Pham 345941


1: ClamChowder_80 + 2
2: Egi03_76
3: VanDeWege_79
4: CoveyB_78 + 7
5: JohnPork_79 + 1
6: Nubi_76 + 1
7: Jambalaya_74
8: PinkCoffee_79 + 1
9: PullumCavea_76 + 1
10: SharkTale_81
11: Shinji_76
12: SmokingBunny_78 + 4
13: Mutzi_75 + 1
14: Sixsevenium_79 + 1
15: Arri_78
16: RogerDodger_81
17: Fireball_80
18: Clown_81

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 345941 Report

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

Pham number 345941 has 37 members, 5 are drafts.

Phages represented in each track:
• Track 1 : ClamChowder_80, Barb_80, Fugax_81
• Track 2 : Egi03_76
• Track 3 : VanDeWege_79
• Track 4 : CoveyB_78, CherryCola_77, Valary_78, Gezellig_74, KimmyK_77, Halo3_75, Savbucketdawg_73, Wizard_74
• Track 5 : JohnPork_79, Portcullis_78
• Track 6 : Nubi_76, Sendy_77
• Track 7 : Jambalaya_74
• Track 8 : PinkCoffee_79, Danyall_78
• Track 9 : PullumCavea_76, Phlop_75
• Track 10 : SharkTale_81
• Track 11 : Shinji_76
• Track 12 : SmokingBunny_78, Togo_77, Salvador_77, Evamon_77, Twister6_78
• Track 13 : Mutzi_75, YungMoney_76
• Track 14 : Sixsevenium_79, Bakery_82
• Track 15 : Arri_78
• Track 16 : RogerDodger_81
• Track 17 : Fireball_80
• Track 18 : Clown_81

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

The start number called the most often in the published annotations is 9, it was called in 31 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_78, Bakery_82, Barb_80, CherryCola_77, ClamChowder_80, CoveyB_78, Danyall_78, Egi03_76, Evamon_77, Fireball_80, Fugax_81, Gezellig_74, Halo3_75, Jambalaya_74, JohnPork_79, KimmyK_77, Mutzi_75, Nubi_76, Phlop_75, PinkCoffee_79, Portcullis_78, PullumCavea_76, RogerDodger_81, Salvador_77, Savbucketdawg_73, Sendy_77, Shinji_76, Sixsevenium_79, SmokingBunny_78, Togo_77, Twister6_78, Valary_78, VanDeWege_79, Wizard_74, YungMoney_76,

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:
• Clown_81, SharkTale_81,

Summary by start number:

Start 9:
• Found in 35 of 37 (94.6%) of genes in pham
• Manual Annotations of this start: 31 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_78 (DC1), Bakery_82 (DC1), Barb_80 (DC1), CherryCola_77 (DC1), ClamChowder_80 (DC1), CoveyB_78 (DC1), Danyall_78 (DC1), Egi03_76 (DC1), Evamon_77 (DC1), Fireball_80 (DC1), Fugax_81 (DC1), Gezellig_74 (DC1), Halo3_75 (DC1), Jambalaya_74 (DC1), JohnPork_79 (DC1), KimmyK_77 (DC1), Mutzi_75 (DC1), Nubi_76 (DC1), Phlop_75 (DC1), PinkCoffee_79 (DC1), Portcullis_78 (DC1), PullumCavea_76 (DC1), RogerDodger_81 (DC1), Salvador_77 (DC1), Savbucketdawg_73 (DC1), Sendy_77 (DC1), Shinji_76 (DC1), Sixsevenium_79 (DC1), SmokingBunny_78 (DC1), Togo_77 (DC1), Twister6_78 (DC1), Valary_78 (DC1), VanDeWege_79 (DC1), Wizard_74 (DC1), YungMoney_76 (DC1),

Start 14:
• Found in 1 of 37 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clown_81 (DC2),

Start 21:
• Found in 1 of 37 (2.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SharkTale_81 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DC1,

Info for manual annotations of cluster DC1:
•Start number 9 was manually annotated 31 times for cluster DC1.

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

Gene Information:

Gene: Arri_78 Start: 52104, Stop: 52541, Start Num: 9
Candidate Starts for Arri_78:
(Start: 9 @52104 has 31 MA's), (20, 52299), (32, 52410), (35, 52482), (37, 52503),

Gene: Bakery_82 Start: 54222, Stop: 54641, Start Num: 9

Candidate Starts for Bakery_82:
(4, 54159), (6, 54192), (Start: 9 @54222 has 31 MA's), (18, 54384), (24, 54441), (32, 54510), (33, 54516), (35, 54582), (37, 54603),

Gene: Barb_80 Start: 52298, Stop: 52693, Start Num: 9
Candidate Starts for Barb_80:
(Start: 9 @52298 has 31 MA's), (13, 52379), (15, 52400), (35, 52628), (37, 52649),

Gene: CherryCola_77 Start: 52470, Stop: 52889, Start Num: 9
Candidate Starts for CherryCola_77:
(1, 52278), (2, 52332), (3, 52350), (5, 52401), (8, 52458), (Start: 9 @52470 has 31 MA's), (17, 52593), (18, 52632), (24, 52689), (32, 52758), (33, 52764), (35, 52830), (37, 52851),

Gene: ClamChowder_80 Start: 52298, Stop: 52693, Start Num: 9
Candidate Starts for ClamChowder_80:
(Start: 9 @52298 has 31 MA's), (13, 52379), (15, 52400), (35, 52628), (37, 52649),

Gene: Clown_81 Start: 53319, Stop: 53657, Start Num: 14
Candidate Starts for Clown_81:
(7, 53202), (Start: 14 @53319 has 1 MA's), (16, 53349), (19, 53412), (22, 53439), (27, 53475), (30, 53523), (34, 53544), (35, 53598), (36, 53607), (37, 53619),

Gene: CoveyB_78 Start: 51962, Stop: 52381, Start Num: 9
Candidate Starts for CoveyB_78:
(1, 51770), (2, 51824), (3, 51842), (5, 51893), (8, 51950), (Start: 9 @51962 has 31 MA's), (17, 52085), (18, 52124), (24, 52181), (32, 52250), (33, 52256), (35, 52322), (37, 52343),

Gene: Danyall_78 Start: 51674, Stop: 52084, Start Num: 9
Candidate Starts for Danyall_78:
(Start: 9 @51674 has 31 MA's), (20, 51842), (32, 51953), (33, 51959), (35, 52025), (37, 52046),

Gene: Egi03_76 Start: 51522, Stop: 51941, Start Num: 9
Candidate Starts for Egi03_76:
(1, 51330), (2, 51384), (3, 51402), (5, 51453), (8, 51510), (Start: 9 @51522 has 31 MA's), (18, 51684), (32, 51810), (35, 51882), (37, 51903),

Gene: Evamon_77 Start: 51863, Stop: 52306, Start Num: 9
Candidate Starts for Evamon_77:
(Start: 9 @51863 has 31 MA's), (18, 52025), (28, 52115), (35, 52247), (37, 52268),

Gene: Fireball_80 Start: 52450, Stop: 52869, Start Num: 9
Candidate Starts for Fireball_80:
(Start: 9 @52450 has 31 MA's), (17, 52573), (18, 52612), (24, 52669), (32, 52738), (33, 52744), (35, 52810), (37, 52831),

Gene: Fugax_81 Start: 52290, Stop: 52685, Start Num: 9
Candidate Starts for Fugax_81:
(Start: 9 @52290 has 31 MA's), (13, 52371), (15, 52392), (35, 52620), (37, 52641),

Gene: Gezellig_74 Start: 51715, Stop: 52134, Start Num: 9
Candidate Starts for Gezellig_74:
(1, 51523), (2, 51577), (3, 51595), (5, 51646), (8, 51703), (Start: 9 @51715 has 31 MA's), (17, 51838), (18, 51877), (24, 51934), (32, 52003), (33, 52009), (35, 52075), (37, 52096),

Gene: Halo3_75 Start: 52300, Stop: 52719, Start Num: 9
Candidate Starts for Halo3_75:
(1, 52108), (2, 52162), (3, 52180), (5, 52231), (8, 52288), (Start: 9 @52300 has 31 MA's), (17, 52423), (18, 52462), (24, 52519), (32, 52588), (33, 52594), (35, 52660), (37, 52681),

Gene: Jambalaya_74 Start: 50973, Stop: 51362, Start Num: 9
Candidate Starts for Jambalaya_74:
(Start: 9 @50973 has 31 MA's), (18, 51135), (26, 51198), (33, 51237), (37, 51324),

Gene: JohnPork_79 Start: 51963, Stop: 52283, Start Num: 9
Candidate Starts for JohnPork_79:
(Start: 9 @51963 has 31 MA's), (11, 52035), (32, 52134), (33, 52140), (35, 52206), (37, 52227),

Gene: KimmyK_77 Start: 52162, Stop: 52581, Start Num: 9
Candidate Starts for KimmyK_77:
(1, 51970), (2, 52024), (3, 52042), (5, 52093), (8, 52150), (Start: 9 @52162 has 31 MA's), (17, 52285), (18, 52324), (24, 52381), (32, 52450), (33, 52456), (35, 52522), (37, 52543),

Gene: Mutzi_75 Start: 52444, Stop: 52839, Start Num: 9
Candidate Starts for Mutzi_75:
(Start: 9 @52444 has 31 MA's), (10, 52447), (25, 52645), (32, 52708), (33, 52714), (35, 52780), (37, 52801),

Gene: Nubi_76 Start: 51245, Stop: 51631, Start Num: 9
Candidate Starts for Nubi_76:
(Start: 9 @51245 has 31 MA's), (12, 51323), (13, 51326), (15, 51347), (32, 51500), (35, 51572), (37, 51593),

Gene: Phlop_75 Start: 51747, Stop: 52184, Start Num: 9
Candidate Starts for Phlop_75:
(Start: 9 @51747 has 31 MA's), (13, 51828), (20, 51942), (29, 52026), (33, 52059), (35, 52125), (37, 52146),

Gene: PinkCoffee_79 Start: 51715, Stop: 52125, Start Num: 9
Candidate Starts for PinkCoffee_79:
(Start: 9 @51715 has 31 MA's), (20, 51883), (32, 51994), (33, 52000), (35, 52066), (37, 52087),

Gene: Portcullis_78 Start: 51963, Stop: 52283, Start Num: 9
Candidate Starts for Portcullis_78:
(Start: 9 @51963 has 31 MA's), (11, 52035), (32, 52134), (33, 52140), (35, 52206), (37, 52227),

Gene: PullumCavea_76 Start: 51924, Stop: 52361, Start Num: 9
Candidate Starts for PullumCavea_76:
(Start: 9 @51924 has 31 MA's), (13, 52005), (20, 52119), (29, 52203), (33, 52236), (35, 52302), (37, 52323),

Gene: RogerDodger_81 Start: 52512, Stop: 52949, Start Num: 9
Candidate Starts for RogerDodger_81:
(Start: 9 @52512 has 31 MA's), (20, 52707), (32, 52818), (35, 52890), (37, 52911),

Gene: Salvador_77 Start: 51861, Stop: 52304, Start Num: 9
Candidate Starts for Salvador_77:

(Start: 9 @51861 has 31 MA's), (18, 52023), (28, 52113), (35, 52245), (37, 52266),

Gene: Savbucketdawg_73 Start: 51277, Stop: 51696, Start Num: 9
Candidate Starts for Savbucketdawg_73:
(1, 51085), (2, 51139), (3, 51157), (5, 51208), (8, 51265), (Start: 9 @51277 has 31 MA's), (17, 51400), (18, 51439), (24, 51496), (32, 51565), (33, 51571), (35, 51637), (37, 51658),

Gene: Sendy_77 Start: 51446, Stop: 51832, Start Num: 9
Candidate Starts for Sendy_77:
(Start: 9 @51446 has 31 MA's), (12, 51524), (13, 51527), (15, 51548), (32, 51701), (35, 51773), (37, 51794),

Gene: SharkTale_81 Start: 54333, Stop: 54560, Start Num: 21
Candidate Starts for SharkTale_81:
(21, 54333), (31, 54420), (35, 54501), (37, 54522),

Gene: Shinji_76 Start: 51442, Stop: 51867, Start Num: 9
Candidate Starts for Shinji_76:
(Start: 9 @51442 has 31 MA's), (18, 51604), (35, 51802), (37, 51823),

Gene: Sixsevenium_79 Start: 53203, Stop: 53622, Start Num: 9
Candidate Starts for Sixsevenium_79:
(4, 53140), (6, 53173), (Start: 9 @53203 has 31 MA's), (18, 53365), (24, 53422), (32, 53491), (33, 53497), (35, 53563), (37, 53584),

Gene: SmokingBunny_78 Start: 52857, Stop: 53300, Start Num: 9
Candidate Starts for SmokingBunny_78:
(Start: 9 @52857 has 31 MA's), (18, 53019), (28, 53109), (35, 53241), (37, 53262),

Gene: Togo_77 Start: 52857, Stop: 53300, Start Num: 9
Candidate Starts for Togo_77:
(Start: 9 @52857 has 31 MA's), (18, 53019), (28, 53109), (35, 53241), (37, 53262),

Gene: Twister6_78 Start: 51206, Stop: 51649, Start Num: 9
Candidate Starts for Twister6_78:
(Start: 9 @51206 has 31 MA's), (18, 51368), (28, 51458), (35, 51590), (37, 51611),

Gene: Valary_78 Start: 52537, Stop: 52956, Start Num: 9
Candidate Starts for Valary_78:
(1, 52345), (2, 52399), (3, 52417), (5, 52468), (8, 52525), (Start: 9 @52537 has 31 MA's), (17, 52660), (18, 52699), (24, 52756), (32, 52825), (33, 52831), (35, 52897), (37, 52918),

Gene: VanDeWege_79 Start: 52167, Stop: 52523, Start Num: 9
Candidate Starts for VanDeWege_79:
(Start: 9 @52167 has 31 MA's), (23, 52320), (32, 52386), (33, 52392), (35, 52458), (37, 52479),

Gene: Wizard_74 Start: 51715, Stop: 52134, Start Num: 9
Candidate Starts for Wizard_74:
(1, 51523), (2, 51577), (3, 51595), (5, 51646), (8, 51703), (Start: 9 @51715 has 31 MA's), (17, 51838), (18, 51877), (24, 51934), (32, 52003), (33, 52009), (35, 52075), (37, 52096),

Gene: YungMoney_76 Start: 53284, Stop: 53679, Start Num: 9
Candidate Starts for YungMoney_76:

(Start: 9 @53284 has 31 MA's), (10, 53287), (25, 53485), (32, 53548), (33, 53554), (35, 53620), (37, 53641),