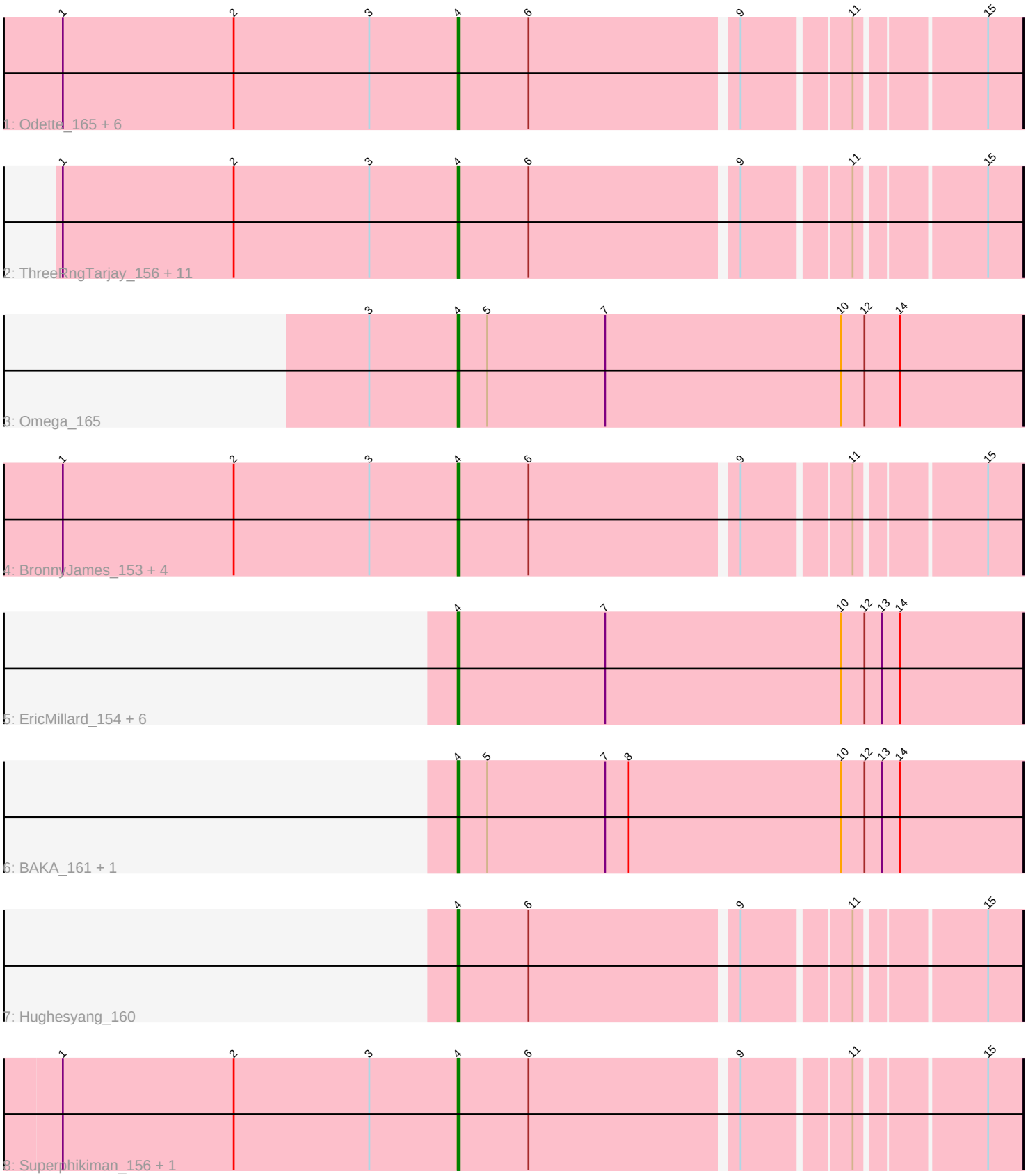
Pham 347828


1: Odette_165 + 6
2: ThreeRngTarjay_156 + 11
3: Omega_165
4: BronnyJames_153 + 4
5: EricMillard_154 + 6
6: BAKA_161 + 1
7: Hughesyang_160
8: Superphikiman_156 + 1

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 347828 Report

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

Pham number 347828 has 37 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Odette_165, Lucky2013_151, Courthouse_155, Squint_152, Schatzie_156, MiaZeal_158, Porcelain_155
• Track 2 : ThreeRngTarjay_156, HokkenD_155, JuicyJay_155, Dove_147, Rearden_153, Gonephishing_153, Bombitas_147, Redno2_154, LittleE_161, Nekros_157, NihilNomen_162, Phoebus_161
• Track 3 : Omega_165
• Track 4 : BronnyJames_153, Hannaconda_153, Nibley_152, Shaboozey_156, KashFlow_158
• Track 5 : EricMillard_154, Kalah2_152, Bagrid_164, Constella_152, Duke13_158, Optimus_152, Hidrated_146
• Track 6 : BAKA_161, Klein_159
• Track 7 : Hughesyang_160
• Track 8 : Superphikiman_156, Ariel_158

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

The start number called the most often in the published annotations is 4, it was called in 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_158, BAKA_161, Bagrid_164, Bombitas_147, BronnyJames_153, Constella_152, Courthouse_155, Dove_147, Duke13_158, EricMillard_154, Gonephishing_153, Hannaconda_153, Hidrated_146, HokkenD_155, Hughesyang_160, JuicyJay_155, Kalah2_152, KashFlow_158, Klein_159, LittleE_161, Lucky2013_151, MiaZeal_158, Nekros_157, Nibley_152, NihilNomen_162, Odette_165, Omega_165, Optimus_152, Phoebus_161, Porcelain_155, Rearden_153, Redno2_154, Schatzie_156, Shaboozey_156, Squint_152, Superphikiman_156, ThreeRngTarjay_156,

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

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

Summary by start number:

Start 4:
• Found in 37 of 37 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_158 (J), BAKA_161 (J), Bagrid_164 (J), Bombitas_147 (J), BronnyJames_153 (J), Constella_152 (J), Courthouse_155 (J), Dove_147 (J), Duke13_158 (J), EricMillard_154 (J), Gonephishing_153 (J), Hannaconda_153 (J), Hidrated_146 (J), HokkenD_155 (J), Hughesyang_160 (J), JuicyJay_155 (J), Kalah2_152 (J), KashFlow_158 (J), Klein_159 (J), LittleE_161 (J), Lucky2013_151 (J), MiaZeal_158 (J), Nekros_157 (J), Nibley_152 (J), NihilNomen_162 (J), Odette_165 (J), Omega_165 (J), Optimus_152 (J), Phoebus_161 (J), Porcelain_155 (J), Rearden_153 (J), Redno2_154 (J), Schatzie_156 (J), Shaboozey_156 (J), Squint_152 (J), Superphikiman_156 (J), ThreeRngTarjay_156 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 4 was manually annotated 29 times for cluster J.

Gene Information:

Gene: Ariel_158 Start: 81691, Stop: 81957, Start Num: 4
Candidate Starts for Ariel_158:
(1, 81490), (2, 81577), (3, 81646), (Start: 4 @81691 has 29 MA's), (6, 81727), (9, 81829), (11, 81880), (15, 81940),

Gene: BAKA_161 Start: 85520, Stop: 85807, Start Num: 4
Candidate Starts for BAKA_161:
(Start: 4 @85520 has 29 MA's), (5, 85535), (7, 85595), (8, 85607), (10, 85715), (12, 85727), (13, 85736), (14, 85745),

Gene: Bagrid_164 Start: 86749, Stop: 87036, Start Num: 4
Candidate Starts for Bagrid_164:
(Start: 4 @86749 has 29 MA's), (7, 86824), (10, 86944), (12, 86956), (13, 86965), (14, 86974),

Gene: Bombitas_147 Start: 82786, Stop: 83052, Start Num: 4
Candidate Starts for Bombitas_147:
(1, 82585), (2, 82672), (3, 82741), (Start: 4 @82786 has 29 MA's), (6, 82822), (9, 82924), (11, 82975), (15, 83035),

Gene: BronnyJames_153 Start: 81952, Stop: 82218, Start Num: 4
Candidate Starts for BronnyJames_153:
(1, 81751), (2, 81838), (3, 81907), (Start: 4 @81952 has 29 MA's), (6, 81988), (9, 82090), (11, 82141), (15, 82201),

Gene: Constella_152 Start: 83751, Stop: 84038, Start Num: 4
Candidate Starts for Constella_152:
(Start: 4 @83751 has 29 MA's), (7, 83826), (10, 83946), (12, 83958), (13, 83967), (14, 83976),

Gene: Courthouse_155 Start: 82135, Stop: 82401, Start Num: 4
Candidate Starts for Courthouse_155:
(1, 81934), (2, 82021), (3, 82090), (Start: 4 @82135 has 29 MA's), (6, 82171), (9, 82273), (11, 82324), (15, 82384),

Gene: Dove_147 Start: 81142, Stop: 81408, Start Num: 4
Candidate Starts for Dove_147:
(1, 80941), (2, 81028), (3, 81097), (Start: 4 @81142 has 29 MA's), (6, 81178), (9, 81280), (11, 81331), (15, 81391),

Gene: Duke13_158 Start: 84016, Stop: 84303, Start Num: 4
Candidate Starts for Duke13_158:
(Start: 4 @84016 has 29 MA's), (7, 84091), (10, 84211), (12, 84223), (13, 84232), (14, 84241),

Gene: EricMillard_154 Start: 85359, Stop: 85646, Start Num: 4
Candidate Starts for EricMillard_154:
(Start: 4 @85359 has 29 MA's), (7, 85434), (10, 85554), (12, 85566), (13, 85575), (14, 85584),

Gene: Gonephishing_153 Start: 83595, Stop: 83861, Start Num: 4
Candidate Starts for Gonephishing_153:
(1, 83394), (2, 83481), (3, 83550), (Start: 4 @83595 has 29 MA's), (6, 83631), (9, 83733), (11, 83784), (15, 83844),

Gene: Hannaconda_153 Start: 85650, Stop: 85916, Start Num: 4
Candidate Starts for Hannaconda_153:
(1, 85449), (2, 85536), (3, 85605), (Start: 4 @85650 has 29 MA's), (6, 85686), (9, 85788), (11, 85839), (15, 85899),

Gene: Hidrated_146 Start: 85246, Stop: 85533, Start Num: 4
Candidate Starts for Hidrated_146:
(Start: 4 @85246 has 29 MA's), (7, 85321), (10, 85441), (12, 85453), (13, 85462), (14, 85471),

Gene: HokkenD_155 Start: 86864, Stop: 87130, Start Num: 4
Candidate Starts for HokkenD_155:
(1, 86663), (2, 86750), (3, 86819), (Start: 4 @86864 has 29 MA's), (6, 86900), (9, 87002), (11, 87053), (15, 87113),

Gene: Hughesyang_160 Start: 85817, Stop: 86083, Start Num: 4
Candidate Starts for Hughesyang_160:
(Start: 4 @85817 has 29 MA's), (6, 85853), (9, 85955), (11, 86006), (15, 86066),

Gene: JuicyJay_155 Start: 86511, Stop: 86777, Start Num: 4
Candidate Starts for JuicyJay_155:
(1, 86310), (2, 86397), (3, 86466), (Start: 4 @86511 has 29 MA's), (6, 86547), (9, 86649), (11, 86700), (15, 86760),

Gene: Kalah2_152 Start: 84947, Stop: 85234, Start Num: 4
Candidate Starts for Kalah2_152:
(Start: 4 @84947 has 29 MA's), (7, 85022), (10, 85142), (12, 85154), (13, 85163), (14, 85172),

Gene: KashFlow_158 Start: 85463, Stop: 85729, Start Num: 4
Candidate Starts for KashFlow_158:
(1, 85262), (2, 85349), (3, 85418), (Start: 4 @85463 has 29 MA's), (6, 85499), (9, 85601), (11, 85652), (15, 85712),

Gene: Klein_159 Start: 83307, Stop: 83594, Start Num: 4
Candidate Starts for Klein_159:
(Start: 4 @83307 has 29 MA's), (5, 83322), (7, 83382), (8, 83394), (10, 83502), (12, 83514), (13, 83523), (14, 83532),

Gene: LittleE_161 Start: 85235, Stop: 85501, Start Num: 4
Candidate Starts for LittleE_161:
(1, 85034), (2, 85121), (3, 85190), (Start: 4 @85235 has 29 MA's), (6, 85271), (9, 85373), (11, 85424), (15, 85484),

Gene: Lucky2013_151 Start: 80304, Stop: 80570, Start Num: 4
Candidate Starts for Lucky2013_151:
(1, 80103), (2, 80190), (3, 80259), (Start: 4 @80304 has 29 MA's), (6, 80340), (9, 80442), (11, 80493), (15, 80553),

Gene: MiaZeal_158 Start: 81451, Stop: 81717, Start Num: 4
Candidate Starts for MiaZeal_158:
(1, 81250), (2, 81337), (3, 81406), (Start: 4 @81451 has 29 MA's), (6, 81487), (9, 81589), (11, 81640), (15, 81700),

Gene: Nekros_157 Start: 84912, Stop: 85178, Start Num: 4
Candidate Starts for Nekros_157:
(1, 84711), (2, 84798), (3, 84867), (Start: 4 @84912 has 29 MA's), (6, 84948), (9, 85050), (11, 85101), (15, 85161),

Gene: Nibley_152 Start: 81529, Stop: 81795, Start Num: 4
Candidate Starts for Nibley_152:
(1, 81328), (2, 81415), (3, 81484), (Start: 4 @81529 has 29 MA's), (6, 81565), (9, 81667), (11, 81718), (15, 81778),

Gene: NihilNomen_162 Start: 84637, Stop: 84903, Start Num: 4
Candidate Starts for NihilNomen_162:
(1, 84436), (2, 84523), (3, 84592), (Start: 4 @84637 has 29 MA's), (6, 84673), (9, 84775), (11, 84826), (15, 84886),

Gene: Odette_165 Start: 87570, Stop: 87836, Start Num: 4
Candidate Starts for Odette_165:
(1, 87369), (2, 87456), (3, 87525), (Start: 4 @87570 has 29 MA's), (6, 87606), (9, 87708), (11, 87759), (15, 87819),

Gene: Omega_165 Start: 86340, Stop: 86627, Start Num: 4
Candidate Starts for Omega_165:
(3, 86295), (Start: 4 @86340 has 29 MA's), (5, 86355), (7, 86415), (10, 86535), (12, 86547), (14, 86565),

Gene: Optimus_152 Start: 83836, Stop: 84123, Start Num: 4
Candidate Starts for Optimus_152:

(Start: 4 @83836 has 29 MA's), (7, 83911), (10, 84031), (12, 84043), (13, 84052), (14, 84061),

Gene: Phoebus_161 Start: 88324, Stop: 88590, Start Num: 4
Candidate Starts for Phoebus_161:
(1, 88123), (2, 88210), (3, 88279), (Start: 4 @88324 has 29 MA's), (6, 88360), (9, 88462), (11, 88513), (15, 88573),

Gene: Porcelain_155 Start: 81250, Stop: 81516, Start Num: 4
Candidate Starts for Porcelain_155:
(1, 81049), (2, 81136), (3, 81205), (Start: 4 @81250 has 29 MA's), (6, 81286), (9, 81388), (11, 81439), (15, 81499),

Gene: Rearden_153 Start: 82148, Stop: 82414, Start Num: 4
Candidate Starts for Rearden_153:
(1, 81947), (2, 82034), (3, 82103), (Start: 4 @82148 has 29 MA's), (6, 82184), (9, 82286), (11, 82337), (15, 82397),

Gene: Redno2_154 Start: 82437, Stop: 82703, Start Num: 4
Candidate Starts for Redno2_154:
(1, 82236), (2, 82323), (3, 82392), (Start: 4 @82437 has 29 MA's), (6, 82473), (9, 82575), (11, 82626), (15, 82686),

Gene: Schatzie_156 Start: 85624, Stop: 85890, Start Num: 4
Candidate Starts for Schatzie_156:
(1, 85423), (2, 85510), (3, 85579), (Start: 4 @85624 has 29 MA's), (6, 85660), (9, 85762), (11, 85813), (15, 85873),

Gene: Shaboozey_156 Start: 81973, Stop: 82239, Start Num: 4
Candidate Starts for Shaboozey_156:
(1, 81772), (2, 81859), (3, 81928), (Start: 4 @81973 has 29 MA's), (6, 82009), (9, 82111), (11, 82162), (15, 82222),

Gene: Squint_152 Start: 81944, Stop: 82210, Start Num: 4
Candidate Starts for Squint_152:
(1, 81743), (2, 81830), (3, 81899), (Start: 4 @81944 has 29 MA's), (6, 81980), (9, 82082), (11, 82133), (15, 82193),

Gene: Superphikiman_156 Start: 81831, Stop: 82097, Start Num: 4
Candidate Starts for Superphikiman_156:
(1, 81630), (2, 81717), (3, 81786), (Start: 4 @81831 has 29 MA's), (6, 81867), (9, 81969), (11, 82020), (15, 82080),

Gene: ThreeRngTarjay_156 Start: 85845, Stop: 86111, Start Num: 4
Candidate Starts for ThreeRngTarjay_156:
(1, 85644), (2, 85731), (3, 85800), (Start: 4 @85845 has 29 MA's), (6, 85881), (9, 85983), (11, 86034), (15, 86094),