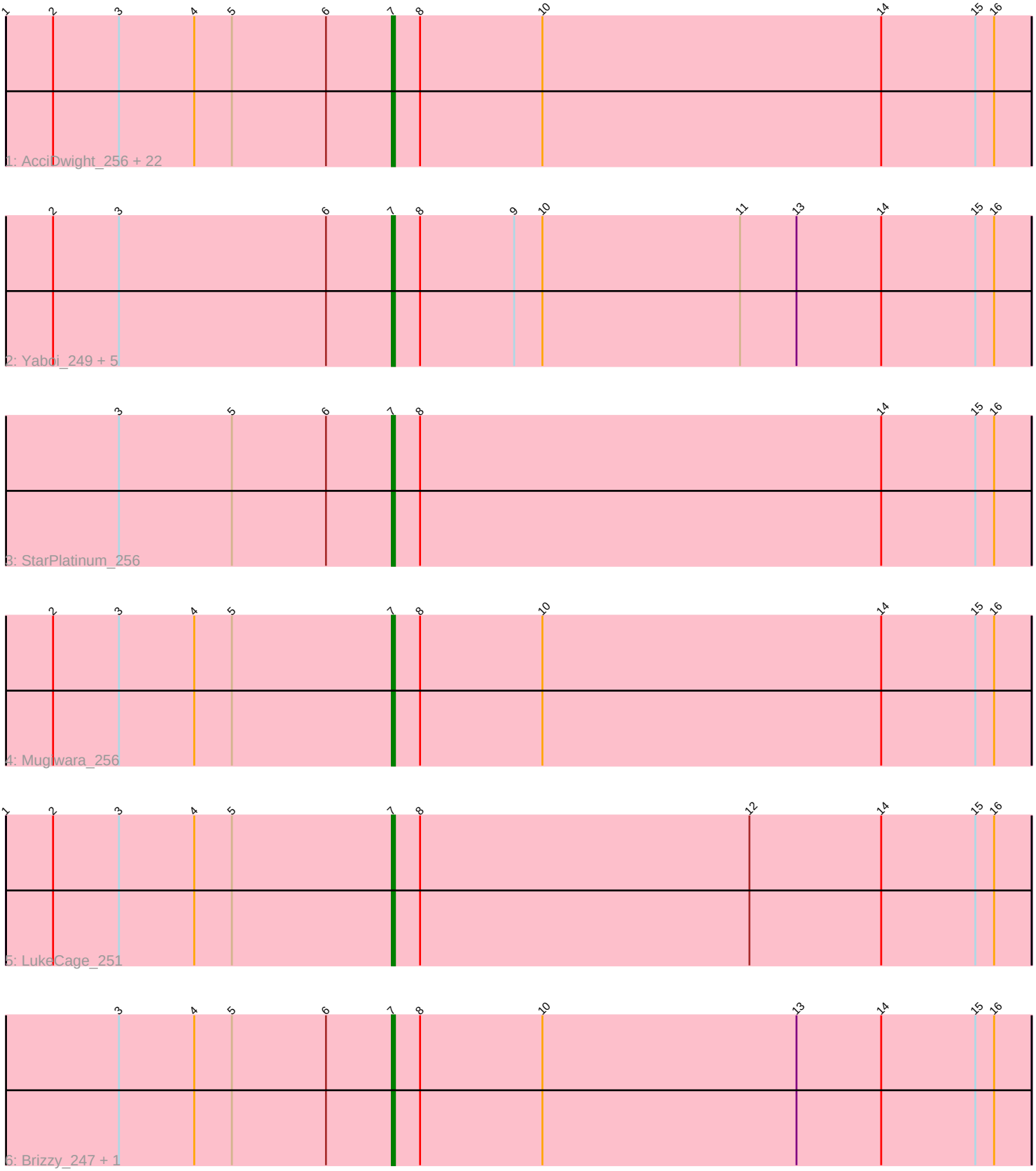
Pham 347863


1
2
3
4
5
6
7
8
10
14
15
16
1: AcciDwight_256 + 22
2
3
6
7
8
9
10
11
13
14
15
16
2: Yaboi_249 + 5
3
5
6
7
8
14
15
16
3: StarPlatinum_256
2
3
4
5
7
8
10
14
15
16
4: Mugiwara_256
1
2
3
4
5
7
8
12
14
15
16
5: LukeCage_251
3
4
5
6
7
8
10
13
14
15
16
6: Brizzy_247 + 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 347863 Report

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

Pham number 347863 has 34 members, 3 are drafts.

Phages represented in each track:
• Track 1 : AcciDwight_256, Rikishi_249, Tuesday_255, IchabodCrane_242, Spelly_253, Quaran19_248, TomSawyer_252, Gibbi_256, JimJam_255, Jollison_245, CeilingFan_252, KentuckyRacer_254, Starbow_245, Battuta_246, SaltySpitoon_248, Birchlyn_247, Amabiko_252, Wipeout_238, Spilled_255, Bordeaux_246, PumpkinSpice_251, MindFlayer_241, Daisy123_250
• Track 2 : Yaboi_249, BoomerJR_244, AngryGiraffe_244, Stanimal_244, Genie2_244, Sollertia_245
• Track 3 : StarPlatinum_256
• Track 4 : Mugiwara_256
• Track 5 : LukeCage_251
• Track 6 : Brizzy_247, Karimac_248

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

The start number called the most often in the published annotations is 7, it was called in 31 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_256, Amabiko_252, AngryGiraffe_244, Battuta_246, Birchlyn_247, BoomerJR_244, Bordeaux_246, Brizzy_247, CeilingFan_252, Daisy123_250, Genie2_244, Gibbi_256, IchabodCrane_242, JimJam_255, Jollison_245, Karimac_248, KentuckyRacer_254, LukeCage_251, MindFlayer_241, Mugiwara_256, PumpkinSpice_251, Quaran19_248, Rikishi_249, SaltySpitoon_248, Sollertia_245, Spelly_253, Spilled_255, Stanimal_244, StarPlatinum_256, Starbow_245, TomSawyer_252, Tuesday_255, Wipeout_238, Yaboi_249,

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 7:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 31 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_256 (BE2), Amabiko_252 (BE2), AngryGiraffe_244 (BE2), Battuta_246 (BE2), Birchlyn_247 (BE2), BoomerJR_244 (BE2), Bordeaux_246 (BE2), Brizzy_247 (BE2), CeilingFan_252 (BE2), Daisy123_250 (BE2), Genie2_244 (BE2), Gibbi_256 (BE2), IchabodCrane_242 (BE2), JimJam_255 (BE2), Jollison_245 (BE2), Karimac_248 (BE2), KentuckyRacer_254 (BE2), LukeCage_251 (BE2), MindFlayer_241 (BE2), Mugiwara_256 (BE2), PumpkinSpice_251 (BE2), Quaran19_248 (BE2), Rikishi_249 (BE2), SaltySpitoon_248 (BE2), Sollertia_245 (BE2), Spelly_253 (BE2), Spilled_255 (BE2), Stanimal_244 (BE2), StarPlatinum_256 (BE2), Starbow_245 (BE2), TomSawyer_252 (BE2), Tuesday_255 (BE2), Wipeout_238 (BE2), Yaboi_249 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:
•Start number 7 was manually annotated 31 times for cluster BE2.

Gene Information:

Gene: AcciDwight_256 Start: 114754, Stop: 114957, Start Num: 7
Candidate Starts for AcciDwight_256:
(1, 114631), (2, 114646), (3, 114667), (4, 114691), (5, 114703), (6, 114733), (Start: 7 @114754 has 31 MA's), (8, 114763), (10, 114802), (14, 114910), (15, 114940), (16, 114946),

Gene: Amabiko_252 Start: 114572, Stop: 114775, Start Num: 7
Candidate Starts for Amabiko_252:
(1, 114449), (2, 114464), (3, 114485), (4, 114509), (5, 114521), (6, 114551), (Start: 7 @114572 has 31 MA's), (8, 114581), (10, 114620), (14, 114728), (15, 114758), (16, 114764),

Gene: AngryGiraffe_244 Start: 113876, Stop: 114079, Start Num: 7
Candidate Starts for AngryGiraffe_244:
(2, 113768), (3, 113789), (6, 113855), (Start: 7 @113876 has 31 MA's), (8, 113885), (9, 113915), (10, 113924), (11, 113987), (13, 114005), (14, 114032), (15, 114062), (16, 114068),

Gene: Battuta_246 Start: 113887, Stop: 114090, Start Num: 7
Candidate Starts for Battuta_246:
(1, 113764), (2, 113779), (3, 113800), (4, 113824), (5, 113836), (6, 113866), (Start: 7 @113887 has 31 MA's), (8, 113896), (10, 113935), (14, 114043), (15, 114073), (16, 114079),

Gene: Birchlyn_247 Start: 111820, Stop: 112023, Start Num: 7
Candidate Starts for Birchlyn_247:
(1, 111697), (2, 111712), (3, 111733), (4, 111757), (5, 111769), (6, 111799), (Start: 7 @111820 has 31 MA's), (8, 111829), (10, 111868), (14, 111976), (15, 112006), (16, 112012),

Gene: BoomerJR_244 Start: 114309, Stop: 114512, Start Num: 7
Candidate Starts for BoomerJR_244:

(2, 114201), (3, 114222), (6, 114288), (Start: 7 @114309 has 31 MA's), (8, 114318), (9, 114348), (10, 114357), (11, 114420), (13, 114438), (14, 114465), (15, 114495), (16, 114501),

Gene: Bordeaux_246 Start: 114470, Stop: 114673, Start Num: 7
Candidate Starts for Bordeaux_246:
(1, 114347), (2, 114362), (3, 114383), (4, 114407), (5, 114419), (6, 114449), (Start: 7 @114470 has 31 MA's), (8, 114479), (10, 114518), (14, 114626), (15, 114656), (16, 114662),

Gene: Brizzy_247 Start: 114998, Stop: 115201, Start Num: 7
Candidate Starts for Brizzy_247:
(3, 114911), (4, 114935), (5, 114947), (6, 114977), (Start: 7 @114998 has 31 MA's), (8, 115007), (10, 115046), (13, 115127), (14, 115154), (15, 115184), (16, 115190),

Gene: CeilingFan_252 Start: 115265, Stop: 115468, Start Num: 7
Candidate Starts for CeilingFan_252:
(1, 115142), (2, 115157), (3, 115178), (4, 115202), (5, 115214), (6, 115244), (Start: 7 @115265 has 31 MA's), (8, 115274), (10, 115313), (14, 115421), (15, 115451), (16, 115457),

Gene: Daisy123_250 Start: 115127, Stop: 115330, Start Num: 7
Candidate Starts for Daisy123_250:
(1, 115004), (2, 115019), (3, 115040), (4, 115064), (5, 115076), (6, 115106), (Start: 7 @115127 has 31 MA's), (8, 115136), (10, 115175), (14, 115283), (15, 115313), (16, 115319),

Gene: Genie2_244 Start: 114434, Stop: 114637, Start Num: 7
Candidate Starts for Genie2_244:
(2, 114326), (3, 114347), (6, 114413), (Start: 7 @114434 has 31 MA's), (8, 114443), (9, 114473), (10, 114482), (11, 114545), (13, 114563), (14, 114590), (15, 114620), (16, 114626),

Gene: Gibbi_256 Start: 114758, Stop: 114961, Start Num: 7
Candidate Starts for Gibbi_256:
(1, 114635), (2, 114650), (3, 114671), (4, 114695), (5, 114707), (6, 114737), (Start: 7 @114758 has 31 MA's), (8, 114767), (10, 114806), (14, 114914), (15, 114944), (16, 114950),

Gene: IchabodCrane_242 Start: 114273, Stop: 114476, Start Num: 7
Candidate Starts for IchabodCrane_242:
(1, 114150), (2, 114165), (3, 114186), (4, 114210), (5, 114222), (6, 114252), (Start: 7 @114273 has 31 MA's), (8, 114282), (10, 114321), (14, 114429), (15, 114459), (16, 114465),

Gene: JimJam_255 Start: 116194, Stop: 116397, Start Num: 7
Candidate Starts for JimJam_255:
(1, 116071), (2, 116086), (3, 116107), (4, 116131), (5, 116143), (6, 116173), (Start: 7 @116194 has 31 MA's), (8, 116203), (10, 116242), (14, 116350), (15, 116380), (16, 116386),

Gene: Jollison_245 Start: 114404, Stop: 114607, Start Num: 7
Candidate Starts for Jollison_245:
(1, 114281), (2, 114296), (3, 114317), (4, 114341), (5, 114353), (6, 114383), (Start: 7 @114404 has 31 MA's), (8, 114413), (10, 114452), (14, 114560), (15, 114590), (16, 114596),

Gene: Karimac_248 Start: 114589, Stop: 114792, Start Num: 7
Candidate Starts for Karimac_248:
(3, 114502), (4, 114526), (5, 114538), (6, 114568), (Start: 7 @114589 has 31 MA's), (8, 114598), (10, 114637), (13, 114718), (14, 114745), (15, 114775), (16, 114781),

Gene: KentuckyRacer_254 Start: 116109, Stop: 116312, Start Num: 7
Candidate Starts for KentuckyRacer_254:
(1, 115986), (2, 116001), (3, 116022), (4, 116046), (5, 116058), (6, 116088), (Start: 7 @116109 has 31 MA's), (8, 116118), (10, 116157), (14, 116265), (15, 116295), (16, 116301),

Gene: LukeCage_251 Start: 116434, Stop: 116637, Start Num: 7
Candidate Starts for LukeCage_251:
(1, 116311), (2, 116326), (3, 116347), (4, 116371), (5, 116383), (Start: 7 @116434 has 31 MA's), (8, 116443), (12, 116548), (14, 116590), (15, 116620), (16, 116626),

Gene: MindFlayer_241 Start: 113789, Stop: 113992, Start Num: 7
Candidate Starts for MindFlayer_241:
(1, 113666), (2, 113681), (3, 113702), (4, 113726), (5, 113738), (6, 113768), (Start: 7 @113789 has 31 MA's), (8, 113798), (10, 113837), (14, 113945), (15, 113975), (16, 113981),

Gene: Mugiwara_256 Start: 117140, Stop: 117343, Start Num: 7
Candidate Starts for Mugiwara_256:
(2, 117032), (3, 117053), (4, 117077), (5, 117089), (Start: 7 @117140 has 31 MA's), (8, 117149), (10, 117188), (14, 117296), (15, 117326), (16, 117332),

Gene: PumpkinSpice_251 Start: 115010, Stop: 115213, Start Num: 7
Candidate Starts for PumpkinSpice_251:
(1, 114887), (2, 114902), (3, 114923), (4, 114947), (5, 114959), (6, 114989), (Start: 7 @115010 has 31 MA's), (8, 115019), (10, 115058), (14, 115166), (15, 115196), (16, 115202),

Gene: Quaran19_248 Start: 114451, Stop: 114654, Start Num: 7
Candidate Starts for Quaran19_248:
(1, 114328), (2, 114343), (3, 114364), (4, 114388), (5, 114400), (6, 114430), (Start: 7 @114451 has 31 MA's), (8, 114460), (10, 114499), (14, 114607), (15, 114637), (16, 114643),

Gene: Rikishi_249 Start: 114732, Stop: 114935, Start Num: 7
Candidate Starts for Rikishi_249:
(1, 114609), (2, 114624), (3, 114645), (4, 114669), (5, 114681), (6, 114711), (Start: 7 @114732 has 31 MA's), (8, 114741), (10, 114780), (14, 114888), (15, 114918), (16, 114924),

Gene: SaltySpitoon_248 Start: 113993, Stop: 114196, Start Num: 7
Candidate Starts for SaltySpitoon_248:
(1, 113870), (2, 113885), (3, 113906), (4, 113930), (5, 113942), (6, 113972), (Start: 7 @113993 has 31 MA's), (8, 114002), (10, 114041), (14, 114149), (15, 114179), (16, 114185),

Gene: Sollertia_245 Start: 114423, Stop: 114626, Start Num: 7
Candidate Starts for Sollertia_245:
(2, 114315), (3, 114336), (6, 114402), (Start: 7 @114423 has 31 MA's), (8, 114432), (9, 114462), (10, 114471), (11, 114534), (13, 114552), (14, 114579), (15, 114609), (16, 114615),

Gene: Spelly_253 Start: 113922, Stop: 114125, Start Num: 7
Candidate Starts for Spelly_253:
(1, 113799), (2, 113814), (3, 113835), (4, 113859), (5, 113871), (6, 113901), (Start: 7 @113922 has 31 MA's), (8, 113931), (10, 113970), (14, 114078), (15, 114108), (16, 114114),

Gene: Spilled_255 Start: 115126, Stop: 115329, Start Num: 7
Candidate Starts for Spilled_255:

(1, 115003), (2, 115018), (3, 115039), (4, 115063), (5, 115075), (6, 115105), (Start: 7 @115126 has 31 MA's), (8, 115135), (10, 115174), (14, 115282), (15, 115312), (16, 115318),

Gene: Stanimal_244 Start: 114795, Stop: 114998, Start Num: 7
Candidate Starts for Stanimal_244:
(2, 114687), (3, 114708), (6, 114774), (Start: 7 @114795 has 31 MA's), (8, 114804), (9, 114834), (10, 114843), (11, 114906), (13, 114924), (14, 114951), (15, 114981), (16, 114987),

Gene: StarPlatinum_256 Start: 117210, Stop: 117413, Start Num: 7
Candidate Starts for StarPlatinum_256:
(3, 117123), (5, 117159), (6, 117189), (Start: 7 @117210 has 31 MA's), (8, 117219), (14, 117366), (15, 117396), (16, 117402),

Gene: Starbow_245 Start: 113966, Stop: 114169, Start Num: 7
Candidate Starts for Starbow_245:
(1, 113843), (2, 113858), (3, 113879), (4, 113903), (5, 113915), (6, 113945), (Start: 7 @113966 has 31 MA's), (8, 113975), (10, 114014), (14, 114122), (15, 114152), (16, 114158),

Gene: TomSawyer_252 Start: 116437, Stop: 116640, Start Num: 7
Candidate Starts for TomSawyer_252:
(1, 116314), (2, 116329), (3, 116350), (4, 116374), (5, 116386), (6, 116416), (Start: 7 @116437 has 31 MA's), (8, 116446), (10, 116485), (14, 116593), (15, 116623), (16, 116629),

Gene: Tuesday_255 Start: 114977, Stop: 115180, Start Num: 7
Candidate Starts for Tuesday_255:
(1, 114854), (2, 114869), (3, 114890), (4, 114914), (5, 114926), (6, 114956), (Start: 7 @114977 has 31 MA's), (8, 114986), (10, 115025), (14, 115133), (15, 115163), (16, 115169),

Gene: Wipeout_238 Start: 115389, Stop: 115592, Start Num: 7
Candidate Starts for Wipeout_238:
(1, 115266), (2, 115281), (3, 115302), (4, 115326), (5, 115338), (6, 115368), (Start: 7 @115389 has 31 MA's), (8, 115398), (10, 115437), (14, 115545), (15, 115575), (16, 115581),

Gene: Yaboi_249 Start: 114358, Stop: 114561, Start Num: 7
Candidate Starts for Yaboi_249:
(2, 114250), (3, 114271), (6, 114337), (Start: 7 @114358 has 31 MA's), (8, 114367), (9, 114397), (10, 114406), (11, 114469), (13, 114487), (14, 114514), (15, 114544), (16, 114550),