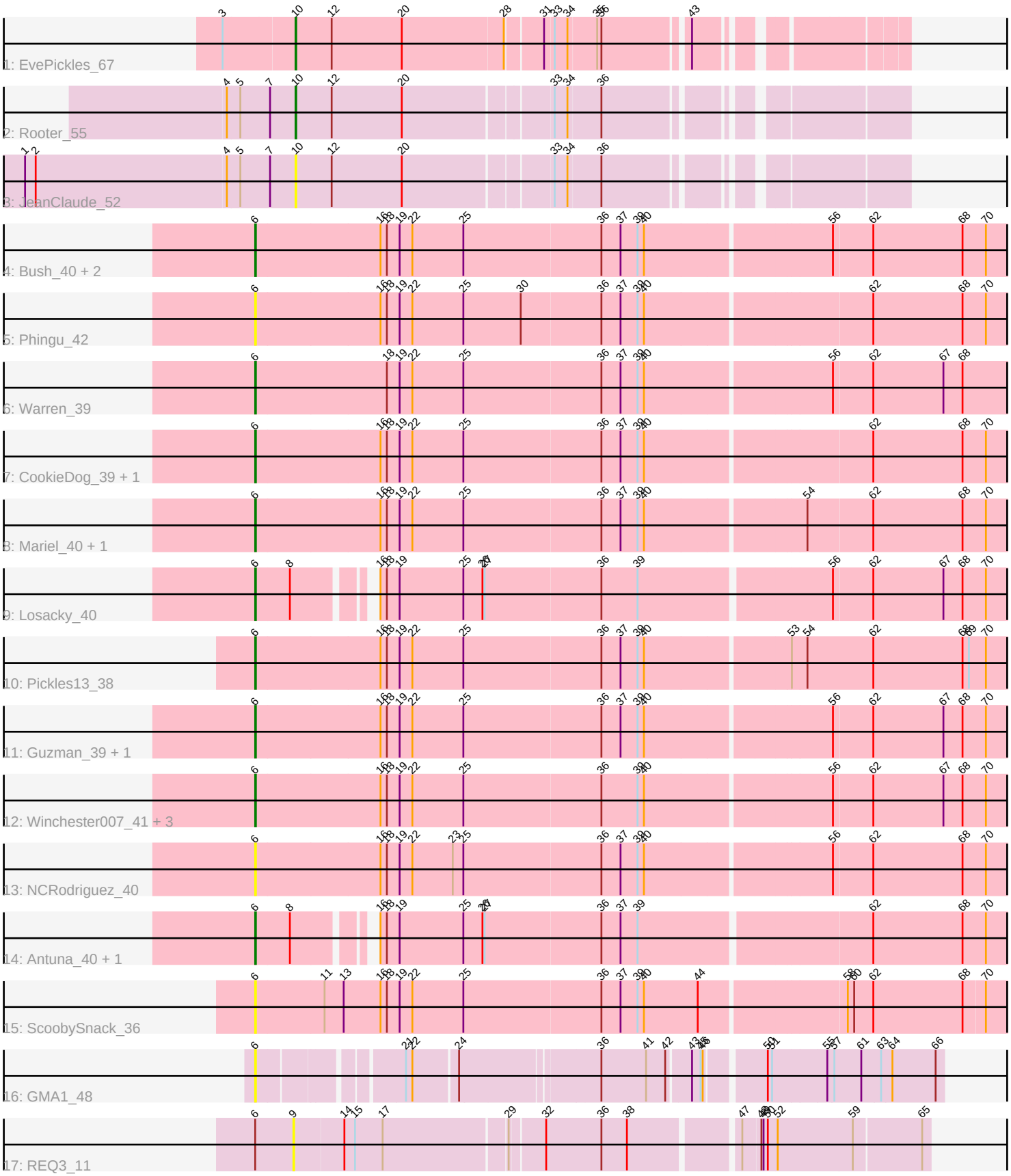
Pham 347956


1: EvePickles_67
2: Rooter_55
3: JeanClaude_52
4: Bush_40 + 2
5: Phingu_42
6: Warren_39
7: CookieDog_39 + 1
8: Mariel_40 + 1
9: Losacky_40
10: Pickles13_38
11: Guzman_39 + 1
12: Winchester007_41 + 3
13: NCRodriguez_40
14: Antuna_40 + 1
15: ScoobySnack_36
16: GMA1_48
17: REQ3_11

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 347956 Report

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

Pham number 347956 has 26 members, 7 are drafts.

Phages represented in each track:
- Track 1 : EvePickles_67
- Track 2 : Rooter_55
- Track 3 : JeanClaude_52
- Track 4 : Bush_40, Phonegingi_39, Blett_39
- Track 5 : Phingu_42
- Track 6 : Warren_39
- Track 7 : CookieDog_39, Violeta_41
- Track 8 : Mariel_40, Carrillo_41
- Track 9 : Losacky_40
- Track 10 : Pickles13_38
- Track 11 : Guzman_39, Jakelyne_41
- Track 12 : Winchester007_41, Dropshot_39, PhillyJawn_40, Appa_39
- Track 13 : NCRodriguez_40
- Track 14 : Antuna_40, MenE_40
- Track 15 : ScoobySnack_36
- Track 16 : GMA1_48
- Track 17 : REQ3_11

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

The start number called the most often in the published annotations is 6, it was called in 17 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Antuna_40, Appa_39, Blett_39, Bush_40, Carrillo_41, CookieDog_39, Dropshot_39, GMA1_48, Guzman_39, Jakelyne_41, Losacky_40, Mariel_40, MenE_40, NCRodriguez_40, PhillyJawn_40, Phingu_42, Phonegingi_39, Pickles13_38, ScoobySnack_36, Violeta_41, Warren_39, Winchester007_41,

Genes that have the "Most Annotated" start but do not call it:
- REQ3_11,

Genes that do not have the "Most Annotated" start:
- EvePickles_67, JeanClaude_52, Rooter_55,

Summary by start number:

Start 6:
• Found in 23 of 26 (88.5%) of genes in pham
• Manual Annotations of this start: 17 of 19
• Called 95.7% of time when present
• Phage (with cluster) where this start called: Antuna_40 (GA), Appa_39 (GA), Blett_39 (GA), Bush_40 (GA), Carrillo_41 (GA), CookieDog_39 (GA), Dropshot_39 (GA), GMA1_48 (singleton), Guzman_39 (GA), Jakelyne_41 (GA), Losacky_40 (GA), Mariel_40 (GA), MenE_40 (GA), NCRodriguez_40 (GA), PhillyJawn_40 (GA), Phingu_42 (GA), Phonegingi_39 (GA), Pickles13_38 (GA), ScoobySnack_36 (GA), Violeta_41 (GA), Warren_39 (GA), Winchester007_41 (GA),

Start 9:
• Found in 1 of 26 (3.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ3_11 (singleton),

Start 10:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EvePickles_67 (AY), JeanClaude_52 (FB), Rooter_55 (FB),

Summary by clusters:

There are 4 clusters represented in this pham: AY, singleton, FB, GA,

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

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

Info for manual annotations of cluster GA:
•Start number 6 was manually annotated 17 times for cluster GA.

Gene Information:

Gene: Antuna_40 Start: 24339, Stop: 25343, Start Num: 6
Candidate Starts for Antuna_40:
(Start: 6 @24339 has 17 MA's), (8, 24387), (16, 24474), (18, 24483), (19, 24501), (25, 24591), (26, 24618), (27, 24621), (36, 24783), (37, 24810), (39, 24834), (62, 25140), (68, 25266), (70, 25299),

Gene: Appa_39 Start: 24216, Stop: 25265, Start Num: 6
Candidate Starts for Appa_39:
(Start: 6 @24216 has 17 MA's), (16, 24390), (18, 24399), (19, 24417), (22, 24435), (25, 24507), (36, 24699), (39, 24750), (40, 24759), (56, 25008), (62, 25062), (67, 25161), (68, 25188), (70, 25221),

Gene: Blett_39 Start: 24396, Stop: 25445, Start Num: 6
Candidate Starts for Blett_39:
(Start: 6 @24396 has 17 MA's), (16, 24570), (18, 24579), (19, 24597), (22, 24615), (25, 24687), (36, 24879), (37, 24906), (39, 24930), (40, 24939), (56, 25188), (62, 25242), (68, 25368), (70, 25401),

Gene: Bush_40 Start: 24344, Stop: 25393, Start Num: 6
Candidate Starts for Bush_40:
(Start: 6 @24344 has 17 MA's), (16, 24518), (18, 24527), (19, 24545), (22, 24563), (25, 24635), (36, 24827), (37, 24854), (39, 24878), (40, 24887), (56, 25136), (62, 25190), (68, 25316), (70, 25349),

Gene: Carrillo_41 Start: 24317, Stop: 25366, Start Num: 6
Candidate Starts for Carrillo_41:
(Start: 6 @24317 has 17 MA's), (16, 24491), (18, 24500), (19, 24518), (22, 24536), (25, 24608), (36, 24800), (37, 24827), (39, 24851), (40, 24860), (54, 25073), (62, 25163), (68, 25289), (70, 25322),

Gene: CookieDog_39 Start: 24317, Stop: 25366, Start Num: 6
Candidate Starts for CookieDog_39:
(Start: 6 @24317 has 17 MA's), (16, 24491), (18, 24500), (19, 24518), (22, 24536), (25, 24608), (36, 24800), (37, 24827), (39, 24851), (40, 24860), (62, 25163), (68, 25289), (70, 25322),

Gene: Dropshot_39 Start: 24051, Stop: 25100, Start Num: 6
Candidate Starts for Dropshot_39:
(Start: 6 @24051 has 17 MA's), (16, 24225), (18, 24234), (19, 24252), (22, 24270), (25, 24342), (36, 24534), (39, 24585), (40, 24594), (56, 24843), (62, 24897), (67, 24996), (68, 25023), (70, 25056),

Gene: EvePickles_67 Start: 37425, Stop: 38189, Start Num: 10
Candidate Starts for EvePickles_67:
(3, 37329), (Start: 10 @37425 has 2 MA's), (12, 37476), (20, 37575), (28, 37716), (31, 37764), (33, 37776), (34, 37794), (35, 37833), (36, 37839), (43, 37950),

Gene: GMA1_48 Start: 31243, Stop: 32121, Start Num: 6
Candidate Starts for GMA1_48:
(Start: 6 @31243 has 17 MA's), (21, 31420), (22, 31429), (24, 31489), (36, 31672), (41, 31735), (42, 31762), (43, 31792), (45, 31804), (46, 31807), (50, 31882), (51, 31888), (55, 31963), (57, 31972), (61, 32008), (63, 32035), (64, 32050), (66, 32110),

Gene: Guzman_39 Start: 24315, Stop: 25364, Start Num: 6
Candidate Starts for Guzman_39:
(Start: 6 @24315 has 17 MA's), (16, 24489), (18, 24498), (19, 24516), (22, 24534), (25, 24606), (36, 24798), (37, 24825), (39, 24849), (40, 24858), (56, 25107), (62, 25161), (67, 25260), (68, 25287), (70, 25320),

Gene: Jakelyne_41 Start: 24456, Stop: 25475, Start Num: 6
Candidate Starts for Jakelyne_41:
(Start: 6 @24456 has 17 MA's), (16, 24630), (18, 24639), (19, 24657), (22, 24675), (25, 24747), (36, 24939), (37, 24966), (39, 24990), (40, 24999), (56, 25218), (62, 25272), (67, 25371), (68, 25398), (70, 25431),

Gene: JeanClaude_52 Start: 28974, Stop: 29741, Start Num: 10
Candidate Starts for JeanClaude_52:
(1, 28596), (2, 28611), (4, 28878), (5, 28896), (7, 28938), (Start: 10 @28974 has 2 MA's), (12, 29025), (20, 29124), (33, 29319), (34, 29337), (36, 29382),

Gene: Losacky_40 Start: 24481, Stop: 25485, Start Num: 6
Candidate Starts for Losacky_40:
(Start: 6 @24481 has 17 MA's), (8, 24529), (16, 24616), (18, 24625), (19, 24643), (25, 24733), (26, 24760), (27, 24763), (36, 24925), (39, 24976), (56, 25228), (62, 25282), (67, 25381), (68, 25408), (70, 25441),

Gene: Mariel_40 Start: 24785, Stop: 25834, Start Num: 6
Candidate Starts for Mariel_40:
(Start: 6 @24785 has 17 MA's), (16, 24959), (18, 24968), (19, 24986), (22, 25004), (25, 25076), (36, 25268), (37, 25295), (39, 25319), (40, 25328), (54, 25541), (62, 25631), (68, 25757), (70, 25790),

Gene: MenE_40 Start: 24361, Stop: 25365, Start Num: 6
Candidate Starts for MenE_40:
(Start: 6 @24361 has 17 MA's), (8, 24409), (16, 24496), (18, 24505), (19, 24523), (25, 24613), (26, 24640), (27, 24643), (36, 24805), (37, 24832), (39, 24856), (62, 25162), (68, 25288), (70, 25321),

Gene: NCRodriguez_40 Start: 24538, Stop: 25587, Start Num: 6
Candidate Starts for NCRodriguez_40:
(Start: 6 @24538 has 17 MA's), (16, 24712), (18, 24721), (19, 24739), (22, 24757), (23, 24814), (25, 24829), (36, 25021), (37, 25048), (39, 25072), (40, 25081), (56, 25330), (62, 25384), (68, 25510), (70, 25543),

Gene: PhillyJawn_40 Start: 24213, Stop: 25262, Start Num: 6
Candidate Starts for PhillyJawn_40:
(Start: 6 @24213 has 17 MA's), (16, 24387), (18, 24396), (19, 24414), (22, 24432), (25, 24504), (36, 24696), (39, 24747), (40, 24756), (56, 25005), (62, 25059), (67, 25158), (68, 25185), (70, 25218),

Gene: Phingu_42 Start: 24429, Stop: 25478, Start Num: 6
Candidate Starts for Phingu_42:
(Start: 6 @24429 has 17 MA's), (16, 24603), (18, 24612), (19, 24630), (22, 24648), (25, 24720), (30, 24801), (36, 24912), (37, 24939), (39, 24963), (40, 24972), (62, 25275), (68, 25401), (70, 25434),

Gene: Phonegingi_39 Start: 24253, Stop: 25311, Start Num: 6
Candidate Starts for Phonegingi_39:
(Start: 6 @24253 has 17 MA's), (16, 24427), (18, 24436), (19, 24454), (22, 24472), (25, 24544), (36, 24736), (37, 24763), (39, 24787), (40, 24796), (56, 25054), (62, 25108), (68, 25234), (70, 25267),

Gene: Pickles13_38 Start: 24523, Stop: 25575, Start Num: 6
Candidate Starts for Pickles13_38:
(Start: 6 @24523 has 17 MA's), (16, 24697), (18, 24706), (19, 24724), (22, 24742), (25, 24814), (36, 25006), (37, 25033), (39, 25057), (40, 25066), (53, 25258), (54, 25279), (62, 25372), (68, 25498), (69, 25507), (70, 25531),

Gene: REQ3_11 Start: 5140, Stop: 5982, Start Num: 9
Candidate Starts for REQ3_11:
(Start: 6 @5086 has 17 MA's), (9, 5140), (14, 5209), (15, 5224), (17, 5263), (29, 5431), (32, 5476), (36, 5554), (38, 5590), (47, 5728), (48, 5752), (49, 5755), (50, 5761), (52, 5773), (59, 5878), (65, 5971),

Gene: Rooter_55 Start: 30869, Stop: 31636, Start Num: 10
Candidate Starts for Rooter_55:
(4, 30773), (5, 30791), (7, 30833), (Start: 10 @30869 has 2 MA's), (12, 30920), (20, 31019), (33, 31214), (34, 31232), (36, 31277),

Gene: ScoobySnack_36 Start: 24034, Stop: 25080, Start Num: 6
Candidate Starts for ScoobySnack_36:
(Start: 6 @24034 has 17 MA's), (11, 24130), (13, 24157), (16, 24208), (18, 24217), (19, 24235), (22, 24253), (25, 24325), (36, 24517), (37, 24544), (39, 24568), (40, 24577), (44, 24652), (58, 24844), (60, 24853), (62, 24880), (68, 25006), (70, 25036),

Gene: Violeta_41 Start: 24308, Stop: 25357, Start Num: 6
Candidate Starts for Violeta_41:
(Start: 6 @24308 has 17 MA's), (16, 24482), (18, 24491), (19, 24509), (22, 24527), (25, 24599), (36, 24791), (37, 24818), (39, 24842), (40, 24851), (62, 25154), (68, 25280), (70, 25313),

Gene: Warren_39 Start: 24269, Stop: 25318, Start Num: 6
Candidate Starts for Warren_39:
(Start: 6 @24269 has 17 MA's), (18, 24452), (19, 24470), (22, 24488), (25, 24560), (36, 24752), (37, 24779), (39, 24803), (40, 24812), (56, 25061), (62, 25115), (67, 25214), (68, 25241),

Gene: Winchester007_41 Start: 24351, Stop: 25400, Start Num: 6
Candidate Starts for Winchester007_41:
(Start: 6 @24351 has 17 MA's), (16, 24525), (18, 24534), (19, 24552), (22, 24570), (25, 24642), (36, 24834), (39, 24885), (40, 24894), (56, 25143), (62, 25197), (67, 25296), (68, 25323), (70, 25356),