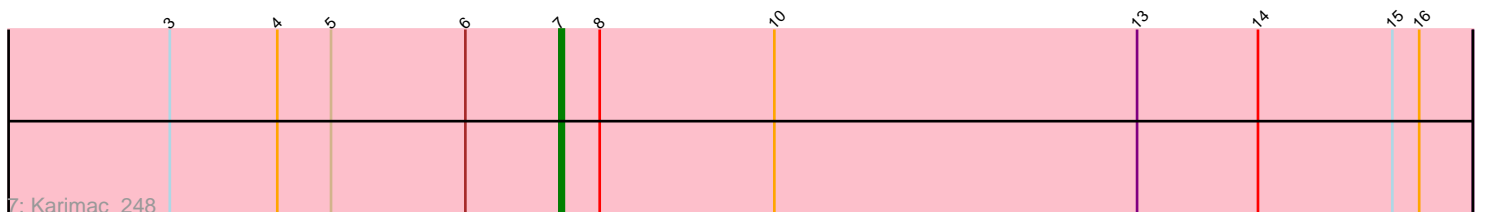
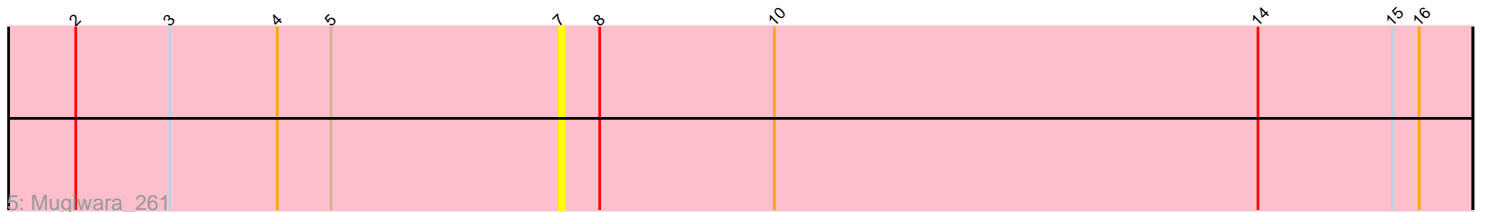
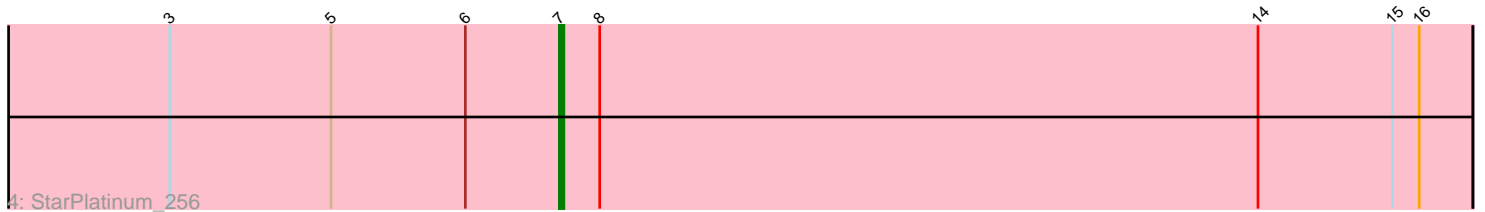
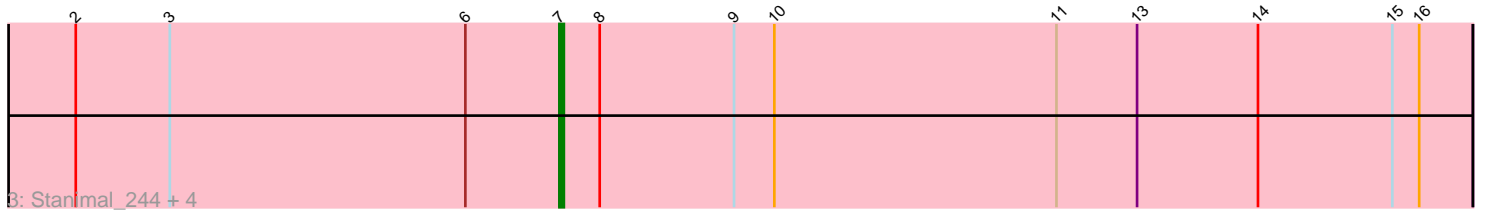
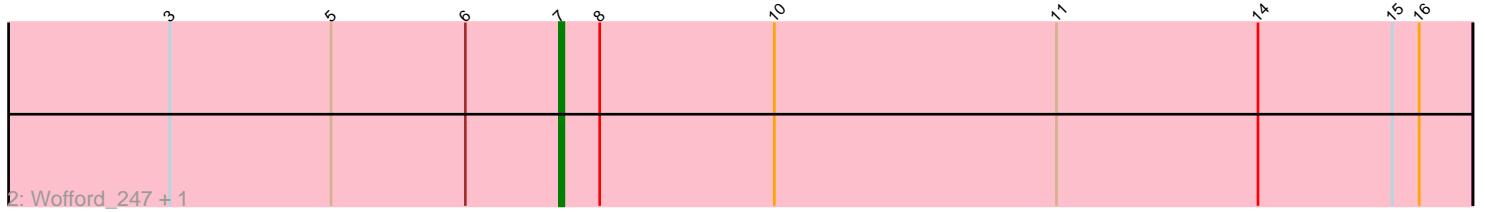
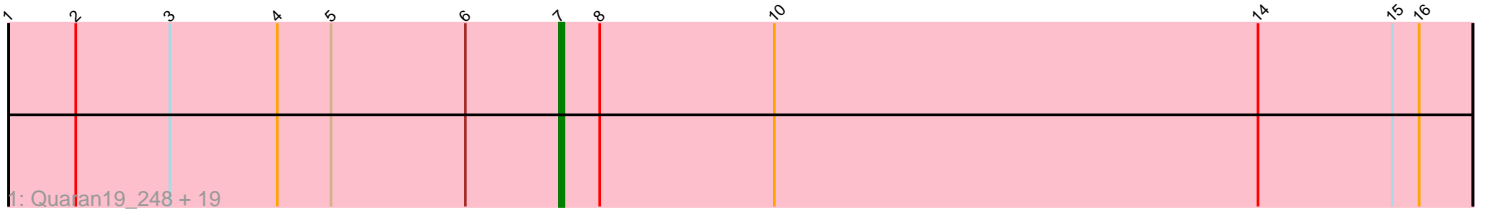


Pham 212848



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 212848 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212848 has 31 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Quarant19_248, IchabodCrane_242, Spelly_253, TomSawyer_252, Gibbi_256, JimJam_255, Amabiko_252, CeilingFan_252, KentuckyRacer_254, Starbow_245, Battuta_246, Rikishi_256, SaltySpitoon_248, Birchlyn_247, Jollison_245, Wipeout_238, Spilled_255, Bordeaux_246, PumpkinSpice_251, MindFlayer_241
- Track 2 : Wofford_247, Elmer_256
- 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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amabiko_252, Battuta_246, Birchlyn_247, BoomerJR_244, Bordeaux_246, CeilingFan_252, Elmer_256, Genie2_244, Gibbi_256, IchabodCrane_242, JimJam_255, Jollison_245, Karimac_248, KentuckyRacer_254, LukeCage_251, MindFlayer_241, Mugiwara_261, PumpkinSpice_251, Quarant19_248, Rikishi_256, SaltySpitoon_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 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 28 of 28
- 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_252 (BE2), Elmer_256 (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_261 (BE2), PumpkinSpice_251 (BE2), Quaran19_248 (BE2), Rikishi_256 (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 28 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 28 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 28 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 28 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 28 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 28 MA's), (8, 114479), (10, 114518), (14, 114626), (15, 114656), (16, 114662),

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 28 MA's), (8, 115274), (10, 115313), (14, 115421), (15, 115451), (16, 115457),

Gene: Elmer_256 Start: 118030, Stop: 118233, Start Num: 7

Candidate Starts for Elmer_256:

(3, 117943), (5, 117979), (6, 118009), (Start: 7 @118030 has 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 MA's), (8, 116443), (12, 116548), (14, 116590), (15, 116620), (16, 116626),

Gene: MindFlyer_241 Start: 113789, Stop: 113992, Start Num: 7

Candidate Starts for MindFlyer_241:

(1, 113666), (2, 113681), (3, 113702), (4, 113726), (5, 113738), (6, 113768), (Start: 7 @113789 has 28 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 28 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 28 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 28 MA's), (8, 114460), (10, 114499), (14, 114607), (15, 114637), (16, 114643),

Gene: Rikishi_256 Start: 114732, Stop: 114935, Start Num: 7

Candidate Starts for Rikishi_256:

(1, 114609), (2, 114624), (3, 114645), (4, 114669), (5, 114681), (6, 114711), (Start: 7 @114732 has 28 MA's), (8, 114741), (10, 114780), (14, 114888), (15, 114918), (16, 114924),

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 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 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 28 MA's), (8, 114367), (9, 114397), (10, 114406), (11, 114469), (13, 114487), (14, 114514), (15, 114544), (16, 114550),