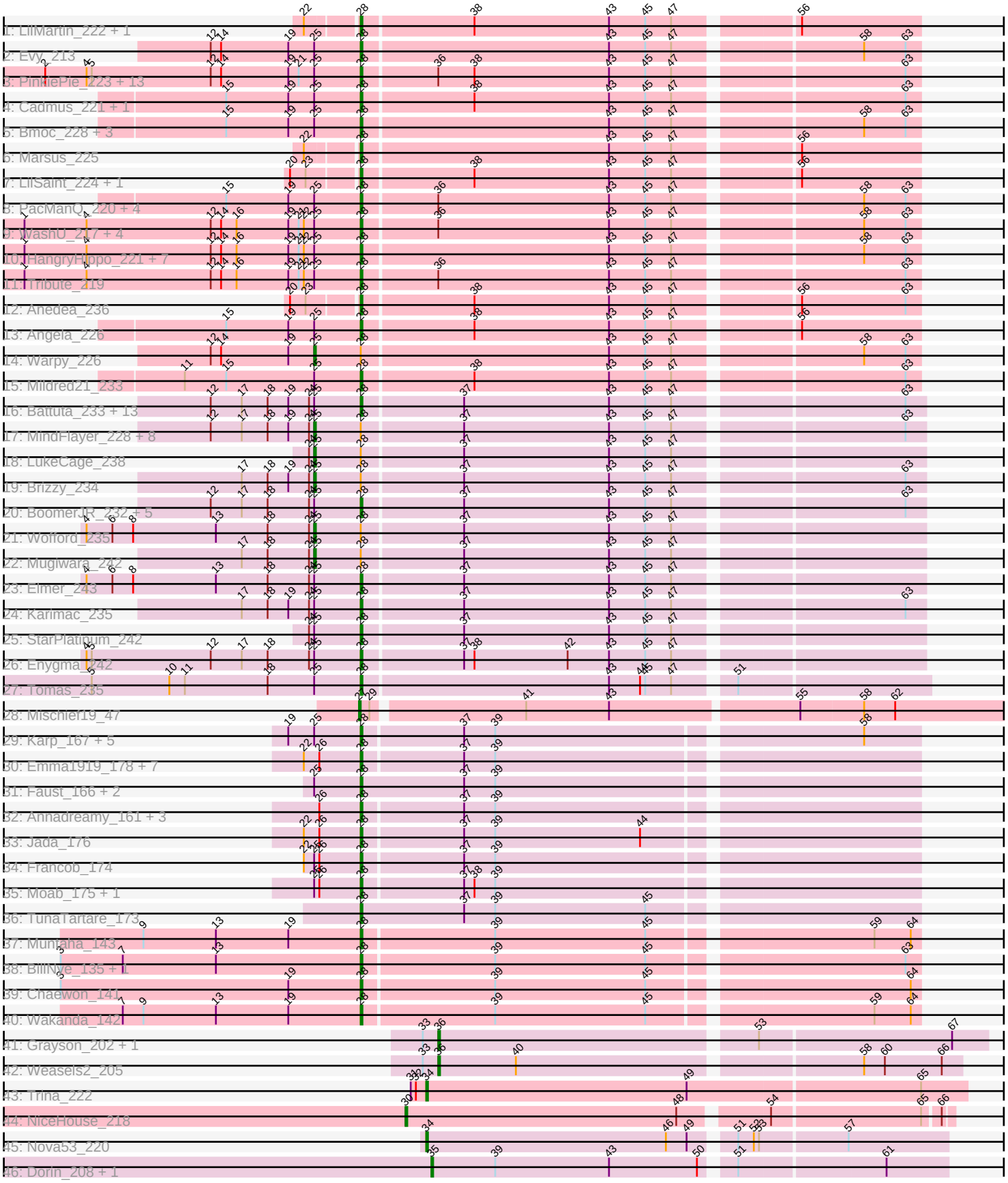
Pham 347387


1: LilMartin_222 + 1
2: Evy_213
3: PinkiePie_223 + 13
4: Cadmus_221 + 1
5: Bmoc_228 + 3
6: Marsus_225
7: LilSaint_224 + 1
8: PacManQ_220 + 4
9: WashU_217 + 4
10: HangryHippo_221 + 7
11: Tribute_219
12: Anedea_236
13: Angela_226
14: Warpy_226
15: Mildred21_233
16: Battuta_233 + 13
17: MindFlayer_228 + 8
18: LukeCage_238
19: Brizzy_234
20: BoomerJR_232 + 5
21: Wofford_235
22: Mugiwara_242
23: Elmer_243
24: Karimac_235
25: StarPlatinum_242
26: Enygma_242
27: Tomas_235
28: Mischief19_47
29: Karp_167 + 5
30: Emma1919_178 + 7
31: Faust_166 + 2
32: Annadreamy_161 + 3
33: Jada_176
34: Francob_174
35: Moab_175 + 1
36: TunaTartare_173
37: Muniaina_143
38: BillNye_135 + 1
39: Chaewon_141
40: Wakanda_142
41: Grayson_202 + 1
42: Weasels2_205
43: Trina_222
44: NiceHouse_218
45: Nova53_220
46: Dorin_208 + 1

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 347387 Report

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

Pham number 347387 has 127 members, 6 are drafts.

Phages represented in each track:
• Track 1 : LilMartin_222, MulchMansion_226
• Track 2 : Evy_213
• Track 3 : PinkiePie_223, FreddyDRoo_224, Persimmon_226, Braelyn_219, NootNoot_220, Liandry_223, Navo_217, Eliot67_225, WhereRU_222, Paradiddles_215, Davielle_222, Squillium_226, PynkPanther_223, Bartholomune_223
• Track 4 : Cadmus_221, Daubenski_217
• Track 5 : Bmoc_228, Shuckle_222, Targaryen_223, Cursive_226
• Track 6 : Marsus_225
• Track 7 : LilSaint_224, Riptide_224
• Track 8 : PacManQ_220, Lululemon_220, Peebs_220, Sushi23_224, Larnav_223
• Track 9 : WashU_217, Pepperwood_223, Watermoore_222, Scheme_226, Teutsch_222
• Track 10 : HangryHippo_221, BlueOtter_221, Coogler_220, Leo04_223, EGole_227, Samisti12_227, Cross_222, ArianaSWT_226
• Track 11 : Tribute_219
• Track 12 : Anedea_236
• Track 13 : Angela_226
• Track 14 : Warpy_226
• Track 15 : Mildred21_233
• Track 16 : Battuta_233, Tuesday_242, PumpkinSpice_238, Jollison_232, Rikishi_236, Wipeout_225, Spilled_242, Daisy123_237, JimJam_242, Bordeaux_233, Spelly_240, CeilingFan_239, TomSawyer_239, KentuckyRacer_241
• Track 17 : MindFlayer_228, Amabiko_239, Starbow_232, IchabodCrane_229, SaltySpitoon_235, Gibbi_243, AcciDwight_243, Quaran19_235, Birchlyn_234
• Track 18 : LukeCage_238
• Track 19 : Brizzy_234
• Track 20 : BoomerJR_232, Sollertia_233, Yaboi_237, Genie2_232, Stanimal_232, AngryGiraffe_232
• Track 21 : Wofford_235
• Track 22 : Mugiwara_242
• Track 23 : Elmer_243
• Track 24 : Karimac_235
• Track 25 : StarPlatinum_242
• Track 26 : Enygma_242
• Track 27 : Tomas_235
• Track 28 : Mischief19_47

• Track 29 : Karp_167, Comrade_170, Westy_175, Stigma_171, Belfort_173, SparkleGoddess_173
• Track 30 : Emma1919_178, DeluluLabubu_181, Gilson_177, Forrest_179, Maupel_178, Kenrey_180, MeganTheeKilla_177, Phredrick_178
• Track 31 : Faust_166, Sham_166, SeresaTree_168
• Track 32 : Annadreamy_161, Limpid_168, Beuffert_167, Blueeyedbeauty_169
• Track 33 : Jada_176
• Track 34 : Francob_174
• Track 35 : Moab_175, Patelgo_176
• Track 36 : TunaTartare_173
• Track 37 : Muntaha_143
• Track 38 : BillNye_135, Circinus_136
• Track 39 : Chaewon_141
• Track 40 : Wakanda_142
• Track 41 : Grayson_202, Peregrin_200
• Track 42 : Weasels2_205
• Track 43 : Trina_222
• Track 44 : NiceHouse_218
• Track 45 : Nova53_220
• Track 46 : Dorin_208, Francesca_209

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

The start number called the most often in the published annotations is 28, it was called in 100 of the 121 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_236, Angela_226, AngryGiraffe_232, Annadreamy_161, ArianaSWT_226, Bartholomune_223, Battuta_233, Belfort_173, Beuffert_167, BillNye_135, BlueOtter_221, Blueeyedbeauty_169, Bmoc_228, BoomerJR_232, Bordeaux_233, Braelyn_219, Cadmus_221, CeilingFan_239, Chaewon_141, Circinus_136, Comrade_170, Coogler_220, Cross_222, Cursive_226, Daisy123_237, Daubenski_217, Davielle_222, DeluluLabubu_181, EGole_227, Eliot67_225, Elmer_243, Emma1919_178, Enygma_242, Evy_213, Faust_166, Forrest_179, Francob_174, FreddyDRoo_224, Genie2_232, Gilson_177, HangryHippo_221, Jada_176, JimJam_242, Jollison_232, Karimac_235, Karp_167, Kenrey_180, KentuckyRacer_241, Larnav_223, Leo04_223, Liandry_223, LilMartin_222, LilSaint_224, Limpid_168, Lululemon_220, Marsus_225, Maupel_178, MeganTheeKilla_177, Mildred21_233, Moab_175, MulchMansion_226, Muntaha_143, Navo_217, NootNoot_220, PacManQ_220, Paradiddles_215, Patelgo_176, Peebs_220, Pepperwood_223, Persimmon_226, Phredrick_178, PinkiePie_223, PumpkinSpice_238, PynkPanther_223, Rikishi_236, Riptide_224, Samisti12_227, Scheme_226, SeresaTree_168, Sham_166, Shuckle_222, Sollertia_233, SparkleGoddess_173, Spelly_240, Spilled_242, Squillium_226, Stanimal_232, StarPlatinum_242, Stigma_171, Sushi23_224, Targaryen_223, Teutsch_222, TomSawyer_239, Tomas_235, Tribute_219, Tuesday_242, TunaTartare_173, Wakanda_142, WashU_217, Watermoore_222, Westy_175, WhereRU_222, Wipeout_225, Yaboi_237,

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

• AcciDwight_243, Amabiko_239, Birchlyn_234, Brizzy_234, Gibbi_243, IchabodCrane_229, LukeCage_238, MindFlayer_228, Mugiwara_242, Quaran19_235, SaltySpitoon_235, Starbow_232, Warpy_226, Wofford_235,

Genes that do not have the "Most Annotated" start:
• Dorin_208, Francesca_209, Grayson_202, Mischief19_47, NiceHouse_218, Nova53_220, Peregrin_200, Trina_222, Weasels2_205,

Summary by start number:

Start 25:
• Found in 93 of 127 (73.2%) of genes in pham
• Manual Annotations of this start: 12 of 121
• Called 15.1% of time when present
• Phage (with cluster) where this start called: AcciDwight_243 (BE2), Amabiko_239 (BE2), Birchlyn_234 (BE2), Brizzy_234 (BE2), Gibbi_243 (BE2), IchabodCrane_229 (BE2), LukeCage_238 (BE2), MindFlayer_228 (BE2), Mugiwara_242 (BE2), Quaran19_235 (BE2), SaltySpitoon_235 (BE2), Starbow_232 (BE2), Warpy_226 (BE1), Wofford_235 (BE2),

Start 27:
• Found in 1 of 127 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 121
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mischief19_47 (BG),

Start 28:
• Found in 118 of 127 (92.9%) of genes in pham
• Manual Annotations of this start: 100 of 121
• Called 88.1% of time when present
• Phage (with cluster) where this start called: Anedea_236 (BE1), Angela_226 (BE1), AngryGiraffe_232 (BE2), Annadreamy_161 (BK1), ArianaSWT_226 (BE1), Bartholomune_223 (BE1), Battuta_233 (BE2), Belfort_173 (BK1), Beuffert_167 (BK1), BillNye_135 (BK2), BlueOtter_221 (BE1), Blueeyedbeauty_169 (BK1), Bmoc_228 (BE1), BoomerJR_232 (BE2), Bordeaux_233 (BE2), Braelyn_219 (BE1), Cadmus_221 (BE1), CeilingFan_239 (BE2), Chaewon_141 (BK2), Circinus_136 (BK2), Comrade_170 (BK1), Coogler_220 (BE1), Cross_222 (BE1), Cursive_226 (BE1), Daisy123_237 (BE2), Daubenski_217 (BE1), Davielle_222 (BE1), DeluluLababu_181 (BK1), EGole_227 (BE1), Eliot67_225 (BE1), Elmer_243 (BE2), Emma1919_178 (BK1), Enygma_242 (BE2), Evy_213 (BE1), Faust_166 (BK1), Forrest_179 (BK1), Francob_174 (BK1), FreddyDRoo_224 (BE1), Genie2_232 (BE2), Gilson_177 (BK1), HangryHippo_221 (BE1), Jada_176 (BK1), JimJam_242 (BE2), Jollison_232 (BE2), Karimac_235 (BE2), Karp_167 (BK1), Kenrey_180 (BK1), KentuckyRacer_241 (BE2), Larnav_223 (BE1), Leo04_223 (BE1), Liandry_223 (BE1), LilMartin_222 (BE1), LilSaint_224 (BE1), Limpid_168 (BK1), Lululemon_220 (BE1), Marsus_225 (BE1), Maupel_178 (BK1), MeganTheeKilla_177 (BK1), Mildred21_233 (BE1), Moab_175 (BK1), MulchMansion_226 (BE1), Muntaha_143 (BK2), Navo_217 (BE1), NootNoot_220 (BE1), PacManQ_220 (BE1), Paradiddles_215 (BE1), Patelgo_176 (BK1), Peebs_220 (BE1), Pepperwood_223 (BE1), Persimmon_226 (BE1), Phredrick_178 (BK1), PinkiePie_223 (BE1), PumpkinSpice_238 (BE2), PynkPanther_223 (BE1), Rikishi_236 (BE2), Riptide_224 (BE1), Samisti12_227 (BE1), Scheme_226 (BE1), SeresaTree_168 (BK1), Sham_166 (BK1), Shuckle_222 (BE1), Sollertia_233 (BE2), SparkleGoddess_173 (BK1), Spelly_240 (BE2),

Spilled_242 (BE2), Squillium_226 (BE1), Stanimal_232 (BE2), StarPlatinum_242 (BE2), Stigma_171 (BK1), Sushi23_224 (BE1), Targaryen_223 (BE1), Teutsch_222 (BE1), TomSawyer_239 (BE2), Tomas_235 (BE2), Tribute_219 (BE1), Tuesday_242 (BE2), TunaTartare_173 (BK1), Wakanda_142 (BK2), WashU_217 (BE1), Watermoore_222 (BE1), Westy_175 (BK1), WhereRU_222 (BE1), Wipeout_225 (BE2), Yaboi_237 (BE2),

Start 30:
• Found in 1 of 127 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 121
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_218 (CE),

Start 34:
• Found in 2 of 127 (1.6%) of genes in pham
• Manual Annotations of this start: 2 of 121
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_220 (CG), Trina_222 (CE),

Start 35:
• Found in 2 of 127 (1.6%) of genes in pham
• Manual Annotations of this start: 2 of 121
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_208 (CG), Francesca_209 (CG),

Start 36:
• Found in 28 of 127 (22.0%) of genes in pham
• Manual Annotations of this start: 3 of 121
• Called 10.7% of time when present
• Phage (with cluster) where this start called: Grayson_202 (CB), Peregrin_200 (CB), Weasels2_205 (CB),

Summary by clusters:

There are 8 clusters represented in this pham: BG, CB, CG, CE, BK1, BK2, BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 25 was manually annotated 1 time for cluster BE1.
•Start number 28 was manually annotated 47 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 25 was manually annotated 11 times for cluster BE2.
•Start number 28 was manually annotated 24 times for cluster BE2.

Info for manual annotations of cluster BG:
•Start number 27 was manually annotated 1 time for cluster BG.

Info for manual annotations of cluster BK1:
•Start number 28 was manually annotated 24 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 28 was manually annotated 5 times for cluster BK2.

Info for manual annotations of cluster CB:
•Start number 36 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:
•Start number 30 was manually annotated 1 time for cluster CE.
•Start number 34 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:
•Start number 34 was manually annotated 1 time for cluster CG.
•Start number 35 was manually annotated 2 times for cluster CG.

Gene Information:

Gene: AcciDwight_243 Start: 111238, Stop: 111576, Start Num: 25
Candidate Starts for AcciDwight_243:
(12, 111178), (17, 111196), (18, 111211), (19, 111223), (24, 111235), (Start: 25 @111238 has 12 MA's), (Start: 28 @111265 has 100 MA's), (37, 111322), (43, 111406), (45, 111427), (47, 111442), (63, 111565),

Gene: Amabiko_239 Start: 111056, Stop: 111394, Start Num: 25
Candidate Starts for Amabiko_239:
(12, 110996), (17, 111014), (18, 111029), (19, 111041), (24, 111053), (Start: 25 @111056 has 12 MA's), (Start: 28 @111083 has 100 MA's), (37, 111140), (43, 111224), (45, 111245), (47, 111260), (63, 111383),

Gene: Anedea_236 Start: 114563, Stop: 114871, Start Num: 28
Candidate Starts for Anedea_236:
(20, 114527), (23, 114536), (Start: 28 @114563 has 100 MA's), (38, 114626), (43, 114704), (45, 114725), (47, 114740), (56, 114803), (63, 114863),

Gene: Angela_226 Start: 112790, Stop: 113098, Start Num: 28
Candidate Starts for Angela_226:
(15, 112712), (19, 112748), (Start: 25 @112763 has 12 MA's), (Start: 28 @112790 has 100 MA's), (38, 112853), (43, 112931), (45, 112952), (47, 112967), (56, 113030),

Gene: AngryGiraffe_232 Start: 110566, Stop: 110877, Start Num: 28
Candidate Starts for AngryGiraffe_232:
(12, 110479), (17, 110497), (18, 110512), (24, 110536), (Start: 25 @110539 has 12 MA's), (Start: 28 @110566 has 100 MA's), (37, 110623), (43, 110707), (45, 110728), (47, 110743), (63, 110866),

Gene: Annadreamy_161 Start: 88143, Stop: 88451, Start Num: 28
Candidate Starts for Annadreamy_161:
(26, 88119), (Start: 28 @88143 has 100 MA's), (37, 88200), (39, 88218),

Gene: ArianaSWT_226 Start: 114426, Stop: 114734, Start Num: 28
Candidate Starts for ArianaSWT_226:
(1, 114231), (4, 114267), (12, 114339), (14, 114345), (16, 114354), (19, 114384), (21, 114390), (22, 114393), (Start: 25 @114399 has 12 MA's), (Start: 28 @114426 has 100 MA's), (43, 114567), (45, 114588), (47, 114603), (58, 114702), (63, 114726),

Gene: Bartholomune_223 Start: 112543, Stop: 112851, Start Num: 28

Candidate Starts for Bartholomune_223:
(2, 112360), (4, 112384), (5, 112387), (12, 112456), (14, 112462), (19, 112501), (21, 112507), (Start: 25 @112516 has 12 MA's), (Start: 28 @112543 has 100 MA's), (Start: 36 @112585 has 3 MA's), (38, 112606), (43, 112684), (45, 112705), (47, 112720), (63, 112843),

Gene: Battuta_233 Start: 110398, Stop: 110709, Start Num: 28
Candidate Starts for Battuta_233:
(12, 110311), (17, 110329), (18, 110344), (19, 110356), (24, 110368), (Start: 25 @110371 has 12 MA's), (Start: 28 @110398 has 100 MA's), (37, 110455), (43, 110539), (45, 110560), (47, 110575), (63, 110698),

Gene: Belfort_173 Start: 93967, Stop: 94275, Start Num: 28
Candidate Starts for Belfort_173:
(19, 93925), (Start: 25 @93940 has 12 MA's), (Start: 28 @93967 has 100 MA's), (37, 94024), (39, 94042), (58, 94243),

Gene: Beuffert_167 Start: 92326, Stop: 92634, Start Num: 28
Candidate Starts for Beuffert_167:
(26, 92302), (Start: 28 @92326 has 100 MA's), (37, 92383), (39, 92401),

Gene: BillNye_135 Start: 83552, Stop: 83860, Start Num: 28
Candidate Starts for BillNye_135:
(3, 83378), (7, 83414), (13, 83468), (Start: 28 @83552 has 100 MA's), (39, 83627), (45, 83714), (63, 83852),

Gene: Birchlyn_234 Start: 108304, Stop: 108642, Start Num: 25
Candidate Starts for Birchlyn_234:
(12, 108244), (17, 108262), (18, 108277), (19, 108289), (24, 108301), (Start: 25 @108304 has 12 MA's), (Start: 28 @108331 has 100 MA's), (37, 108388), (43, 108472), (45, 108493), (47, 108508), (63, 108631),

Gene: BlueOtter_221 Start: 112679, Stop: 112987, Start Num: 28
Candidate Starts for BlueOtter_221:
(1, 112484), (4, 112520), (12, 112592), (14, 112598), (16, 112607), (19, 112637), (21, 112643), (22, 112646), (Start: 25 @112652 has 12 MA's), (Start: 28 @112679 has 100 MA's), (43, 112820), (45, 112841), (47, 112856), (58, 112955), (63, 112979),

Gene: Blueeyedbeauty_169 Start: 91910, Stop: 92218, Start Num: 28
Candidate Starts for Blueeyedbeauty_169:
(26, 91886), (Start: 28 @91910 has 100 MA's), (37, 91967), (39, 91985),

Gene: Bmoc_228 Start: 113231, Stop: 113539, Start Num: 28
Candidate Starts for Bmoc_228:
(15, 113153), (19, 113189), (Start: 25 @113204 has 12 MA's), (Start: 28 @113231 has 100 MA's), (43, 113372), (45, 113393), (47, 113408), (58, 113507), (63, 113531),

Gene: BoomerJR_232 Start: 110999, Stop: 111310, Start Num: 28
Candidate Starts for BoomerJR_232:
(12, 110912), (17, 110930), (18, 110945), (24, 110969), (Start: 25 @110972 has 12 MA's), (Start: 28 @110999 has 100 MA's), (37, 111056), (43, 111140), (45, 111161), (47, 111176), (63, 111299),

Gene: Bordeaux_233 Start: 110981, Stop: 111292, Start Num: 28
Candidate Starts for Bordeaux_233:

(12, 110894), (17, 110912), (18, 110927), (19, 110939), (24, 110951), (Start: 25 @110954 has 12 MA's), (Start: 28 @110981 has 100 MA's), (37, 111038), (43, 111122), (45, 111143), (47, 111158), (63, 111281),

Gene: Braelyn_219 Start: 112190, Stop: 112498, Start Num: 28
Candidate Starts for Braelyn_219:
(2, 112007), (4, 112031), (5, 112034), (12, 112103), (14, 112109), (19, 112148), (21, 112154), (Start: 25 @112163 has 12 MA's), (Start: 28 @112190 has 100 MA's), (Start: 36 @112232 has 3 MA's), (38, 112253), (43, 112331), (45, 112352), (47, 112367), (63, 112490),

Gene: Brizzy_234 Start: 111482, Stop: 111820, Start Num: 25
Candidate Starts for Brizzy_234:
(17, 111440), (18, 111455), (19, 111467), (24, 111479), (Start: 25 @111482 has 12 MA's), (Start: 28 @111509 has 100 MA's), (37, 111566), (43, 111650), (45, 111671), (47, 111686), (63, 111809),

Gene: Cadmus_221 Start: 113912, Stop: 114220, Start Num: 28
Candidate Starts for Cadmus_221:
(15, 113834), (19, 113870), (Start: 25 @113885 has 12 MA's), (Start: 28 @113912 has 100 MA's), (38, 113975), (43, 114053), (45, 114074), (47, 114089), (63, 114212),

Gene: CeilingFan_239 Start: 111776, Stop: 112087, Start Num: 28
Candidate Starts for CeilingFan_239:
(12, 111689), (17, 111707), (18, 111722), (19, 111734), (24, 111746), (Start: 25 @111749 has 12 MA's), (Start: 28 @111776 has 100 MA's), (37, 111833), (43, 111917), (45, 111938), (47, 111953), (63, 112076),

Gene: Chaewon_141 Start: 83530, Stop: 83838, Start Num: 28
Candidate Starts for Chaewon_141:
(3, 83356), (19, 83488), (Start: 28 @83530 has 100 MA's), (39, 83605), (45, 83692), (64, 83833),

Gene: Circinus_136 Start: 83520, Stop: 83828, Start Num: 28
Candidate Starts for Circinus_136:
(3, 83346), (7, 83382), (13, 83436), (Start: 28 @83520 has 100 MA's), (39, 83595), (45, 83682), (63, 83820),

Gene: Comrade_170 Start: 94169, Stop: 94477, Start Num: 28
Candidate Starts for Comrade_170:
(19, 94127), (Start: 25 @94142 has 12 MA's), (Start: 28 @94169 has 100 MA's), (37, 94226), (39, 94244), (58, 94445),

Gene: Coogler_220 Start: 113104, Stop: 113412, Start Num: 28
Candidate Starts for Coogler_220:
(1, 112909), (4, 112945), (12, 113017), (14, 113023), (16, 113032), (19, 113062), (21, 113068), (22, 113071), (Start: 25 @113077 has 12 MA's), (Start: 28 @113104 has 100 MA's), (43, 113245), (45, 113266), (47, 113281), (58, 113380), (63, 113404),

Gene: Cross_222 Start: 113324, Stop: 113632, Start Num: 28
Candidate Starts for Cross_222:
(1, 113129), (4, 113165), (12, 113237), (14, 113243), (16, 113252), (19, 113282), (21, 113288), (22, 113291), (Start: 25 @113297 has 12 MA's), (Start: 28 @113324 has 100 MA's), (43, 113465), (45, 113486), (47, 113501), (58, 113600), (63, 113624),

Gene: Cursive_226 Start: 113431, Stop: 113739, Start Num: 28

Candidate Starts for Cursive_226:
(15, 113353), (19, 113389), (Start: 25 @113404 has 12 MA's), (Start: 28 @113431 has 100 MA's), (43, 113572), (45, 113593), (47, 113608), (58, 113707), (63, 113731),

Gene: Daisy123_237 Start: 111638, Stop: 111949, Start Num: 28
Candidate Starts for Daisy123_237:
(12, 111551), (17, 111569), (18, 111584), (19, 111596), (24, 111608), (Start: 25 @111611 has 12 MA's), (Start: 28 @111638 has 100 MA's), (37, 111695), (43, 111779), (45, 111800), (47, 111815), (63, 111938),

Gene: Daubenski_217 Start: 113813, Stop: 114121, Start Num: 28
Candidate Starts for Daubenski_217:
(15, 113735), (19, 113771), (Start: 25 @113786 has 12 MA's), (Start: 28 @113813 has 100 MA's), (38, 113876), (43, 113954), (45, 113975), (47, 113990), (63, 114113),

Gene: Davielle_222 Start: 112588, Stop: 112896, Start Num: 28
Candidate Starts for Davielle_222:
(2, 112405), (4, 112429), (5, 112432), (12, 112501), (14, 112507), (19, 112546), (21, 112552), (Start: 25 @112561 has 12 MA's), (Start: 28 @112588 has 100 MA's), (Start: 36 @112630 has 3 MA's), (38, 112651), (43, 112729), (45, 112750), (47, 112765), (63, 112888),

Gene: DeluluLabubu_181 Start: 95192, Stop: 95500, Start Num: 28
Candidate Starts for DeluluLabubu_181:
(22, 95159), (26, 95168), (Start: 28 @95192 has 100 MA's), (37, 95249), (39, 95267),

Gene: Dorin_208 Start: 112050, Stop: 112334, Start Num: 35
Candidate Starts for Dorin_208:
(Start: 35 @112050 has 2 MA's), (39, 112086), (43, 112152), (50, 112203), (51, 112218), (61, 112299),

Gene: EGole_227 Start: 115515, Stop: 115823, Start Num: 28
Candidate Starts for EGole_227:
(1, 115320), (4, 115356), (12, 115428), (14, 115434), (16, 115443), (19, 115473), (21, 115479), (22, 115482), (Start: 25 @115488 has 12 MA's), (Start: 28 @115515 has 100 MA's), (43, 115656), (45, 115677), (47, 115692), (58, 115791), (63, 115815),

Gene: Eliot67_225 Start: 112372, Stop: 112680, Start Num: 28
Candidate Starts for Eliot67_225:
(2, 112189), (4, 112213), (5, 112216), (12, 112285), (14, 112291), (19, 112330), (21, 112336), (Start: 25 @112345 has 12 MA's), (Start: 28 @112372 has 100 MA's), (Start: 36 @112414 has 3 MA's), (38, 112435), (43, 112513), (45, 112534), (47, 112549), (63, 112672),

Gene: Elmer_243 Start: 114574, Stop: 114885, Start Num: 28
Candidate Starts for Elmer_243:
(4, 114415), (6, 114430), (8, 114442), (13, 114490), (18, 114520), (24, 114544), (Start: 25 @114547 has 12 MA's), (Start: 28 @114574 has 100 MA's), (37, 114631), (43, 114715), (45, 114736), (47, 114751),

Gene: Emma1919_178 Start: 93211, Stop: 93519, Start Num: 28
Candidate Starts for Emma1919_178:
(22, 93178), (26, 93187), (Start: 28 @93211 has 100 MA's), (37, 93268), (39, 93286),

Gene: Enygma_242 Start: 113784, Stop: 114095, Start Num: 28
Candidate Starts for Enygma_242:

(4, 113625), (5, 113628), (12, 113697), (17, 113715), (18, 113730), (24, 113754), (Start: 25 @113757 has 12 MA's), (Start: 28 @113784 has 100 MA's), (37, 113841), (38, 113847), (42, 113901), (43, 113925), (45, 113946), (47, 113961),

Gene: Evy_213 Start: 113498, Stop: 113806, Start Num: 28
Candidate Starts for Evy_213:
(12, 113411), (14, 113417), (19, 113456), (Start: 25 @113471 has 12 MA's), (Start: 28 @113498 has 100 MA's), (43, 113639), (45, 113660), (47, 113675), (58, 113774), (63, 113798),

Gene: Faust_166 Start: 93295, Stop: 93606, Start Num: 28
Candidate Starts for Faust_166:
(Start: 25 @93268 has 12 MA's), (Start: 28 @93295 has 100 MA's), (37, 93355), (39, 93373),

Gene: Forrest_179 Start: 94646, Stop: 94954, Start Num: 28
Candidate Starts for Forrest_179:
(22, 94613), (26, 94622), (Start: 28 @94646 has 100 MA's), (37, 94703), (39, 94721),

Gene: Francesca_209 Start: 112702, Stop: 112986, Start Num: 35
Candidate Starts for Francesca_209:
(Start: 35 @112702 has 2 MA's), (39, 112738), (43, 112804), (50, 112855), (51, 112870), (61, 112951),

Gene: Francob_174 Start: 93202, Stop: 93510, Start Num: 28
Candidate Starts for Francob_174:
(22, 93169), (Start: 25 @93175 has 12 MA's), (26, 93178), (Start: 28 @93202 has 100 MA's), (37, 93259), (39, 93277),

Gene: FreddyDRoo_224 Start: 112372, Stop: 112680, Start Num: 28
Candidate Starts for FreddyDRoo_224:
(2, 112189), (4, 112213), (5, 112216), (12, 112285), (14, 112291), (19, 112330), (21, 112336), (Start: 25 @112345 has 12 MA's), (Start: 28 @112372 has 100 MA's), (Start: 36 @112414 has 3 MA's), (38, 112435), (43, 112513), (45, 112534), (47, 112549), (63, 112672),

Gene: Genie2_232 Start: 111124, Stop: 111435, Start Num: 28
Candidate Starts for Genie2_232:
(12, 111037), (17, 111055), (18, 111070), (24, 111094), (Start: 25 @111097 has 12 MA's), (Start: 28 @111124 has 100 MA's), (37, 111181), (43, 111265), (45, 111286), (47, 111301), (63, 111424),

Gene: Gibbi_243 Start: 111242, Stop: 111580, Start Num: 25
Candidate Starts for Gibbi_243:
(12, 111182), (17, 111200), (18, 111215), (19, 111227), (24, 111239), (Start: 25 @111242 has 12 MA's), (Start: 28 @111269 has 100 MA's), (37, 111326), (43, 111410), (45, 111431), (47, 111446), (63, 111569),

Gene: Gilson_177 Start: 93173, Stop: 93481, Start Num: 28
Candidate Starts for Gilson_177:
(22, 93140), (26, 93149), (Start: 28 @93173 has 100 MA's), (37, 93230), (39, 93248),

Gene: Grayson_202 Start: 103412, Stop: 103717, Start Num: 36
Candidate Starts for Grayson_202:
(33, 103403), (Start: 36 @103412 has 3 MA's), (53, 103589), (67, 103697),

Gene: HangryHippo_221 Start: 112679, Stop: 112987, Start Num: 28
Candidate Starts for HangryHippo_221:

(1, 112484), (4, 112520), (12, 112592), (14, 112598), (16, 112607), (19, 112637), (21, 112643), (22, 112646), (Start: 25 @112652 has 12 MA's), (Start: 28 @112679 has 100 MA's), (43, 112820), (45, 112841), (47, 112856), (58, 112955), (63, 112979),

Gene: IchabodCrane_229 Start: 110757, Stop: 111095, Start Num: 25
Candidate Starts for IchabodCrane_229:
(12, 110697), (17, 110715), (18, 110730), (19, 110742), (24, 110754), (Start: 25 @110757 has 12 MA's), (Start: 28 @110784 has 100 MA's), (37, 110841), (43, 110925), (45, 110946), (47, 110961), (63, 111084),

Gene: Jada_176 Start: 93339, Stop: 93647, Start Num: 28
Candidate Starts for Jada_176:
(22, 93306), (26, 93315), (Start: 28 @93339 has 100 MA's), (37, 93396), (39, 93414), (44, 93498),

Gene: JimJam_242 Start: 112705, Stop: 113016, Start Num: 28
Candidate Starts for JimJam_242:
(12, 112618), (17, 112636), (18, 112651), (19, 112663), (24, 112675), (Start: 25 @112678 has 12 MA's), (Start: 28 @112705 has 100 MA's), (37, 112762), (43, 112846), (45, 112867), (47, 112882), (63, 113005),

Gene: Jollison_232 Start: 110915, Stop: 111226, Start Num: 28
Candidate Starts for Jollison_232:
(12, 110828), (17, 110846), (18, 110861), (19, 110873), (24, 110885), (Start: 25 @110888 has 12 MA's), (Start: 28 @110915 has 100 MA's), (37, 110972), (43, 111056), (45, 111077), (47, 111092), (63, 111215),

Gene: Karimac_235 Start: 111100, Stop: 111411, Start Num: 28
Candidate Starts for Karimac_235:
(17, 111031), (18, 111046), (19, 111058), (24, 111070), (Start: 25 @111073 has 12 MA's), (Start: 28 @111100 has 100 MA's), (37, 111157), (43, 111241), (45, 111262), (47, 111277), (63, 111400),

Gene: Karp_167 Start: 93393, Stop: 93701, Start Num: 28
Candidate Starts for Karp_167:
(19, 93351), (Start: 25 @93366 has 12 MA's), (Start: 28 @93393 has 100 MA's), (37, 93450), (39, 93468), (58, 93669),

Gene: Kenrey_180 Start: 94206, Stop: 94514, Start Num: 28
Candidate Starts for Kenrey_180:
(22, 94173), (26, 94182), (Start: 28 @94206 has 100 MA's), (37, 94263), (39, 94281),

Gene: KentuckyRacer_241 Start: 112620, Stop: 112931, Start Num: 28
Candidate Starts for KentuckyRacer_241:
(12, 112533), (17, 112551), (18, 112566), (19, 112578), (24, 112590), (Start: 25 @112593 has 12 MA's), (Start: 28 @112620 has 100 MA's), (37, 112677), (43, 112761), (45, 112782), (47, 112797), (63, 112920),

Gene: Larnav_223 Start: 113597, Stop: 113905, Start Num: 28
Candidate Starts for Larnav_223:
(15, 113519), (19, 113555), (Start: 25 @113570 has 12 MA's), (Start: 28 @113597 has 100 MA's), (Start: 36 @113639 has 3 MA's), (43, 113738), (45, 113759), (47, 113774), (58, 113873), (63, 113897),

Gene: Leo04_223 Start: 113705, Stop: 114013, Start Num: 28
Candidate Starts for Leo04_223:

(1, 113510), (4, 113546), (12, 113618), (14, 113624), (16, 113633), (19, 113663), (21, 113669), (22, 113672), (Start: 25 @113678 has 12 MA's), (Start: 28 @113705 has 100 MA's), (43, 113846), (45, 113867), (47, 113882), (58, 113981), (63, 114005),

Gene: Liandry_223 Start: 113079, Stop: 113387, Start Num: 28
Candidate Starts for Liandry_223:
(2, 112896), (4, 112920), (5, 112923), (12, 112992), (14, 112998), (19, 113037), (21, 113043), (Start: 25 @113052 has 12 MA's), (Start: 28 @113079 has 100 MA's), (Start: 36 @113121 has 3 MA's), (38, 113142), (43, 113220), (45, 113241), (47, 113256), (63, 113379),

Gene: LilMartin_222 Start: 111730, Stop: 112038, Start Num: 28
Candidate Starts for LilMartin_222:
(22, 111703), (Start: 28 @111730 has 100 MA's), (38, 111793), (43, 111871), (45, 111892), (47, 111907), (56, 111970),

Gene: LilSaint_224 Start: 112935, Stop: 113243, Start Num: 28
Candidate Starts for LilSaint_224:
(20, 112899), (23, 112908), (Start: 28 @112935 has 100 MA's), (38, 112998), (43, 113076), (45, 113097), (47, 113112), (56, 113175),

Gene: Limpid_168 Start: 93456, Stop: 93764, Start Num: 28
Candidate Starts for Limpid_168:
(26, 93432), (Start: 28 @93456 has 100 MA's), (37, 93513), (39, 93531),

Gene: LukeCage_238 Start: 112918, Stop: 113256, Start Num: 25
Candidate Starts for LukeCage_238:
(24, 112915), (Start: 25 @112918 has 12 MA's), (Start: 28 @112945 has 100 MA's), (37, 113002), (43, 113086), (45, 113107), (47, 113122),

Gene: Lululemon_220 Start: 112484, Stop: 112792, Start Num: 28
Candidate Starts for Lululemon_220:
(15, 112406), (19, 112442), (Start: 25 @112457 has 12 MA's), (Start: 28 @112484 has 100 MA's), (Start: 36 @112526 has 3 MA's), (43, 112625), (45, 112646), (47, 112661), (58, 112760), (63, 112784),

Gene: Marsus_225 Start: 113395, Stop: 113703, Start Num: 28
Candidate Starts for Marsus_225:
(22, 113368), (Start: 28 @113395 has 100 MA's), (43, 113536), (45, 113557), (47, 113572), (56, 113635),

Gene: Maupel_178 Start: 93173, Stop: 93481, Start Num: 28
Candidate Starts for Maupel_178:
(22, 93140), (26, 93149), (Start: 28 @93173 has 100 MA's), (37, 93230), (39, 93248),

Gene: MeganTheeKilla_177 Start: 93242, Stop: 93550, Start Num: 28
Candidate Starts for MeganTheeKilla_177:
(22, 93209), (26, 93218), (Start: 28 @93242 has 100 MA's), (37, 93299), (39, 93317),

Gene: Mildred21_233 Start: 111869, Stop: 112177, Start Num: 28
Candidate Starts for Mildred21_233:
(11, 111767), (15, 111791), (Start: 25 @111842 has 12 MA's), (Start: 28 @111869 has 100 MA's), (38, 111932), (43, 112010), (45, 112031), (47, 112046), (63, 112169),

Gene: MindFlayer_228 Start: 110273, Stop: 110611, Start Num: 25

Candidate Starts for MindFlayer_228:
(12, 110213), (17, 110231), (18, 110246), (19, 110258), (24, 110270), (Start: 25 @110273 has 12 MA's), (Start: 28 @110300 has 100 MA's), (37, 110357), (43, 110441), (45, 110462), (47, 110477), (63, 110600),

Gene: Mischief19_47 Start: 42321, Stop: 41932, Start Num: 27
Candidate Starts for Mischief19_47:
(Start: 27 @42321 has 1 MA's), (29, 42315), (41, 42231), (43, 42183), (55, 42078), (58, 42042), (62, 42024),

Gene: Moab_175 Start: 95682, Stop: 95990, Start Num: 28
Candidate Starts for Moab_175:
(Start: 25 @95655 has 12 MA's), (26, 95658), (Start: 28 @95682 has 100 MA's), (37, 95739), (38, 95745), (39, 95757),

Gene: Mugiwara_242 Start: 113456, Stop: 113794, Start Num: 25
Candidate Starts for Mugiwara_242:
(17, 113414), (18, 113429), (24, 113453), (Start: 25 @113456 has 12 MA's), (Start: 28 @113483 has 100 MA's), (37, 113540), (43, 113624), (45, 113645), (47, 113660),

Gene: MulchMansion_226 Start: 113364, Stop: 113672, Start Num: 28
Candidate Starts for MulchMansion_226:
(22, 113337), (Start: 28 @113364 has 100 MA's), (38, 113427), (43, 113505), (45, 113526), (47, 113541), (56, 113604),

Gene: Muntaha_143 Start: 82501, Stop: 82809, Start Num: 28
Candidate Starts for Muntaha_143:
(9, 82375), (13, 82417), (19, 82459), (Start: 28 @82501 has 100 MA's), (39, 82576), (45, 82663), (59, 82783), (64, 82804),

Gene: Navo_217 Start: 111394, Stop: 111702, Start Num: 28
Candidate Starts for Navo_217:
(2, 111211), (4, 111235), (5, 111238), (12, 111307), (14, 111313), (19, 111352), (21, 111358), (Start: 25 @111367 has 12 MA's), (Start: 28 @111394 has 100 MA's), (Start: 36 @111436 has 3 MA's), (38, 111457), (43, 111535), (45, 111556), (47, 111571), (63, 111694),

Gene: NiceHouse_218 Start: 118488, Stop: 118787, Start Num: 30
Candidate Starts for NiceHouse_218:
(Start: 30 @118488 has 1 MA's), (48, 118644), (54, 118689), (65, 118773), (66, 118782),

Gene: NootNoot_220 Start: 111924, Stop: 112232, Start Num: 28
Candidate Starts for NootNoot_220:
(2, 111741), (4, 111765), (5, 111768), (12, 111837), (14, 111843), (19, 111882), (21, 111888), (Start: 25 @111897 has 12 MA's), (Start: 28 @111924 has 100 MA's), (Start: 36 @111966 has 3 MA's), (38, 111987), (43, 112065), (45, 112086), (47, 112101), (63, 112224),

Gene: Nova53_220 Start: 116818, Stop: 117105, Start Num: 34
Candidate Starts for Nova53_220:
(Start: 34 @116818 has 2 MA's), (46, 116956), (49, 116968), (51, 116989), (52, 116998), (53, 117001), (57, 117049),

Gene: PacManQ_220 Start: 112484, Stop: 112792, Start Num: 28
Candidate Starts for PacManQ_220:

(15, 112406), (19, 112442), (Start: 25 @112457 has 12 MA's), (Start: 28 @112484 has 100 MA's), (Start: 36 @112526 has 3 MA's), (43, 112625), (45, 112646), (47, 112661), (58, 112760), (63, 112784),

Gene: Paradiddles_215 Start: 114299, Stop: 114607, Start Num: 28
Candidate Starts for Paradiddles_215:
(2, 114116), (4, 114140), (5, 114143), (12, 114212), (14, 114218), (19, 114257), (21, 114263), (Start: 25 @114272 has 12 MA's), (Start: 28 @114299 has 100 MA's), (Start: 36 @114341 has 3 MA's), (38, 114362), (43, 114440), (45, 114461), (47, 114476), (63, 114599),

Gene: Patelgo_176 Start: 96140, Stop: 96448, Start Num: 28
Candidate Starts for Patelgo_176:
(Start: 25 @96113 has 12 MA's), (26, 96116), (Start: 28 @96140 has 100 MA's), (37, 96197), (38, 96203), (39, 96215),

Gene: Peebs_220 Start: 113568, Stop: 113876, Start Num: 28
Candidate Starts for Peebs_220:
(15, 113490), (19, 113526), (Start: 25 @113541 has 12 MA's), (Start: 28 @113568 has 100 MA's), (Start: 36 @113610 has 3 MA's), (43, 113709), (45, 113730), (47, 113745), (58, 113844), (63, 113868),

Gene: Pepperwood_223 Start: 113376, Stop: 113684, Start Num: 28
Candidate Starts for Pepperwood_223:
(1, 113181), (4, 113217), (12, 113289), (14, 113295), (16, 113304), (19, 113334), (21, 113340), (22, 113343), (Start: 25 @113349 has 12 MA's), (Start: 28 @113376 has 100 MA's), (Start: 36 @113418 has 3 MA's), (43, 113517), (45, 113538), (47, 113553), (58, 113652), (63, 113676),

Gene: Peregrin_200 Start: 103814, Stop: 104119, Start Num: 36
Candidate Starts for Peregrin_200:
(33, 103805), (Start: 36 @103814 has 3 MA's), (53, 103991), (67, 104099),

Gene: Persimmon_226 Start: 112412, Stop: 112720, Start Num: 28
Candidate Starts for Persimmon_226:
(2, 112229), (4, 112253), (5, 112256), (12, 112325), (14, 112331), (19, 112370), (21, 112376), (Start: 25 @112385 has 12 MA's), (Start: 28 @112412 has 100 MA's), (Start: 36 @112454 has 3 MA's), (38, 112475), (43, 112553), (45, 112574), (47, 112589), (63, 112712),

Gene: Phredrick_178 Start: 92837, Stop: 93145, Start Num: 28
Candidate Starts for Phredrick_178:
(22, 92804), (26, 92813), (Start: 28 @92837 has 100 MA's), (37, 92894), (39, 92912),

Gene: PinkiePie_223 Start: 113079, Stop: 113387, Start Num: 28
Candidate Starts for PinkiePie_223:
(2, 112896), (4, 112920), (5, 112923), (12, 112992), (14, 112998), (19, 113037), (21, 113043), (Start: 25 @113052 has 12 MA's), (Start: 28 @113079 has 100 MA's), (Start: 36 @113121 has 3 MA's), (38, 113142), (43, 113220), (45, 113241), (47, 113256), (63, 113379),

Gene: PumpkinSpice_238 Start: 111521, Stop: 111832, Start Num: 28
Candidate Starts for PumpkinSpice_238:
(12, 111434), (17, 111452), (18, 111467), (19, 111479), (24, 111491), (Start: 25 @111494 has 12 MA's), (Start: 28 @111521 has 100 MA's), (37, 111578), (43, 111662), (45, 111683), (47, 111698), (63, 111821),

Gene: PynkPanther_223 Start: 113277, Stop: 113585, Start Num: 28
Candidate Starts for PynkPanther_223:

(2, 113094), (4, 113118), (5, 113121), (12, 113190), (14, 113196), (19, 113235), (21, 113241), (Start: 25 @113250 has 12 MA's), (Start: 28 @113277 has 100 MA's), (Start: 36 @113319 has 3 MA's), (38, 113340), (43, 113418), (45, 113439), (47, 113454), (63, 113577),

Gene: Quaran19_235 Start: 110935, Stop: 111273, Start Num: 25
Candidate Starts for Quaran19_235:
(12, 110875), (17, 110893), (18, 110908), (19, 110920), (24, 110932), (Start: 25 @110935 has 12 MA's), (Start: 28 @110962 has 100 MA's), (37, 111019), (43, 111103), (45, 111124), (47, 111139), (63, 111262),

Gene: Rikishi_236 Start: 111243, Stop: 111554, Start Num: 28
Candidate Starts for Rikishi_236:
(12, 111156), (17, 111174), (18, 111189), (19, 111201), (24, 111213), (Start: 25 @111216 has 12 MA's), (Start: 28 @111243 has 100 MA's), (37, 111300), (43, 111384), (45, 111405), (47, 111420), (63, 111543),

Gene: Riptide_224 Start: 112093, Stop: 112401, Start Num: 28
Candidate Starts for Riptide_224:
(20, 112057), (23, 112066), (Start: 28 @112093 has 100 MA's), (38, 112156), (43, 112234), (45, 112255), (47, 112270), (56, 112333),

Gene: SaltySpitoon_235 Start: 110477, Stop: 110815, Start Num: 25
Candidate Starts for SaltySpitoon_235:
(12, 110417), (17, 110435), (18, 110450), (19, 110462), (24, 110474), (Start: 25 @110477 has 12 MA's), (Start: 28 @110504 has 100 MA's), (37, 110561), (43, 110645), (45, 110666), (47, 110681), (63, 110804),

Gene: Samisti12_227 Start: 114970, Stop: 115278, Start Num: 28
Candidate Starts for Samisti12_227:
(1, 114775), (4, 114811), (12, 114883), (14, 114889), (16, 114898), (19, 114928), (21, 114934), (22, 114937), (Start: 25 @114943 has 12 MA's), (Start: 28 @114970 has 100 MA's), (43, 115111), (45, 115132), (47, 115147), (58, 115246), (63, 115270),

Gene: Scheme_226 Start: 114615, Stop: 114923, Start Num: 28
Candidate Starts for Scheme_226:
(1, 114420), (4, 114456), (12, 114528), (14, 114534), (16, 114543), (19, 114573), (21, 114579), (22, 114582), (Start: 25 @114588 has 12 MA's), (Start: 28 @114615 has 100 MA's), (Start: 36 @114657 has 3 MA's), (43, 114756), (45, 114777), (47, 114792), (58, 114891), (63, 114915),

Gene: SeresaTree_168 Start: 92677, Stop: 92988, Start Num: 28
Candidate Starts for SeresaTree_168:
(Start: 25 @92650 has 12 MA's), (Start: 28 @92677 has 100 MA's), (37, 92737), (39, 92755),

Gene: Sham_166 Start: 94294, Stop: 94605, Start Num: 28
Candidate Starts for Sham_166:
(Start: 25 @94267 has 12 MA's), (Start: 28 @94294 has 100 MA's), (37, 94354), (39, 94372),

Gene: Shuckle_222 Start: 113928, Stop: 114236, Start Num: 28
Candidate Starts for Shuckle_222:
(15, 113850), (19, 113886), (Start: 25 @113901 has 12 MA's), (Start: 28 @113928 has 100 MA's), (43, 114069), (45, 114090), (47, 114105), (58, 114204), (63, 114228),

Gene: Sollertia_233 Start: 111113, Stop: 111424, Start Num: 28

Candidate Starts for Sollertia_233:
(12, 111026), (17, 111044), (18, 111059), (24, 111083), (Start: 25 @111086 has 12 MA's), (Start: 28 @111113 has 100 MA's), (37, 111170), (43, 111254), (45, 111275), (47, 111290), (63, 111413),

Gene: SparkleGoddess_173 Start: 94377, Stop: 94685, Start Num: 28
Candidate Starts for SparkleGoddess_173:
(19, 94335), (Start: 25 @94350 has 12 MA's), (Start: 28 @94377 has 100 MA's), (37, 94434), (39, 94452), (58, 94653),

Gene: Spelly_240 Start: 110433, Stop: 110744, Start Num: 28
Candidate Starts for Spelly_240:
(12, 110346), (17, 110364), (18, 110379), (19, 110391), (24, 110403), (Start: 25 @110406 has 12 MA's), (Start: 28 @110433 has 100 MA's), (37, 110490), (43, 110574), (45, 110595), (47, 110610), (63, 110733),

Gene: Spilled_242 Start: 111637, Stop: 111948, Start Num: 28
Candidate Starts for Spilled_242:
(12, 111550), (17, 111568), (18, 111583), (19, 111595), (24, 111607), (Start: 25 @111610 has 12 MA's), (Start: 28 @111637 has 100 MA's), (37, 111694), (43, 111778), (45, 111799), (47, 111814), (63, 111937),

Gene: Squillium_226 Start: 113081, Stop: 113389, Start Num: 28
Candidate Starts for Squillium_226:
(2, 112898), (4, 112922), (5, 112925), (12, 112994), (14, 113000), (19, 113039), (21, 113045), (Start: 25 @113054 has 12 MA's), (Start: 28 @113081 has 100 MA's), (Start: 36 @113123 has 3 MA's), (38, 113144), (43, 113222), (45, 113243), (47, 113258), (63, 113381),

Gene: Stanimal_232 Start: 111485, Stop: 111796, Start Num: 28
Candidate Starts for Stanimal_232:
(12, 111398), (17, 111416), (18, 111431), (24, 111455), (Start: 25 @111458 has 12 MA's), (Start: 28 @111485 has 100 MA's), (37, 111542), (43, 111626), (45, 111647), (47, 111662), (63, 111785),

Gene: StarPlatinum_242 Start: 113445, Stop: 113756, Start Num: 28
Candidate Starts for StarPlatinum_242:
(24, 113415), (Start: 25 @113418 has 12 MA's), (Start: 28 @113445 has 100 MA's), (37, 113502), (43, 113586), (45, 113607), (47, 113622),

Gene: Starbow_232 Start: 110450, Stop: 110788, Start Num: 25
Candidate Starts for Starbow_232:
(12, 110390), (17, 110408), (18, 110423), (19, 110435), (24, 110447), (Start: 25 @110450 has 12 MA's), (Start: 28 @110477 has 100 MA's), (37, 110534), (43, 110618), (45, 110639), (47, 110654), (63, 110777),

Gene: Stigma_171 Start: 94614, Stop: 94922, Start Num: 28
Candidate Starts for Stigma_171:
(19, 94572), (Start: 25 @94587 has 12 MA's), (Start: 28 @94614 has 100 MA's), (37, 94671), (39, 94689), (58, 94890),

Gene: Sushi23_224 Start: 114434, Stop: 114742, Start Num: 28
Candidate Starts for Sushi23_224:
(15, 114356), (19, 114392), (Start: 25 @114407 has 12 MA's), (Start: 28 @114434 has 100 MA's), (Start: 36 @114476 has 3 MA's), (43, 114575), (45, 114596), (47, 114611), (58, 114710), (63, 114734),

Gene: Targaryen_223 Start: 114606, Stop: 114914, Start Num: 28
Candidate Starts for Targaryen_223:
(15, 114528), (19, 114564), (Start: 25 @114579 has 12 MA's), (Start: 28 @114606 has 100 MA's), (43, 114747), (45, 114768), (47, 114783), (58, 114882), (63, 114906),

Gene: Teutsch_222 Start: 113799, Stop: 114107, Start Num: 28
Candidate Starts for Teutsch_222:
(1, 113604), (4, 113640), (12, 113712), (14, 113718), (16, 113727), (19, 113757), (21, 113763), (22, 113766), (Start: 25 @113772 has 12 MA's), (Start: 28 @113799 has 100 MA's), (Start: 36 @113841 has 3 MA's), (43, 113940), (45, 113961), (47, 113976), (58, 114075), (63, 114099),

Gene: TomSawyer_239 Start: 112948, Stop: 113259, Start Num: 28
Candidate Starts for TomSawyer_239:
(12, 112861), (17, 112879), (18, 112894), (19, 112906), (24, 112918), (Start: 25 @112921 has 12 MA's), (Start: 28 @112948 has 100 MA's), (37, 113005), (43, 113089), (45, 113110), (47, 113125), (63, 113248),

Gene: Tomas_235 Start: 114879, Stop: 115193, Start Num: 28
Candidate Starts for Tomas_235:
(5, 114723), (10, 114768), (11, 114777), (18, 114825), (Start: 25 @114852 has 12 MA's), (Start: 28 @114879 has 100 MA's), (43, 115020), (44, 115038), (45, 115041), (47, 115056), (51, 115086),

Gene: Tribute_219 Start: 113964, Stop: 114272, Start Num: 28
Candidate Starts for Tribute_219:
(1, 113769), (4, 113805), (12, 113877), (14, 113883), (16, 113892), (19, 113922), (21, 113928), (22, 113931), (Start: 25 @113937 has 12 MA's), (Start: 28 @113964 has 100 MA's), (Start: 36 @114006 has 3 MA's), (43, 114105), (45, 114126), (47, 114141), (63, 114264),

Gene: Trina_222 Start: 117341, Stop: 117649, Start Num: 34
Candidate Starts for Trina_222:
(31, 117332), (32, 117335), (Start: 34 @117341 has 2 MA's), (49, 117491), (65, 117623),

Gene: Tuesday_242 Start: 111488, Stop: 111799, Start Num: 28
Candidate Starts for Tuesday_242:
(12, 111401), (17, 111419), (18, 111434), (19, 111446), (24, 111458), (Start: 25 @111461 has 12 MA's), (Start: 28 @111488 has 100 MA's), (37, 111545), (43, 111629), (45, 111650), (47, 111665), (63, 111788),

Gene: TunaTartare_173 Start: 96006, Stop: 96317, Start Num: 28
Candidate Starts for TunaTartare_173:
(Start: 28 @96006 has 100 MA's), (37, 96066), (39, 96084), (45, 96171),

Gene: Wakanda_142 Start: 82443, Stop: 82751, Start Num: 28
Candidate Starts for Wakanda_142:
(7, 82305), (9, 82317), (13, 82359), (19, 82401), (Start: 28 @82443 has 100 MA's), (39, 82518), (45, 82605), (59, 82725), (64, 82746),

Gene: Warpy_226 Start: 113064, Stop: 113399, Start Num: 25
Candidate Starts for Warpy_226:
(12, 113004), (14, 113010), (19, 113049), (Start: 25 @113064 has 12 MA's), (Start: 28 @113091 has 100 MA's), (43, 113232), (45, 113253), (47, 113268), (58, 113367), (63, 113391),

Gene: WashU_217 Start: 113586, Stop: 113894, Start Num: 28

Candidate Starts for WashU_217:
(1, 113391), (4, 113427), (12, 113499), (14, 113505), (16, 113514), (19, 113544), (21, 113550), (22, 113553), (Start: 25 @113559 has 12 MA's), (Start: 28 @113586 has 100 MA's), (Start: 36 @113628 has 3 MA's), (43, 113727), (45, 113748), (47, 113763), (58, 113862), (63, 113886),

Gene: Watermoore_222 Start: 114322, Stop: 114630, Start Num: 28
Candidate Starts for Watermoore_222:
(1, 114127), (4, 114163), (12, 114235), (14, 114241), (16, 114250), (19, 114280), (21, 114286), (22, 114289), (Start: 25 @114295 has 12 MA's), (Start: 28 @114322 has 100 MA's), (Start: 36 @114364 has 3 MA's), (43, 114463), (45, 114484), (47, 114499), (58, 114598), (63, 114622),

Gene: Weasels2_205 Start: 106654, Stop: 106944, Start Num: 36
Candidate Starts for Weasels2_205:
(33, 106645), (Start: 36 @106654 has 3 MA's), (40, 106699), (58, 106888), (60, 106900), (66, 106933),

Gene: Westy_175 Start: 94926, Stop: 95234, Start Num: 28
Candidate Starts for Westy_175:
(19, 94884), (Start: 25 @94899 has 12 MA's), (Start: 28 @94926 has 100 MA's), (37, 94983), (39, 95001), (58, 95202),

Gene: WhereRU_222 Start: 112573, Stop: 112881, Start Num: 28
Candidate Starts for WhereRU_222:
(2, 112390), (4, 112414), (5, 112417), (12, 112486), (14, 112492), (19, 112531), (21, 112537), (Start: 25 @112546 has 12 MA's), (Start: 28 @112573 has 100 MA's), (Start: 36 @112615 has 3 MA's), (38, 112636), (43, 112714), (45, 112735), (47, 112750), (63, 112873),

Gene: Wipeout_225 Start: 111900, Stop: 112211, Start Num: 28
Candidate Starts for Wipeout_225:
(12, 111813), (17, 111831), (18, 111846), (19, 111858), (24, 111870), (Start: 25 @111873 has 12 MA's), (Start: 28 @111900 has 100 MA's), (37, 111957), (43, 112041), (45, 112062), (47, 112077), (63, 112200),

Gene: Wofford_235 Start: 114161, Stop: 114499, Start Num: 25
Candidate Starts for Wofford_235:
(4, 114029), (6, 114044), (8, 114056), (13, 114104), (18, 114134), (24, 114158), (Start: 25 @114161 has 12 MA's), (Start: 28 @114188 has 100 MA's), (37, 114245), (43, 114329), (45, 114350), (47, 114365),

Gene: Yaboi_237 Start: 111048, Stop: 111359, Start Num: 28
Candidate Starts for Yaboi_237:
(12, 110961), (17, 110979), (18, 110994), (24, 111018), (Start: 25 @111021 has 12 MA's), (Start: 28 @111048 has 100 MA's), (37, 111105), (43, 111189), (45, 111210), (47, 111225), (63, 111348),