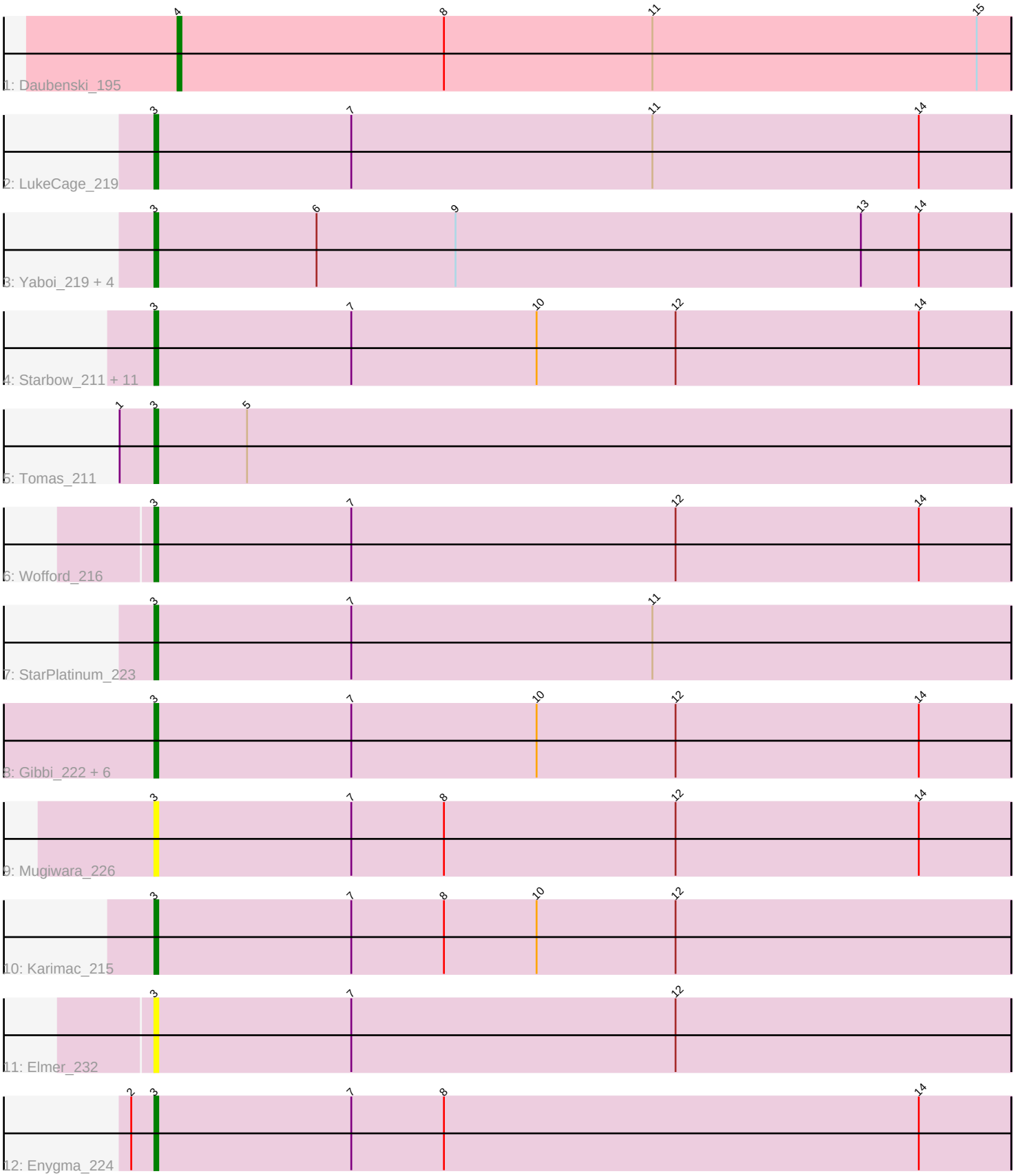
Pham 3098


4
8
11
15
1: Daubenski_195
3
7
11
14
2: LukeCage_219
3
6
9
13
14
3: Yaboi_219 + 4
3
7
10
12
14
4: Starbow_211 + 11
1
3
5
5: Tomas_211
3
7
12
14
6: Wofford_216
3
7
11
7: StarPlatinum_223
3
7
10
12
14
8: Gibbi_222 + 6
3
7
8
12
14
9: Mugiwara_226
3
7
8
10
12
10: Karimac_215
3
7
12
11: Elmer_232
2
3
7
8
14
12: Enygma_224

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 3098 Report

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

Pham number 3098 has 33 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Daubenski_195
• Track 2 : LukeCage_219
• Track 3 : Yaboi_219, Sollertia_215, Genie2_213, BoomerJR_213, Stanimal_214
• Track 4 : Starbow_211, Battuta_212, Quaran19_214, Spelly_219, JimJam_221, KentuckyRacer_225, Jollison_218, SaltySpitoon_214, PumpkinSpice_217, Bordeaux_212, Spilled_221, CeilingFan_226
• Track 5 : Tomas_211
• Track 6 : Wofford_216
• Track 7 : StarPlatinum_223
• Track 8 : Gibbi_222, MindFlayer_207, TomSawyer_218, Birchlyn_213, Wipeout_205, Amabiko_218, IchabodCrane_209
• Track 9 : Mugiwara_226
• Track 10 : Karimac_215
• Track 11 : Elmer_232
• Track 12 : Enygma_224

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

The start number called the most often in the published annotations is 3, it was called in 26 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amabiko_218, Battuta_212, Birchlyn_213, BoomerJR_213, Bordeaux_212, CeilingFan_226, Elmer_232, Enygma_224, Genie2_213, Gibbi_222, IchabodCrane_209, JimJam_221, Jollison_218, Karimac_215, KentuckyRacer_225, LukeCage_219, MindFlayer_207, Mugiwara_226, PumpkinSpice_217, Quaran19_214, SaltySpitoon_214, Sollertia_215, Spelly_219, Spilled_221, Stanimal_214, StarPlatinum_223, Starbow_211, TomSawyer_218, Tomas_211, Wipeout_205, Wofford_216, Yaboi_219,

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

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

• Daubenski_195,

Summary by start number:

Start 3:
• Found in 32 of 33 (97.0%) of genes in pham
• Manual Annotations of this start: 26 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amabiko_218 (BE2), Battuta_212 (BE2), Birchlyn_213 (BE2), BoomerJR_213 (BE2), Bordeaux_212 (BE2), CeilingFan_226 (BE2), Elmer_232 (BE2), Enygma_224 (BE2), Genie2_213 (BE2), Gibbi_222 (BE2), IchabodCrane_209 (BE2), JimJam_221 (BE2), Jollison_218 (BE2), Karimac_215 (BE2), KentuckyRacer_225 (BE2), LukeCage_219 (BE2), MindFlayer_207 (BE2), Mugiwara_226 (BE2), PumpkinSpice_217 (BE2), Quaran19_214 (BE2), SaltySpitoon_214 (BE2), Sollertia_215 (BE2), Spelly_219 (BE2), Spilled_221 (BE2), Stanimal_214 (BE2), StarPlatinum_223 (BE2), Starbow_211 (BE2), TomSawyer_218 (BE2), Tomas_211 (BE2), Wipeout_205 (BE2), Wofford_216 (BE2), Yaboi_219 (BE2),

Start 4:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daubenski_195 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 4 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 3 was manually annotated 26 times for cluster BE2.

Gene Information:

Gene: Amabiko_218 Start: 105205, Stop: 105426, Start Num: 3
Candidate Starts for Amabiko_218:
(Start: 3 @105205 has 26 MA's), (7, 105256), (10, 105304), (12, 105340), (14, 105403),

Gene: Battuta_212 Start: 104521, Stop: 104742, Start Num: 3
Candidate Starts for Battuta_212:
(Start: 3 @104521 has 26 MA's), (7, 104572), (10, 104620), (12, 104656), (14, 104719),

Gene: Birchlyn_213 Start: 102453, Stop: 102674, Start Num: 3
Candidate Starts for Birchlyn_213:
(Start: 3 @102453 has 26 MA's), (7, 102504), (10, 102552), (12, 102588), (14, 102651),

Gene: BoomerJR_213 Start: 105748, Stop: 105969, Start Num: 3
Candidate Starts for BoomerJR_213:

(Start: 3 @105748 has 26 MA's), (6, 105790), (9, 105826), (13, 105931), (14, 105946),

Gene: Bordeaux_212 Start: 105104, Stop: 105325, Start Num: 3
Candidate Starts for Bordeaux_212:
(Start: 3 @105104 has 26 MA's), (7, 105155), (10, 105203), (12, 105239), (14, 105302),

Gene: CeilingFan_226 Start: 105898, Stop: 106119, Start Num: 3
Candidate Starts for CeilingFan_226:
(Start: 3 @105898 has 26 MA's), (7, 105949), (10, 105997), (12, 106033), (14, 106096),

Gene: Daubenski_195 Start: 105306, Stop: 105521, Start Num: 4
Candidate Starts for Daubenski_195:
(Start: 4 @105306 has 1 MA's), (8, 105375), (11, 105429), (15, 105513),

Gene: Elmer_232 Start: 109009, Stop: 109230, Start Num: 3
Candidate Starts for Elmer_232:
(Start: 3 @109009 has 26 MA's), (7, 109060), (12, 109144),

Gene: Enygma_224 Start: 108763, Stop: 108984, Start Num: 3
Candidate Starts for Enygma_224:
(2, 108757), (Start: 3 @108763 has 26 MA's), (7, 108814), (8, 108838), (14, 108961),

Gene: Genie2_213 Start: 105873, Stop: 106094, Start Num: 3
Candidate Starts for Genie2_213:
(Start: 3 @105873 has 26 MA's), (6, 105915), (9, 105951), (13, 106056), (14, 106071),

Gene: Gibbi_222 Start: 105391, Stop: 105612, Start Num: 3
Candidate Starts for Gibbi_222:
(Start: 3 @105391 has 26 MA's), (7, 105442), (10, 105490), (12, 105526), (14, 105589),

Gene: IchabodCrane_209 Start: 104906, Stop: 105127, Start Num: 3
Candidate Starts for IchabodCrane_209:
(Start: 3 @104906 has 26 MA's), (7, 104957), (10, 105005), (12, 105041), (14, 105104),

Gene: JimJam_221 Start: 106827, Stop: 107048, Start Num: 3
Candidate Starts for JimJam_221:
(Start: 3 @106827 has 26 MA's), (7, 106878), (10, 106926), (12, 106962), (14, 107025),

Gene: Jollison_218 Start: 105037, Stop: 105258, Start Num: 3
Candidate Starts for Jollison_218:
(Start: 3 @105037 has 26 MA's), (7, 105088), (10, 105136), (12, 105172), (14, 105235),

Gene: Karimac_215 Start: 105222, Stop: 105443, Start Num: 3
Candidate Starts for Karimac_215:
(Start: 3 @105222 has 26 MA's), (7, 105273), (8, 105297), (10, 105321), (12, 105357),

Gene: KentuckyRacer_225 Start: 106742, Stop: 106963, Start Num: 3
Candidate Starts for KentuckyRacer_225:
(Start: 3 @106742 has 26 MA's), (7, 106793), (10, 106841), (12, 106877), (14, 106940),

Gene: LukeCage_219 Start: 107458, Stop: 107679, Start Num: 3
Candidate Starts for LukeCage_219:
(Start: 3 @107458 has 26 MA's), (7, 107509), (11, 107587), (14, 107656),

Gene: MindFlayer_207 Start: 104422, Stop: 104643, Start Num: 3
Candidate Starts for MindFlayer_207:
(Start: 3 @104422 has 26 MA's), (7, 104473), (10, 104521), (12, 104557), (14, 104620),

Gene: Mugiwara_226 Start: 107913, Stop: 108134, Start Num: 3
Candidate Starts for Mugiwara_226:
(Start: 3 @107913 has 26 MA's), (7, 107964), (8, 107988), (12, 108048), (14, 108111),

Gene: PumpkinSpice_217 Start: 105643, Stop: 105864, Start Num: 3
Candidate Starts for PumpkinSpice_217:
(Start: 3 @105643 has 26 MA's), (7, 105694), (10, 105742), (12, 105778), (14, 105841),

Gene: Quaran19_214 Start: 105084, Stop: 105305, Start Num: 3
Candidate Starts for Quaran19_214:
(Start: 3 @105084 has 26 MA's), (7, 105135), (10, 105183), (12, 105219), (14, 105282),

Gene: SaltySpitoon_214 Start: 104626, Stop: 104847, Start Num: 3
Candidate Starts for SaltySpitoon_214:
(Start: 3 @104626 has 26 MA's), (7, 104677), (10, 104725), (12, 104761), (14, 104824),

Gene: Sollertia_215 Start: 105862, Stop: 106083, Start Num: 3
Candidate Starts for Sollertia_215:
(Start: 3 @105862 has 26 MA's), (6, 105904), (9, 105940), (13, 106045), (14, 106060),

Gene: Spelly_219 Start: 104555, Stop: 104776, Start Num: 3
Candidate Starts for Spelly_219:
(Start: 3 @104555 has 26 MA's), (7, 104606), (10, 104654), (12, 104690), (14, 104753),

Gene: Spilled_221 Start: 105759, Stop: 105980, Start Num: 3
Candidate Starts for Spilled_221:
(Start: 3 @105759 has 26 MA's), (7, 105810), (10, 105858), (12, 105894), (14, 105957),

Gene: Stanimal_214 Start: 106234, Stop: 106455, Start Num: 3
Candidate Starts for Stanimal_214:
(Start: 3 @106234 has 26 MA's), (6, 106276), (9, 106312), (13, 106417), (14, 106432),

Gene: StarPlatinum_223 Start: 107957, Stop: 108178, Start Num: 3
Candidate Starts for StarPlatinum_223:
(Start: 3 @107957 has 26 MA's), (7, 108008), (11, 108086),

Gene: Starbow_211 Start: 104599, Stop: 104820, Start Num: 3
Candidate Starts for Starbow_211:
(Start: 3 @104599 has 26 MA's), (7, 104650), (10, 104698), (12, 104734), (14, 104797),

Gene: TomSawyer_218 Start: 107070, Stop: 107291, Start Num: 3
Candidate Starts for TomSawyer_218:
(Start: 3 @107070 has 26 MA's), (7, 107121), (10, 107169), (12, 107205), (14, 107268),

Gene: Tomas_211 Start: 105860, Stop: 106081, Start Num: 3
Candidate Starts for Tomas_211:
(1, 105851), (Start: 3 @105860 has 26 MA's), (5, 105884),

Gene: Wipeout_205 Start: 106022, Stop: 106243, Start Num: 3
Candidate Starts for Wipeout_205:
(Start: 3 @106022 has 26 MA's), (7, 106073), (10, 106121), (12, 106157), (14, 106220),

Gene: Wofford_216 Start: 108877, Stop: 109098, Start Num: 3
Candidate Starts for Wofford_216:
(Start: 3 @108877 has 26 MA's), (7, 108928), (12, 109012), (14, 109075),

Gene: Yaboi_219 Start: 105797, Stop: 106018, Start Num: 3
Candidate Starts for Yaboi_219:
(Start: 3 @105797 has 26 MA's), (6, 105839), (9, 105875), (13, 105980), (14, 105995),