA's), (5, 5221), (10, 5278), (11, 5281), (12, 5296), (16, 5389), (24, 5464), (30, 5503), (36, 5560), (46, 5698), (52, 5815), (53, 5839),

Gene: Fazel_7 Start: 3942, Stop: 4586, Start Num: 4
Candidate Starts for Fazel_7:
(Start: 4 @3942 has 13 MA's), (11, 4011), (12, 4026), (16, 4119), (30, 4233), (36, 4290), (47, 4452), (48, 4455), (52, 4545), (53, 4569),

Gene: Figliar_10 Start: 5221, Stop: 5865, Start Num: 4
Candidate Starts for Figliar_10:
(3, 5185), (Start: 4 @5221 has 13 MA's), (10, 5287), (11, 5290), (12, 5305), (16, 5398), (17, 5410), (24, 5473), (30, 5512), (36, 5569), (46, 5707), (52, 5824), (53, 5848),

Gene: Jodelie19_10 Start: 5215, Stop: 5859, Start Num: 4
Candidate Starts for Jodelie19_10:
(3, 5179), (Start: 4 @5215 has 13 MA's), (11, 5284), (12, 5299), (16, 5392), (17, 5404), (24, 5467), (30, 5506), (36, 5563), (46, 5701), (52, 5818), (53, 5842),

Gene: Mossy_7 Start: 3064, Stop: 3714, Start Num: 4
Candidate Starts for Mossy_7:
(3, 3028), (Start: 4 @3064 has 13 MA's), (9, 3124), (13, 3157), (16, 3247), (18, 3268), (22, 3292), (23, 3313), (24, 3322), (27, 3340), (34, 3382), (36, 3418), (42, 3505),

Gene: Nithya_10 Start: 5212, Stop: 5856, Start Num: 4
Candidate Starts for Nithya_10:
(3, 5176), (Start: 4 @5212 has 13 MA's), (5, 5221), (10, 5278), (11, 5281), (12, 5296), (16, 5389), (24, 5464), (30, 5503), (36, 5560), (46, 5698), (52, 5815), (53, 5839),

Gene: OlgasClover_10 Start: 5212, Stop: 5856, Start Num: 4
Candidate Starts for OlgasClover_10:
(3, 5176), (Start: 4 @5212 has 13 MA's), (11, 5281), (12, 5296), (16, 5389), (17, 5401), (24, 5464), (30, 5503), (36, 5560), (46, 5698), (52, 5815), (53, 5839),

Gene: Refuge_9 Start: 5854, Stop: 6480, Start Num: 6
Candidate Starts for Refuge_9:
(Start: 6 @5854 has 1 MA's), (7, 5863), (8, 5866), (38, 6235), (40, 6265), (45, 6331), (50, 6403),

Gene: Rickmore_9 Start: 3777, Stop: 4421, Start Num: 4
Candidate Starts for Rickmore_9:
(3, 3741), (Start: 4 @3777 has 13 MA's), (11, 3846), (16, 3954), (26, 4041), (36, 4125), (46, 4263), (52, 4380), (53, 4404),

Gene: Schwartz33_10 Start: 5228, Stop: 5884, Start Num: 4
Candidate Starts for Schwartz33_10:
(3, 5195), (Start: 4 @5228 has 13 MA's), (9, 5294), (11, 5309), (15, 5345), (16, 5417), (25, 5495), (28, 5525), (29, 5528), (32, 5543), (36, 5588), (37, 5600), (43, 5699), (49, 5789), (50, 5795), (52, 5843), (53, 5867),

Gene: Secretariat_6 Start: 2831, Stop: 3490, Start Num: 4
Candidate Starts for Secretariat_6:
(Start: 4 @2831 has 13 MA's), (14, 2933), (18, 3038), (21, 3059), (23, 3083), (24, 3092), (29, 3128), (30, 3131), (31, 3140), (34, 3152), (35, 3185), (38, 3224), (47, 3356),

Gene: TenaciousP_11 Start: 5215, Stop: 5859, Start Num: 4
Candidate Starts for TenaciousP_11:
(3, 5179), (Start: 4 @5215 has 13 MA's), (11, 5284), (12, 5299), (16, 5392), (17, 5404), (24, 5467), (30, 5506), (36, 5563), (46, 5701), (52, 5818), (53, 5842),