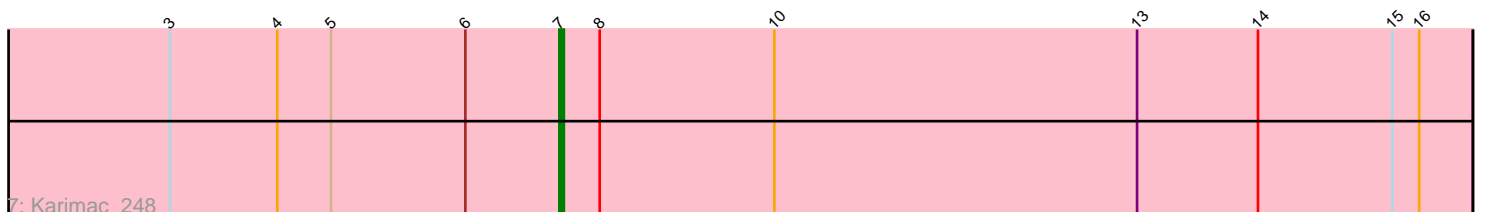
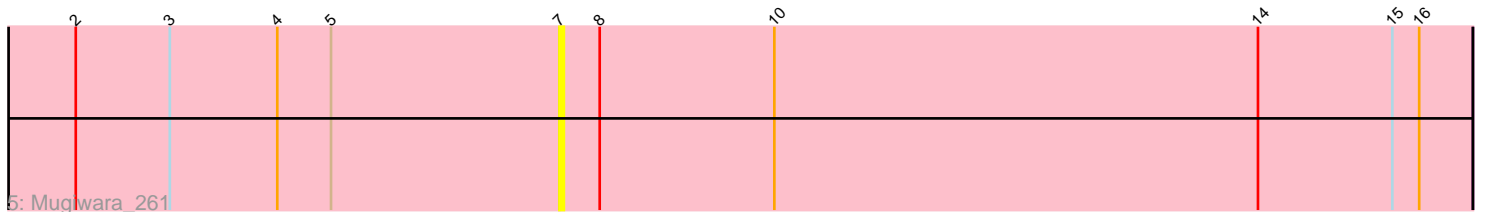
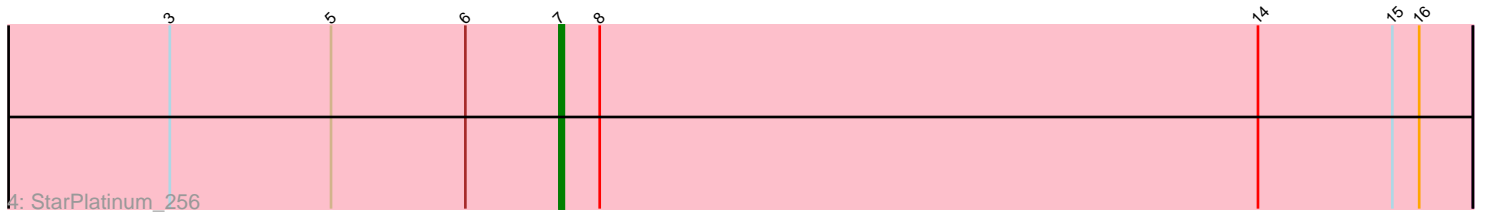
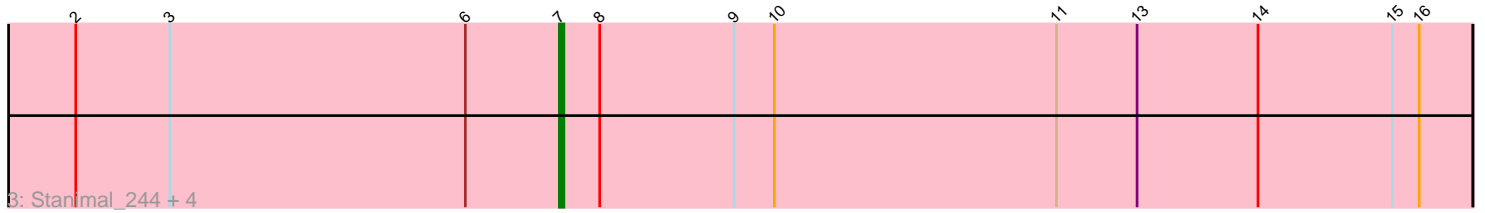
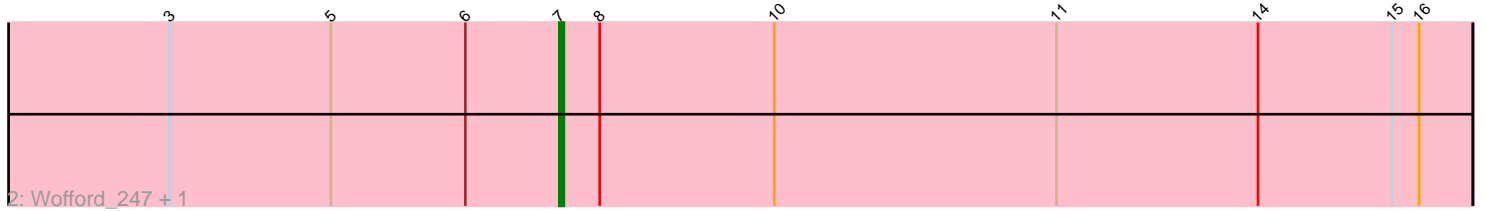
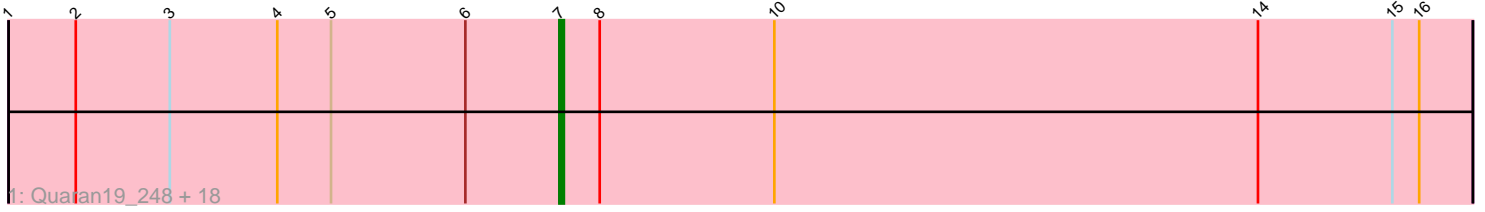


Pham 163829



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 163829 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163829 has 30 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Quarant19_248, IchabodCrane_242, Spelly_253, TomSawyer_252, Gibbi_256, JimJam_255, CeilingFan_260, Spilled_255, Starbow_245, Battuta_246, Jollison_252, SaltySpitooon_248, Birchlyn_247, Amabiko_252, Wipeout_238, KentuckyRacer_259, Bordeaux_246, PumpkinSpice_251, MindFlayer_241
- Track 2 : Wofford_247, Elmer_264
- Track 3 : Stanimal_244, Yaboi_249, BoomerJR_244, Genie2_244, Sollertia_245
- Track 4 : StarPlatinum_256
- Track 5 : Mugiwara_261
- Track 6 : LukeCage_251
- Track 7 : 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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amabiko_252, Battuta_246, Birchlyn_247, BoomerJR_244, Bordeaux_246, CeilingFan_260, Elmer_264, Genie2_244, Gibbi_256, IchabodCrane_242, JimJam_255, Jollison_252, Karimac_248, KentuckyRacer_259, LukeCage_251, MindFlayer_241, Mugiwara_261, PumpkinSpice_251, Quarant19_248, SaltySpitooon_248, Sollertia_245, Spelly_253, Spilled_255, Stanimal_244, StarPlatinum_256, Starbow_245, TomSawyer_252, Wipeout_238, Wofford_247, 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 30 of 30 (100.0%) of genes in pham
- Manual Annotations of this start: 24 of 24
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amabiko_252 (BE2), Battuta_246 (BE2), Birchlyn_247 (BE2), BoomerJR_244 (BE2), Bordeaux_246 (BE2), CeilingFan_260 (BE2), Elmer_264 (BE2), Genie2_244 (BE2), Gibbi_256 (BE2), IchabodCrane_242 (BE2), JimJam_255 (BE2), Jollison_252 (BE2), Karimac_248 (BE2), KentuckyRacer_259 (BE2), LukeCage_251 (BE2), MindFlayer_241 (BE2), Mugiwara_261 (BE2), PumpkinSpice_251 (BE2), Quaran19_248 (BE2), SaltySpittoon_248 (BE2), Sollertia_245 (BE2), Spelly_253 (BE2), Spilled_255 (BE2), Stanimal_244 (BE2), StarPlatinum_256 (BE2), Starbow_245 (BE2), TomSawyer_252 (BE2), Wipeout_238 (BE2), Wofford_247 (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 24 times for cluster BE2.

Gene Information:

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 24 MA's), (8, 114581), (10, 114620), (14, 114728), (15, 114758), (16, 114764),

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 24 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 24 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 24 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 24 MA's), (8, 114479), (10, 114518), (14, 114626), (15, 114656), (16, 114662),

Gene: CeilingFan_260 Start: 115265, Stop: 115468, Start Num: 7

Candidate Starts for CeilingFan_260:

(1, 115142), (2, 115157), (3, 115178), (4, 115202), (5, 115214), (6, 115244), (Start: 7 @115265 has 24 MA's), (8, 115274), (10, 115313), (14, 115421), (15, 115451), (16, 115457),

Gene: Elmer_264 Start: 118030, Stop: 118233, Start Num: 7

Candidate Starts for Elmer_264:

(3, 117943), (5, 117979), (6, 118009), (Start: 7 @118030 has 24 MA's), (8, 118039), (10, 118078), (11, 118141), (14, 118186), (15, 118216), (16, 118222),

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 24 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 24 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 24 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 24 MA's), (8, 116203), (10, 116242), (14, 116350), (15, 116380), (16, 116386),

Gene: Jollison_252 Start: 114404, Stop: 114607, Start Num: 7

Candidate Starts for Jollison_252:

(1, 114281), (2, 114296), (3, 114317), (4, 114341), (5, 114353), (6, 114383), (Start: 7 @114404 has 24 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 24 MA's), (8, 114598), (10, 114637), (13, 114718), (14, 114745), (15, 114775), (16, 114781),

Gene: KentuckyRacer_259 Start: 116109, Stop: 116312, Start Num: 7

Candidate Starts for KentuckyRacer_259:

(1, 115986), (2, 116001), (3, 116022), (4, 116046), (5, 116058), (6, 116088), (Start: 7 @116109 has 24 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 24 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 24 MA's), (8, 113798), (10, 113837), (14, 113945), (15, 113975), (16, 113981),

Gene: Mugiwara_261 Start: 117140, Stop: 117343, Start Num: 7

Candidate Starts for Mugiwara_261:

(2, 117032), (3, 117053), (4, 117077), (5, 117089), (Start: 7 @117140 has 24 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 24 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 24 MA's), (8, 114460), (10, 114499), (14, 114607), (15, 114637), (16, 114643),

Gene: SaltySpittoon_248 Start: 113993, Stop: 114196, Start Num: 7

Candidate Starts for SaltySpittoon_248:

(1, 113870), (2, 113885), (3, 113906), (4, 113930), (5, 113942), (6, 113972), (Start: 7 @113993 has 24 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 24 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 24 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 24 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 24 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 24 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 24 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 24 MA's), (8, 116446), (10, 116485), (14, 116593), (15, 116623), (16, 116629),

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 24 MA's), (8, 115398), (10, 115437), (14, 115545), (15, 115575), (16, 115581),

Gene: Wofford_247 Start: 117472, Stop: 117675, Start Num: 7

Candidate Starts for Wofford_247:

(3, 117385), (5, 117421), (6, 117451), (Start: 7 @117472 has 24 MA's), (8, 117481), (10, 117520), (11, 117583), (14, 117628), (15, 117658), (16, 117664),

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 24 MA's), (8, 114367), (9, 114397), (10, 114406), (11, 114469), (13, 114487), (14, 114514), (15, 114544), (16, 114550),