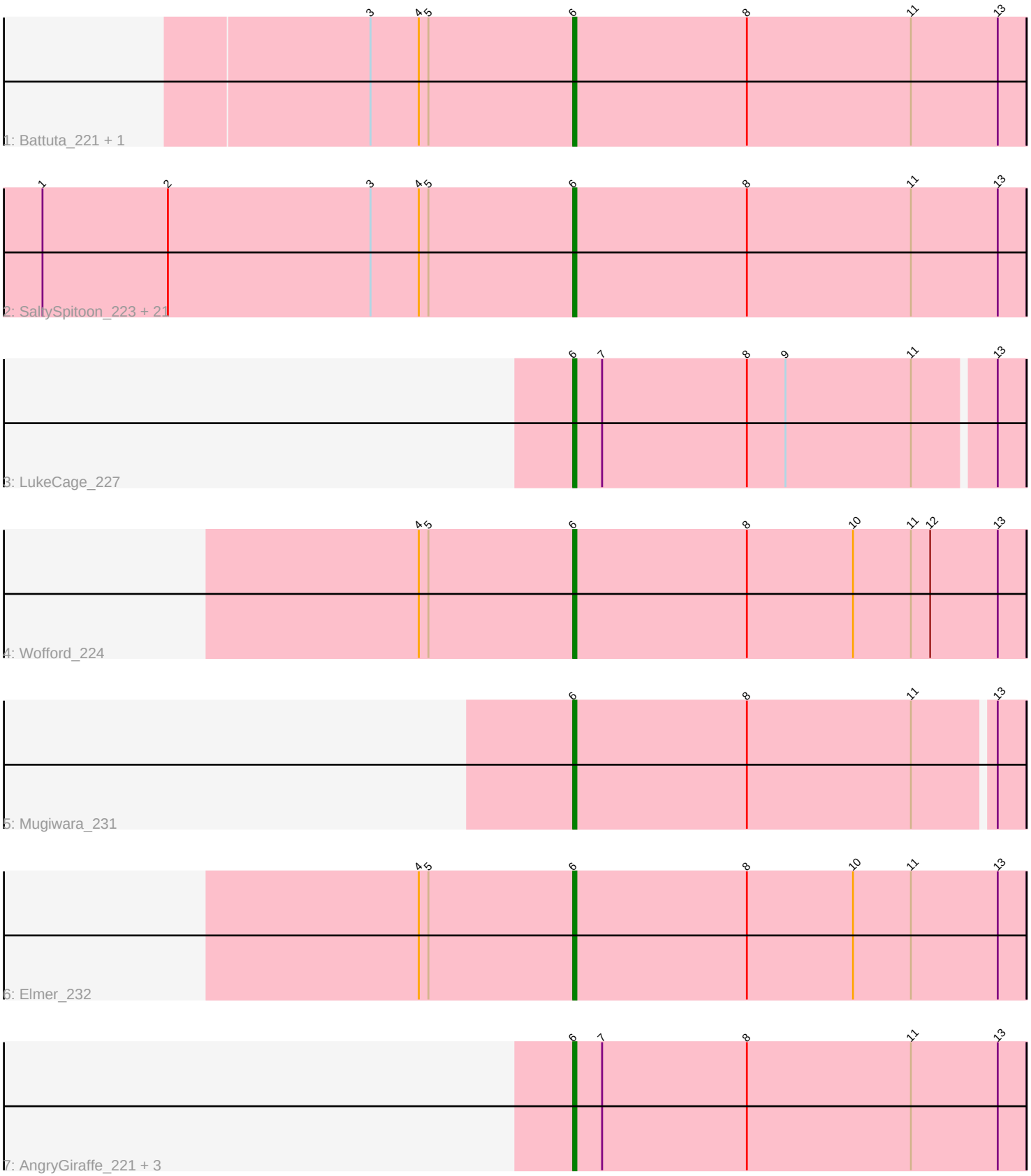
Pham 287059


3
4
5
6
8
11
13
1: Battuta_221 + 1
1
2
3
4
5
6
8
11
13
2: SallySpitoon_223 + 21
6
7
8
9
11
13
3: LukeCage_227
4
5
6
8
10
11
12
13
4: Wofford_224
6
8
11
13
5: Mugiwara_231
4
5
6
8
10
11
13
6: Elmer_232
6
7
8
11
13
7: AngryGiraffe_221 + 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 287059 Report

This analysis was run 03/28/26 on database version 641.

Pham number 287059 has 32 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Battuta_221, Bordeaux_221
• Track 2 : SaltySpitoon_223, Starbow_220, TomSawyer_227, Brizzy_222, JimJam_230, Jollison_220, Gibbi_231, Rikishi_224, Spelly_228, Quaran19_223, Wipeout_214, Amabiko_227, Spilled_230, Karimac_223, PumpkinSpice_226, CeilingFan_227, Birchlyn_222, KentuckyRacer_229, MindFlayer_216, IchabodCrane_217, Enygma_231, AcciDwight_231
• Track 3 : LukeCage_227
• Track 4 : Wofford_224
• Track 5 : Mugiwara_231
• Track 6 : Elmer_232
• Track 7 : AngryGiraffe_221, BoomerJR_221, Genie2_221, StarPlatinum_231

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

The start number called the most often in the published annotations is 6, it was called in 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AcciDwight_231, Amabiko_227, AngryGiraffe_221, Battuta_221, Birchlyn_222, BoomerJR_221, Bordeaux_221, Brizzy_222, CeilingFan_227, Elmer_232, Enygma_231, Genie2_221, Gibbi_231, IchabodCrane_217, JimJam_230, Jollison_220, Karimac_223, KentuckyRacer_229, LukeCage_227, MindFlayer_216, Mugiwara_231, PumpkinSpice_226, Quaran19_223, Rikishi_224, SaltySpitoon_223, Spelly_228, Spilled_230, StarPlatinum_231, Starbow_220, TomSawyer_227, Wipeout_214, Wofford_224,

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 6:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AcciDwight_231 (BE2), Amabiko_227 (BE2), AngryGiraffe_221 (BE2), Battuta_221 (BE2), Birchlyn_222 (BE2), BoomerJR_221 (BE2), Bordeaux_221 (BE2), Brizzy_222 (BE2), CeilingFan_227 (BE2), Elmer_232 (BE2), Enygma_231 (BE2), Genie2_221 (BE2), Gibbi_231 (BE2), IchabodCrane_217 (BE2), JimJam_230 (BE2), Jollison_220 (BE2), Karimac_223 (BE2), KentuckyRacer_229 (BE2), LukeCage_227 (BE2), MindFlayer_216 (BE2), Mugiwara_231 (BE2), PumpkinSpice_226 (BE2), Quaran19_223 (BE2), Rikishi_224 (BE2), SaltySpitoon_223 (BE2), Spelly_228 (BE2), Spilled_230 (BE2), StarPlatinum_231 (BE2), Starbow_220 (BE2), TomSawyer_227 (BE2), Wipeout_214 (BE2), Wofford_224 (BE2),

Summary by clusters:

There is one cluster represented in this pham: BE2

Info for manual annotations of cluster BE2:
•Start number 6 was manually annotated 30 times for cluster BE2.

Gene Information:

Gene: AcciDwight_231 Start: 107312, Stop: 107452, Start Num: 6
Candidate Starts for AcciDwight_231:
(1, 107147), (2, 107186), (3, 107249), (4, 107264), (5, 107267), (Start: 6 @107312 has 30 MA's), (8, 107366), (11, 107417), (13, 107444),

Gene: Amabiko_227 Start: 107130, Stop: 107270, Start Num: 6
Candidate Starts for Amabiko_227:
(1, 106965), (2, 107004), (3, 107067), (4, 107082), (5, 107085), (Start: 6 @107130 has 30 MA's), (8, 107184), (11, 107235), (13, 107262),

Gene: AngryGiraffe_221 Start: 107015, Stop: 107155, Start Num: 6
Candidate Starts for AngryGiraffe_221:
(Start: 6 @107015 has 30 MA's), (7, 107024), (8, 107069), (11, 107120), (13, 107147),

Gene: Battuta_221 Start: 106445, Stop: 106585, Start Num: 6
Candidate Starts for Battuta_221:
(3, 106382), (4, 106397), (5, 106400), (Start: 6 @106445 has 30 MA's), (8, 106499), (11, 106550), (13, 106577),

Gene: Birchlyn_222 Start: 104378, Stop: 104518, Start Num: 6
Candidate Starts for Birchlyn_222:
(1, 104213), (2, 104252), (3, 104315), (4, 104330), (5, 104333), (Start: 6 @104378 has 30 MA's), (8, 104432), (11, 104483), (13, 104510),

Gene: BoomerJR_221 Start: 107448, Stop: 107588, Start Num: 6
Candidate Starts for BoomerJR_221:
(Start: 6 @107448 has 30 MA's), (7, 107457), (8, 107502), (11, 107553), (13, 107580),

Gene: Bordeaux_221 Start: 107028, Stop: 107168, Start Num: 6
Candidate Starts for Bordeaux_221:
(3, 106965), (4, 106980), (5, 106983), (Start: 6 @107028 has 30 MA's), (8, 107082), (11, 107133), (13, 107160),

Gene: Brizzy_222 Start: 107556, Stop: 107696, Start Num: 6
Candidate Starts for Brizzy_222:
(1, 107391), (2, 107430), (3, 107493), (4, 107508), (5, 107511), (Start: 6 @107556 has 30 MA's), (8, 107610), (11, 107661), (13, 107688),

Gene: CeilingFan_227 Start: 107823, Stop: 107963, Start Num: 6
Candidate Starts for CeilingFan_227:
(1, 107658), (2, 107697), (3, 107760), (4, 107775), (5, 107778), (Start: 6 @107823 has 30 MA's), (8, 107877), (11, 107928), (13, 107955),

Gene: Elmer_232 Start: 110772, Stop: 110912, Start Num: 6
Candidate Starts for Elmer_232:
(4, 110724), (5, 110727), (Start: 6 @110772 has 30 MA's), (8, 110826), (10, 110859), (11, 110877), (13, 110904),

Gene: Enygma_231 Start: 110232, Stop: 110372, Start Num: 6
Candidate Starts for Enygma_231:
(1, 110067), (2, 110106), (3, 110169), (4, 110184), (5, 110187), (Start: 6 @110232 has 30 MA's), (8, 110286), (11, 110337), (13, 110364),

Gene: Genie2_221 Start: 107573, Stop: 107713, Start Num: 6
Candidate Starts for Genie2_221:
(Start: 6 @107573 has 30 MA's), (7, 107582), (8, 107627), (11, 107678), (13, 107705),

Gene: Gibbi_231 Start: 107316, Stop: 107456, Start Num: 6
Candidate Starts for Gibbi_231:
(1, 107151), (2, 107190), (3, 107253), (4, 107268), (5, 107271), (Start: 6 @107316 has 30 MA's), (8, 107370), (11, 107421), (13, 107448),

Gene: IchabodCrane_217 Start: 106831, Stop: 106971, Start Num: 6
Candidate Starts for IchabodCrane_217:
(1, 106666), (2, 106705), (3, 106768), (4, 106783), (5, 106786), (Start: 6 @106831 has 30 MA's), (8, 106885), (11, 106936), (13, 106963),

Gene: JimJam_230 Start: 108752, Stop: 108892, Start Num: 6
Candidate Starts for JimJam_230:
(1, 108587), (2, 108626), (3, 108689), (4, 108704), (5, 108707), (Start: 6 @108752 has 30 MA's), (8, 108806), (11, 108857), (13, 108884),

Gene: Jollison_220 Start: 106962, Stop: 107102, Start Num: 6
Candidate Starts for Jollison_220:
(1, 106797), (2, 106836), (3, 106899), (4, 106914), (5, 106917), (Start: 6 @106962 has 30 MA's), (8, 107016), (11, 107067), (13, 107094),

Gene: Karimac_223 Start: 107147, Stop: 107287, Start Num: 6
Candidate Starts for Karimac_223:

(1, 106982), (2, 107021), (3, 107084), (4, 107099), (5, 107102), (Start: 6 @107147 has 30 MA's), (8, 107201), (11, 107252), (13, 107279),

Gene: KentuckyRacer_229 Start: 108667, Stop: 108807, Start Num: 6
Candidate Starts for KentuckyRacer_229:
(1, 108502), (2, 108541), (3, 108604), (4, 108619), (5, 108622), (Start: 6 @108667 has 30 MA's), (8, 108721), (11, 108772), (13, 108799),

Gene: LukeCage_227 Start: 109429, Stop: 109566, Start Num: 6
Candidate Starts for LukeCage_227:
(Start: 6 @109429 has 30 MA's), (7, 109438), (8, 109483), (9, 109495), (11, 109534), (13, 109558),

Gene: MindFlayer_216 Start: 106347, Stop: 106487, Start Num: 6
Candidate Starts for MindFlayer_216:
(1, 106182), (2, 106221), (3, 106284), (4, 106299), (5, 106302), (Start: 6 @106347 has 30 MA's), (8, 106401), (11, 106452), (13, 106479),

Gene: Mugiwara_231 Start: 109929, Stop: 110066, Start Num: 6
Candidate Starts for Mugiwara_231:
(Start: 6 @109929 has 30 MA's), (8, 109983), (11, 110034), (13, 110058),

Gene: PumpkinSpice_226 Start: 107568, Stop: 107708, Start Num: 6
Candidate Starts for PumpkinSpice_226:
(1, 107403), (2, 107442), (3, 107505), (4, 107520), (5, 107523), (Start: 6 @107568 has 30 MA's), (8, 107622), (11, 107673), (13, 107700),

Gene: Quaran19_223 Start: 107009, Stop: 107149, Start Num: 6
Candidate Starts for Quaran19_223:
(1, 106844), (2, 106883), (3, 106946), (4, 106961), (5, 106964), (Start: 6 @107009 has 30 MA's), (8, 107063), (11, 107114), (13, 107141),

Gene: Rikishi_224 Start: 107290, Stop: 107430, Start Num: 6
Candidate Starts for Rikishi_224:
(1, 107125), (2, 107164), (3, 107227), (4, 107242), (5, 107245), (Start: 6 @107290 has 30 MA's), (8, 107344), (11, 107395), (13, 107422),

Gene: SaltySpitoon_223 Start: 106551, Stop: 106691, Start Num: 6
Candidate Starts for SaltySpitoon_223:
(1, 106386), (2, 106425), (3, 106488), (4, 106503), (5, 106506), (Start: 6 @106551 has 30 MA's), (8, 106605), (11, 106656), (13, 106683),

Gene: Spelly_228 Start: 106480, Stop: 106620, Start Num: 6
Candidate Starts for Spelly_228:
(1, 106315), (2, 106354), (3, 106417), (4, 106432), (5, 106435), (Start: 6 @106480 has 30 MA's), (8, 106534), (11, 106585), (13, 106612),

Gene: Spilled_230 Start: 107684, Stop: 107824, Start Num: 6
Candidate Starts for Spilled_230:
(1, 107519), (2, 107558), (3, 107621), (4, 107636), (5, 107639), (Start: 6 @107684 has 30 MA's), (8, 107738), (11, 107789), (13, 107816),

Gene: StarPlatinum_231 Start: 109660, Stop: 109797, Start Num: 6
Candidate Starts for StarPlatinum_231:

(Start: 6 @109660 has 30 MA's), (7, 109669), (8, 109714), (11, 109765), (13, 109789),

Gene: Starbow_220 Start: 106524, Stop: 106664, Start Num: 6
Candidate Starts for Starbow_220:
(1, 106359), (2, 106398), (3, 106461), (4, 106476), (5, 106479), (Start: 6 @106524 has 30 MA's), (8, 106578), (11, 106629), (13, 106656),

Gene: TomSawyer_227 Start: 108995, Stop: 109135, Start Num: 6
Candidate Starts for TomSawyer_227:
(1, 108830), (2, 108869), (3, 108932), (4, 108947), (5, 108950), (Start: 6 @108995 has 30 MA's), (8, 109049), (11, 109100), (13, 109127),

Gene: Wipeout_214 Start: 107947, Stop: 108087, Start Num: 6
Candidate Starts for Wipeout_214:
(1, 107782), (2, 107821), (3, 107884), (4, 107899), (5, 107902), (Start: 6 @107947 has 30 MA's), (8, 108001), (11, 108052), (13, 108079),

Gene: Wofford_224 Start: 110638, Stop: 110778, Start Num: 6
Candidate Starts for Wofford_224:
(4, 110590), (5, 110593), (Start: 6 @110638 has 30 MA's), (8, 110692), (10, 110725), (11, 110743), (12, 110749), (13, 110770),