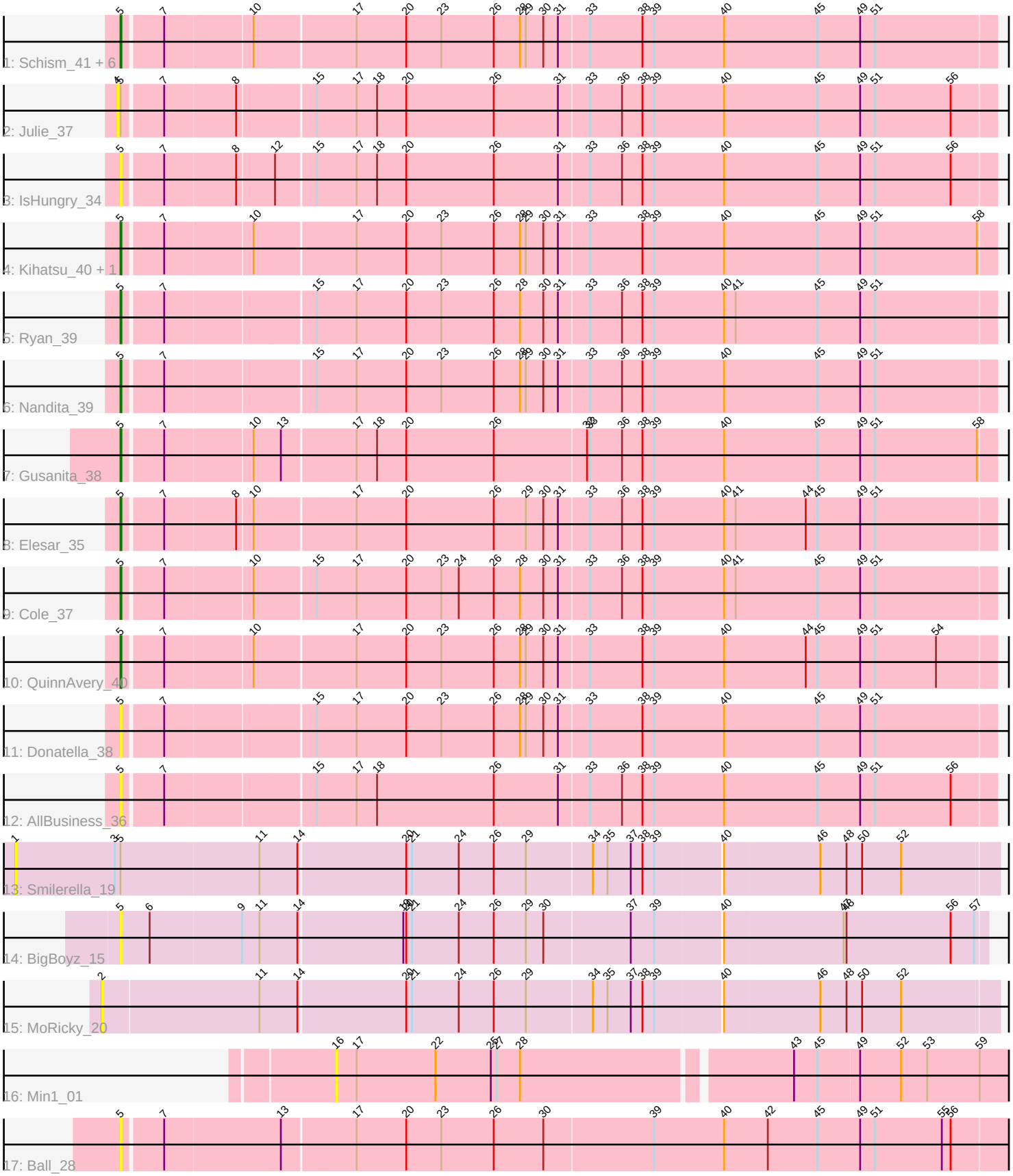
Pham 224854


1: Schism_41 + 6
2: Julie_37
3: IsHungry_34
4: Kihatsu_40 + 1
5: Ryan_39
6: Nandita_39
7: Gusanita_38
8: Elesar_35
9: Cole_37
10: QuinnAvery_40
11: Donatella_38
12: AllBusiness_36
13: Smilerella_19
14: BigBoyz_15
15: MoRicky_20
16: Min1_01
17: Ball_28

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 224854 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224854 has 24 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Schism_41, Popper_37, Ichiang_36, Halloweekend_36, Guinevere_39, Lenoxika_39, GoodLuckBabe_39
• Track 2 : Julie_37
• Track 3 : IsHungry_34
• Track 4 : Kihatsu_40, Zaheer_39
• Track 5 : Ryan_39
• Track 6 : Nandita_39
• Track 7 : Gusanita_38
• Track 8 : Elesar_35
• Track 9 : Cole_37
• Track 10 : QuinnAvery_40
• Track 11 : Donatella_38
• Track 12 : AllBusiness_36
• Track 13 : Smilerella_19
• Track 14 : BigBoyz_15
• Track 15 : MoRicky_20
• Track 16 : Min1_01
• Track 17 : Ball_28

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_36, Ball_28, BigBoyz_15, Cole_37, Donatella_38, Elesar_35, GoodLuckBabe_39, Guinevere_39, Gusanita_38, Halloweekend_36, Ichiang_36, IsHungry_34, Kihatsu_40, Lenoxika_39, Nandita_39, Popper_37, QuinnAvery_40, Ryan_39, Schism_41, Zaheer_39,

Genes that have the "Most Annotated" start but do not call it:
• Julie_37, Smilerella_19,

Genes that do not have the "Most Annotated" start:

• Min1_01, MoRicky_20,

Summary by start number:

Start 1:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Smilerella_19 (GH),

Start 2:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MoRicky_20 (GH),

Start 4:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Julie_37 (FF),

Start 5:
• Found in 22 of 24 (91.7%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 90.9% of time when present
• Phage (with cluster) where this start called: AllBusiness_36 (FF), Ball_28 (singleton), BigBoyz_15 (GH), Cole_37 (FF), Donatella_38 (FF), Elesar_35 (FF), GoodLuckBabe_39 (FF), Guinevere_39 (FF), Gusanita_38 (FF), Halloweekend_36 (FF), Ichiang_36 (FF), IsHungry_34 (FF), Kihatsu_40 (FF), Lenoxika_39 (FF), Nandita_39 (FF), Popper_37 (FF), QuinnAvery_40 (FF), Ryan_39 (FF), Schism_41 (FF), Zaheer_39 (FF),

Start 16:
• Found in 1 of 24 (4.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Min1_01 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FF, GH,

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 8 times for cluster FF.

Gene Information:

Gene: AllBusiness_36 Start: 29466, Stop: 28591, Start Num: 5
Candidate Starts for AllBusiness_36:

(Start: 5 @29466 has 8 MA's), (7, 29427), (15, 29280), (17, 29241), (18, 29220), (26, 29100), (31, 29034), (33, 29004), (36, 28971), (38, 28950), (39, 28938), (40, 28866), (45, 28770), (49, 28728), (51, 28713), (56, 28635),

Gene: Ball_28 Start: 23533, Stop: 22643, Start Num: 5
Candidate Starts for Ball_28:
(Start: 5 @23533 has 8 MA's), (7, 23494), (13, 23377), (17, 23305), (20, 23254), (23, 23218), (26, 23164), (30, 23113), (39, 23002), (40, 22930), (42, 22885), (45, 22834), (49, 22792), (51, 22777), (55, 22708), (56, 22699),

Gene: BigBoyz_15 Start: 12973, Stop: 12104, Start Num: 5
Candidate Starts for BigBoyz_15:
(Start: 5 @12973 has 8 MA's), (6, 12943), (9, 12850), (11, 12832), (14, 12793), (19, 12688), (20, 12685), (21, 12679), (24, 12631), (26, 12595), (29, 12562), (30, 12544), (37, 12457), (39, 12433), (40, 12367), (47, 12247), (48, 12244), (56, 12139), (57, 12115),

Gene: Cole_37 Start: 28322, Stop: 27447, Start Num: 5
Candidate Starts for Cole_37:
(Start: 5 @28322 has 8 MA's), (7, 28283), (10, 28196), (15, 28136), (17, 28097), (20, 28046), (23, 28010), (24, 27992), (26, 27956), (28, 27929), (30, 27905), (31, 27890), (33, 27860), (36, 27827), (38, 27806), (39, 27794), (40, 27722), (41, 27710), (45, 27626), (49, 27584), (51, 27569),

Gene: Donatella_38 Start: 28796, Stop: 27921, Start Num: 5
Candidate Starts for Donatella_38:
(Start: 5 @28796 has 8 MA's), (7, 28757), (15, 28610), (17, 28571), (20, 28520), (23, 28484), (26, 28430), (28, 28403), (29, 28397), (30, 28379), (31, 28364), (33, 28334), (38, 28280), (39, 28268), (40, 28196), (45, 28100), (49, 28058), (51, 28043),

Gene: Elesar_35 Start: 29248, Stop: 28373, Start Num: 5
Candidate Starts for Elesar_35:
(Start: 5 @29248 has 8 MA's), (7, 29209), (8, 29137), (10, 29122), (17, 29023), (20, 28972), (26, 28882), (29, 28849), (30, 28831), (31, 28816), (33, 28786), (36, 28753), (38, 28732), (39, 28720), (40, 28648), (41, 28636), (44, 28564), (45, 28552), (49, 28510), (51, 28495),

Gene: GoodLuckBabe_39 Start: 28904, Stop: 28029, Start Num: 5
Candidate Starts for GoodLuckBabe_39:
(Start: 5 @28904 has 8 MA's), (7, 28865), (10, 28778), (17, 28679), (20, 28628), (23, 28592), (26, 28538), (28, 28511), (29, 28505), (30, 28487), (31, 28472), (33, 28442), (38, 28388), (39, 28376), (40, 28304), (45, 28208), (49, 28166), (51, 28151),

Gene: Guinevere_39 Start: 28494, Stop: 27619, Start Num: 5
Candidate Starts for Guinevere_39:
(Start: 5 @28494 has 8 MA's), (7, 28455), (10, 28368), (17, 28269), (20, 28218), (23, 28182), (26, 28128), (28, 28101), (29, 28095), (30, 28077), (31, 28062), (33, 28032), (38, 27978), (39, 27966), (40, 27894), (45, 27798), (49, 27756), (51, 27741),

Gene: Gusanita_38 Start: 28900, Stop: 28025, Start Num: 5
Candidate Starts for Gusanita_38:
(Start: 5 @28900 has 8 MA's), (7, 28861), (10, 28774), (13, 28747), (17, 28675), (18, 28654), (20, 28624), (26, 28534), (32, 28441), (33, 28438), (36, 28405), (38, 28384), (39, 28372), (40, 28300), (45, 28204), (49, 28162), (51, 28147), (58, 28042),

Gene: Halloweekend_36 Start: 27956, Stop: 27081, Start Num: 5

Candidate Starts for Halloweekend_36:
(Start: 5 @27956 has 8 MA's), (7, 27917), (10, 27830), (17, 27731), (20, 27680), (23, 27644), (26, 27590), (28, 27563), (29, 27557), (30, 27539), (31, 27524), (33, 27494), (38, 27440), (39, 27428), (40, 27356), (45, 27260), (49, 27218), (51, 27203),

Gene: Ichiang_36 Start: 27975, Stop: 27100, Start Num: 5
Candidate Starts for Ichiang_36:
(Start: 5 @27975 has 8 MA's), (7, 27936), (10, 27849), (17, 27750), (20, 27699), (23, 27663), (26, 27609), (28, 27582), (29, 27576), (30, 27558), (31, 27543), (33, 27513), (38, 27459), (39, 27447), (40, 27375), (45, 27279), (49, 27237), (51, 27222),

Gene: IsHungry_34 Start: 26992, Stop: 26117, Start Num: 5
Candidate Starts for IsHungry_34:
(Start: 5 @26992 has 8 MA's), (7, 26953), (8, 26881), (12, 26845), (15, 26806), (17, 26767), (18, 26746), (20, 26716), (26, 26626), (31, 26560), (33, 26530), (36, 26497), (38, 26476), (39, 26464), (40, 26392), (45, 26296), (49, 26254), (51, 26239), (56, 26161),

Gene: Julie_37 Start: 28908, Stop: 28030, Start Num: 4
Candidate Starts for Julie_37:
(4, 28908), (Start: 5 @28905 has 8 MA's), (7, 28866), (8, 28794), (15, 28719), (17, 28680), (18, 28659), (20, 28629), (26, 28539), (31, 28473), (33, 28443), (36, 28410), (38, 28389), (39, 28377), (40, 28305), (45, 28209), (49, 28167), (51, 28152), (56, 28074),

Gene: Kihatsu_40 Start: 29365, Stop: 28490, Start Num: 5
Candidate Starts for Kihatsu_40:
(Start: 5 @29365 has 8 MA's), (7, 29326), (10, 29239), (17, 29140), (20, 29089), (23, 29053), (26, 28999), (28, 28972), (29, 28966), (30, 28948), (31, 28933), (33, 28903), (38, 28849), (39, 28837), (40, 28765), (45, 28669), (49, 28627), (51, 28612), (58, 28507),

Gene: Lenoxika_39 Start: 28640, Stop: 27765, Start Num: 5
Candidate Starts for Lenoxika_39:
(Start: 5 @28640 has 8 MA's), (7, 28601), (10, 28514), (17, 28415), (20, 28364), (23, 28328), (26, 28274), (28, 28247), (29, 28241), (30, 28223), (31, 28208), (33, 28178), (38, 28124), (39, 28112), (40, 28040), (45, 27944), (49, 27902), (51, 27887),

Gene: Min1_01 Start: 771, Stop: 1, Start Num: 16
Candidate Starts for Min1_01:
(16, 771), (17, 750), (22, 669), (25, 612), (27, 606), (28, 582), (43, 318), (45, 294), (49, 252), (52, 210), (53, 183), (59, 129),

Gene: MoRicky_20 Start: 13746, Stop: 12850, Start Num: 2
Candidate Starts for MoRicky_20:
(2, 13746), (11, 13587), (14, 13548), (20, 13440), (21, 13434), (24, 13386), (26, 13350), (29, 13317), (34, 13251), (35, 13236), (37, 13212), (38, 13200), (39, 13188), (40, 13122), (46, 13026), (48, 12999), (50, 12984), (52, 12945),

Gene: Nandita_39 Start: 28503, Stop: 27628, Start Num: 5
Candidate Starts for Nandita_39:
(Start: 5 @28503 has 8 MA's), (7, 28464), (15, 28317), (17, 28278), (20, 28227), (23, 28191), (26, 28137), (28, 28110), (29, 28104), (30, 28086), (31, 28071), (33, 28041), (36, 28008), (38, 27987), (39, 27975), (40, 27903), (45, 27807), (49, 27765), (51, 27750),

Gene: Popper_37 Start: 28406, Stop: 27531, Start Num: 5

Candidate Starts for Popper_37:
(Start: 5 @28406 has 8 MA's), (7, 28367), (10, 28280), (17, 28181), (20, 28130), (23, 28094), (26, 28040), (28, 28013), (29, 28007), (30, 27989), (31, 27974), (33, 27944), (38, 27890), (39, 27878), (40, 27806), (45, 27710), (49, 27668), (51, 27653),

Gene: QuinnAvery_40 Start: 29406, Stop: 28531, Start Num: 5
Candidate Starts for QuinnAvery_40:
(Start: 5 @29406 has 8 MA's), (7, 29367), (10, 29280), (17, 29181), (20, 29130), (23, 29094), (26, 29040), (28, 29013), (29, 29007), (30, 28989), (31, 28974), (33, 28944), (38, 28890), (39, 28878), (40, 28806), (44, 28722), (45, 28710), (49, 28668), (51, 28653), (54, 28590),

Gene: Ryan_39 Start: 29105, Stop: 28230, Start Num: 5
Candidate Starts for Ryan_39:
(Start: 5 @29105 has 8 MA's), (7, 29066), (15, 28919), (17, 28880), (20, 28829), (23, 28793), (26, 28739), (28, 28712), (30, 28688), (31, 28673), (33, 28643), (36, 28610), (38, 28589), (39, 28577), (40, 28505), (41, 28493), (45, 28409), (49, 28367), (51, 28352),

Gene: Schism_41 Start: 29284, Stop: 28409, Start Num: 5
Candidate Starts for Schism_41:
(Start: 5 @29284 has 8 MA's), (7, 29245), (10, 29158), (17, 29059), (20, 29008), (23, 28972), (26, 28918), (28, 28891), (29, 28885), (30, 28867), (31, 28852), (33, 28822), (38, 28768), (39, 28756), (40, 28684), (45, 28588), (49, 28546), (51, 28531),

Gene: Smilerella_19 Start: 13836, Stop: 12850, Start Num: 1
Candidate Starts for Smilerella_19:
(1, 13836), (3, 13734), (Start: 5 @13728 has 8 MA's), (11, 13587), (14, 13548), (20, 13440), (21, 13434), (24, 13386), (26, 13350), (29, 13317), (34, 13251), (35, 13236), (37, 13212), (38, 13200), (39, 13188), (40, 13122), (46, 13026), (48, 12999), (50, 12984), (52, 12945),

Gene: Zaheer_39 Start: 29719, Stop: 28844, Start Num: 5
Candidate Starts for Zaheer_39:
(Start: 5 @29719 has 8 MA's), (7, 29680), (10, 29593), (17, 29494), (20, 29443), (23, 29407), (26, 29353), (28, 29326), (29, 29320), (30, 29302), (31, 29287), (33, 29257), (38, 29203), (39, 29191), (40, 29119), (45, 29023), (49, 28981), (51, 28966), (58, 28861),