Zoomed Pham 347889



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 347889 Report

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

Pham number 347889 has 32 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Dubu_8
• Track 2 : phiSASD1_29
• Track 3 : AbbeyMikolon_8, Nesbitt_8
• Track 4 : Rowa_8
• Track 5 : Bimmel_52
• Track 6 : Success_54
• Track 7 : Spooks_53
• Track 8 : PFR2_06, PFR1_06
• Track 9 : GlobiWarming_9, Judy_9, NidoQ_9, NikkiHotWheels_9
• Track 10 : PeggyLeg03_9, Constance_9, FosterFrank_9
• Track 11 : ChuckDuck_9, LittleRon_9, KayMoney_9
• Track 12 : Pucara_9, LilyBell_9, HotPotato_9
• Track 13 : Bridgette_9, Henrique_9
• Track 14 : Eileen_9, Peas_9
• Track 15 : Karkharias_9
• Track 16 : Ibantik_72
• Track 17 : RunningOnE_65
• Track 18 : Shambre1_9
• Track 19 : Kromp_9

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

The start number called the most often in the published annotations is 1, it was called in 19 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbeyMikolon_8, Bridgette_9, ChuckDuck_9, Constance_9, Dubu_8, Eileen_9, FosterFrank_9, GlobiWarming_9, Henrique_9, HotPotato_9, Judy_9, Karkharias_9, KayMoney_9, Kromp_9, LilyBell_9, LittleRon_9, Nesbitt_8, NidoQ_9, NikkiHotWheels_9, Peas_9, PeggyLeg03_9, Pucara_9, Rowa_8, Shambre1_9, phiSASD1_29,

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

Genes that do not have the "Most Annotated" start:
• Bimmel_52, Ibantik_72, PFR1_06, PFR2_06, RunningOnE_65, Spooks_53, Success_54,

Summary by start number:

Start 1:
• Found in 25 of 32 (78.1%) of genes in pham
• Manual Annotations of this start: 19 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_8 (BL), Bridgette_9 (FA), ChuckDuck_9 (FA), Constance_9 (FA), Dubu_8 (BJ), Eileen_9 (FA), FosterFrank_9 (FA), GlobiWarming_9 (FA), Henrique_9 (FA), HotPotato_9 (FA), Judy_9 (FA), Karkharias_9 (FA), KayMoney_9 (FA), Kromp_9 (singleton), LilyBell_9 (FA), LittleRon_9 (FA), Nesbitt_8 (BL), NidoQ_9 (FA), NikkiHotWheels_9 (FA), Peas_9 (FA), PeggyLeg03_9 (FA), Pucara_9 (FA), Rowa_8 (BL), Shambre1_9 (singleton), phiSASD1_29 (BJ),

Start 2:
• Found in 7 of 32 (21.9%) of genes in pham
• Manual Annotations of this start: 5 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_52 (BT), Ibantik_72 (JN), PFR1_06 (BX), PFR2_06 (BX), RunningOnE_65 (JN), Spooks_53 (BT), Success_54 (BT),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, BL, BJ, BT, FA, JN, BX,

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

Info for manual annotations of cluster BL:
•Start number 1 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BT:
•Start number 2 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster FA:
•Start number 1 was manually annotated 13 times for cluster FA.

Info for manual annotations of cluster JN:
•Start number 2 was manually annotated 2 times for cluster JN.

Gene Information:

Gene: AbbeyMikolon_8 Start: 6661, Stop: 7194, Start Num: 1
Candidate Starts for AbbeyMikolon_8:

(Start: 1 @6661 has 19 MA's), (8, 6706), (9, 6718), (14, 6757), (15, 6772), (22, 6844), (25, 6865), (28, 6877), (30, 6883), (44, 6955), (45, 6964), (48, 6997), (60, 7078), (66, 7105), (80, 7177), (81, 7180),

Gene: Bimmel_52 Start: 30092, Stop: 30691, Start Num: 2
Candidate Starts for Bimmel_52:
(Start: 2 @30092 has 5 MA's), (7, 30116), (29, 30311), (40, 30371), (45, 30404), (53, 30473), (56, 30503), (58, 30533),

Gene: Bridgette_9 Start: 7210, Stop: 7803, Start Num: 1
Candidate Starts for Bridgette_9:
(Start: 1 @7210 has 19 MA's), (3, 7222), (9, 7267), (13, 7291), (18, 7369), (20, 7375), (22, 7390), (23, 7393), (37, 7453), (41, 7486), (63, 7627), (64, 7630), (75, 7729), (82, 7750),

Gene: ChuckDuck_9 Start: 7169, Stop: 7759, Start Num: 1
Candidate Starts for ChuckDuck_9:
(Start: 1 @7169 has 19 MA's), (3, 7181), (9, 7226), (20, 7334), (54, 7517), (55, 7523), (63, 7583), (64, 7586), (75, 7685), (82, 7706),

Gene: Constance_9 Start: 7215, Stop: 7805, Start Num: 1
Candidate Starts for Constance_9:
(Start: 1 @7215 has 19 MA's), (3, 7227), (9, 7272), (55, 7569), (63, 7629), (64, 7632), (75, 7731), (82, 7752), (85, 7791),

Gene: Dubu_8 Start: 6313, Stop: 6891, Start Num: 1
Candidate Starts for Dubu_8:
(Start: 1 @6313 has 19 MA's), (11, 6391), (14, 6409), (28, 6529), (46, 6640), (49, 6682), (65, 6784), (68, 6814),

Gene: Eileen_9 Start: 7175, Stop: 7768, Start Num: 1
Candidate Starts for Eileen_9:
(Start: 1 @7175 has 19 MA's), (3, 7187), (9, 7232), (18, 7334), (20, 7340), (22, 7355), (23, 7358), (37, 7418), (41, 7451), (63, 7592), (82, 7715),

Gene: FosterFrank_9 Start: 7173, Stop: 7763, Start Num: 1
Candidate Starts for FosterFrank_9:
(Start: 1 @7173 has 19 MA's), (3, 7185), (9, 7230), (55, 7527), (63, 7587), (64, 7590), (75, 7689), (82, 7710), (85, 7749),

Gene: GlobiWarming_9 Start: 7170, Stop: 7760, Start Num: 1
Candidate Starts for GlobiWarming_9:
(Start: 1 @7170 has 19 MA's), (3, 7182), (9, 7227), (54, 7518), (55, 7524), (63, 7584), (64, 7587), (75, 7686), (82, 7707),

Gene: Henrique_9 Start: 7171, Stop: 7764, Start Num: 1
Candidate Starts for Henrique_9:
(Start: 1 @7171 has 19 MA's), (3, 7183), (9, 7228), (13, 7252), (18, 7330), (20, 7336), (22, 7351), (23, 7354), (37, 7414), (41, 7447), (63, 7588), (64, 7591), (75, 7690), (82, 7711),

Gene: HotPotato_9 Start: 7175, Stop: 7768, Start Num: 1
Candidate Starts for HotPotato_9:
(Start: 1 @7175 has 19 MA's), (3, 7187), (9, 7232), (18, 7334), (20, 7340), (22, 7355), (23, 7358), (37, 7418), (41, 7451), (63, 7592), (64, 7595), (82, 7715),

Gene: Ibantik_72 Start: 34097, Stop: 34657, Start Num: 2
Candidate Starts for Ibantik_72:
(Start: 2 @34097 has 5 MA's), (7, 34121), (8, 34133), (32, 34331), (46, 34421), (55, 34496), (57, 34520), (67, 34592),

Gene: Judy_9 Start: 7214, Stop: 7804, Start Num: 1
Candidate Starts for Judy_9:
(Start: 1 @7214 has 19 MA's), (3, 7226), (9, 7271), (54, 7562), (55, 7568), (63, 7628), (64, 7631), (75, 7730), (82, 7751),

Gene: Karkharias_9 Start: 7171, Stop: 7764, Start Num: 1
Candidate Starts for Karkharias_9:
(Start: 1 @7171 has 19 MA's), (3, 7183), (9, 7228), (18, 7330), (20, 7336), (22, 7351), (23, 7354), (41, 7447), (63, 7588), (64, 7591), (75, 7690), (82, 7711),

Gene: KayMoney_9 Start: 7171, Stop: 7761, Start Num: 1
Candidate Starts for KayMoney_9:
(Start: 1 @7171 has 19 MA's), (3, 7183), (9, 7228), (20, 7336), (54, 7519), (55, 7525), (63, 7585), (64, 7588), (75, 7687), (82, 7708),

Gene: Kromp_9 Start: 7708, Stop: 8337, Start Num: 1
Candidate Starts for Kromp_9:
(Start: 1 @7708 has 19 MA's), (8, 7753), (10, 7768), (16, 7837), (33, 7942), (35, 7945), (39, 7975), (47, 8059), (50, 8083), (55, 8110), (59, 8158), (62, 8164), (70, 8233), (72, 8245), (85, 8323),

Gene: LilyBell_9 Start: 7186, Stop: 7779, Start Num: 1
Candidate Starts for LilyBell_9:
(Start: 1 @7186 has 19 MA's), (3, 7198), (9, 7243), (18, 7345), (20, 7351), (22, 7366), (23, 7369), (37, 7429), (41, 7462), (63, 7603), (64, 7606), (82, 7726),

Gene: LittleRon_9 Start: 7169, Stop: 7759, Start Num: 1
Candidate Starts for LittleRon_9:
(Start: 1 @7169 has 19 MA's), (3, 7181), (9, 7226), (20, 7334), (54, 7517), (55, 7523), (63, 7583), (64, 7586), (75, 7685), (82, 7706),

Gene: Nesbitt_8 Start: 6733, Stop: 7266, Start Num: 1
Candidate Starts for Nesbitt_8:
(Start: 1 @6733 has 19 MA's), (8, 6778), (9, 6790), (14, 6829), (15, 6844), (22, 6916), (25, 6937), (28, 6949), (30, 6955), (44, 7027), (45, 7036), (48, 7069), (60, 7150), (66, 7177), (80, 7249), (81, 7252),

Gene: NidoQ_9 Start: 7232, Stop: 7822, Start Num: 1
Candidate Starts for NidoQ_9:
(Start: 1 @7232 has 19 MA's), (3, 7244), (9, 7289), (54, 7580), (55, 7586), (63, 7646), (64, 7649), (75, 7748), (82, 7769),

Gene: NikkiHotWheels_9 Start: 7172, Stop: 7762, Start Num: 1
Candidate Starts for NikkiHotWheels_9:
(Start: 1 @7172 has 19 MA's), (3, 7184), (9, 7229), (54, 7520), (55, 7526), (63, 7586), (64, 7589), (75, 7688), (82, 7709),

Gene: PFR1_06 Start: 6360, Stop: 6935, Start Num: 2
Candidate Starts for PFR1_06:

(Start: 2 @6360 has 5 MA's), (3, 6363), (6, 6375), (12, 6438), (24, 6546), (27, 6567), (31, 6585), (40, 6633), (43, 6645), (55, 6729), (59, 6780), (61, 6783), (63, 6786), (64, 6789), (79, 6903), (83, 6924), (84, 6927),

Gene: PFR2_06 Start: 6360, Stop: 6935, Start Num: 2
Candidate Starts for PFR2_06:
(Start: 2 @6360 has 5 MA's), (3, 6363), (6, 6375), (12, 6438), (24, 6546), (27, 6567), (31, 6585), (40, 6633), (43, 6645), (55, 6729), (59, 6780), (61, 6783), (63, 6786), (64, 6789), (79, 6903), (83, 6924), (84, 6927),

Gene: Peas_9 Start: 7175, Stop: 7768, Start Num: 1
Candidate Starts for Peas_9:
(Start: 1 @7175 has 19 MA's), (3, 7187), (9, 7232), (18, 7334), (20, 7340), (22, 7355), (23, 7358), (37, 7418), (41, 7451), (63, 7592), (82, 7715),

Gene: PeggyLeg03_9 Start: 7215, Stop: 7805, Start Num: 1
Candidate Starts for PeggyLeg03_9:
(Start: 1 @7215 has 19 MA's), (3, 7227), (9, 7272), (55, 7569), (63, 7629), (64, 7632), (75, 7731), (82, 7752), (85, 7791),

Gene: Pucara_9 Start: 7174, Stop: 7767, Start Num: 1
Candidate Starts for Pucara_9:
(Start: 1 @7174 has 19 MA's), (3, 7186), (9, 7231), (18, 7333), (20, 7339), (22, 7354), (23, 7357), (37, 7417), (41, 7450), (63, 7591), (64, 7594), (82, 7714),

Gene: Rowa_8 Start: 6493, Stop: 7023, Start Num: 1
Candidate Starts for Rowa_8:
(Start: 1 @6493 has 19 MA's), (8, 6538), (14, 6589), (21, 6673), (26, 6700), (34, 6730), (42, 6775), (46, 6799), (48, 6826), (78, 7003), (80, 7006), (81, 7009),

Gene: RunningOnE_65 Start: 32829, Stop: 33389, Start Num: 2
Candidate Starts for RunningOnE_65:
(Start: 2 @32829 has 5 MA's), (19, 32994), (38, 33081), (46, 33153), (55, 33228), (57, 33252), (73, 33363),

Gene: Shambre1_9 Start: 7586, Stop: 8185, Start Num: 1
Candidate Starts for Shambre1_9:
(Start: 1 @7586 has 19 MA's), (4, 7601), (5, 7604), (7, 7619), (30, 7808), (31, 7814), (36, 7829), (65, 8051), (76, 8141),

Gene: Spooks_53 Start: 31393, Stop: 31992, Start Num: 2
Candidate Starts for Spooks_53:
(Start: 2 @31393 has 5 MA's), (7, 31417), (32, 31624), (45, 31705), (53, 31774), (56, 31804), (58, 31834), (77, 31954),

Gene: Success_54 Start: 30512, Stop: 31111, Start Num: 2
Candidate Starts for Success_54:
(Start: 2 @30512 has 5 MA's), (7, 30536), (29, 30731), (45, 30824), (53, 30893), (56, 30923), (58, 30953), (74, 31052),

Gene: phiSASD1_29 Start: 6506, Stop: 7102, Start Num: 1
Candidate Starts for phiSASD1_29:

(Start: 1 @6506 has 19 MA's), (15, 6617), (17, 6662), (28, 6722), (45, 6827), (46, 6833), (49, 6875), (51, 6884), (52, 6893), (69, 7025), (71, 7043), (81, 7088),