Pham 284021

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 284021 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284021 has 34 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BeatusComedenti_12, Kitkat_13
• Track 2 : KellEzio_12
• Track 3 : Halo3_77, Gezellig_76, KimmyK_79, CherryCola_80, Mutzi_77, Bakery_84, CoveyB_80, YungMoney_78, Wizard_76
• Track 4 : Twister6_80, SmokingBunny_80, Salvador_79, Evamon_79, Togo_79
• Track 5 : Egi03_78
• Track 6 : Jambalaya_76
• Track 7 : PullumCavea_78, Phlop_77, RogerDodger_83
• Track 8 : Shinji_79
• Track 9 : Savbucketdawg_75
• Track 10 : Portcullis_80
• Track 11 : Danyall_80
• Track 12 : VanDeWege_82
• Track 13 : TillyBobJoe_77
• Track 14 : Valary_80
• Track 15 : Nubi_81
• Track 16 : PinkCoffee_81
• Track 17 : Clown_85
• Track 18 : Crocheter_1, Untouchable_1

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

The start number called the most often in the published annotations is 14, it was called in 30 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bakery_84, BeatusComedenti_12, CherryCola_80, Clown_85, CoveyB_80, Danyall_80, Egi03_78, Evamon_79, Gezellig_76, Halo3_77, Jambalaya_76, KellEzio_12, KimmyK_79, Kitkat_13, Mutzi_77, Nubi_81, Phlop_77, PinkCoffee_81, Portcullis_80, PullumCavea_78, RogerDodger_83, Salvador_79, Savbucketdawg_75, Shinji_79, SmokingBunny_80, TillyBobJoe_77, Togo_79, Twister6_80, Valary_80, VanDeWege_82, Wizard_76, YungMoney_78,

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:
• Crocheter_1, Untouchable_1,

Summary by start number:

Start 11:
• Found in 2 of 34 (5.9%) of genes in pham
• Manual Annotations of this start: 2 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Crocheter_1 (DJ), Untouchable_1 (DJ),

Start 14:
• Found in 32 of 34 (94.1%) of genes in pham
• Manual Annotations of this start: 30 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bakery_84 (DC1), BeatusComedenti_12 (AT), CherryCola_80 (DC1), Clown_85 (DC2), CoveyB_80 (DC1), Danyall_80 (DC1), Egi03_78 (DC1), Evamon_79 (DC1), Gezellig_76 (DC1), Halo3_77 (DC1), Jambalaya_76 (DC1), KellEzio_12 (AT), KimmyK_79 (DC1), Kitkat_13 (AT), Mutzi_77 (DC1), Nubi_81 (DC1), Phlop_77 (DC1), PinkCoffee_81 (DC1), Portcullis_80 (DC1), PullumCavea_78 (DC1), RogerDodger_83 (DC1), Salvador_79 (DC1), Savbucketdawg_75 (DC1), Shinji_79 (DC1), SmokingBunny_80 (DC1), TillyBobJoe_77 (DC1), Togo_79 (DC1), Twister6_80 (DC1), Valary_80 (DC1), VanDeWege_82 (DC1), Wizard_76 (DC1), YungMoney_78 (DC1),

Summary by clusters:

There are 4 clusters represented in this pham: DJ, DC2, AT, DC1,

Info for manual annotations of cluster AT:
•Start number 14 was manually annotated 3 times for cluster AT.

Info for manual annotations of cluster DC1:
•Start number 14 was manually annotated 26 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 14 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DJ:
•Start number 11 was manually annotated 2 times for cluster DJ.

Gene Information:
Gene: Bakery_84 Start: 55024, Stop: 55362, Start Num: 14
Candidate Starts for Bakery_84:
(3, 54715), (4, 54733), (9, 54826), (Start: 14 @55024 has 30 MA's), (17, 55117), (27, 55180), (28, 55183), (38, 55342),

Gene: BeatusComedenti_12 Start: 5593, Stop: 5973, Start Num: 14

Candidate Starts for BeatusComedenti_12:
(Start: 14 @5593 has 30 MA's), (23, 5710), (24, 5731), (34, 5875), (36, 5914), (38, 5953),

Gene: CherryCola_80 Start: 53272, Stop: 53610, Start Num: 14
Candidate Starts for CherryCola_80:
(3, 52963), (4, 52981), (9, 53074), (Start: 14 @53272 has 30 MA's), (17, 53365), (27, 53428), (28, 53431), (38, 53590),

Gene: Clown_85 Start: 54601, Stop: 55038, Start Num: 14
Candidate Starts for Clown_85:
(Start: 14 @54601 has 30 MA's), (18, 54703), (20, 54739), (25, 54823), (31, 54865), (33, 54883), (34, 54955), (37, 54982), (38, 55018),

Gene: CoveyB_80 Start: 52764, Stop: 53102, Start Num: 14
Candidate Starts for CoveyB_80:
(3, 52455), (4, 52473), (9, 52566), (Start: 14 @52764 has 30 MA's), (17, 52857), (27, 52920), (28, 52923), (38, 53082),

Gene: Crocheter_1 Start: 152, Stop: 469, Start Num: 11
Candidate Starts for Crocheter_1:
(Start: 11 @152 has 2 MA's), (12, 197), (13, 212), (31, 395), (32, 410),

Gene: Danyall_80 Start: 52458, Stop: 52796, Start Num: 14
Candidate Starts for Danyall_80:
(4, 52167), (9, 52260), (Start: 14 @52458 has 30 MA's), (17, 52551), (27, 52614), (28, 52617), (38, 52776),

Gene: Egi03_78 Start: 52324, Stop: 52662, Start Num: 14
Candidate Starts for Egi03_78:
(2, 51808), (3, 52015), (4, 52033), (9, 52126), (Start: 14 @52324 has 30 MA's), (17, 52417), (27, 52480), (28, 52483), (38, 52642),

Gene: Evamon_79 Start: 52689, Stop: 53027, Start Num: 14
Candidate Starts for Evamon_79:
(1, 52059), (3, 52380), (4, 52398), (9, 52491), (Start: 14 @52689 has 30 MA's), (17, 52782), (27, 52845), (28, 52848), (38, 53007),

Gene: Gezellig_76 Start: 52517, Stop: 52855, Start Num: 14
Candidate Starts for Gezellig_76:
(3, 52208), (4, 52226), (9, 52319), (Start: 14 @52517 has 30 MA's), (17, 52610), (27, 52673), (28, 52676), (38, 52835),

Gene: Halo3_77 Start: 53102, Stop: 53440, Start Num: 14
Candidate Starts for Halo3_77:
(3, 52793), (4, 52811), (9, 52904), (Start: 14 @53102 has 30 MA's), (17, 53195), (27, 53258), (28, 53261), (38, 53420),

Gene: Jambalaya_76 Start: 51745, Stop: 52182, Start Num: 14
Candidate Starts for Jambalaya_76:
(Start: 14 @51745 has 30 MA's), (18, 51847), (19, 51859), (20, 51874), (26, 51967), (29, 51991), (30, 51997), (38, 52162),

Gene: KellEzio_12 Start: 5595, Stop: 5975, Start Num: 14

Candidate Starts for KellEzio_12:
(Start: 14 @5595 has 30 MA's), (23, 5712), (24, 5733), (34, 5877), (35, 5904), (36, 5916), (38, 5955),

Gene: KimmyK_79 Start: 52964, Stop: 53302, Start Num: 14
Candidate Starts for KimmyK_79:
(3, 52655), (4, 52673), (9, 52766), (Start: 14 @52964 has 30 MA's), (17, 53057), (27, 53120), (28, 53123), (38, 53282),

Gene: Kitkat_13 Start: 5719, Stop: 6099, Start Num: 14
Candidate Starts for Kitkat_13:
(Start: 14 @5719 has 30 MA's), (23, 5836), (24, 5857), (34, 6001), (36, 6040), (38, 6079),

Gene: Mutzi_77 Start: 53222, Stop: 53563, Start Num: 14
Candidate Starts for Mutzi_77:
(3, 52913), (4, 52931), (9, 53024), (Start: 14 @53222 has 30 MA's), (17, 53315), (27, 53378), (28, 53381), (38, 53543),

Gene: Nubi_81 Start: 52625, Stop: 53056, Start Num: 14
Candidate Starts for Nubi_81:
(Start: 14 @52625 has 30 MA's), (15, 52652), (16, 52655), (18, 52727), (20, 52763), (21, 52784), (22, 52796), (25, 52847), (27, 52859), (31, 52889), (38, 53036),

Gene: Phlop_77 Start: 52567, Stop: 52905, Start Num: 14
Candidate Starts for Phlop_77:
(3, 52258), (4, 52276), (9, 52369), (Start: 14 @52567 has 30 MA's), (17, 52660), (27, 52723), (28, 52726), (38, 52885),

Gene: PinkCoffee_81 Start: 52499, Stop: 52939, Start Num: 14
Candidate Starts for PinkCoffee_81:
(4, 52208), (Start: 14 @52499 has 30 MA's), (20, 52637), (22, 52670), (25, 52721), (27, 52733), (31, 52763), (38, 52919),

Gene: Portcullis_80 Start: 52573, Stop: 52911, Start Num: 14
Candidate Starts for Portcullis_80:
(3, 52324), (4, 52342), (5, 52363), (6, 52384), (8, 52417), (9, 52432), (Start: 14 @52573 has 30 MA's), (17, 52666), (27, 52729), (28, 52732), (38, 52891),

Gene: PullumCavea_78 Start: 52744, Stop: 53082, Start Num: 14
Candidate Starts for PullumCavea_78:
(3, 52435), (4, 52453), (9, 52546), (Start: 14 @52744 has 30 MA's), (17, 52837), (27, 52900), (28, 52903), (38, 53062),

Gene: RogerDodger_83 Start: 53332, Stop: 53670, Start Num: 14
Candidate Starts for RogerDodger_83:
(3, 53023), (4, 53041), (9, 53134), (Start: 14 @53332 has 30 MA's), (17, 53425), (27, 53488), (28, 53491), (38, 53650),

Gene: Salvador_79 Start: 52687, Stop: 53025, Start Num: 14
Candidate Starts for Salvador_79:
(1, 52057), (3, 52378), (4, 52396), (9, 52489), (Start: 14 @52687 has 30 MA's), (17, 52780), (27, 52843), (28, 52846), (38, 53005),

Gene: Savbucketdawg_75 Start: 52079, Stop: 52519, Start Num: 14

Candidate Starts for Savbucketdawg_75:
(3, 51770), (4, 51788), (9, 51881), (Start: 14 @52079 has 30 MA's), (20, 52217), (22, 52250), (25, 52301), (27, 52313), (31, 52343), (38, 52499),

Gene: Shinji_79 Start: 52690, Stop: 53028, Start Num: 14
Candidate Starts for Shinji_79:
(7, 52456), (9, 52483), (10, 52486), (Start: 14 @52690 has 30 MA's), (17, 52783), (27, 52846), (28, 52849), (38, 53008),

Gene: SmokingBunny_80 Start: 53683, Stop: 54021, Start Num: 14
Candidate Starts for SmokingBunny_80:
(1, 53053), (3, 53374), (4, 53392), (9, 53485), (Start: 14 @53683 has 30 MA's), (17, 53776), (27, 53839), (28, 53842), (38, 54001),

Gene: TillyBobJoe_77 Start: 52709, Stop: 53059, Start Num: 14
Candidate Starts for TillyBobJoe_77:
(3, 52400), (4, 52418), (9, 52511), (Start: 14 @52709 has 30 MA's), (27, 52865), (28, 52868), (38, 53039),

Gene: Togo_79 Start: 53683, Stop: 54021, Start Num: 14
Candidate Starts for Togo_79:
(1, 53053), (3, 53374), (4, 53392), (9, 53485), (Start: 14 @53683 has 30 MA's), (17, 53776), (27, 53839), (28, 53842), (38, 54001),

Gene: Twister6_80 Start: 52032, Stop: 52370, Start Num: 14
Candidate Starts for Twister6_80:
(1, 51402), (3, 51723), (4, 51741), (9, 51834), (Start: 14 @52032 has 30 MA's), (17, 52125), (27, 52188), (28, 52191), (38, 52350),

Gene: Untouchable_1 Start: 152, Stop: 469, Start Num: 11
Candidate Starts for Untouchable_1:
(Start: 11 @152 has 2 MA's), (12, 197), (13, 212), (31, 395), (32, 410),

Gene: Valary_80 Start: 53339, Stop: 53767, Start Num: 14
Candidate Starts for Valary_80:
(3, 53030), (4, 53048), (9, 53141), (Start: 14 @53339 has 30 MA's), (20, 53477), (21, 53498), (25, 53561), (27, 53573), (31, 53603), (38, 53747),

Gene: VanDeWege_82 Start: 53340, Stop: 53690, Start Num: 14
Candidate Starts for VanDeWege_82:
(7, 53106), (9, 53133), (10, 53136), (Start: 14 @53340 has 30 MA's), (27, 53496), (28, 53499), (38, 53670),

Gene: Wizard_76 Start: 52517, Stop: 52855, Start Num: 14
Candidate Starts for Wizard_76:
(3, 52208), (4, 52226), (9, 52319), (Start: 14 @52517 has 30 MA's), (17, 52610), (27, 52673), (28, 52676), (38, 52835),

Gene: YungMoney_78 Start: 54062, Stop: 54403, Start Num: 14
Candidate Starts for YungMoney_78:
(3, 53753), (4, 53771), (9, 53864), (Start: 14 @54062 has 30 MA's), (17, 54155), (27, 54218), (28, 54221), (38, 54383),