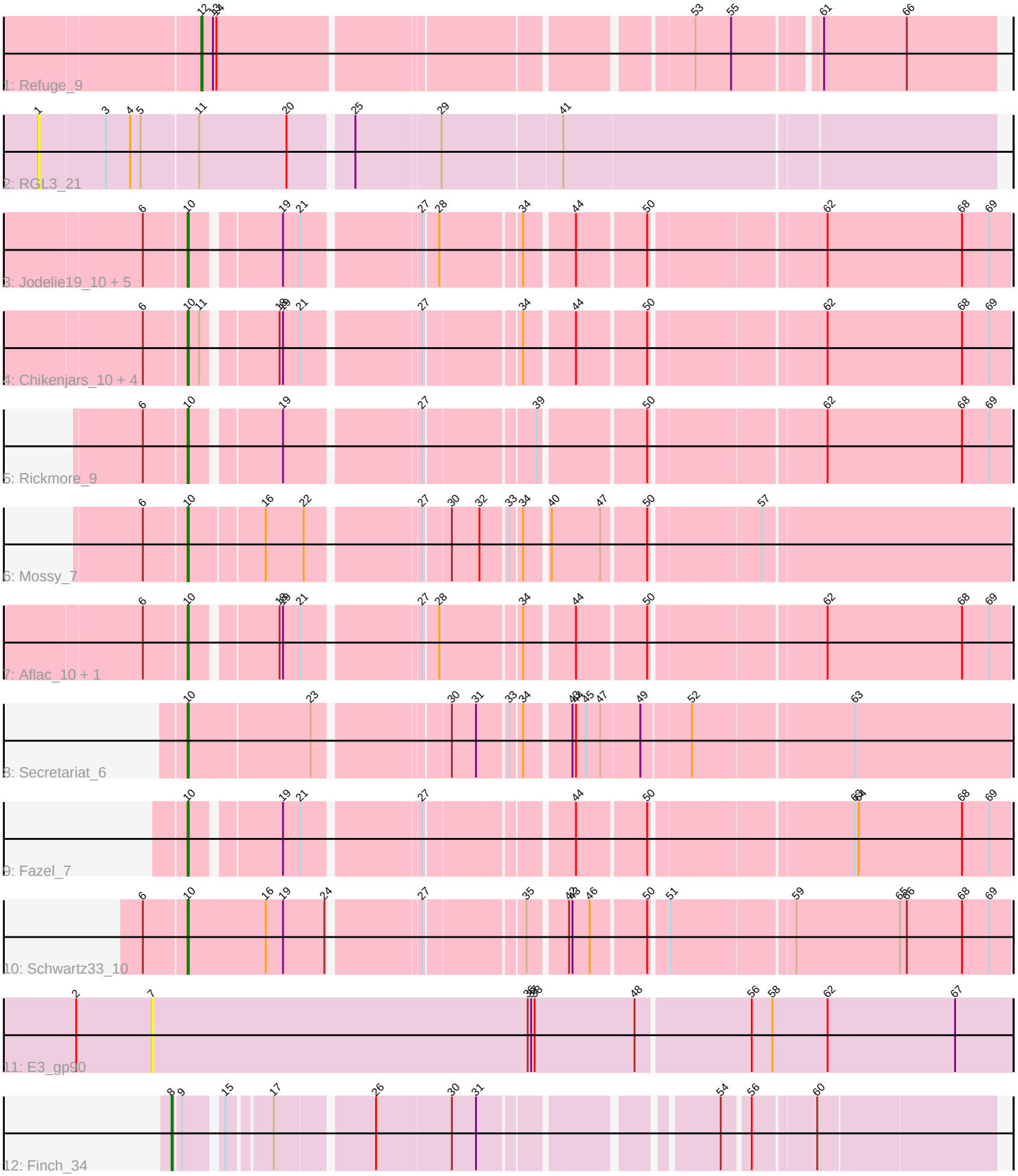
Pham 198397


1: Refuge_9
2: RGL3_21
3: Jodelie19_10 + 5
4: Chikenjars_10 + 4
5: Rickmore_9
6: Mossy_7
7: Aflac_10 + 1
8: Secretariat_6
9: Fazel_7
10: Schwartz33_10
11: E3_gp90
12: Finch_34

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 198397 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198397 has 22 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Refuge_9
• Track 2 : RGL3_21
• Track 3 : Jodelie19_10, TenaciousP_10, MajinBuu_11, BluerMoon_11, OlgasClover_10, Eddiemania_9
• Track 4 : Chikenjars_10, Duffington_10, EndAve_10, Nithya_10, AlainaMarie_10
• Track 5 : Rickmore_9
• Track 6 : Mossy_7
• Track 7 : Aflac_10, Figliar_10
• Track 8 : Secretariat_6
• Track 9 : Fazel_7
• Track 10 : Schwartz33_10
• Track 11 : E3_gp90
• Track 12 : Finch_34

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 16 of the 18 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, MajinBuu_11, Mossy_7, Nithya_10, OlgasClover_10, Rickmore_9, Schwartz33_10, Secretariat_6, TenaciousP_10,

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

Genes that do not have the "Most Annotated" start:
• E3_gp90, Finch_34, RGL3_21, Refuge_9,

Summary by start number:

Start 1:

• Found in 1 of 22 (4.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RGL3_21 (CA),

Start 7:
• Found in 1 of 22 (4.5%) 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 8:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_34 (singleton),

Start 10:
• Found in 18 of 22 (81.8%) of genes in pham
• Manual Annotations of this start: 16 of 18
• 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), MajinBuu_11 (DJ), Mossy_7 (DJ), Nithya_10 (DJ), OlgasClover_10 (DJ), Rickmore_9 (DJ), Schwartz33_10 (DJ), Secretariat_6 (DJ), TenaciousP_10 (DJ),

Start 12:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Refuge_9 (A12),

Summary by clusters:

There are 4 clusters represented in this pham: CA, DJ, singleton, A12,

Info for manual annotations of cluster A12:
•Start number 12 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster DJ:
•Start number 10 was manually annotated 16 times for cluster DJ.

Gene Information:

Gene: Aflac_10 Start: 5221, Stop: 5865, Start Num: 10
Candidate Starts for Aflac_10:
(6, 5185), (Start: 10 @5221 has 16 MA's), (18, 5287), (19, 5290), (21, 5305), (27, 5398), (28, 5410), (34, 5473), (44, 5512), (50, 5569), (62, 5707), (68, 5824), (69, 5848),

Gene: AlainaMarie_10 Start: 5212, Stop: 5856, Start Num: 10
Candidate Starts for AlainaMarie_10:
(6, 5176), (Start: 10 @5212 has 16 MA's), (11, 5221), (18, 5278), (19, 5281), (21, 5296), (27, 5389), (34, 5464), (44, 5503), (50, 5560), (62, 5698), (68, 5815), (69, 5839),

Gene: BluerMoon_11 Start: 5215, Stop: 5859, Start Num: 10
Candidate Starts for BluerMoon_11:
(6, 5179), (Start: 10 @5215 has 16 MA's), (19, 5284), (21, 5299), (27, 5392), (28, 5404), (34, 5467), (44, 5506), (50, 5563), (62, 5701), (68, 5818), (69, 5842),

Gene: Chikenjars_10 Start: 5212, Stop: 5856, Start Num: 10
Candidate Starts for Chikenjars_10:
(6, 5176), (Start: 10 @5212 has 16 MA's), (11, 5221), (18, 5278), (19, 5281), (21, 5296), (27, 5389), (34, 5464), (44, 5503), (50, 5560), (62, 5698), (68, 5815), (69, 5839),

Gene: Duffington_10 Start: 5197, Stop: 5841, Start Num: 10
Candidate Starts for Duffington_10:
(6, 5161), (Start: 10 @5197 has 16 MA's), (11, 5206), (18, 5263), (19, 5266), (21, 5281), (27, 5374), (34, 5449), (44, 5488), (50, 5545), (62, 5683), (68, 5800), (69, 5824),

Gene: E3_gp90 Start: 51623, Stop: 52363, Start Num: 7
Candidate Starts for E3_gp90:
(2, 51557), (7, 51623), (36, 51950), (37, 51953), (38, 51956), (48, 52043), (56, 52136), (58, 52154), (62, 52202), (67, 52313),

Gene: Eddiemania_9 Start: 4403, Stop: 5047, Start Num: 10
Candidate Starts for Eddiemania_9:
(6, 4367), (Start: 10 @4403 has 16 MA's), (19, 4472), (21, 4487), (27, 4580), (28, 4592), (34, 4655), (44, 4694), (50, 4751), (62, 4889), (68, 5006), (69, 5030),

Gene: EndAve_10 Start: 5212, Stop: 5856, Start Num: 10
Candidate Starts for EndAve_10:
(6, 5176), (Start: 10 @5212 has 16 MA's), (11, 5221), (18, 5278), (19, 5281), (21, 5296), (27, 5389), (34, 5464), (44, 5503), (50, 5560), (62, 5698), (68, 5815), (69, 5839),

Gene: Fazel_7 Start: 3942, Stop: 4586, Start Num: 10
Candidate Starts for Fazel_7:
(Start: 10 @3942 has 16 MA's), (19, 4011), (21, 4026), (27, 4119), (44, 4233), (50, 4290), (63, 4452), (64, 4455), (68, 4545), (69, 4569),

Gene: Figliar_10 Start: 5221, Stop: 5865, Start Num: 10
Candidate Starts for Figliar_10:
(6, 5185), (Start: 10 @5221 has 16 MA's), (18, 5287), (19, 5290), (21, 5305), (27, 5398), (28, 5410), (34, 5473), (44, 5512), (50, 5569), (62, 5707), (68, 5824), (69, 5848),

Gene: Finch_34 Start: 28684, Stop: 29307, Start Num: 8
Candidate Starts for Finch_34:
(Start: 8 @28684 has 1 MA's), (9, 28690), (15, 28717), (17, 28750), (26, 28828), (30, 28891), (31, 28912), (54, 29086), (56, 29107), (60, 29158),

Gene: Jodelie19_10 Start: 5215, Stop: 5859, Start Num: 10
Candidate Starts for Jodelie19_10:

(6, 5179), (Start: 10 @5215 has 16 MA's), (19, 5284), (21, 5299), (27, 5392), (28, 5404), (34, 5467), (44, 5506), (50, 5563), (62, 5701), (68, 5818), (69, 5842),

Gene: MajinBuu_11 Start: 5215, Stop: 5859, Start Num: 10
Candidate Starts for MajinBuu_11:
(6, 5179), (Start: 10 @5215 has 16 MA's), (19, 5284), (21, 5299), (27, 5392), (28, 5404), (34, 5467), (44, 5506), (50, 5563), (62, 5701), (68, 5818), (69, 5842),

Gene: Mossy_7 Start: 3064, Stop: 3714, Start Num: 10
Candidate Starts for Mossy_7:
(6, 3028), (Start: 10 @3064 has 16 MA's), (16, 3124), (22, 3157), (27, 3247), (30, 3268), (32, 3292), (33, 3313), (34, 3322), (40, 3340), (47, 3382), (50, 3418), (57, 3505),

Gene: Nithya_10 Start: 5212, Stop: 5856, Start Num: 10
Candidate Starts for Nithya_10:
(6, 5176), (Start: 10 @5212 has 16 MA's), (11, 5221), (18, 5278), (19, 5281), (21, 5296), (27, 5389), (34, 5464), (44, 5503), (50, 5560), (62, 5698), (68, 5815), (69, 5839),

Gene: OlgasClover_10 Start: 5212, Stop: 5856, Start Num: 10
Candidate Starts for OlgasClover_10:
(6, 5176), (Start: 10 @5212 has 16 MA's), (19, 5281), (21, 5296), (27, 5389), (28, 5401), (34, 5464), (44, 5503), (50, 5560), (62, 5698), (68, 5815), (69, 5839),

Gene: RGL3_21 Start: 18648, Stop: 19442, Start Num: 1
Candidate Starts for RGL3_21:
(1, 18648), (3, 18705), (4, 18726), (5, 18735), (11, 18783), (20, 18858), (25, 18909), (29, 18978), (41, 19077),

Gene: Refuge_9 Start: 5854, Stop: 6480, Start Num: 12
Candidate Starts for Refuge_9:
(Start: 12 @5854 has 1 MA's), (13, 5863), (14, 5866), (53, 6235), (55, 6265), (61, 6331), (66, 6403),

Gene: Rickmore_9 Start: 3777, Stop: 4421, Start Num: 10
Candidate Starts for Rickmore_9:
(6, 3741), (Start: 10 @3777 has 16 MA's), (19, 3846), (27, 3954), (39, 4041), (50, 4125), (62, 4263), (68, 4380), (69, 4404),

Gene: Schwartz33_10 Start: 5228, Stop: 5884, Start Num: 10
Candidate Starts for Schwartz33_10:
(6, 5195), (Start: 10 @5228 has 16 MA's), (16, 5294), (19, 5309), (24, 5345), (27, 5417), (35, 5495), (42, 5525), (43, 5528), (46, 5543), (50, 5588), (51, 5600), (59, 5699), (65, 5789), (66, 5795), (68, 5843), (69, 5867),

Gene: Secretariat_6 Start: 2831, Stop: 3490, Start Num: 10
Candidate Starts for Secretariat_6:
(Start: 10 @2831 has 16 MA's), (23, 2933), (30, 3038), (31, 3059), (33, 3083), (34, 3092), (43, 3128), (44, 3131), (45, 3140), (47, 3152), (49, 3185), (52, 3224), (63, 3356),

Gene: TenaciousP_10 Start: 5215, Stop: 5859, Start Num: 10
Candidate Starts for TenaciousP_10:
(6, 5179), (Start: 10 @5215 has 16 MA's), (19, 5284), (21, 5299), (27, 5392), (28, 5404), (34, 5467), (44, 5506), (50, 5563), (62, 5701), (68, 5818), (69, 5842),