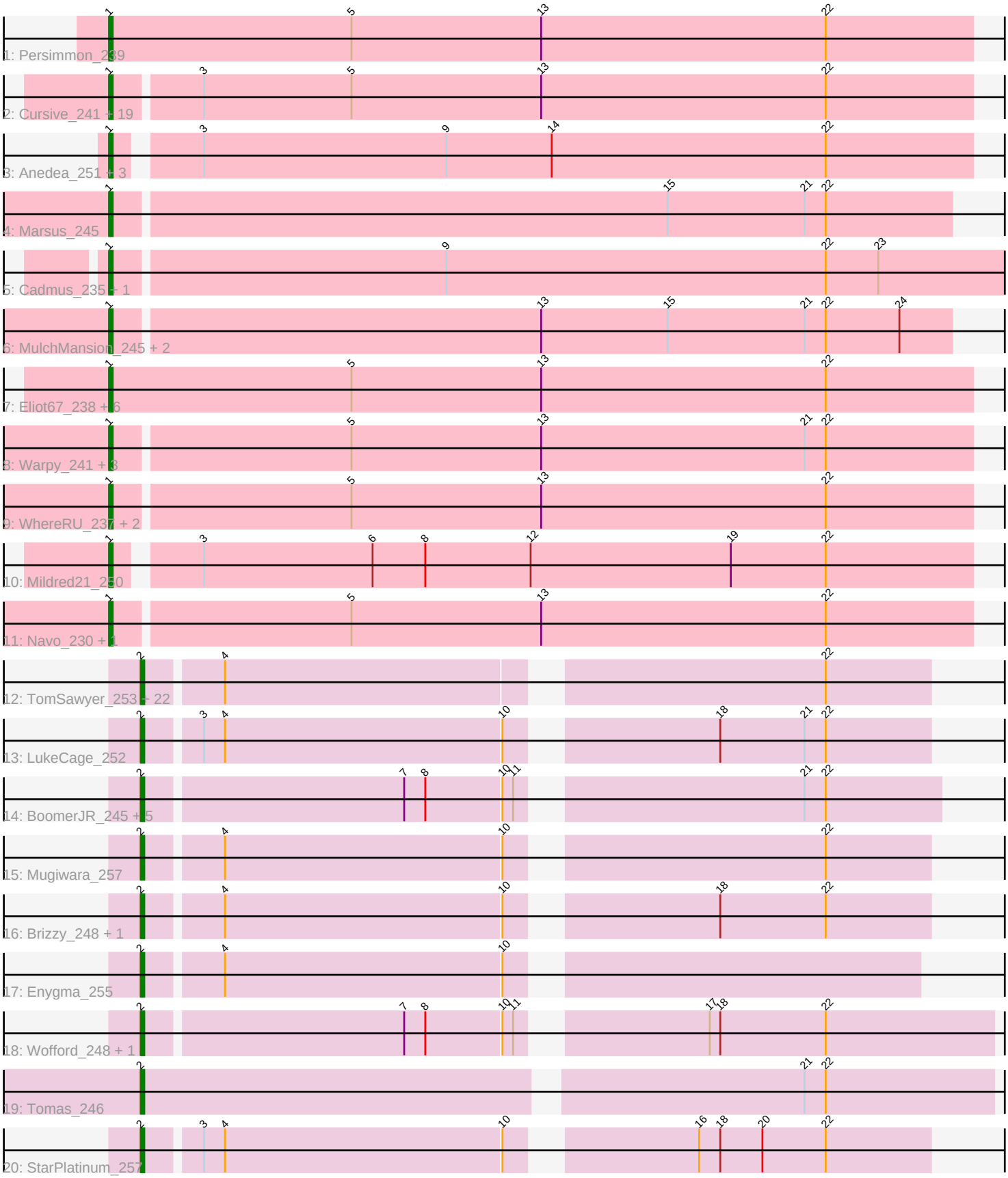
Pham 345631


1: Persimmon_239
2: Cursive_241 + 19
3: Anedea_251 + 3
4: Marsus_245
5: Cadmus_235 + 1
6: MulchMansion_245 + 2
7: Eliot67_238 + 6
8: Warpy_241 + 8
9: WhereRU_237 + 2
10: Mildred21_250
11: Navo_230 + 1
12: TomSawyer_253 + 22
13: LukeCage_252
14: BoomerJR_245 + 5
15: Mugiwara_257
16: Brizzy_248 + 1
17: Enygma_255
18: Wofford_248 + 1
19: Tomas_246
20: StarPlatinum_257

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 345631 Report

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

Pham number 345631 has 86 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Persimmon_239
• Track 2 : Cursive_241, Watermoore_236, Peebs_234, HangryHippo_236, Lululemon_235, Tribute_234, Leo04_239, Pepperwood_238, EGole_244, PacManQ_235, Shuckle_237, Larnav_238, Coogler_235, BlueOtter_236, WashU_232, Teutsch_237, ArianaSWT_241, Sushi23_239, Samisti12_240, Scheme_241
• Track 3 : Anedea_251, Bmoc_244, LilSaint_241, Riptide_240
• Track 4 : Marsus_245
• Track 5 : Cadmus_235, Daubenski_230
• Track 6 : MulchMansion_245, LilMartin_241, Angela_245
• Track 7 : Eliot67_238, Paradiddles_228, PynkPanther_236, Liandry_236, PinkiePie_237, Squillium_239, FreddyDRoo_237
• Track 8 : Warpy_241, Evy_227, Jay2Jay_244, Targaryen_237
• Track 9 : WhereRU_237, Davielle_237, Bartholomune_237
• Track 10 : Mildred21_250
• Track 11 : Navo_230, Braelyn_232
• Track 12 : TomSawyer_253, Tuesday_256, IchabodCrane_243, AcciDwight_257, Starbow_246, Battuta_247, Rikishi_250, Gibbi_257, MindFlayer_242, Spilled_256, SaltySpitoon_249, Amabiko_253, Bordeaux_247, Quaran19_249, CeilingFan_253, JimJam_256, Wipeout_239, Spelly_254, Birchlyn_248, Jollison_246, KentuckyRacer_255, PumpkinSpice_252, Daisy123_251
• Track 13 : LukeCage_252
• Track 14 : BoomerJR_245, Sollertia_246, Genie2_245, Yaboi_250, AngryGiraffe_245, Stanimal_245
• Track 15 : Mugiwara_257
• Track 16 : Brizzy_248, Karimac_249
• Track 17 : Enygma_255
• Track 18 : Wofford_248, Elmer_257
• Track 19 : Tomas_246
• Track 20 : StarPlatinum_257

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

The start number called the most often in the published annotations is 1, it was called in 47 of the 82 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_251, Angela_245, ArianaSWT_241, Bartholomune_237, BlueOtter_236, Bmoc_244, Braelyn_232, Cadmus_235, Coogler_235, Cursive_241, Daubenski_230, Davielle_237, EGole_244, Eliot67_238, Evy_227, FreddyDRoo_237, HangryHippo_236, Jay2Jay_244, Larnav_238, Leo04_239, Liandry_236, LilMartin_241, LilSaint_241, Lululemon_235, Marsus_245, Mildred21_250, MulchMansion_245, Navo_230, PacManQ_235, Paradiddles_228, Peebs_234, Pepperwood_238, Persimmon_239, PinkiePie_237, PynkPanther_236, Riptide_240, Samisti12_240, Scheme_241, Shuckle_237, Squillium_239, Sushi23_239, Targaryen_237, Teutsch_237, Tribute_234, Warpy_241, WashU_232, Watermoore_236, WhereRU_237,

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

Genes that do not have the "Most Annotated" start:
• AcciDwight_257, Amabiko_253, AngryGiraffe_245, Battuta_247, Birchlyn_248, BoomerJR_245, Bordeaux_247, Brizzy_248, CeilingFan_253, Daisy123_251, Elmer_257, Enygma_255, Genie2_245, Gibbi_257, IchabodCrane_243, JimJam_256, Jollison_246, Karimac_249, KentuckyRacer_255, LukeCage_252, MindFlayer_242, Mugiwara_257, PumpkinSpice_252, Quaran19_249, Rikishi_250, SaltySpitoon_249, Sollertia_246, Spelly_254, Spilled_256, Stanimal_245, StarPlatinum_257, Starbow_246, TomSawyer_253, Tomas_246, Tuesday_256, Wipeout_239, Wofford_248, Yaboi_250,

Summary by start number:

Start 1:
• Found in 48 of 86 (55.8%) of genes in pham
• Manual Annotations of this start: 47 of 82
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_251 (BE1), Angela_245 (BE1), ArianaSWT_241 (BE1), Bartholomune_237 (BE1), BlueOtter_236 (BE1), Bmoc_244 (BE1), Braelyn_232 (BE1), Cadmus_235 (BE1), Coogler_235 (BE1), Cursive_241 (BE1), Daubenski_230 (BE1), Davielle_237 (BE1), EGole_244 (BE1), Eliot67_238 (BE1), Evy_227 (BE1), FreddyDRoo_237 (BE1), HangryHippo_236 (BE1), Jay2Jay_244 (BE1), Larnav_238 (BE1), Leo04_239 (BE1), Liandry_236 (BE1), LilMartin_241 (BE1), LilSaint_241 (BE1), Lululemon_235 (BE1), Marsus_245 (BE1), Mildred21_250 (BE1), MulchMansion_245 (BE1), Navo_230 (BE1), PacManQ_235 (BE1), Paradiddles_228 (BE1), Peebs_234 (BE1), Pepperwood_238 (BE1), Persimmon_239 (BE1), PinkiePie_237 (BE1), PynkPanther_236 (BE1), Riptide_240 (BE1), Samisti12_240 (BE1), Scheme_241 (BE1), Shuckle_237 (BE1), Squillium_239 (BE1), Sushi23_239 (BE1), Targaryen_237 (BE1), Teutsch_237 (BE1), Tribute_234 (BE1), Warpy_241 (BE1), WashU_232 (BE1), Watermoore_236 (BE1), WhereRU_237 (BE1),

Start 2:
• Found in 38 of 86 (44.2%) of genes in pham
• Manual Annotations of this start: 35 of 82
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AcciDwight_257 (BE2), Amabiko_253 (BE2), AngryGiraffe_245 (BE2), Battuta_247 (BE2), Birchlyn_248 (BE2), BoomerJR_245 (BE2), Bordeaux_247 (BE2), Brizzy_248 (BE2), CeilingFan_253 (BE2), Daisy123_251 (BE2), Elmer_257 (BE2), Enygma_255 (BE2), Genie2_245 (BE2), Gibbi_257 (BE2), IchabodCrane_243 (BE2), JimJam_256 (BE2), Jollison_246 (BE2), Karimac_249 (BE2), KentuckyRacer_255 (BE2), LukeCage_252 (BE2), MindFlayer_242 (BE2), Mugiwara_257 (BE2), PumpkinSpice_252 (BE2), Quaran19_249 (BE2), Rikishi_250 (BE2), SaltySpitoon_249 (BE2), Sollertia_246 (BE2), Spelly_254 (BE2), Spilled_256 (BE2), Stanimal_245 (BE2), StarPlatinum_257 (BE2), Starbow_246 (BE2), TomSawyer_253 (BE2), Tomas_246 (BE2), Tuesday_256 (BE2), Wipeout_239 (BE2), Wofford_248 (BE2), Yaboi_250 (BE2),

Summary by clusters:

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

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 47 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 35 times for cluster BE2.

Gene Information:

Gene: AcciDwight_257 Start: 114990, Stop: 115199, Start Num: 2
Candidate Starts for AcciDwight_257:
(Start: 2 @114990 has 35 MA's), (4, 115011), (22, 115170),

Gene: Amabiko_253 Start: 114808, Stop: 115017, Start Num: 2
Candidate Starts for Amabiko_253:
(Start: 2 @114808 has 35 MA's), (4, 114829), (22, 114988),

Gene: Anedea_251 Start: 118563, Stop: 118802, Start Num: 1
Candidate Starts for Anedea_251:
(Start: 1 @118563 has 47 MA's), (3, 118584), (9, 118653), (14, 118683), (22, 118761),

Gene: Angela_245 Start: 117915, Stop: 118151, Start Num: 1
Candidate Starts for Angela_245:
(Start: 1 @117915 has 47 MA's), (13, 118035), (15, 118071), (21, 118110), (22, 118116), (24, 118137),

Gene: AngryGiraffe_245 Start: 114112, Stop: 114324, Start Num: 2
Candidate Starts for AngryGiraffe_245:
(Start: 2 @114112 has 35 MA's), (7, 114184), (8, 114190), (10, 114211), (11, 114214), (21, 114286), (22, 114292),

Gene: ArianaSWT_241 Start: 118488, Stop: 118730, Start Num: 1
Candidate Starts for ArianaSWT_241:
(Start: 1 @118488 has 47 MA's), (3, 118512), (5, 118554), (13, 118608), (22, 118689),

Gene: Bartholomune_237 Start: 116567, Stop: 116809, Start Num: 1
Candidate Starts for Bartholomune_237:

(Start: 1 @116567 has 47 MA's), (5, 116633), (13, 116687), (22, 116768),

Gene: Battuta_247 Start: 114123, Stop: 114332, Start Num: 2
Candidate Starts for Battuta_247:
(Start: 2 @114123 has 35 MA's), (4, 114144), (22, 114303),

Gene: Birchlyn_248 Start: 112056, Stop: 112265, Start Num: 2
Candidate Starts for Birchlyn_248:
(Start: 2 @112056 has 35 MA's), (4, 112077), (22, 112236),

Gene: BlueOtter_236 Start: 116741, Stop: 116983, Start Num: 1
Candidate Starts for BlueOtter_236:
(Start: 1 @116741 has 47 MA's), (3, 116765), (5, 116807), (13, 116861), (22, 116942),

Gene: Bmoc_244 Start: 117335, Stop: 117577, Start Num: 1
Candidate Starts for Bmoc_244:
(Start: 1 @117335 has 47 MA's), (3, 117359), (9, 117428), (14, 117458), (22, 117536),

Gene: BoomerJR_245 Start: 114545, Stop: 114757, Start Num: 2
Candidate Starts for BoomerJR_245:
(Start: 2 @114545 has 35 MA's), (7, 114617), (8, 114623), (10, 114644), (11, 114647), (21, 114719), (22, 114725),

Gene: Bordeaux_247 Start: 114706, Stop: 114915, Start Num: 2
Candidate Starts for Bordeaux_247:
(Start: 2 @114706 has 35 MA's), (4, 114727), (22, 114886),

Gene: Braelyn_232 Start: 115901, Stop: 116143, Start Num: 1
Candidate Starts for Braelyn_232:
(Start: 1 @115901 has 47 MA's), (5, 115967), (13, 116021), (22, 116102),

Gene: Brizzy_248 Start: 115234, Stop: 115443, Start Num: 2
Candidate Starts for Brizzy_248:
(Start: 2 @115234 has 35 MA's), (4, 115255), (10, 115333), (18, 115384), (22, 115414),

Gene: Cadmus_235 Start: 117844, Stop: 118098, Start Num: 1
Candidate Starts for Cadmus_235:
(Start: 1 @117844 has 47 MA's), (9, 117937), (22, 118045), (23, 118060),

Gene: CeilingFan_253 Start: 115501, Stop: 115710, Start Num: 2
Candidate Starts for CeilingFan_253:
(Start: 2 @115501 has 35 MA's), (4, 115522), (22, 115681),

Gene: Coogler_235 Start: 117166, Stop: 117408, Start Num: 1
Candidate Starts for Coogler_235:
(Start: 1 @117166 has 47 MA's), (3, 117190), (5, 117232), (13, 117286), (22, 117367),

Gene: Cursive_241 Start: 117493, Stop: 117735, Start Num: 1
Candidate Starts for Cursive_241:
(Start: 1 @117493 has 47 MA's), (3, 117517), (5, 117559), (13, 117613), (22, 117694),

Gene: Daisy123_251 Start: 115363, Stop: 115572, Start Num: 2
Candidate Starts for Daisy123_251:

(Start: 2 @115363 has 35 MA's), (4, 115384), (22, 115543),

Gene: Daubenski_230 Start: 117745, Stop: 117999, Start Num: 1
Candidate Starts for Daubenski_230:
(Start: 1 @117745 has 47 MA's), (9, 117838), (22, 117946), (23, 117961),

Gene: Davielle_237 Start: 116651, Stop: 116893, Start Num: 1
Candidate Starts for Davielle_237:
(Start: 1 @116651 has 47 MA's), (5, 116717), (13, 116771), (22, 116852),

Gene: EGole_244 Start: 119967, Stop: 120209, Start Num: 1
Candidate Starts for EGole_244:
(Start: 1 @119967 has 47 MA's), (3, 119991), (5, 120033), (13, 120087), (22, 120168),

Gene: Eliot67_238 Start: 116248, Stop: 116493, Start Num: 1
Candidate Starts for Eliot67_238:
(Start: 1 @116248 has 47 MA's), (5, 116317), (13, 116371), (22, 116452),

Gene: Elmer_257 Start: 118266, Stop: 118493, Start Num: 2
Candidate Starts for Elmer_257:
(Start: 2 @118266 has 35 MA's), (7, 118338), (8, 118344), (10, 118365), (11, 118368), (17, 118413), (18, 118416), (22, 118446),

Gene: Enygma_255 Start: 117307, Stop: 117513, Start Num: 2
Candidate Starts for Enygma_255:
(Start: 2 @117307 has 35 MA's), (4, 117328), (10, 117406),

Gene: Evy_227 Start: 117420, Stop: 117662, Start Num: 1
Candidate Starts for Evy_227:
(Start: 1 @117420 has 47 MA's), (5, 117486), (13, 117540), (21, 117615), (22, 117621),

Gene: FreddyDRoo_237 Start: 116248, Stop: 116493, Start Num: 1
Candidate Starts for FreddyDRoo_237:
(Start: 1 @116248 has 47 MA's), (5, 116317), (13, 116371), (22, 116452),

Gene: Genie2_245 Start: 114670, Stop: 114882, Start Num: 2
Candidate Starts for Genie2_245:
(Start: 2 @114670 has 35 MA's), (7, 114742), (8, 114748), (10, 114769), (11, 114772), (21, 114844), (22, 114850),

Gene: Gibbi_257 Start: 114994, Stop: 115203, Start Num: 2
Candidate Starts for Gibbi_257:
(Start: 2 @114994 has 35 MA's), (4, 115015), (22, 115174),

Gene: HangryHippo_236 Start: 116741, Stop: 116983, Start Num: 1
Candidate Starts for HangryHippo_236:
(Start: 1 @116741 has 47 MA's), (3, 116765), (5, 116807), (13, 116861), (22, 116942),

Gene: IchabodCrane_243 Start: 114509, Stop: 114718, Start Num: 2
Candidate Starts for IchabodCrane_243:
(Start: 2 @114509 has 35 MA's), (4, 114530), (22, 114689),

Gene: Jay2Jay_244 Start: 117784, Stop: 118026, Start Num: 1

Candidate Starts for Jay2Jay_244:
(Start: 1 @117784 has 47 MA's), (5, 117850), (13, 117904), (21, 117979), (22, 117985),

Gene: JimJam_256 Start: 116430, Stop: 116639, Start Num: 2
Candidate Starts for JimJam_256:
(Start: 2 @116430 has 35 MA's), (4, 116451), (22, 116610),

Gene: Jollison_246 Start: 114640, Stop: 114849, Start Num: 2
Candidate Starts for Jollison_246:
(Start: 2 @114640 has 35 MA's), (4, 114661), (22, 114820),

Gene: Karimac_249 Start: 114825, Stop: 115034, Start Num: 2
Candidate Starts for Karimac_249:
(Start: 2 @114825 has 35 MA's), (4, 114846), (10, 114924), (18, 114975), (22, 115005),

Gene: KentuckyRacer_255 Start: 116345, Stop: 116554, Start Num: 2
Candidate Starts for KentuckyRacer_255:
(Start: 2 @116345 has 35 MA's), (4, 116366), (22, 116525),

Gene: Larnav_238 Start: 117659, Stop: 117901, Start Num: 1
Candidate Starts for Larnav_238:
(Start: 1 @117659 has 47 MA's), (3, 117683), (5, 117725), (13, 117779), (22, 117860),

Gene: Leo04_239 Start: 117772, Stop: 118014, Start Num: 1
Candidate Starts for Leo04_239:
(Start: 1 @117772 has 47 MA's), (3, 117796), (5, 117838), (13, 117892), (22, 117973),

Gene: Liandry_236 Start: 116955, Stop: 117200, Start Num: 1
Candidate Starts for Liandry_236:
(Start: 1 @116955 has 47 MA's), (5, 117024), (13, 117078), (22, 117159),

Gene: LilMartin_241 Start: 116855, Stop: 117091, Start Num: 1
Candidate Starts for LilMartin_241:
(Start: 1 @116855 has 47 MA's), (13, 116975), (15, 117011), (21, 117050), (22, 117056), (24, 117077),

Gene: LilSaint_241 Start: 117365, Stop: 117604, Start Num: 1
Candidate Starts for LilSaint_241:
(Start: 1 @117365 has 47 MA's), (3, 117386), (9, 117455), (14, 117485), (22, 117563),

Gene: LukeCage_252 Start: 116670, Stop: 116879, Start Num: 2
Candidate Starts for LukeCage_252:
(Start: 2 @116670 has 35 MA's), (3, 116685), (4, 116691), (10, 116769), (18, 116820), (21, 116844), (22, 116850),

Gene: Lululemon_235 Start: 116546, Stop: 116788, Start Num: 1
Candidate Starts for Lululemon_235:
(Start: 1 @116546 has 47 MA's), (3, 116570), (5, 116612), (13, 116666), (22, 116747),

Gene: Marsus_245 Start: 119206, Stop: 119442, Start Num: 1
Candidate Starts for Marsus_245:
(Start: 1 @119206 has 47 MA's), (15, 119362), (21, 119401), (22, 119407),

Gene: Mildred21_250 Start: 116453, Stop: 116692, Start Num: 1

Candidate Starts for Mildred21_250:
(Start: 1 @116453 has 47 MA's), (3, 116474), (6, 116522), (8, 116537), (12, 116567), (19, 116624), (22, 116651),

Gene: MindFlayer_242 Start: 114025, Stop: 114234, Start Num: 2
Candidate Starts for MindFlayer_242:
(Start: 2 @114025 has 35 MA's), (4, 114046), (22, 114205),

Gene: Mugiwara_257 Start: 117376, Stop: 117585, Start Num: 2
Candidate Starts for Mugiwara_257:
(Start: 2 @117376 has 35 MA's), (4, 117397), (10, 117475), (22, 117556),

Gene: MulchMansion_245 Start: 118489, Stop: 118725, Start Num: 1
Candidate Starts for MulchMansion_245:
(Start: 1 @118489 has 47 MA's), (13, 118609), (15, 118645), (21, 118684), (22, 118690), (24, 118711),

Gene: Navo_230 Start: 115105, Stop: 115347, Start Num: 1
Candidate Starts for Navo_230:
(Start: 1 @115105 has 47 MA's), (5, 115171), (13, 115225), (22, 115306),

Gene: PacManQ_235 Start: 116546, Stop: 116788, Start Num: 1
Candidate Starts for PacManQ_235:
(Start: 1 @116546 has 47 MA's), (3, 116570), (5, 116612), (13, 116666), (22, 116747),

Gene: Paradiddles_228 Start: 118175, Stop: 118417, Start Num: 1
Candidate Starts for Paradiddles_228:
(Start: 1 @118175 has 47 MA's), (5, 118241), (13, 118295), (22, 118376),

Gene: Peebs_234 Start: 117630, Stop: 117872, Start Num: 1
Candidate Starts for Peebs_234:
(Start: 1 @117630 has 47 MA's), (3, 117654), (5, 117696), (13, 117750), (22, 117831),

Gene: Pepperwood_238 Start: 117438, Stop: 117680, Start Num: 1
Candidate Starts for Pepperwood_238:
(Start: 1 @117438 has 47 MA's), (3, 117462), (5, 117504), (13, 117558), (22, 117639),

Gene: Persimmon_239 Start: 116299, Stop: 116544, Start Num: 1
Candidate Starts for Persimmon_239:
(Start: 1 @116299 has 47 MA's), (5, 116368), (13, 116422), (22, 116503),

Gene: PinkiePie_237 Start: 116955, Stop: 117200, Start Num: 1
Candidate Starts for PinkiePie_237:
(Start: 1 @116955 has 47 MA's), (5, 117024), (13, 117078), (22, 117159),

Gene: PumpkinSpice_252 Start: 115246, Stop: 115455, Start Num: 2
Candidate Starts for PumpkinSpice_252:
(Start: 2 @115246 has 35 MA's), (4, 115267), (22, 115426),

Gene: PynkPanther_236 Start: 117153, Stop: 117395, Start Num: 1
Candidate Starts for PynkPanther_236:
(Start: 1 @117153 has 47 MA's), (5, 117219), (13, 117273), (22, 117354),

Gene: Quaran19_249 Start: 114687, Stop: 114896, Start Num: 2

Candidate Starts for Quaran19_249:
(Start: 2 @114687 has 35 MA's), (4, 114708), (22, 114867),

Gene: Rikishi_250 Start: 114968, Stop: 115177, Start Num: 2
Candidate Starts for Rikishi_250:
(Start: 2 @114968 has 35 MA's), (4, 114989), (22, 115148),

Gene: Riptide_240 Start: 116310, Stop: 116549, Start Num: 1
Candidate Starts for Riptide_240:
(Start: 1 @116310 has 47 MA's), (3, 116331), (9, 116400), (14, 116430), (22, 116508),

Gene: SaltySpitoon_249 Start: 114229, Stop: 114438, Start Num: 2
Candidate Starts for SaltySpitoon_249:
(Start: 2 @114229 has 35 MA's), (4, 114250), (22, 114409),

Gene: Samisti12_240 Start: 118695, Stop: 118937, Start Num: 1
Candidate Starts for Samisti12_240:
(Start: 1 @118695 has 47 MA's), (3, 118719), (5, 118761), (13, 118815), (22, 118896),

Gene: Scheme_241 Start: 118677, Stop: 118919, Start Num: 1
Candidate Starts for Scheme_241:
(Start: 1 @118677 has 47 MA's), (3, 118701), (5, 118743), (13, 118797), (22, 118878),

Gene: Shuckle_237 Start: 118132, Stop: 118374, Start Num: 1
Candidate Starts for Shuckle_237:
(Start: 1 @118132 has 47 MA's), (3, 118156), (5, 118198), (13, 118252), (22, 118333),

Gene: Sollertia_246 Start: 114659, Stop: 114871, Start Num: 2
Candidate Starts for Sollertia_246:
(Start: 2 @114659 has 35 MA's), (7, 114731), (8, 114737), (10, 114758), (11, 114761), (21, 114833), (22, 114839),

Gene: Spelly_254 Start: 114158, Stop: 114367, Start Num: 2
Candidate Starts for Spelly_254:
(Start: 2 @114158 has 35 MA's), (4, 114179), (22, 114338),

Gene: Spilled_256 Start: 115362, Stop: 115571, Start Num: 2
Candidate Starts for Spilled_256:
(Start: 2 @115362 has 35 MA's), (4, 115383), (22, 115542),

Gene: Squillium_239 Start: 116957, Stop: 117202, Start Num: 1
Candidate Starts for Squillium_239:
(Start: 1 @116957 has 47 MA's), (5, 117026), (13, 117080), (22, 117161),

Gene: Stanimal_245 Start: 115031, Stop: 115243, Start Num: 2
Candidate Starts for Stanimal_245:
(Start: 2 @115031 has 35 MA's), (7, 115103), (8, 115109), (10, 115130), (11, 115133), (21, 115205), (22, 115211),

Gene: StarPlatinum_257 Start: 117446, Stop: 117655, Start Num: 2
Candidate Starts for StarPlatinum_257:
(Start: 2 @117446 has 35 MA's), (3, 117461), (4, 117467), (10, 117545), (16, 117590), (18, 117596), (20, 117608), (22, 117626),

Gene: Starbow_246 Start: 114202, Stop: 114411, Start Num: 2
Candidate Starts for Starbow_246:
(Start: 2 @114202 has 35 MA's), (4, 114223), (22, 114382),

Gene: Sushi23_239 Start: 118496, Stop: 118738, Start Num: 1
Candidate Starts for Sushi23_239:
(Start: 1 @118496 has 47 MA's), (3, 118520), (5, 118562), (13, 118616), (22, 118697),

Gene: Targaryen_237 Start: 118528, Stop: 118770, Start Num: 1
Candidate Starts for Targaryen_237:
(Start: 1 @118528 has 47 MA's), (5, 118594), (13, 118648), (21, 118723), (22, 118729),

Gene: Teutsch_237 Start: 117861, Stop: 118103, Start Num: 1
Candidate Starts for Teutsch_237:
(Start: 1 @117861 has 47 MA's), (3, 117885), (5, 117927), (13, 117981), (22, 118062),

Gene: TomSawyer_253 Start: 116673, Stop: 116882, Start Num: 2
Candidate Starts for TomSawyer_253:
(Start: 2 @116673 has 35 MA's), (4, 116694), (22, 116853),

Gene: Tomas_246 Start: 117740, Stop: 117973, Start Num: 2
Candidate Starts for Tomas_246:
(Start: 2 @117740 has 35 MA's), (21, 117920), (22, 117926),

Gene: Tribute_234 Start: 118026, Stop: 118268, Start Num: 1
Candidate Starts for Tribute_234:
(Start: 1 @118026 has 47 MA's), (3, 118050), (5, 118092), (13, 118146), (22, 118227),

Gene: Tuesday_256 Start: 115213, Stop: 115422, Start Num: 2
Candidate Starts for Tuesday_256:
(Start: 2 @115213 has 35 MA's), (4, 115234), (22, 115393),

Gene: Warpy_241 Start: 117229, Stop: 117471, Start Num: 1
Candidate Starts for Warpy_241:
(Start: 1 @117229 has 47 MA's), (5, 117295), (13, 117349), (21, 117424), (22, 117430),

Gene: WashU_232 Start: 117648, Stop: 117890, Start Num: 1
Candidate Starts for WashU_232:
(Start: 1 @117648 has 47 MA's), (3, 117672), (5, 117714), (13, 117768), (22, 117849),

Gene: Watermoore_236 Start: 118250, Stop: 118492, Start Num: 1
Candidate Starts for Watermoore_236:
(Start: 1 @118250 has 47 MA's), (3, 118274), (5, 118316), (13, 118370), (22, 118451),

Gene: WhereRU_237 Start: 116636, Stop: 116878, Start Num: 1
Candidate Starts for WhereRU_237:
(Start: 1 @116636 has 47 MA's), (5, 116702), (13, 116756), (22, 116837),

Gene: Wipeout_239 Start: 115625, Stop: 115834, Start Num: 2
Candidate Starts for Wipeout_239:
(Start: 2 @115625 has 35 MA's), (4, 115646), (22, 115805),

Gene: Wofford_248 Start: 117708, Stop: 117935, Start Num: 2
Candidate Starts for Wofford_248:
(Start: 2 @117708 has 35 MA's), (7, 117780), (8, 117786), (10, 117807), (11, 117810), (17, 117855), (18, 117858), (22, 117888),

Gene: Yaboi_250 Start: 114594, Stop: 114806, Start Num: 2
Candidate Starts for Yaboi_250:
(Start: 2 @114594 has 35 MA's), (7, 114666), (8, 114672), (10, 114693), (11, 114696), (21, 114768), (22, 114774),