Pham 347714


2
6
7
8
1: LittleE_132 + 14


3
4
5
8
9
2: Schatzie_127 + 5


3
4
5
8
3: Bobby_123 + 23


2
7
8
4: Hannaconda_122 + 1


1
3
4
5
8
5: NihilNomen_133 + 3

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 347714 Report

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

Pham number 347714 has 51 members, 10 are drafts.

Phages represented in each track:
• Track 1 : LittleE_132, Shaboozey_130, Ariel_129, Omega_139, Superphikiman_126, Courthouse_124, Porcelain_127, Lucky2013_124, Rearden_127, Gonephishing_123, Nibley_126, Nekros_132, KashFlow_127, Squint_127, BronnyJames_127
• Track 2 : Schatzie_127, Pound_120, Kalah2_122, DmpstrDiver_131, Optimus_122, Bagrid_131
• Track 3 : Bobby_123, Redno2_123, Marleymoo_116, Phoebus_132, Ejimix_125, Dallas_132, Wanda_130, Constella_121, Zelink_126, Yeet_123, Odette_133, Halley_133, Xiaokay_125, HokkenD_121, Klein_128, Minerva_130, Hidrated_114, Dove_117, ThreeRngTarjay_127, EricMillard_123, Thibault_113, Duke13_126, Hughesyang_131, BAKA_131
• Track 4 : Hannaconda_122, MiaZeal_129
• Track 5 : NihilNomen_133, Beem_133, JuicyJay_128, Bombitas_119

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

The start number called the most often in the published annotations is 3, it was called in 30 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_131, Bagrid_131, Beem_133, Bobby_123, Bombitas_119, Constella_121, Dallas_132, DmpstrDiver_131, Dove_117, Duke13_126, Ejimix_125, EricMillard_123, Halley_133, Hidrated_114, HokkenD_121, Hughesyang_131, JuicyJay_128, Kalah2_122, Klein_128, Marleymoo_116, Minerva_130, NihilNomen_133, Odette_133, Optimus_122, Phoebus_132, Pound_120, Redno2_123, Schatzie_127, Thibault_113, ThreeRngTarjay_127, Wanda_130, Xiaokay_125, Yeet_123, Zelink_126,

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

Genes that do not have the "Most Annotated" start:
• Ariel_129, BronnyJames_127, Courthouse_124, Gonephishing_123, Hannaconda_122, KashFlow_127, LittleE_132, Lucky2013_124, MiaZeal_129,

Nekros_132, Nibley_126, Omega_139, Porcelain_127, Rearden_127, Shaboozey_130, Squint_127, Superphikiman_126,

Summary by start number:

Start 2:
• Found in 17 of 51 (33.3%) of genes in pham
• Manual Annotations of this start: 11 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_129 (J), BronnyJames_127 (J), Courthouse_124 (J), Gonephishing_123 (J), Hannaconda_122 (J), KashFlow_127 (J), LittleE_132 (J), Lucky2013_124 (J), MiaZeal_129 (J), Nekros_132 (J), Nibley_126 (J), Omega_139 (J), Porcelain_127 (J), Rearden_127 (J), Shaboozey_130 (J), Squint_127 (J), Superphikiman_126 (J),

Start 3:
• Found in 34 of 51 (66.7%) of genes in pham
• Manual Annotations of this start: 30 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_131 (J), Bagrid_131 (J), Beem_133 (J), Bobby_123 (J), Bombitas_119 (J), Constella_121 (J), Dallas_132 (J), DmpstrDiver_131 (J), Dove_117 (J), Duke13_126 (J), Ejimix_125 (J), EricMillard_123 (J), Halley_133 (J), Hidrated_114 (J), HokkenD_121 (J), Hughesyang_131 (J), JuicyJay_128 (J), Kalah2_122 (J), Klein_128 (J), Marleymoo_116 (J), Minerva_130 (J), NihilNomen_133 (J), Odette_133 (J), Optimus_122 (J), Phoebus_132 (J), Pound_120 (J), Redno2_123 (J), Schatzie_127 (J), Thibault_113 (J), ThreeRngTarjay_127 (J), Wanda_130 (J), Xiaokay_125 (J), Yeet_123 (J), Zelink_126 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 11 times for cluster J.
•Start number 3 was manually annotated 30 times for cluster J.

Gene Information:

Gene: Ariel_129 Start: 68157, Stop: 68387, Start Num: 2
Candidate Starts for Ariel_129:
(Start: 2 @68157 has 11 MA's), (6, 68292), (7, 68316), (8, 68328),

Gene: BAKA_131 Start: 71128, Stop: 71352, Start Num: 3
Candidate Starts for BAKA_131:
(Start: 3 @71128 has 30 MA's), (4, 71230), (5, 71245), (8, 71293),

Gene: Bagrid_131 Start: 71206, Stop: 71430, Start Num: 3
Candidate Starts for Bagrid_131:
(Start: 3 @71206 has 30 MA's), (4, 71308), (5, 71323), (8, 71371), (9, 71383),

Gene: Beem_133 Start: 72681, Stop: 72905, Start Num: 3
Candidate Starts for Beem_133:
(1, 72654), (Start: 3 @72681 has 30 MA's), (4, 72783), (5, 72798), (8, 72846),

Gene: Bobby_123 Start: 72782, Stop: 73006, Start Num: 3
Candidate Starts for Bobby_123:
(Start: 3 @72782 has 30 MA's), (4, 72884), (5, 72899), (8, 72947),

Gene: Bombitas_119 Start: 70092, Stop: 70316, Start Num: 3
Candidate Starts for Bombitas_119:
(1, 70065), (Start: 3 @70092 has 30 MA's), (4, 70194), (5, 70209), (8, 70257),

Gene: BronnyJames_127 Start: 69316, Stop: 69543, Start Num: 2
Candidate Starts for BronnyJames_127:
(Start: 2 @69316 has 11 MA's), (6, 69451), (7, 69475), (8, 69487),

Gene: Constella_121 Start: 68215, Stop: 68439, Start Num: 3
Candidate Starts for Constella_121:
(Start: 3 @68215 has 30 MA's), (4, 68317), (5, 68332), (8, 68380),

Gene: Courthouse_124 Start: 67757, Stop: 67984, Start Num: 2
Candidate Starts for Courthouse_124:
(Start: 2 @67757 has 11 MA's), (6, 67892), (7, 67916), (8, 67928),

Gene: Dallas_132 Start: 72193, Stop: 72417, Start Num: 3
Candidate Starts for Dallas_132:
(Start: 3 @72193 has 30 MA's), (4, 72295), (5, 72310), (8, 72358),

Gene: DmpstrDiver_131 Start: 71495, Stop: 71719, Start Num: 3
Candidate Starts for DmpstrDiver_131:
(Start: 3 @71495 has 30 MA's), (4, 71597), (5, 71612), (8, 71660), (9, 71672),

Gene: Dove_117 Start: 67139, Stop: 67363, Start Num: 3
Candidate Starts for Dove_117:
(Start: 3 @67139 has 30 MA's), (4, 67241), (5, 67256), (8, 67304),

Gene: Duke13_126 Start: 68796, Stop: 69020, Start Num: 3
Candidate Starts for Duke13_126:
(Start: 3 @68796 has 30 MA's), (4, 68898), (5, 68913), (8, 68961),

Gene: Ejimix_125 Start: 72261, Stop: 72485, Start Num: 3
Candidate Starts for Ejimix_125:
(Start: 3 @72261 has 30 MA's), (4, 72363), (5, 72378), (8, 72426),

Gene: EricMillard_123 Start: 70765, Stop: 70989, Start Num: 3
Candidate Starts for EricMillard_123:
(Start: 3 @70765 has 30 MA's), (4, 70867), (5, 70882), (8, 70930),

Gene: Gonephishing_123 Start: 67355, Stop: 67585, Start Num: 2
Candidate Starts for Gonephishing_123:
(Start: 2 @67355 has 11 MA's), (6, 67490), (7, 67514), (8, 67526),

Gene: Halley_133 Start: 72577, Stop: 72801, Start Num: 3

Candidate Starts for Halley_133:
(Start: 3 @72577 has 30 MA's), (4, 72679), (5, 72694), (8, 72742),

Gene: Hannaconda_122 Start: 68008, Stop: 68238, Start Num: 2
Candidate Starts for Hannaconda_122:
(Start: 2 @68008 has 11 MA's), (7, 68167), (8, 68179),

Gene: Hidrated_114 Start: 68846, Stop: 69070, Start Num: 3
Candidate Starts for Hidrated_114:
(Start: 3 @68846 has 30 MA's), (4, 68948), (5, 68963), (8, 69011),

Gene: HokkenD_121 Start: 70940, Stop: 71164, Start Num: 3
Candidate Starts for HokkenD_121:
(Start: 3 @70940 has 30 MA's), (4, 71042), (5, 71057), (8, 71105),

Gene: Hughesyang_131 Start: 72302, Stop: 72526, Start Num: 3
Candidate Starts for Hughesyang_131:
(Start: 3 @72302 has 30 MA's), (4, 72404), (5, 72419), (8, 72467),

Gene: JuicyJay_128 Start: 73817, Stop: 74041, Start Num: 3
Candidate Starts for JuicyJay_128:
(1, 73790), (Start: 3 @73817 has 30 MA's), (4, 73919), (5, 73934), (8, 73982),

Gene: Kalah2_122 Start: 71108, Stop: 71332, Start Num: 3
Candidate Starts for Kalah2_122:
(Start: 3 @71108 has 30 MA's), (4, 71210), (5, 71225), (8, 71273), (9, 71285),

Gene: KashFlow_127 Start: 69790, Stop: 70017, Start Num: 2
Candidate Starts for KashFlow_127:
(Start: 2 @69790 has 11 MA's), (6, 69925), (7, 69949), (8, 69961),

Gene: Klein_128 Start: 69498, Stop: 69722, Start Num: 3
Candidate Starts for Klein_128:
(Start: 3 @69498 has 30 MA's), (4, 69600), (5, 69615), (8, 69663),

Gene: LittleE_132 Start: 70999, Stop: 71229, Start Num: 2
Candidate Starts for LittleE_132:
(Start: 2 @70999 has 11 MA's), (6, 71134), (7, 71158), (8, 71170),

Gene: Lucky2013_124 Start: 67876, Stop: 68106, Start Num: 2
Candidate Starts for Lucky2013_124:
(Start: 2 @67876 has 11 MA's), (6, 68011), (7, 68035), (8, 68047),

Gene: Marleymoo_116 Start: 68528, Stop: 68752, Start Num: 3
Candidate Starts for Marleymoo_116:
(Start: 3 @68528 has 30 MA's), (4, 68630), (5, 68645), (8, 68693),

Gene: MiaZeal_129 Start: 69014, Stop: 69244, Start Num: 2
Candidate Starts for MiaZeal_129:
(Start: 2 @69014 has 11 MA's), (7, 69173), (8, 69185),

Gene: Minerva_130 Start: 70903, Stop: 71127, Start Num: 3
Candidate Starts for Minerva_130:

(Start: 3 @70903 has 30 MA's), (4, 71005), (5, 71020), (8, 71068),

Gene: Nekros_132 Start: 72510, Stop: 72737, Start Num: 2
Candidate Starts for Nekros_132:
(Start: 2 @72510 has 11 MA's), (6, 72645), (7, 72669), (8, 72681),

Gene: Nibley_126 Start: 68893, Stop: 69120, Start Num: 2
Candidate Starts for Nibley_126:
(Start: 2 @68893 has 11 MA's), (6, 69028), (7, 69052), (8, 69064),

Gene: NihilNomen_133 Start: 71762, Stop: 71986, Start Num: 3
Candidate Starts for NihilNomen_133:
(1, 71735), (Start: 3 @71762 has 30 MA's), (4, 71864), (5, 71879), (8, 71927),

Gene: Odette_133 Start: 72857, Stop: 73081, Start Num: 3
Candidate Starts for Odette_133:
(Start: 3 @72857 has 30 MA's), (4, 72959), (5, 72974), (8, 73022),

Gene: Omega_139 Start: 72680, Stop: 72910, Start Num: 2
Candidate Starts for Omega_139:
(Start: 2 @72680 has 11 MA's), (6, 72815), (7, 72839), (8, 72851),

Gene: Optimus_122 Start: 69299, Stop: 69523, Start Num: 3
Candidate Starts for Optimus_122:
(Start: 3 @69299 has 30 MA's), (4, 69401), (5, 69416), (8, 69464), (9, 69476),

Gene: Phoebus_132 Start: 73656, Stop: 73880, Start Num: 3
Candidate Starts for Phoebus_132:
(Start: 3 @73656 has 30 MA's), (4, 73758), (5, 73773), (8, 73821),

Gene: Porcelain_127 Start: 68822, Stop: 69052, Start Num: 2
Candidate Starts for Porcelain_127:
(Start: 2 @68822 has 11 MA's), (6, 68957), (7, 68981), (8, 68993),

Gene: Pound_120 Start: 70039, Stop: 70263, Start Num: 3
Candidate Starts for Pound_120:
(Start: 3 @70039 has 30 MA's), (4, 70141), (5, 70156), (8, 70204), (9, 70216),

Gene: Rearden_127 Start: 68913, Stop: 69143, Start Num: 2
Candidate Starts for Rearden_127:
(Start: 2 @68913 has 11 MA's), (6, 69048), (7, 69072), (8, 69084),

Gene: Redno2_123 Start: 69089, Stop: 69313, Start Num: 3
Candidate Starts for Redno2_123:
(Start: 3 @69089 has 30 MA's), (4, 69191), (5, 69206), (8, 69254),

Gene: Schatzie_127 Start: 71752, Stop: 71976, Start Num: 3
Candidate Starts for Schatzie_127:
(Start: 3 @71752 has 30 MA's), (4, 71854), (5, 71869), (8, 71917), (9, 71929),

Gene: Shaboozey_130 Start: 69337, Stop: 69564, Start Num: 2
Candidate Starts for Shaboozey_130:
(Start: 2 @69337 has 11 MA's), (6, 69472), (7, 69496), (8, 69508),

Gene: Squint_127 Start: 69127, Stop: 69354, Start Num: 2
Candidate Starts for Squint_127:
(Start: 2 @69127 has 11 MA's), (6, 69262), (7, 69286), (8, 69298),

Gene: Superphikiman_126 Start: 68039, Stop: 68266, Start Num: 2
Candidate Starts for Superphikiman_126:
(Start: 2 @68039 has 11 MA's), (6, 68174), (7, 68198), (8, 68210),

Gene: Thibault_113 Start: 66424, Stop: 66648, Start Num: 3
Candidate Starts for Thibault_113:
(Start: 3 @66424 has 30 MA's), (4, 66526), (5, 66541), (8, 66589),

Gene: ThreeRngTarjay_127 Start: 72247, Stop: 72471, Start Num: 3
Candidate Starts for ThreeRngTarjay_127:
(Start: 3 @72247 has 30 MA's), (4, 72349), (5, 72364), (8, 72412),

Gene: Wanda_130 Start: 69382, Stop: 69606, Start Num: 3
Candidate Starts for Wanda_130:
(Start: 3 @69382 has 30 MA's), (4, 69484), (5, 69499), (8, 69547),

Gene: Xiaokay_125 Start: 69320, Stop: 69544, Start Num: 3
Candidate Starts for Xiaokay_125:
(Start: 3 @69320 has 30 MA's), (4, 69422), (5, 69437), (8, 69485),

Gene: Yeet_123 Start: 70969, Stop: 71193, Start Num: 3
Candidate Starts for Yeet_123:
(Start: 3 @70969 has 30 MA's), (4, 71071), (5, 71086), (8, 71134),

Gene: Zelink_126 Start: 72194, Stop: 72418, Start Num: 3
Candidate Starts for Zelink_126:
(Start: 3 @72194 has 30 MA's), (4, 72296), (5, 72311), (8, 72359),