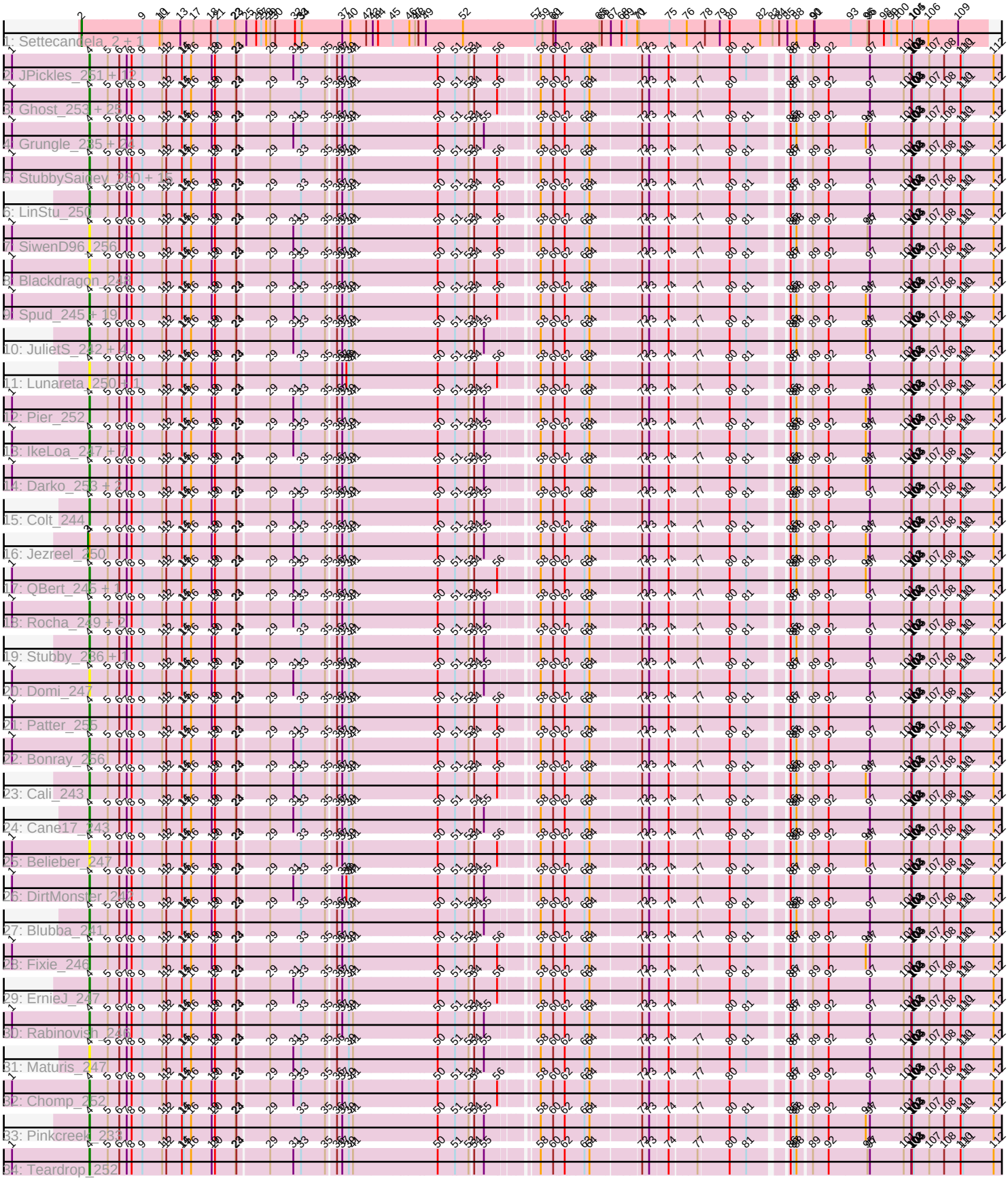
Pham 345473


1: Settecandela_2 + 1
2: JPickles_251 + 12
3: Ghost_253 + 28
4: Grungle_235 + 24
5: StubbySaiGey_230 + 15
6: LinStu_250
7: SiwenD96_256
8: Blackdragon_248
9: Spud_245 + 19
10: JulietS_242 + 4
11: Lunareta_250 + 1
12: Pier_252
13: IkeLoa_247 + 7
14: Darko_253 + 3
15: Colt_244
16: Jezreel_250
17: QBert_245 + 1
18: Rocha_249 + 2
19: Stubby_236 + 1
20: Domi_247
21: Patter_255
22: Bonray_256
23: Cali_243
24: Cane17_243
25: Belieber_247
26: DirtMonster_241
27: Blubba_241
28: Fixie_246
29: ErnieJ_247
30: Rabinovish_248
31: Maturis_247
32: Chomp_252
33: Pinkcreek_233
34: Teardrop_252

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 345473 Report

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

Pham number 345473 has 148 members, 19 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_2, Phrappuccino_2
• Track 2 : JPickles_251, EasyJones_254, ChaylaJr_252, Chargie21_251, Basquiat_251, ChickenPhender_249, JustHall_247, Blackbrain_252, Morizzled23_251, Cactojaque_248, Wally_251, Matsumoto_251, Essence_251
• Track 3 : Ghost_253, Naija_254, Gamgam_255, GlutenPhree_254, Pivoine_254, Jedediah_255, CindyLou_254, Audrick_256, Willis_254, Latch_253, ValleyTerrace_254, Atlantean_253, YoungMoneyMata_253, Dessert_254, Fludd_253, Amataga_254, Phlegm_258, Ngannou_248, Jemmno_253, Babyland_256, Ading_256, SilverDipper_258, Quasimodo_256, Momo_255, Substance289_249, InigoMontoya_257
• Track 4 : Grungle_235, Koguma_252, FrayBell_256, Maguvora_254, Izajani_249, Lee7_258, Bowman_255, Issimir_247, Mikro_247, Nidhogg_254, Pupusa_256, PharkleMinkus_254, LolaVinca_249, ZygoTaiga_250, Cleatunium_245, Iota_250, LordLeafolot_254, Specks_258, Tainan_253, Puhon_254, GoldenSnow_252, NoodleTree_249, Halldule_245, InterFolia_255, Labradorite_255
• Track 5 : StubbySaigey_260, Dietrick_242, EmmaElysia_258, Melpomini_248, Kboogie_257, Ablatia_253, Napoleon13_250, BackyardAgain_248, Turret_244, Catera_242, McGee_255, Janiyra_257, BobaPhatt_247, Littleton_257, ScottMcG_245, Trinitium_250
• Track 6 : LinStu_250
• Track 7 : SiwenD96_256
• Track 8 : Blackdragon_248
• Track 9 : Spud_245, Spec_248, Drazdys_250, Gabriel_256, ArcherS7_254, LRRHood_245, Phusco_252, Sprinklers_251, Jaygup_250, Breeniome_253, Capablanca_258, Shaqnato_244, Derek_249, Flabslab_248, Naval22_260, Rahel_255, SmallFry_254, Rizal_242, CharlieB_248, LifeSavor_254
• Track 10 : JulietS_242, Yassified_249, ET08_239, Ronan_249, Duckfeet_247
• Track 11 : Lunareta_250, Montpel_250
• Track 12 : Pier_252
• Track 13 : IkeLoa_247, RoMag_248, Kamryn_252, LookingGlass_251, Lukilu_242, SoilZilla_246, BadAgartude_247, StephanieG_247
• Track 14 : Darko_253, BananaFence_251, Mangeria_253
• Track 15 : Colt_244
• Track 16 : Jezreel_250
• Track 17 : QBert_245, Sauce_250
• Track 18 : Rocha_249, Astraea_249, Primadonna_249
• Track 19 : Stubby_236, Alice_239

• Track 20 : Domi_247
• Track 21 : Patter_255
• Track 22 : Bonray_256
• Track 23 : Cali_243
• Track 24 : Cane17_243
• Track 25 : Belieber_247
• Track 26 : DirtMonster_242
• Track 27 : Blubba_241
• Track 28 : Fixie_246
• Track 29 : ErnieJ_247
• Track 30 : Rabinovish_246
• Track 31 : Maturis_247
• Track 32 : Chomp_252
• Track 33 : Pinkcreek_233
• Track 34 : Teardrop_252

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

The start number called the most often in the published annotations is 4, it was called in 126 of the 129 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ablatia_253, Ading_256, Alice_239, Amataga_254, ArcherS7_254, Astraea_249, Atlantean_253, Audrick_256, Babyland_256, BackyardAgain_248, BadAgartude_247, BananaFence_251, Basquiat_251, Belieber_247, Blackbrain_252, Blackdragon_248, Blubba_241, BobaPhatt_247, Bonray_256, Bowman_255, Breeniome_253, Cactojaque_248, Cali_243, Cane17_243, Capablanca_258, Catera_242, Chargie21_251, CharlieB_248, ChaylaJr_252, ChickenPhender_249, Chomp_252, CindyLou_254, Cleatunium_245, Colt_244, Darko_253, Derek_249, Dessert_254, Dietrick_242, DirtMonster_242, Domi_247, Drazdys_250, Duckfeet_247, ET08_239, EasyJones_254, EmmaElysia_258, ErnieJ_247, Essence_251, Fixie_246, Flabslab_248, Fludd_253, FrayBell_256, Gabriel_256, Gamgam_255, Ghost_253, GlutenPhree_254, GoldenSnow_252, Grungle_235, Halldule_245, IkeLoa_247, InigoMontoya_257, InterFolia_255, Iota_250, Issimir_247, Izajani_249, JPickles_251, Janiyra_257, Jaygup_250, Jedediah_255, Jemmno_253, JulietS_242, JustHall_247, Kamryn_252, Kboogie_257, Koguma_252, LRRHood_245, Labradorite_255, Latch_253, Lee7_258, LifeSavor_254, LinStu_250, Littleton_257, LolaVinca_249, LookingGlass_251, LordLeafolot_254, Lukilu_242, Lunareta_250, Maguvora_254, Mangeria_253, Matsumoto_251, Maturis_247, McGee_255, Melpomini_248, Mikro_247, Momo_255, Montpel_250, Morizzled23_251, Naija_254, Napoleon13_250, Naval22_260, Ngannou_248, Nidhogg_254, NoodleTree_249, Patter_255, PharkleMinkus_254, Phlegm_258, Phusco_252, Pier_252, Pinkcreek_233, Pivoine_254, Primadonna_249, Puhon_254, Pupusa_256, QBert_245, Quasimodo_256, Rabinovish_246, Rahel_255, Rizal_242, RoMag_248, Rocha_249, Ronan_249, Sauce_250, ScottMcG_245, Shaqnato_244, SilverDipper_258, SiwenD96_256, SmallFry_254, SoilZilla_246, Spec_248, Specks_258, Sprinklers_251, Spud_245, StephanieG_247, StubbySaigey_260, Stubby_236, Substance289_249, Tainan_253, Teardrop_252, Trinitium_250, Turret_244, ValleyTerrace_254, Wally_251, Willis_254, Yassified_249, YoungMoneyMata_253, ZygoTaiga_250,

Genes that have the "Most Annotated" start but do not call it:
• Jezreel_250,

Genes that do not have the "Most Annotated" start:
• Phrappuccino_2, Settecandela_2,

Summary by start number:

Start 2:
• Found in 2 of 148 (1.4%) of genes in pham
• Manual Annotations of this start: 2 of 129
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_2 (AA), Settecandela_2 (AA),

Start 3:
• Found in 1 of 148 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 129
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jezreel_250 (C1),

Start 4:
• Found in 146 of 148 (98.6%) of genes in pham
• Manual Annotations of this start: 126 of 129
• Called 99.3% of time when present
• Phage (with cluster) where this start called: Ablatia_253 (C1), Ading_256 (C1), Alice_239 (C1), Amataga_254 (C1), ArcherS7_254 (C1), Astraea_249 (C1), Atlantean_253 (C1), Audrick_256 (C1), Babyland_256 (C1), BackyardAgain_248 (C1), BadAgartude_247 (C1), BananaFence_251 (C1), Basquiat_251 (C1), Belieber_247 (C1), Blackbrain_252 (C1), Blackdragon_248 (C1), Blubba_241 (C1), BobaPhatt_247 (C1), Bonray_256 (C1), Bowman_255 (C1), Breeniome_253 (C1), Cactojaque_248 (C1), Cali_243 (C1), Cane17_243 (C1), Capablanca_258 (C1), Catera_242 (C1), Chargie21_251 (C1), CharlieB_248 (C1), ChaylaJr_252 (C1), ChickenPhender_249 (C1), Chomp_252 (C1), CindyLou_254 (C1), Cleatunium_245 (C1), Colt_244 (C1), Darko_253 (C1), Derek_249 (C1), Dessert_254 (C1), Dietrick_242 (C1), DirtMonster_242 (C1), Domi_247 (C1), Drazdys_250 (C1), Duckfeet_247 (C1), ET08_239 (C1), EasyJones_254 (C1), EmmaElysia_258 (C1), ErnieJ_247 (C1), Essence_251 (C1), Fixie_246 (C1), Flabslab_248 (C1), Fludd_253 (C1), FrayBell_256 (C1), Gabriel_256 (C1), Gamgam_255 (C1), Ghost_253 (C1), GlutenPhree_254 (C1), GoldenSnow_252 (C1), Grungle_235 (C1), Halldule_245 (C1), IkeLoa_247 (C1), InigoMontoya_257 (C1), InterFolia_255 (C1), Iota_250 (C1), Issimir_247 (C1), Izajani_249 (C1), JPickles_251 (C1), Janiyra_257 (C1), Jaygup_250 (C1), Jedediah_255 (C1), Jemmno_253 (C1), JulietS_242 (C1), JustHall_247 (C1), Kamryn_252 (C1), Kboogie_257 (C1), Koguma_252 (C1), LRRHood_245 (C1), Labradorite_255 (C1), Latch_253 (C1), Lee7_258 (C1), LifeSavor_254 (C1), LinStu_250 (C1), Littleton_257 (C1), LolaVinca_249 (C1), LookingGlass_251 (C1), LordLeafolot_254 (C1), Lukilu_242 (C1), Lunareta_250 (C1), Maguvora_254 (C1), Mangeria_253 (C1), Matsumoto_251 (C1), Maturis_247 (C1), McGee_255 (C1), Melpomini_248 (C1), Mikro_247 (C1), Momo_255 (C1), Montpel_250 (C1), Morizzled23_251 (C1), Naija_254 (C1), Napoleon13_250 (C1), Naval22_260 (C1), Ngannou_248 (C1), Nidhogg_254 (C1), NoodleTree_249 (C1), Patter_255 (C1), PharkleMinkus_254 (C1), Phlegm_258 (C1), Phusco_252 (C1),

Pier_252 (C1), Pinkcreek_233 (C1), Pivoine_254 (C1), Primadonna_249 (C1), Puhon_254 (C1), Pupusa_256 (C1), QBert_245 (C1), Quasimodo_256 (C1), Rabinovish_246 (C1), Rahel_255 (C1), Rizal_242 (C1), RoMag_248 (C1), Rocha_249 (C1), Ronan_249 (C1), Sauce_250 (C1), ScottMcG_245 (C1), Shaqnato_244 (C1), SilverDipper_258 (C1), SiwenD96_256 (C1), SmallFry_254 (C1), SoilZilla_246 (C1), Spec_248 (C1), Specks_258 (C1), Sprinklers_251 (C1), Spud_245 (C1), StephanieG_247 (C1), StubbySaigey_260 (C1), Stubby_236 (C1), Substance289_249 (C1), Tainan_253 (C1), Teardrop_252 (C1), Trinitium_250 (C1), Turret_244 (C1), ValleyTerrace_254 (C1), Wally_251 (C1), Willis_254 (C1), Yassified_249 (C1), YoungMoneyMata_253 (C1), ZygoTaiga_250 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: AA, C1,

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

Info for manual annotations of cluster C1:
•Start number 3 was manually annotated 1 time for cluster C1.
•Start number 4 was manually annotated 126 times for cluster C1.

Gene Information:

Gene: Ablatia_253 Start: 145237, Stop: 148260, Start Num: 4
Candidate Starts for Ablatia_253:
(1, 144955), (Start: 4 @145237 has 126 MA's), (5, 145303), (6, 145345), (7, 145369), (8, 145387), (9, 145426), (11, 145498), (12, 145513), (14, 145570), (15, 145576), (16, 145603), (19, 145678), (20, 145690), (23, 145765), (24, 145768), (29, 145876), (33, 145987), (35, 146074), (36, 146104), (37, 146122), (39, 146146), (41, 146161), (50, 146452), (51, 146512), (53, 146560), (54, 146569), (56, 146641), (58, 146743), (60, 146788), (62, 146818), (63, 146881), (64, 146896), (72, 147055), (73, 147079), (74, 147136), (77, 147223), (80, 147331), (81, 147391), (86, 147502), (87, 147514), (89, 147565), (92, 147622), (97, 147769), (101, 147892), (102, 147919), (103, 147922), (104, 147925), (105, 147928), (107, 147985), (108, 148033), (110, 148093), (111, 148102), (112, 148213),

Gene: Ading_256 Start: 147670, Stop: 150693, Start Num: 4
Candidate Starts for Ading_256:
(1, 147388), (Start: 4 @147670 has 126 MA's), (5, 147736), (6, 147778), (7, 147802), (8, 147820), (9, 147859), (11, 147931), (12, 147946), (14, 148003), (15, 148009), (16, 148036), (19, 148111), (20, 148123), (23, 148198), (24, 148201), (29, 148309), (33, 148420), (35, 148507), (36, 148537), (37, 148555), (39, 148579), (41, 148594), (50, 148885), (51, 148945), (53, 148993), (54, 149002), (56, 149074), (58, 149176), (60, 149221), (62, 149251), (63, 149314), (64, 149329), (72, 149488), (73, 149512), (74, 149569), (77, 149656), (80, 149764), (86, 149935), (87, 149947), (89, 149998), (92, 150055), (97, 150202), (101, 150325), (102, 150352), (103, 150355), (104, 150358), (105, 150361), (107, 150418), (108, 150466), (110, 150526), (111, 150535), (112, 150646),

Gene: Alice_239 Start: 142901, Stop: 145924, Start Num: 4
Candidate Starts for Alice_239:
(Start: 4 @142901 has 126 MA's), (5, 142967), (6, 143009), (7, 143033), (8, 143051), (9, 143090), (11, 143162), (12, 143177), (14, 143234), (15, 143240), (16, 143267), (19, 143342), (20, 143354), (23, 143429), (24, 143432), (29, 143540), (33, 143651), (35, 143738), (36, 143768), (37, 143786), (39,

143810), (41, 143825), (50, 144116), (51, 144176), (53, 144224), (54, 144233), (55, 144257), (58, 144407), (60, 144452), (62, 144482), (63, 144545), (64, 144560), (72, 144719), (73, 144743), (74, 144800), (77, 144887), (80, 144995), (81, 145055), (86, 145166), (87, 145178), (88, 145187), (89, 145229), (92, 145286), (97, 145433), (101, 145556), (102, 145583), (103, 145586), (104, 145589), (105, 145592), (107, 145649), (108, 145697), (110, 145757), (111, 145766), (112, 145877),

Gene: Amataga_254 Start: 144824, Stop: 147847, Start Num: 4
Candidate Starts for Amataga_254:
(1, 144542), (Start: 4 @144824 has 126 MA's), (5, 144890), (6, 144932), (7, 144956), (8, 144974), (9, 145013), (11, 145085), (12, 145100), (14, 145157), (15, 145163), (16, 145190), (19, 145265), (20, 145277), (23, 145352), (24, 145355), (29, 145463), (33, 145574), (35, 145661), (36, 145691), (37, 145709), (39, 145733), (41, 145748), (50, 146039), (51, 146099), (53, 146147), (54, 146156), (56, 146228), (58, 146330), (60, 146375), (62, 146405), (63, 146468), (64, 146483), (72, 146642), (73, 146666), (74, 146723), (77, 146810), (80, 146918), (86, 147089), (87, 147101), (89, 147152), (92, 147209), (97, 147356), (101, 147479), (102, 147506), (103, 147509), (104, 147512), (105, 147515), (107, 147572), (108, 147620), (110, 147680), (111, 147689), (112, 147800),

Gene: ArcherS7_254 Start: 146569, Stop: 149592, Start Num: 4
Candidate Starts for ArcherS7_254:
(1, 146287), (Start: 4 @146569 has 126 MA's), (5, 146635), (6, 146677), (7, 146701), (8, 146719), (9, 146758), (11, 146830), (12, 146845), (14, 146902), (15, 146908), (16, 146935), (19, 147010), (20, 147022), (23, 147097), (24, 147100), (29, 147208), (31, 147292), (33, 147319), (35, 147406), (36, 147436), (37, 147454), (39, 147478), (41, 147493), (50, 147784), (51, 147844), (53, 147892), (54, 147901), (56, 147973), (58, 148075), (60, 148120), (62, 148150), (63, 148213), (64, 148228), (72, 148387), (73, 148411), (74, 148468), (77, 148555), (80, 148663), (81, 148723), (86, 148834), (87, 148846), (88, 148855), (89, 148897), (92, 148954), (94, 149086), (97, 149101), (101, 149224), (102, 149251), (103, 149254), (104, 149257), (105, 149260), (107, 149317), (108, 149365), (110, 149425), (111, 149434), (112, 149545),

Gene: Astraea_249 Start: 144877, Stop: 147900, Start Num: 4
Candidate Starts for Astraea_249:
(1, 144595), (Start: 4 @144877 has 126 MA's), (5, 144943), (6, 144985), (7, 145009), (8, 145027), (9, 145066), (11, 145138), (12, 145153), (14, 145210), (15, 145216), (16, 145243), (19, 145318), (20, 145330), (23, 145405), (24, 145408), (29, 145516), (31, 145600), (33, 145627), (35, 145714), (36, 145744), (37, 145762), (39, 145786), (41, 145801), (50, 146092), (51, 146152), (53, 146200), (54, 146209), (55, 146233), (58, 146383), (60, 146428), (62, 146458), (63, 146521), (64, 146536), (72, 146695), (73, 146719), (74, 146776), (77, 146863), (80, 146971), (81, 147031), (86, 147142), (87, 147154), (89, 147205), (92, 147262), (97, 147409), (101, 147532), (102, 147559), (103, 147562), (104, 147565), (105, 147568), (107, 147625), (108, 147673), (110, 147733), (111, 147742), (112, 147853),

Gene: Atlantean_253 Start: 144824, Stop: 147847, Start Num: 4
Candidate Starts for Atlantean_253:
(1, 144542), (Start: 4 @144824 has 126 MA's), (5, 144890), (6, 144932), (7, 144956), (8, 144974), (9, 145013), (11, 145085), (12, 145100), (14, 145157), (15, 145163), (16, 145190), (19, 145265), (20, 145277), (23, 145352), (24, 145355), (29, 145463), (33, 145574), (35, 145661), (36, 145691), (37, 145709), (39, 145733), (41, 145748), (50, 146039), (51, 146099), (53, 146147), (54, 146156), (56, 146228), (58, 146330), (60, 146375), (62, 146405), (63, 146468), (64, 146483), (72, 146642), (73, 146666), (74, 146723), (77, 146810), (80, 146918), (86, 147089), (87, 147101), (89, 147152), (92, 147209), (97, 147356), (101, 147479), (102, 147506), (103, 147509), (104, 147512), (105, 147515), (107, 147572), (108, 147620), (110, 147680), (111, 147689), (112, 147800),

Gene: Audrick_256 Start: 144714, Stop: 147737, Start Num: 4
Candidate Starts for Audrick_256:

(1, 144432), (Start: 4 @144714 has 126 MA's), (5, 144780), (6, 144822), (7, 144846), (8, 144864), (9, 144903), (11, 144975), (12, 144990), (14, 145047), (15, 145053), (16, 145080), (19, 145155), (20, 145167), (23, 145242), (24, 145245), (29, 145353), (33, 145464), (35, 145551), (36, 145581), (37, 145599), (39, 145623), (41, 145638), (50, 145929), (51, 145989), (53, 146037), (54, 146046), (56, 146118), (58, 146220), (60, 146265), (62, 146295), (63, 146358), (64, 146373), (72, 146532), (73, 146556), (74, 146613), (77, 146700), (80, 146808), (86, 146979), (87, 146991), (89, 147042), (92, 147099), (97, 147246), (101, 147369), (102, 147396), (103, 147399), (104, 147402), (105, 147405), (107, 147462), (108, 147510), (110, 147570), (111, 147579), (112, 147690),

Gene: Babyland_256 Start: 145601, Stop: 148624, Start Num: 4
Candidate Starts for Babyland_256:
(1, 145319), (Start: 4 @145601 has 126 MA's), (5, 145667), (6, 145709), (7, 145733), (8, 145751), (9, 145790), (11, 145862), (12, 145877), (14, 145934), (15, 145940), (16, 145967), (19, 146042), (20, 146054), (23, 146129), (24, 146132), (29, 146240), (33, 146351), (35, 146438), (36, 146468), (37, 146486), (39, 146510), (41, 146525), (50, 146816), (51, 146876), (53, 146924), (54, 146933), (56, 147005), (58, 147107), (60, 147152), (62, 147182), (63, 147245), (64, 147260), (72, 147419), (73, 147443), (74, 147500), (77, 147587), (80, 147695), (86, 147866), (87, 147878), (89, 147929), (92, 147986), (97, 148133), (101, 148256), (102, 148283), (103, 148286), (104, 148289), (105, 148292), (107, 148349), (108, 148397), (110, 148457), (111, 148466), (112, 148577),

Gene: BackyardAgain_248 Start: 142974, Stop: 145997, Start Num: 4
Candidate Starts for BackyardAgain_248:
(1, 142692), (Start: 4 @142974 has 126 MA's), (5, 143040), (6, 143082), (7, 143106), (8, 143124), (9, 143163), (11, 143235), (12, 143250), (14, 143307), (15, 143313), (16, 143340), (19, 143415), (20, 143427), (23, 143502), (24, 143505), (29, 143613), (33, 143724), (35, 143811), (36, 143841), (37, 143859), (39, 143883), (41, 143898), (50, 144189), (51, 144249), (53, 144297), (54, 144306), (56, 144378), (58, 144480), (60, 144525), (62, 144555), (63, 144618), (64, 144633), (72, 144792), (73, 144816), (74, 144873), (77, 144960), (80, 145068), (81, 145128), (86, 145239), (87, 145251), (89, 145302), (92, 145359), (97, 145506), (101, 145629), (102, 145656), (103, 145659), (104, 145662), (105, 145665), (107, 145722), (108, 145770), (110, 145830), (111, 145839), (112, 145950),

Gene: BadAgartude_247 Start: 144886, Stop: 147909, Start Num: 4
Candidate Starts for BadAgartude_247:
(1, 144604), (Start: 4 @144886 has 126 MA's), (5, 144952), (6, 144994), (7, 145018), (8, 145036), (9, 145075), (11, 145147), (12, 145162), (14, 145219), (15, 145225), (16, 145252), (19, 145327), (20, 145339), (23, 145414), (24, 145417), (29, 145525), (31, 145609), (33, 145636), (35, 145723), (36, 145753), (37, 145771), (39, 145795), (41, 145810), (50, 146101), (51, 146161), (53, 146209), (54, 146218), (55, 146242), (58, 146392), (60, 146437), (62, 146467), (63, 146530), (64, 146545), (72, 146704), (73, 146728), (74, 146785), (77, 146872), (80, 146980), (81, 147040), (86, 147151), (87, 147163), (88, 147172), (89, 147214), (92, 147271), (94, 147403), (97, 147418), (101, 147541), (102, 147568), (103, 147571), (104, 147574), (105, 147577), (107, 147634), (108, 147682), (110, 147742), (111, 147751), (112, 147862),

Gene: BananaFence_251 Start: 145506, Stop: 148529, Start Num: 4
Candidate Starts for BananaFence_251:
(1, 145224), (Start: 4 @145506 has 126 MA's), (5, 145572), (6, 145614), (7, 145638), (8, 145656), (9, 145695), (11, 145767), (12, 145782), (14, 145839), (15, 145845), (16, 145872), (19, 145947), (20, 145959), (23, 146034), (24, 146037), (29, 146145), (33, 146256), (35, 146343), (36, 146373), (37, 146391), (39, 146415), (41, 146430), (50, 146721), (51, 146781), (53, 146829), (54, 146838), (55, 146862), (58, 147012), (60, 147057), (62, 147087), (63, 147150), (64, 147165), (72, 147324), (73, 147348), (74, 147405), (77, 147492), (80, 147600), (81, 147660), (86, 147771), (87, 147783), (88, 147792), (89, 147834), (92, 147891), (94, 148023), (97, 148038), (101, 148161), (102, 148188), (103, 148191), (104, 148194), (105, 148197), (107, 148254), (108, 148302), (110, 148362), (111, 148371),

(112, 148482),

Gene: Basquiat_251 Start: 143792, Stop: 146815, Start Num: 4
Candidate Starts for Basquiat_251:
(1, 143510), (Start: 4 @143792 has 126 MA's), (5, 143858), (6, 143900), (7, 143924), (8, 143942), (9, 143981), (11, 144053), (12, 144068), (14, 144125), (15, 144131), (16, 144158), (19, 144233), (20, 144245), (23, 144320), (24, 144323), (29, 144431), (31, 144515), (33, 144542), (35, 144629), (36, 144659), (37, 144677), (39, 144701), (41, 144716), (50, 145007), (51, 145067), (53, 145115), (54, 145124), (56, 145196), (58, 145298), (60, 145343), (62, 145373), (63, 145436), (64, 145451), (72, 145610), (73, 145634), (74, 145691), (77, 145778), (80, 145886), (81, 145946), (86, 146057), (87, 146069), (89, 146120), (92, 146177), (97, 146324), (101, 146447), (102, 146474), (103, 146477), (104, 146480), (105, 146483), (107, 146540), (108, 146588), (110, 146648), (111, 146657), (112, 146768),

Gene: Belieber_247 Start: 143919, Stop: 146942, Start Num: 4
Candidate Starts for Belieber_247:
(1, 143637), (Start: 4 @143919 has 126 MA's), (5, 143985), (6, 144027), (7, 144051), (8, 144069), (9, 144108), (11, 144180), (12, 144195), (14, 144252), (15, 144258), (16, 144285), (19, 144360), (20, 144372), (23, 144447), (24, 144450), (29, 144558), (33, 144669), (35, 144756), (36, 144786), (37, 144804), (39, 144828), (41, 144843), (50, 145134), (51, 145194), (53, 145242), (54, 145251), (56, 145323), (58, 145425), (60, 145470), (62, 145500), (63, 145563), (64, 145578), (72, 145737), (73, 145761), (74, 145818), (77, 145905), (80, 146013), (81, 146073), (86, 146184), (87, 146196), (88, 146205), (89, 146247), (92, 146304), (94, 146436), (97, 146451), (101, 146574), (102, 146601), (103, 146604), (104, 146607), (105, 146610), (107, 146667), (108, 146715), (110, 146775), (111, 146784), (112, 146895),

Gene: Blackbrain_252 Start: 145569, Stop: 148592, Start Num: 4
Candidate Starts for Blackbrain_252:
(1, 145287), (Start: 4 @145569 has 126 MA's), (5, 145635), (6, 145677), (7, 145701), (8, 145719), (9, 145758), (11, 145830), (12, 145845), (14, 145902), (15, 145908), (16, 145935), (19, 146010), (20, 146022), (23, 146097), (24, 146100), (29, 146208), (31, 146292), (33, 146319), (35, 146406), (36, 146436), (37, 146454), (39, 146478), (41, 146493), (50, 146784), (51, 146844), (53, 146892), (54, 146901), (56, 146973), (58, 147075), (60, 147120), (62, 147150), (63, 147213), (64, 147228), (72, 147387), (73, 147411), (74, 147468), (77, 147555), (80, 147663), (81, 147723), (86, 147834), (87, 147846), (89, 147897), (92, 147954), (97, 148101), (101, 148224), (102, 148251), (103, 148254), (104, 148257), (105, 148260), (107, 148317), (108, 148365), (110, 148425), (111, 148434), (112, 148545),

Gene: Blackdragon_248 Start: 145117, Stop: 148140, Start Num: 4
Candidate Starts for Blackdragon_248:
(1, 144835), (Start: 4 @145117 has 126 MA's), (5, 145183), (6, 145225), (7, 145249), (8, 145267), (9, 145306), (11, 145378), (12, 145393), (14, 145450), (15, 145456), (16, 145483), (19, 145558), (20, 145570), (23, 145645), (24, 145648), (29, 145756), (31, 145840), (33, 145867), (35, 145954), (36, 145984), (37, 146002), (39, 146026), (41, 146041), (50, 146332), (51, 146392), (53, 146440), (54, 146449), (56, 146521), (58, 146623), (60, 146668), (62, 146698), (63, 146761), (64, 146776), (72, 146935), (73, 146959), (74, 147016), (77, 147103), (80, 147211), (81, 147271), (86, 147382), (87, 147394), (89, 147445), (92, 147502), (97, 147649), (101, 147772), (102, 147799), (103, 147802), (104, 147805), (105, 147808), (107, 147865), (108, 147913), (110, 147973), (111, 147982), (112, 148093),

Gene: Blubba_241 Start: 148830, Stop: 151853, Start Num: 4
Candidate Starts for Blubba_241:
(Start: 4 @148830 has 126 MA's), (5, 148896), (6, 148938), (7, 148962), (8, 148980), (9, 149019), (11, 149091), (12, 149106), (14, 149163), (15, 149169), (16, 149196), (19, 149271), (20, 149283), (23, 149358), (24, 149361), (29, 149469), (33, 149580), (35, 149667), (36, 149697), (37, 149715), (39, 149739), (41, 149754), (50, 150045), (51, 150105), (53, 150153), (54, 150162), (55, 150186), (58,

150336), (60, 150381), (62, 150411), (63, 150474), (64, 150489), (72, 150648), (73, 150672), (74, 150729), (77, 150816), (80, 150924), (81, 150984), (86, 151095), (87, 151107), (88, 151116), (89, 151158), (92, 151215), (97, 151362), (101, 151485), (102, 151512), (103, 151515), (104, 151518), (105, 151521), (107, 151578), (108, 151626), (110, 151686), (111, 151695), (112, 151806),

Gene: BobaPhatt_247 Start: 144687, Stop: 147710, Start Num: 4
Candidate Starts for BobaPhatt_247:
(1, 144405), (Start: 4 @144687 has 126 MA's), (5, 144753), (6, 144795), (7, 144819), (8, 144837), (9, 144876), (11, 144948), (12, 144963), (14, 145020), (15, 145026), (16, 145053), (19, 145128), (20, 145140), (23, 145215), (24, 145218), (29, 145326), (33, 145437), (35, 145524), (36, 145554), (37, 145572), (39, 145596), (41, 145611), (50, 145902), (51, 145962), (53, 146010), (54, 146019), (56, 146091), (58, 146193), (60, 146238), (62, 146268), (63, 146331), (64, 146346), (72, 146505), (73, 146529), (74, 146586), (77, 146673), (80, 146781), (81, 146841), (86, 146952), (87, 146964), (89, 147015), (92, 147072), (97, 147219), (101, 147342), (102, 147369), (103, 147372), (104, 147375), (105, 147378), (107, 147435), (108, 147483), (110, 147543), (111, 147552), (112, 147663),

Gene: Bonray_256 Start: 147369, Stop: 150392, Start Num: 4
Candidate Starts for Bonray_256:
(1, 147087), (Start: 4 @147369 has 126 MA's), (5, 147435), (6, 147477), (7, 147501), (8, 147519), (9, 147558), (11, 147630), (12, 147645), (14, 147702), (15, 147708), (16, 147735), (19, 147810), (20, 147822), (23, 147897), (24, 147900), (29, 148008), (31, 148092), (33, 148119), (35, 148206), (36, 148236), (37, 148254), (39, 148278), (41, 148293), (50, 148584), (51, 148644), (53, 148692), (54, 148701), (56, 148773), (58, 148875), (60, 148920), (62, 148950), (63, 149013), (64, 149028), (72, 149187), (73, 149211), (74, 149268), (77, 149355), (80, 149463), (81, 149523), (86, 149634), (87, 149646), (88, 149655), (89, 149697), (92, 149754), (97, 149901), (101, 150024), (102, 150051), (103, 150054), (104, 150057), (105, 150060), (107, 150117), (108, 150165), (110, 150225), (111, 150234), (112, 150345),

Gene: Bowman_255 Start: 146484, Stop: 149507, Start Num: 4
Candidate Starts for Bowman_255:
(1, 146202), (Start: 4 @146484 has 126 MA's), (5, 146550), (6, 146592), (7, 146616), (8, 146634), (9, 146673), (11, 146745), (12, 146760), (14, 146817), (15, 146823), (16, 146850), (19, 146925), (20, 146937), (23, 147012), (24, 147015), (29, 147123), (31, 147207), (33, 147234), (35, 147321), (36, 147351), (37, 147369), (39, 147393), (41, 147408), (50, 147699), (51, 147759), (53, 147807), (54, 147816), (55, 147840), (58, 147990), (60, 148035), (62, 148065), (63, 148128), (64, 148143), (72, 148302), (73, 148326), (74, 148383), (77, 148470), (80, 148578), (81, 148638), (86, 148749), (87, 148761), (88, 148770), (89, 148812), (92, 148869), (94, 149001), (97, 149016), (101, 149139), (102, 149166), (103, 149169), (104, 149172), (105, 149175), (107, 149232), (108, 149280), (110, 149340), (111, 149349), (112, 149460),

Gene: Breeniome_253 Start: 144324, Stop: 147347, Start Num: 4
Candidate Starts for Breeniome_253:
(1, 144042), (Start: 4 @144324 has 126 MA's), (5, 144390), (6, 144432), (7, 144456), (8, 144474), (9, 144513), (11, 144585), (12, 144600), (14, 144657), (15, 144663), (16, 144690), (19, 144765), (20, 144777), (23, 144852), (24, 144855), (29, 144963), (31, 145047), (33, 145074), (35, 145161), (36, 145191), (37, 145209), (39, 145233), (41, 145248), (50, 145539), (51, 145599), (53, 145647), (54, 145656), (56, 145728), (58, 145830), (60, 145875), (62, 145905), (63, 145968), (64, 145983), (72, 146142), (73, 146166), (74, 146223), (77, 146310), (80, 146418), (81, 146478), (86, 146589), (87, 146601), (88, 146610), (89, 146652), (92, 146709), (94, 146841), (97, 146856), (101, 146979), (102, 147006), (103, 147009), (104, 147012), (105, 147015), (107, 147072), (108, 147120), (110, 147180), (111, 147189), (112, 147300),

Gene: Cactojaque_248 Start: 144515, Stop: 147538, Start Num: 4

Candidate Starts for Cactojaque_248:
(1, 144233), (Start: 4 @144515 has 126 MA's), (5, 144581), (6, 144623), (7, 144647), (8, 144665), (9, 144704), (11, 144776), (12, 144791), (14, 144848), (15, 144854), (16, 144881), (19, 144956), (20, 144968), (23, 145043), (24, 145046), (29, 145154), (31, 145238), (33, 145265), (35, 145352), (36, 145382), (37, 145400), (39, 145424), (41, 145439), (50, 145730), (51, 145790), (53, 145838), (54, 145847), (56, 145919), (58, 146021), (60, 146066), (62, 146096), (63, 146159), (64, 146174), (72, 146333), (73, 146357), (74, 146414), (77, 146501), (80, 146609), (81, 146669), (86, 146780), (87, 146792), (89, 146843), (92, 146900), (97, 147047), (101, 147170), (102, 147197), (103, 147200), (104, 147203), (105, 147206), (107, 147263), (108, 147311), (110, 147371), (111, 147380), (112, 147491),

Gene: Cali_243 Start: 145294, Stop: 148317, Start Num: 4
Candidate Starts for Cali_243:
(Start: 4 @145294 has 126 MA's), (5, 145360), (6, 145402), (7, 145426), (8, 145444), (9, 145483), (11, 145555), (12, 145570), (14, 145627), (15, 145633), (16, 145660), (19, 145735), (20, 145747), (23, 145822), (24, 145825), (29, 145933), (31, 146017), (33, 146044), (35, 146131), (36, 146161), (37, 146179), (39, 146203), (41, 146218), (50, 146509), (51, 146569), (53, 146617), (54, 146626), (56, 146698), (58, 146800), (60, 146845), (62, 146875), (63, 146938), (64, 146953), (72, 147112), (73, 147136), (74, 147193), (77, 147280), (80, 147388), (81, 147448), (86, 147559), (87, 147571), (88, 147580), (89, 147622), (92, 147679), (94, 147811), (97, 147826), (101, 147949), (102, 147976), (103, 147979), (104, 147982), (105, 147985), (107, 148042), (108, 148090), (110, 148150), (111, 148159), (112, 148270),

Gene: Cane17_243 Start: 149239, Stop: 152262, Start Num: 4
Candidate Starts for Cane17_243:
(Start: 4 @149239 has 126 MA's), (5, 149305), (6, 149347), (7, 149371), (8, 149389), (9, 149428), (11, 149500), (12, 149515), (14, 149572), (15, 149578), (16, 149605), (19, 149680), (20, 149692), (23, 149767), (24, 149770), (29, 149878), (31, 149962), (33, 149989), (35, 150076), (36, 150106), (37, 150124), (39, 150148), (41, 150163), (50, 150454), (51, 150514), (54, 150571), (55, 150595), (58, 150745), (60, 150790), (62, 150820), (63, 150883), (64, 150898), (72, 151057), (73, 151081), (74, 151138), (77, 151225), (80, 151333), (81, 151393), (86, 151504), (87, 151516), (88, 151525), (89, 151567), (92, 151624), (97, 151771), (101, 151894), (102, 151921), (103, 151924), (104, 151927), (105, 151930), (107, 151987), (108, 152035), (110, 152095), (111, 152104), (112, 152215),

Gene: Capablanca_258 Start: 147548, Stop: 150571, Start Num: 4
Candidate Starts for Capablanca_258:
(1, 147266), (Start: 4 @147548 has 126 MA's), (5, 147614), (6, 147656), (7, 147680), (8, 147698), (9, 147737), (11, 147809), (12, 147824), (14, 147881), (15, 147887), (16, 147914), (19, 147989), (20, 148001), (23, 148076), (24, 148079), (29, 148187), (31, 148271), (33, 148298), (35, 148385), (36, 148415), (37, 148433), (39, 148457), (41, 148472), (50, 148763), (51, 148823), (53, 148871), (54, 148880), (56, 148952), (58, 149054), (60, 149099), (62, 149129), (63, 149192), (64, 149207), (72, 149366), (73, 149390), (74, 149447), (77, 149534), (80, 149642), (81, 149702), (86, 149813), (87, 149825), (88, 149834), (89, 149876), (92, 149933), (94, 150065), (97, 150080), (101, 150203), (102, 150230), (103, 150233), (104, 150236), (105, 150239), (107, 150296), (108, 150344), (110, 150404), (111, 150413), (112, 150524),

Gene: Catera_242 Start: 144037, Stop: 147060, Start Num: 4
Candidate Starts for Catera_242:
(1, 143755), (Start: 4 @144037 has 126 MA's), (5, 144103), (6, 144145), (7, 144169), (8, 144187), (9, 144226), (11, 144298), (12, 144313), (14, 144370), (15, 144376), (16, 144403), (19, 144478), (20, 144490), (23, 144565), (24, 144568), (29, 144676), (33, 144787), (35, 144874), (36, 144904), (37, 144922), (39, 144946), (41, 144961), (50, 145252), (51, 145312), (53, 145360), (54, 145369), (56, 145441), (58, 145543), (60, 145588), (62, 145618), (63, 145681), (64, 145696), (72, 145855), (73, 145879), (74, 145936), (77, 146023), (80, 146131), (81, 146191), (86, 146302), (87, 146314), (89,

146365), (92, 146422), (97, 146569), (101, 146692), (102, 146719), (103, 146722), (104, 146725), (105, 146728), (107, 146785), (108, 146833), (110, 146893), (111, 146902), (112, 147013),

Gene: Chargie21_251 Start: 143792, Stop: 146815, Start Num: 4
Candidate Starts for Chargie21_251:
(1, 143510), (Start: 4 @143792 has 126 MA's), (5, 143858), (6, 143900), (7, 143924), (8, 143942), (9, 143981), (11, 144053), (12, 144068), (14, 144125), (15, 144131), (16, 144158), (19, 144233), (20, 144245), (23, 144320), (24, 144323), (29, 144431), (31, 144515), (33, 144542), (35, 144629), (36, 144659), (37, 144677), (39, 144701), (41, 144716), (50, 145007), (51, 145067), (53, 145115), (54, 145124), (56, 145196), (58, 145298), (60, 145343), (62, 145373), (63, 145436), (64, 145451), (72, 145610), (73, 145634), (74, 145691), (77, 145778), (80, 145886), (81, 145946), (86, 146057), (87, 146069), (89, 146120), (92, 146177), (97, 146324), (101, 146447), (102, 146474), (103, 146477), (104, 146480), (105, 146483), (107, 146540), (108, 146588), (110, 146648), (111, 146657), (112, 146768),

Gene: CharlieB_248 Start: 145060, Stop: 148083, Start Num: 4
Candidate Starts for CharlieB_248:
(1, 144778), (Start: 4 @145060 has 126 MA's), (5, 145126), (6, 145168), (7, 145192), (8, 145210), (9, 145249), (11, 145321), (12, 145336), (14, 145393), (15, 145399), (16, 145426), (19, 145501), (20, 145513), (23, 145588), (24, 145591), (29, 145699), (31, 145783), (33, 145810), (35, 145897), (36, 145927), (37, 145945), (39, 145969), (41, 145984), (50, 146275), (51, 146335), (53, 146383), (54, 146392), (56, 146464), (58, 146566), (60, 146611), (62, 146641), (63, 146704), (64, 146719), (72, 146878), (73, 146902), (74, 146959), (77, 147046), (80, 147154), (81, 147214), (86, 147325), (87, 147337), (88, 147346), (89, 147388), (92, 147445), (94, 147577), (97, 147592), (101, 147715), (102, 147742), (103, 147745), (104, 147748), (105, 147751), (107, 147808), (108, 147856), (110, 147916), (111, 147925), (112, 148036),

Gene: ChaylaJr_252 Start: 144734, Stop: 147757, Start Num: 4
Candidate Starts for ChaylaJr_252:
(1, 144452), (Start: 4 @144734 has 126 MA's), (5, 144800), (6, 144842), (7, 144866), (8, 144884), (9, 144923), (11, 144995), (12, 145010), (14, 145067), (15, 145073), (16, 145100), (19, 145175), (20, 145187), (23, 145262), (24, 145265), (29, 145373), (31, 145457), (33, 145484), (35, 145571), (36, 145601), (37, 145619), (39, 145643), (41, 145658), (50, 145949), (51, 146009), (53, 146057), (54, 146066), (56, 146138), (58, 146240), (60, 146285), (62, 146315), (63, 146378), (64, 146393), (72, 146552), (73, 146576), (74, 146633), (77, 146720), (80, 146828), (81, 146888), (86, 146999), (87, 147011), (89, 147062), (92, 147119), (97, 147266), (101, 147389), (102, 147416), (103, 147419), (104, 147422), (105, 147425), (107, 147482), (108, 147530), (110, 147590), (111, 147599), (112, 147710),

Gene: ChickenPhender_249 Start: 143490, Stop: 146513, Start Num: 4
Candidate Starts for ChickenPhender_249:
(1, 143208), (Start: 4 @143490 has 126 MA's), (5, 143556), (6, 143598), (7, 143622), (8, 143640), (9, 143679), (11, 143751), (12, 143766), (14, 143823), (15, 143829), (16, 143856), (19, 143931), (20, 143943), (23, 144018), (24, 144021), (29, 144129), (31, 144213), (33, 144240), (35, 144327), (36, 144357), (37, 144375), (39, 144399), (41, 144414), (50, 144705), (51, 144765), (53, 144813), (54, 144822), (56, 144894), (58, 144996), (60, 145041), (62, 145071), (63, 145134), (64, 145149), (72, 145308), (73, 145332), (74, 145389), (77, 145476), (80, 145584), (81, 145644), (86, 145755), (87, 145767), (89, 145818), (92, 145875), (97, 146022), (101, 146145), (102, 146172), (103, 146175), (104, 146178), (105, 146181), (107, 146238), (108, 146286), (110, 146346), (111, 146355), (112, 146466),

Gene: Chomp_252 Start: 146926, Stop: 149949, Start Num: 4
Candidate Starts for Chomp_252:
(1, 146644), (Start: 4 @146926 has 126 MA's), (5, 146992), (6, 147034), (7, 147058), (8, 147076), (9, 147115), (11, 147187), (12, 147202), (14, 147259), (15, 147265), (16, 147292), (19, 147367), (20, 147379), (23, 147454), (24, 147457), (29, 147565), (31, 147649), (33, 147676), (35, 147763), (36,

147793), (37, 147811), (39, 147835), (41, 147850), (50, 148141), (51, 148201), (53, 148249), (54, 148258), (56, 148330), (58, 148432), (60, 148477), (62, 148507), (63, 148570), (64, 148585), (72, 148744), (73, 148768), (74, 148825), (77, 148912), (80, 149020), (86, 149191), (87, 149203), (89, 149254), (92, 149311), (97, 149458), (101, 149581), (102, 149608), (103, 149611), (104, 149614), (105, 149617), (107, 149674), (108, 149722), (110, 149782), (111, 149791), (112, 149902),

Gene: CindyLou_254 Start: 147186, Stop: 150209, Start Num: 4
Candidate Starts for CindyLou_254:
(1, 146904), (Start: 4 @147186 has 126 MA's), (5, 147252), (6, 147294), (7, 147318), (8, 147336), (9, 147375), (11, 147447), (12, 147462), (14, 147519), (15, 147525), (16, 147552), (19, 147627), (20, 147639), (23, 147714), (24, 147717), (29, 147825), (33, 147936), (35, 148023), (36, 148053), (37, 148071), (39, 148095), (41, 148110), (50, 148401), (51, 148461), (53, 148509), (54, 148518), (56, 148590), (58, 148692), (60, 148737), (62, 148767), (63, 148830), (64, 148845), (72, 149004), (73, 149028), (74, 149085), (77, 149172), (80, 149280), (86, 149451), (87, 149463), (89, 149514), (92, 149571), (97, 149718), (101, 149841), (102, 149868), (103, 149871), (104, 149874), (105, 149877), (107, 149934), (108, 149982), (110, 150042), (111, 150051), (112, 150162),

Gene: Cleatunium_245 Start: 145196, Stop: 148219, Start Num: 4
Candidate Starts for Cleatunium_245:
(1, 144914), (Start: 4 @145196 has 126 MA's), (5, 145262), (6, 145304), (7, 145328), (8, 145346), (9, 145385), (11, 145457), (12, 145472), (14, 145529), (15, 145535), (16, 145562), (19, 145637), (20, 145649), (23, 145724), (24, 145727), (29, 145835), (31, 145919), (33, 145946), (35, 146033), (36, 146063), (37, 146081), (39, 146105), (41, 146120), (50, 146411), (51, 146471), (53, 146519), (54, 146528), (55, 146552), (58, 146702), (60, 146747), (62, 146777), (63, 146840), (64, 146855), (72, 147014), (73, 147038), (74, 147095), (77, 147182), (80, 147290), (81, 147350), (86, 147461), (87, 147473), (88, 147482), (89, 147524), (92, 147581), (94, 147713), (97, 147728), (101, 147851), (102, 147878), (103, 147881), (104, 147884), (105, 147887), (107, 147944), (108, 147992), (110, 148052), (111, 148061), (112, 148172),

Gene: Colt_244 Start: 148431, Stop: 151454, Start Num: 4
Candidate Starts for Colt_244:
(Start: 4 @148431 has 126 MA's), (5, 148497), (6, 148539), (7, 148563), (8, 148581), (9, 148620), (11, 148692), (12, 148707), (14, 148764), (15, 148770), (16, 148797), (19, 148872), (20, 148884), (23, 148959), (24, 148962), (29, 149070), (31, 149154), (33, 149181), (35, 149268), (36, 149298), (37, 149316), (39, 149340), (41, 149355), (50, 149646), (51, 149706), (53, 149754), (54, 149763), (55, 149787), (58, 149937), (60, 149982), (62, 150012), (63, 150075), (64, 150090), (72, 150249), (73, 150273), (74, 150330), (77, 150417), (80, 150525), (81, 150585), (86, 150696), (87, 150708), (88, 150717), (89, 150759), (92, 150816), (97, 150963), (101, 151086), (102, 151113), (103, 151116), (104, 151119), (105, 151122), (107, 151179), (108, 151227), (110, 151287), (111, 151296), (112, 151407),

Gene: Darko_253 Start: 145510, Stop: 148533, Start Num: 4
Candidate Starts for Darko_253:
(1, 145228), (Start: 4 @145510 has 126 MA's), (5, 145576), (6, 145618), (7, 145642), (8, 145660), (9, 145699), (11, 145771), (12, 145786), (14, 145843), (15, 145849), (16, 145876), (19, 145951), (20, 145963), (23, 146038), (24, 146041), (29, 146149), (33, 146260), (35, 146347), (36, 146377), (37, 146395), (39, 146419), (41, 146434), (50, 146725), (51, 146785), (53, 146833), (54, 146842), (55, 146866), (58, 147016), (60, 147061), (62, 147091), (63, 147154), (64, 147169), (72, 147328), (73, 147352), (74, 147409), (77, 147496), (80, 147604), (81, 147664), (86, 147775), (87, 147787), (88, 147796), (89, 147838), (92, 147895), (94, 148027), (97, 148042), (101, 148165), (102, 148192), (103, 148195), (104, 148198), (105, 148201), (107, 148258), (108, 148306), (110, 148366), (111, 148375), (112, 148486),

Gene: Derek_249 Start: 146203, Stop: 149226, Start Num: 4

Candidate Starts for Derek_249:
(1, 145921), (Start: 4 @146203 has 126 MA's), (5, 146269), (6, 146311), (7, 146335), (8, 146353), (9, 146392), (11, 146464), (12, 146479), (14, 146536), (15, 146542), (16, 146569), (19, 146644), (20, 146656), (23, 146731), (24, 146734), (29, 146842), (31, 146926), (33, 146953), (35, 147040), (36, 147070), (37, 147088), (39, 147112), (41, 147127), (50, 147418), (51, 147478), (53, 147526), (54, 147535), (56, 147607), (58, 147709), (60, 147754), (62, 147784), (63, 147847), (64, 147862), (72, 148021), (73, 148045), (74, 148102), (77, 148189), (80, 148297), (81, 148357), (86, 148468), (87, 148480), (88, 148489), (89, 148531), (92, 148588), (94, 148720), (97, 148735), (101, 148858), (102, 148885), (103, 148888), (104, 148891), (105, 148894), (107, 148951), (108, 148999), (110, 149059), (111, 149068), (112, 149179),

Gene: Dessert_254 Start: 145202, Stop: 148225, Start Num: 4
Candidate Starts for Dessert_254:
(1, 144920), (Start: 4 @145202 has 126 MA's), (5, 145268), (6, 145310), (7, 145334), (8, 145352), (9, 145391), (11, 145463), (12, 145478), (14, 145535), (15, 145541), (16, 145568), (19, 145643), (20, 145655), (23, 145730), (24, 145733), (29, 145841), (33, 145952), (35, 146039), (36, 146069), (37, 146087), (39, 146111), (41, 146126), (50, 146417), (51, 146477), (53, 146525), (54, 146534), (56, 146606), (58, 146708), (60, 146753), (62, 146783), (63, 146846), (64, 146861), (72, 147020), (73, 147044), (74, 147101), (77, 147188), (80, 147296), (86, 147467), (87, 147479), (89, 147530), (92, 147587), (97, 147734), (101, 147857), (102, 147884), (103, 147887), (104, 147890), (105, 147893), (107, 147950), (108, 147998), (110, 148058), (111, 148067), (112, 148178),

Gene: Dietrick_242 Start: 144066, Stop: 147089, Start Num: 4
Candidate Starts for Dietrick_242:
(1, 143784), (Start: 4 @144066 has 126 MA's), (5, 144132), (6, 144174), (7, 144198), (8, 144216), (9, 144255), (11, 144327), (12, 144342), (14, 144399), (15, 144405), (16, 144432), (19, 144507), (20, 144519), (23, 144594), (24, 144597), (29, 144705), (33, 144816), (35, 144903), (36, 144933), (37, 144951), (39, 144975), (41, 144990), (50, 145281), (51, 145341), (53, 145389), (54, 145398), (56, 145470), (58, 145572), (60, 145617), (62, 145647), (63, 145710), (64, 145725), (72, 145884), (73, 145908), (74, 145965), (77, 146052), (80, 146160), (81, 146220), (86, 146331), (87, 146343), (89, 146394), (92, 146451), (97, 146598), (101, 146721), (102, 146748), (103, 146751), (104, 146754), (105, 146757), (107, 146814), (108, 146862), (110, 146922), (111, 146931), (112, 147042),

Gene: DirtMonster_242 Start: 144798, Stop: 147821, Start Num: 4
Candidate Starts for DirtMonster_242:
(1, 144516), (Start: 4 @144798 has 126 MA's), (5, 144864), (6, 144906), (7, 144930), (8, 144948), (9, 144987), (11, 145059), (12, 145074), (14, 145131), (15, 145137), (16, 145164), (19, 145239), (20, 145251), (23, 145326), (24, 145329), (29, 145437), (31, 145521), (33, 145548), (35, 145635), (37, 145683), (38, 145698), (39, 145707), (41, 145722), (50, 146013), (51, 146073), (53, 146121), (54, 146130), (55, 146154), (58, 146304), (60, 146349), (62, 146379), (63, 146442), (64, 146457), (72, 146616), (73, 146640), (74, 146697), (77, 146784), (80, 146892), (81, 146952), (86, 147063), (87, 147075), (89, 147126), (92, 147183), (97, 147330), (101, 147453), (102, 147480), (103, 147483), (104, 147486), (105, 147489), (107, 147546), (108, 147594), (110, 147654), (111, 147663), (112, 147774),

Gene: Domi_247 Start: 145405, Stop: 148428, Start Num: 4
Candidate Starts for Domi_247:
(1, 145123), (Start: 4 @145405 has 126 MA's), (5, 145471), (6, 145513), (7, 145537), (8, 145555), (9, 145594), (11, 145666), (12, 145681), (14, 145738), (15, 145744), (16, 145771), (19, 145846), (20, 145858), (23, 145933), (24, 145936), (29, 146044), (31, 146128), (33, 146155), (35, 146242), (36, 146272), (37, 146290), (39, 146314), (41, 146329), (50, 146620), (51, 146680), (53, 146728), (54, 146737), (55, 146761), (58, 146911), (60, 146956), (62, 146986), (63, 147049), (64, 147064), (72, 147223), (73, 147247), (74, 147304), (77, 147391), (80, 147499), (81, 147559), (86, 147670), (87, 147682), (89, 147733), (92, 147790), (97, 147937), (101, 148060), (102, 148087), (103, 148090), (104,

148093), (105, 148096), (107, 148153), (108, 148201), (110, 148261), (111, 148270), (112, 148381),

Gene: Drazdys_250 Start: 146210, Stop: 149233, Start Num: 4
Candidate Starts for Drazdys_250:
(1, 145928), (Start: 4 @146210 has 126 MA's), (5, 146276), (6, 146318), (7, 146342), (8, 146360), (9, 146399), (11, 146471), (12, 146486), (14, 146543), (15, 146549), (16, 146576), (19, 146651), (20, 146663), (23, 146738), (24, 146741), (29, 146849), (31, 146933), (33, 146960), (35, 147047), (36, 147077), (37, 147095), (39, 147119), (41, 147134), (50, 147425), (51, 147485), (53, 147533), (54, 147542), (56, 147614), (58, 147716), (60, 147761), (62, 147791), (63, 147854), (64, 147869), (72, 148028), (73, 148052), (74, 148109), (77, 148196), (80, 148304), (81, 148364), (86, 148475), (87, 148487), (88, 148496), (89, 148538), (92, 148595), (94, 148727), (97, 148742), (101, 148865), (102, 148892), (103, 148895), (104, 148898), (105, 148901), (107, 148958), (108, 149006), (110, 149066), (111, 149075), (112, 149186),

Gene: Duckfeet_247 Start: 145007, Stop: 148030, Start Num: 4
Candidate Starts for Duckfeet_247:
(Start: 4 @145007 has 126 MA's), (5, 145073), (6, 145115), (7, 145139), (8, 145157), (9, 145196), (11, 145268), (12, 145283), (14, 145340), (15, 145346), (16, 145373), (19, 145448), (20, 145460), (23, 145535), (24, 145538), (29, 145646), (31, 145730), (33, 145757), (35, 145844), (36, 145874), (37, 145892), (39, 145916), (41, 145931), (50, 146222), (51, 146282), (53, 146330), (54, 146339), (55, 146363), (58, 146513), (60, 146558), (62, 146588), (63, 146651), (64, 146666), (72, 146825), (73, 146849), (74, 146906), (77, 146993), (80, 147101), (81, 147161), (86, 147272), (87, 147284), (88, 147293), (89, 147335), (92, 147392), (94, 147524), (97, 147539), (101, 147662), (102, 147689), (103, 147692), (104, 147695), (105, 147698), (107, 147755), (108, 147803), (110, 147863), (111, 147872), (112, 147983),

Gene: ET08_239 Start: 144534, Stop: 147557, Start Num: 4
Candidate Starts for ET08_239:
(Start: 4 @144534 has 126 MA's), (5, 144600), (6, 144642), (7, 144666), (8, 144684), (9, 144723), (11, 144795), (12, 144810), (14, 144867), (15, 144873), (16, 144900), (19, 144975), (20, 144987), (23, 145062), (24, 145065), (29, 145173), (31, 145257), (33, 145284), (35, 145371), (36, 145401), (37, 145419), (39, 145443), (41, 145458), (50, 145749), (51, 145809), (53, 145857), (54, 145866), (55, 145890), (58, 146040), (60, 146085), (62, 146115), (63, 146178), (64, 146193), (72, 146352), (73, 146376), (74, 146433), (77, 146520), (80, 146628), (81, 146688), (86, 146799), (87, 146811), (88, 146820), (89, 146862), (92, 146919), (94, 147051), (97, 147066), (101, 147189), (102, 147216), (103, 147219), (104, 147222), (105, 147225), (107, 147282), (108, 147330), (110, 147390), (111, 147399), (112, 147510),

Gene: EasyJones_254 Start: 144586, Stop: 147609, Start Num: 4
Candidate Starts for EasyJones_254:
(1, 144304), (Start: 4 @144586 has 126 MA's), (5, 144652), (6, 144694), (7, 144718), (8, 144736), (9, 144775), (11, 144847), (12, 144862), (14, 144919), (15, 144925), (16, 144952), (19, 145027), (20, 145039), (23, 145114), (24, 145117), (29, 145225), (31, 145309), (33, 145336), (35, 145423), (36, 145453), (37, 145471), (39, 145495), (41, 145510), (50, 145801), (51, 145861), (53, 145909), (54, 145918), (56, 145990), (58, 146092), (60, 146137), (62, 146167), (63, 146230), (64, 146245), (72, 146404), (73, 146428), (74, 146485), (77, 146572), (80, 146680), (81, 146740), (86, 146851), (87, 146863), (89, 146914), (92, 146971), (97, 147118), (101, 147241), (102, 147268), (103, 147271), (104, 147274), (105, 147277), (107, 147334), (108, 147382), (110, 147442), (111, 147451), (112, 147562),

Gene: EmmaElysia_258 Start: 147081, Stop: 150104, Start Num: 4
Candidate Starts for EmmaElysia_258:
(1, 146799), (Start: 4 @147081 has 126 MA's), (5, 147147), (6, 147189), (7, 147213), (8, 147231), (9, 147270), (11, 147342), (12, 147357), (14, 147414), (15, 147420), (16, 147447), (19, 147522), (20,

147534), (23, 147609), (24, 147612), (29, 147720), (33, 147831), (35, 147918), (36, 147948), (37, 147966), (39, 147990), (41, 148005), (50, 148296), (51, 148356), (53, 148404), (54, 148413), (56, 148485), (58, 148587), (60, 148632), (62, 148662), (63, 148725), (64, 148740), (72, 148899), (73, 148923), (74, 148980), (77, 149067), (80, 149175), (81, 149235), (86, 149346), (87, 149358), (89, 149409), (92, 149466), (97, 149613), (101, 149736), (102, 149763), (103, 149766), (104, 149769), (105, 149772), (107, 149829), (108, 149877), (110, 149937), (111, 149946), (112, 150057),

Gene: ErnieJ_247 Start: 143214, Stop: 146237, Start Num: 4
Candidate Starts for ErnieJ_247:
(Start: 4 @143214 has 126 MA's), (5, 143280), (6, 143322), (7, 143346), (8, 143364), (9, 143403), (11, 143475), (12, 143490), (14, 143547), (15, 143553), (16, 143580), (19, 143655), (20, 143667), (23, 143742), (24, 143745), (29, 143853), (31, 143937), (33, 143964), (35, 144051), (36, 144081), (37, 144099), (39, 144123), (41, 144138), (50, 144429), (51, 144489), (53, 144537), (54, 144546), (56, 144618), (58, 144720), (60, 144765), (62, 144795), (63, 144858), (64, 144873), (72, 145032), (73, 145056), (74, 145113), (77, 145200), (80, 145308), (81, 145368), (86, 145479), (87, 145491), (89, 145542), (92, 145599), (97, 145746), (101, 145869), (102, 145896), (103, 145899), (104, 145902), (105, 145905), (107, 145962), (108, 146010), (110, 146070), (111, 146079), (112, 146190),

Gene: Essence_251 Start: 145422, Stop: 148445, Start Num: 4
Candidate Starts for Essence_251:
(1, 145140), (Start: 4 @145422 has 126 MA's), (5, 145488), (6, 145530), (7, 145554), (8, 145572), (9, 145611), (11, 145683), (12, 145698), (14, 145755), (15, 145761), (16, 145788), (19, 145863), (20, 145875), (23, 145950), (24, 145953), (29, 146061), (31, 146145), (33, 146172), (35, 146259), (36, 146289), (37, 146307), (39, 146331), (41, 146346), (50, 146637), (51, 146697), (53, 146745), (54, 146754), (56, 146826), (58, 146928), (60, 146973), (62, 147003), (63, 147066), (64, 147081), (72, 147240), (73, 147264), (74, 147321), (77, 147408), (80, 147516), (81, 147576), (86, 147687), (87, 147699), (89, 147750), (92, 147807), (97, 147954), (101, 148077), (102, 148104), (103, 148107), (104, 148110), (105, 148113), (107, 148170), (108, 148218), (110, 148278), (111, 148287), (112, 148398),

Gene: Fixie_246 Start: 146651, Stop: 149674, Start Num: 4
Candidate Starts for Fixie_246:
(1, 146369), (Start: 4 @146651 has 126 MA's), (5, 146717), (6, 146759), (7, 146783), (8, 146801), (9, 146840), (11, 146912), (12, 146927), (14, 146984), (15, 146990), (16, 147017), (19, 147092), (20, 147104), (23, 147179), (24, 147182), (29, 147290), (33, 147401), (35, 147488), (36, 147518), (37, 147536), (39, 147560), (41, 147575), (50, 147866), (51, 147926), (53, 147974), (54, 147983), (56, 148055), (58, 148157), (60, 148202), (62, 148232), (63, 148295), (64, 148310), (72, 148469), (73, 148493), (74, 148550), (77, 148637), (80, 148745), (81, 148805), (86, 148916), (87, 148928), (89, 148979), (92, 149036), (94, 149168), (97, 149183), (101, 149306), (102, 149333), (103, 149336), (104, 149339), (105, 149342), (107, 149399), (108, 149447), (110, 149507), (111, 149516), (112, 149627),

Gene: Flabslab_248 Start: 142479, Stop: 145502, Start Num: 4
Candidate Starts for Flabslab_248:
(1, 142197), (Start: 4 @142479 has 126 MA's), (5, 142545), (6, 142587), (7, 142611), (8, 142629), (9, 142668), (11, 142740), (12, 142755), (14, 142812), (15, 142818), (16, 142845), (19, 142920), (20, 142932), (23, 143007), (24, 143010), (29, 143118), (31, 143202), (33, 143229), (35, 143316), (36, 143346), (37, 143364), (39, 143388), (41, 143403), (50, 143694), (51, 143754), (53, 143802), (54, 143811), (56, 143883), (58, 143985), (60, 144030), (62, 144060), (63, 144123), (64, 144138), (72, 144297), (73, 144321), (74, 144378), (77, 144465), (80, 144573), (81, 144633), (86, 144744), (87, 144756), (88, 144765), (89, 144807), (92, 144864), (94, 144996), (97, 145011), (101, 145134), (102, 145161), (103, 145164), (104, 145167), (105, 145170), (107, 145227), (108, 145275), (110, 145335), (111, 145344), (112, 145455),

Gene: Fludd_253 Start: 144298, Stop: 147321, Start Num: 4

Candidate Starts for Fludd_253:
(1, 144016), (Start: 4 @144298 has 126 MA's), (5, 144364), (6, 144406), (7, 144430), (8, 144448), (9, 144487), (11, 144559), (12, 144574), (14, 144631), (15, 144637), (16, 144664), (19, 144739), (20, 144751), (23, 144826), (24, 144829), (29, 144937), (33, 145048), (35, 145135), (36, 145165), (37, 145183), (39, 145207), (41, 145222), (50, 145513), (51, 145573), (53, 145621), (54, 145630), (56, 145702), (58, 145804), (60, 145849), (62, 145879), (63, 145942), (64, 145957), (72, 146116), (73, 146140), (74, 146197), (77, 146284), (80, 146392), (86, 146563), (87, 146575), (89, 146626), (92, 146683), (97, 146830), (101, 146953), (102, 146980), (103, 146983), (104, 146986), (105, 146989), (107, 147046), (108, 147094), (110, 147154), (111, 147163), (112, 147274),

Gene: FrayBell_256 Start: 144429, Stop: 147452, Start Num: 4
Candidate Starts for FrayBell_256:
(1, 144147), (Start: 4 @144429 has 126 MA's), (5, 144495), (6, 144537), (7, 144561), (8, 144579), (9, 144618), (11, 144690), (12, 144705), (14, 144762), (15, 144768), (16, 144795), (19, 144870), (20, 144882), (23, 144957), (24, 144960), (29, 145068), (31, 145152), (33, 145179), (35, 145266), (36, 145296), (37, 145314), (39, 145338), (41, 145353), (50, 145644), (51, 145704), (53, 145752), (54, 145761), (55, 145785), (58, 145935), (60, 145980), (62, 146010), (63, 146073), (64, 146088), (72, 146247), (73, 146271), (74, 146328), (77, 146415), (80, 146523), (81, 146583), (86, 146694), (87, 146706), (88, 146715), (89, 146757), (92, 146814), (94, 146946), (97, 146961), (101, 147084), (102, 147111), (103, 147114), (104, 147117), (105, 147120), (107, 147177), (108, 147225), (110, 147285), (111, 147294), (112, 147405),

Gene: Gabriel_256 Start: 144457, Stop: 147480, Start Num: 4
Candidate Starts for Gabriel_256:
(1, 144175), (Start: 4 @144457 has 126 MA's), (5, 144523), (6, 144565), (7, 144589), (8, 144607), (9, 144646), (11, 144718), (12, 144733), (14, 144790), (15, 144796), (16, 144823), (19, 144898), (20, 144910), (23, 144985), (24, 144988), (29, 145096), (31, 145180), (33, 145207), (35, 145294), (36, 145324), (37, 145342), (39, 145366), (41, 145381), (50, 145672), (51, 145732), (53, 145780), (54, 145789), (56, 145861), (58, 145963), (60, 146008), (62, 146038), (63, 146101), (64, 146116), (72, 146275), (73, 146299), (74, 146356), (77, 146443), (80, 146551), (81, 146611), (86, 146722), (87, 146734), (88, 146743), (89, 146785), (92, 146842), (94, 146974), (97, 146989), (101, 147112), (102, 147139), (103, 147142), (104, 147145), (105, 147148), (107, 147205), (108, 147253), (110, 147313), (111, 147322), (112, 147433),

Gene: Gamgam_255 Start: 144814, Stop: 147837, Start Num: 4
Candidate Starts for Gamgam_255:
(1, 144532), (Start: 4 @144814 has 126 MA's), (5, 144880), (6, 144922), (7, 144946), (8, 144964), (9, 145003), (11, 145075), (12, 145090), (14, 145147), (15, 145153), (16, 145180), (19, 145255), (20, 145267), (23, 145342), (24, 145345), (29, 145453), (33, 145564), (35, 145651), (36, 145681), (37, 145699), (39, 145723), (41, 145738), (50, 146029), (51, 146089), (53, 146137), (54, 146146), (56, 146218), (58, 146320), (60, 146365), (62, 146395), (63, 146458), (64, 146473), (72, 146632), (73, 146656), (74, 146713), (77, 146800), (80, 146908), (86, 147079), (87, 147091), (89, 147142), (92, 147199), (97, 147346), (101, 147469), (102, 147496), (103, 147499), (104, 147502), (105, 147505), (107, 147562), (108, 147610), (110, 147670), (111, 147679), (112, 147790),

Gene: Ghost_253 Start: 145438, Stop: 148461, Start Num: 4
Candidate Starts for Ghost_253:
(1, 145156), (Start: 4 @145438 has 126 MA's), (5, 145504), (6, 145546), (7, 145570), (8, 145588), (9, 145627), (11, 145699), (12, 145714), (14, 145771), (15, 145777), (16, 145804), (19, 145879), (20, 145891), (23, 145966), (24, 145969), (29, 146077), (33, 146188), (35, 146275), (36, 146305), (37, 146323), (39, 146347), (41, 146362), (50, 146653), (51, 146713), (53, 146761), (54, 146770), (56, 146842), (58, 146944), (60, 146989), (62, 147019), (63, 147082), (64, 147097), (72, 147256), (73, 147280), (74, 147337), (77, 147424), (80, 147532), (86, 147703), (87, 147715), (89, 147766), (92,

147823), (97, 147970), (101, 148093), (102, 148120), (103, 148123), (104, 148126), (105, 148129), (107, 148186), (108, 148234), (110, 148294), (111, 148303), (112, 148414),

Gene: GlutenPhree_254 Start: 144825, Stop: 147848, Start Num: 4
Candidate Starts for GlutenPhree_254:
(1, 144543), (Start: 4 @144825 has 126 MA's), (5, 144891), (6, 144933), (7, 144957), (8, 144975), (9, 145014), (11, 145086), (12, 145101), (14, 145158), (15, 145164), (16, 145191), (19, 145266), (20, 145278), (23, 145353), (24, 145356), (29, 145464), (33, 145575), (35, 145662), (36, 145692), (37, 145710), (39, 145734), (41, 145749), (50, 146040), (51, 146100), (53, 146148), (54, 146157), (56, 146229), (58, 146331), (60, 146376), (62, 146406), (63, 146469), (64, 146484), (72, 146643), (73, 146667), (74, 146724), (77, 146811), (80, 146919), (86, 147090), (87, 147102), (89, 147153), (92, 147210), (97, 147357), (101, 147480), (102, 147507), (103, 147510), (104, 147513), (105, 147516), (107, 147573), (108, 147621), (110, 147681), (111, 147690), (112, 147801),

Gene: GoldenSnow_252 Start: 145975, Stop: 148998, Start Num: 4
Candidate Starts for GoldenSnow_252:
(1, 145693), (Start: 4 @145975 has 126 MA's), (5, 146041), (6, 146083), (7, 146107), (8, 146125), (9, 146164), (11, 146236), (12, 146251), (14, 146308), (15, 146314), (16, 146341), (19, 146416), (20, 146428), (23, 146503), (24, 146506), (29, 146614), (31, 146698), (33, 146725), (35, 146812), (36, 146842), (37, 146860), (39, 146884), (41, 146899), (50, 147190), (51, 147250), (53, 147298), (54, 147307), (55, 147331), (58, 147481), (60, 147526), (62, 147556), (63, 147619), (64, 147634), (72, 147793), (73, 147817), (74, 147874), (77, 147961), (80, 148069), (81, 148129), (86, 148240), (87, 148252), (88, 148261), (89, 148303), (92, 148360), (94, 148492), (97, 148507), (101, 148630), (102, 148657), (103, 148660), (104, 148663), (105, 148666), (107, 148723), (108, 148771), (110, 148831), (111, 148840), (112, 148951),

Gene: Grungle_235 Start: 142703, Stop: 145726, Start Num: 4
Candidate Starts for Grungle_235:
(1, 142421), (Start: 4 @142703 has 126 MA's), (5, 142769), (6, 142811), (7, 142835), (8, 142853), (9, 142892), (11, 142964), (12, 142979), (14, 143036), (15, 143042), (16, 143069), (19, 143144), (20, 143156), (23, 143231), (24, 143234), (29, 143342), (31, 143426), (33, 143453), (35, 143540), (36, 143570), (37, 143588), (39, 143612), (41, 143627), (50, 143918), (51, 143978), (53, 144026), (54, 144035), (55, 144059), (58, 144209), (60, 144254), (62, 144284), (63, 144347), (64, 144362), (72, 144521), (73, 144545), (74, 144602), (77, 144689), (80, 144797), (81, 144857), (86, 144968), (87, 144980), (88, 144989), (89, 145031), (92, 145088), (94, 145220), (97, 145235), (101, 145358), (102, 145385), (103, 145388), (104, 145391), (105, 145394), (107, 145451), (108, 145499), (110, 145559), (111, 145568), (112, 145679),

Gene: Halldule_245 Start: 143885, Stop: 146908, Start Num: 4
Candidate Starts for Halldule_245:
(1, 143603), (Start: 4 @143885 has 126 MA's), (5, 143951), (6, 143993), (7, 144017), (8, 144035), (9, 144074), (11, 144146), (12, 144161), (14, 144218), (15, 144224), (16, 144251), (19, 144326), (20, 144338), (23, 144413), (24, 144416), (29, 144524), (31, 144608), (33, 144635), (35, 144722), (36, 144752), (37, 144770), (39, 144794), (41, 144809), (50, 145100), (51, 145160), (53, 145208), (54, 145217), (55, 145241), (58, 145391), (60, 145436), (62, 145466), (63, 145529), (64, 145544), (72, 145703), (73, 145727), (74, 145784), (77, 145871), (80, 145979), (81, 146039), (86, 146150), (87, 146162), (88, 146171), (89, 146213), (92, 146270), (94, 146402), (97, 146417), (101, 146540), (102, 146567), (103, 146570), (104, 146573), (105, 146576), (107, 146633), (108, 146681), (110, 146741), (111, 146750), (112, 146861),

Gene: IkeLoa_247 Start: 145170, Stop: 148193, Start Num: 4
Candidate Starts for IkeLoa_247:

(1, 144888), (Start: 4 @145170 has 126 MA's), (5, 145236), (6, 145278), (7, 145302), (8, 145320), (9, 145359), (11, 145431), (12, 145446), (14, 145503), (15, 145509), (16, 145536), (19, 145611), (20, 145623), (23, 145698), (24, 145701), (29, 145809), (31, 145893), (33, 145920), (35, 146007), (36, 146037), (37, 146055), (39, 146079), (41, 146094), (50, 146385), (51, 146445), (53, 146493), (54, 146502), (55, 146526), (58, 146676), (60, 146721), (62, 146751), (63, 146814), (64, 146829), (72, 146988), (73, 147012), (74, 147069), (77, 147156), (80, 147264), (81, 147324), (86, 147435), (87, 147447), (88, 147456), (89, 147498), (92, 147555), (94, 147687), (97, 147702), (101, 147825), (102, 147852), (103, 147855), (104, 147858), (105, 147861), (107, 147918), (108, 147966), (110, 148026), (111, 148035), (112, 148146),

Gene: InigoMontoya_257 Start: 145488, Stop: 148511, Start Num: 4
Candidate Starts for InigoMontoya_257:
(1, 145206), (Start: 4 @145488 has 126 MA's), (5, 145554), (6, 145596), (7, 145620), (8, 145638), (9, 145677), (11, 145749), (12, 145764), (14, 145821), (15, 145827), (16, 145854), (19, 145929), (20, 145941), (23, 146016), (24, 146019), (29, 146127), (33, 146238), (35, 146325), (36, 146355), (37, 146373), (39, 146397), (41, 146412), (50, 146703), (51, 146763), (53, 146811), (54, 146820), (56, 146892), (58, 146994), (60, 147039), (62, 147069), (63, 147132), (64, 147147), (72, 147306), (73, 147330), (74, 147387), (77, 147474), (80, 147582), (86, 147753), (87, 147765), (89, 147816), (92, 147873), (97, 148020), (101, 148143), (102, 148170), (103, 148173), (104, 148176), (105, 148179), (107, 148236), (108, 148284), (110, 148344), (111, 148353), (112, 148464),

Gene: InterFolia_255 Start: 146234, Stop: 149257, Start Num: 4
Candidate Starts for InterFolia_255:
(1, 145952), (Start: 4 @146234 has 126 MA's), (5, 146300), (6, 146342), (7, 146366), (8, 146384), (9, 146423), (11, 146495), (12, 146510), (14, 146567), (15, 146573), (16, 146600), (19, 146675), (20, 146687), (23, 146762), (24, 146765), (29, 146873), (31, 146957), (33, 146984), (35, 147071), (36, 147101), (37, 147119), (39, 147143), (41, 147158), (50, 147449), (51, 147509), (53, 147557), (54, 147566), (55, 147590), (58, 147740), (60, 147785), (62, 147815), (63, 147878), (64, 147893), (72, 148052), (73, 148076), (74, 148133), (77, 148220), (80, 148328), (81, 148388), (86, 148499), (87, 148511), (88, 148520), (89, 148562), (92, 148619), (94, 148751), (97, 148766), (101, 148889), (102, 148916), (103, 148919), (104, 148922), (105, 148925), (107, 148982), (108, 149030), (110, 149090), (111, 149099), (112, 149210),

Gene: Iota_250 Start: 145200, Stop: 148223, Start Num: 4
Candidate Starts for Iota_250:
(1, 144918), (Start: 4 @145200 has 126 MA's), (5, 145266), (6, 145308), (7, 145332), (8, 145350), (9, 145389), (11, 145461), (12, 145476), (14, 145533), (15, 145539), (16, 145566), (19, 145641), (20, 145653), (23, 145728), (24, 145731), (29, 145839), (31, 145923), (33, 145950), (35, 146037), (36, 146067), (37, 146085), (39, 146109), (41, 146124), (50, 146415), (51, 146475), (53, 146523), (54, 146532), (55, 146556), (58, 146706), (60, 146751), (62, 146781), (63, 146844), (64, 146859), (72, 147018), (73, 147042), (74, 147099), (77, 147186), (80, 147294), (81, 147354), (86, 147465), (87, 147477), (88, 147486), (89, 147528), (92, 147585), (94, 147717), (97, 147732), (101, 147855), (102, 147882), (103, 147885), (104, 147888), (105, 147891), (107, 147948), (108, 147996), (110, 148056), (111, 148065), (112, 148176),

Gene: Issimir_247 Start: 145575, Stop: 148598, Start Num: 4
Candidate Starts for Issimir_247:
(1, 145293), (Start: 4 @145575 has 126 MA's), (5, 145641), (6, 145683), (7, 145707), (8, 145725), (9, 145764), (11, 145836), (12, 145851), (14, 145908), (15, 145914), (16, 145941), (19, 146016), (20, 146028), (23, 146103), (24, 146106), (29, 146214), (31, 146298), (33, 146325), (35, 146412), (36, 146442), (37, 146460), (39, 146484), (41, 146499), (50, 146790), (51, 146850), (53, 146898), (54, 146907), (55, 146931), (58, 147081), (60, 147126), (62, 147156), (63, 147219), (64, 147234), (72, 147393), (73, 147417), (74, 147474), (77, 147561), (80, 147669), (81, 147729), (86, 147840), (87,

147852), (88, 147861), (89, 147903), (92, 147960), (94, 148092), (97, 148107), (101, 148230), (102, 148257), (103, 148260), (104, 148263), (105, 148266), (107, 148323), (108, 148371), (110, 148431), (111, 148440), (112, 148551),

Gene: Izajani_249 Start: 146020, Stop: 149043, Start Num: 4
Candidate Starts for Izajani_249:
(1, 145738), (Start: 4 @146020 has 126 MA's), (5, 146086), (6, 146128), (7, 146152), (8, 146170), (9, 146209), (11, 146281), (12, 146296), (14, 146353), (15, 146359), (16, 146386), (19, 146461), (20, 146473), (23, 146548), (24, 146551), (29, 146659), (31, 146743), (33, 146770), (35, 146857), (36, 146887), (37, 146905), (39, 146929), (41, 146944), (50, 147235), (51, 147295), (53, 147343), (54, 147352), (55, 147376), (58, 147526), (60, 147571), (62, 147601), (63, 147664), (64, 147679), (72, 147838), (73, 147862), (74, 147919), (77, 148006), (80, 148114), (81, 148174), (86, 148285), (87, 148297), (88, 148306), (89, 148348), (92, 148405), (94, 148537), (97, 148552), (101, 148675), (102, 148702), (103, 148705), (104, 148708), (105, 148711), (107, 148768), (108, 148816), (110, 148876), (111, 148885), (112, 148996),

Gene: JPickles_251 Start: 144625, Stop: 147648, Start Num: 4
Candidate Starts for JPickles_251:
(1, 144343), (Start: 4 @144625 has 126 MA's), (5, 144691), (6, 144733), (7, 144757), (8, 144775), (9, 144814), (11, 144886), (12, 144901), (14, 144958), (15, 144964), (16, 144991), (19, 145066), (20, 145078), (23, 145153), (24, 145156), (29, 145264), (31, 145348), (33, 145375), (35, 145462), (36, 145492), (37, 145510), (39, 145534), (41, 145549), (50, 145840), (51, 145900), (53, 145948), (54, 145957), (56, 146029), (58, 146131), (60, 146176), (62, 146206), (63, 146269), (64, 146284), (72, 146443), (73, 146467), (74, 146524), (77, 146611), (80, 146719), (81, 146779), (86, 146890), (87, 146902), (89, 146953), (92, 147010), (97, 147157), (101, 147280), (102, 147307), (103, 147310), (104, 147313), (105, 147316), (107, 147373), (108, 147421), (110, 147481), (111, 147490), (112, 147601),

Gene: Janiyra_257 Start: 146162, Stop: 149185, Start Num: 4
Candidate Starts for Janiyra_257:
(1, 145880), (Start: 4 @146162 has 126 MA's), (5, 146228), (6, 146270), (7, 146294), (8, 146312), (9, 146351), (11, 146423), (12, 146438), (14, 146495), (15, 146501), (16, 146528), (19, 146603), (20, 146615), (23, 146690), (24, 146693), (29, 146801), (33, 146912), (35, 146999), (36, 147029), (37, 147047), (39, 147071), (41, 147086), (50, 147377), (51, 147437), (53, 147485), (54, 147494), (56, 147566), (58, 147668), (60, 147713), (62, 147743), (63, 147806), (64, 147821), (72, 147980), (73, 148004), (74, 148061), (77, 148148), (80, 148256), (81, 148316), (86, 148427), (87, 148439), (89, 148490), (92, 148547), (97, 148694), (101, 148817), (102, 148844), (103, 148847), (104, 148850), (105, 148853), (107, 148910), (108, 148958), (110, 149018), (111, 149027), (112, 149138),

Gene: Jaygup_250 Start: 145347, Stop: 148370, Start Num: 4
Candidate Starts for Jaygup_250:
(1, 145065), (Start: 4 @145347 has 126 MA's), (5, 145413), (6, 145455), (7, 145479), (8, 145497), (9, 145536), (11, 145608), (12, 145623), (14, 145680), (15, 145686), (16, 145713), (19, 145788), (20, 145800), (23, 145875), (24, 145878), (29, 145986), (31, 146070), (33, 146097), (35, 146184), (36, 146214), (37, 146232), (39, 146256), (41, 146271), (50, 146562), (51, 146622), (53, 146670), (54, 146679), (56, 146751), (58, 146853), (60, 146898), (62, 146928), (63, 146991), (64, 147006), (72, 147165), (73, 147189), (74, 147246), (77, 147333), (80, 147441), (81, 147501), (86, 147612), (87, 147624), (88, 147633), (89, 147675), (92, 147732), (94, 147864), (97, 147879), (101, 148002), (102, 148029), (103, 148032), (104, 148035), (105, 148038), (107, 148095), (108, 148143), (110, 148203), (111, 148212), (112, 148323),

Gene: Jedediah_255 Start: 146400, Stop: 149423, Start Num: 4
Candidate Starts for Jedediah_255:

(1, 146118), (Start: 4 @146400 has 126 MA's), (5, 146466), (6, 146508), (7, 146532), (8, 146550), (9, 146589), (11, 146661), (12, 146676), (14, 146733), (15, 146739), (16, 146766), (19, 146841), (20, 146853), (23, 146928), (24, 146931), (29, 147039), (33, 147150), (35, 147237), (36, 147267), (37, 147285), (39, 147309), (41, 147324), (50, 147615), (51, 147675), (53, 147723), (54, 147732), (56, 147804), (58, 147906), (60, 147951), (62, 147981), (63, 148044), (64, 148059), (72, 148218), (73, 148242), (74, 148299), (77, 148386), (80, 148494), (86, 148665), (87, 148677), (89, 148728), (92, 148785), (97, 148932), (101, 149055), (102, 149082), (103, 149085), (104, 149088), (105, 149091), (107, 149148), (108, 149196), (110, 149256), (111, 149265), (112, 149376),

Gene: Jemmno_253 Start: 145119, Stop: 148142, Start Num: 4
Candidate Starts for Jemmno_253:
(1, 144837), (Start: 4 @145119 has 126 MA's), (5, 145185), (6, 145227), (7, 145251), (8, 145269), (9, 145308), (11, 145380), (12, 145395), (14, 145452), (15, 145458), (16, 145485), (19, 145560), (20, 145572), (23, 145647), (24, 145650), (29, 145758), (33, 145869), (35, 145956), (36, 145986), (37, 146004), (39, 146028), (41, 146043), (50, 146334), (51, 146394), (53, 146442), (54, 146451), (56, 146523), (58, 146625), (60, 146670), (62, 146700), (63, 146763), (64, 146778), (72, 146937), (73, 146961), (74, 147018), (77, 147105), (80, 147213), (86, 147384), (87, 147396), (89, 147447), (92, 147504), (97, 147651), (101, 147774), (102, 147801), (103, 147804), (104, 147807), (105, 147810), (107, 147867), (108, 147915), (110, 147975), (111, 147984), (112, 148095),

Gene: Jezreel_250 Start: 145658, Stop: 148687, Start Num: 3
Candidate Starts for Jezreel_250:
(Start: 3 @145658 has 1 MA's), (Start: 4 @145664 has 126 MA's), (5, 145730), (6, 145772), (7, 145796), (8, 145814), (9, 145853), (11, 145925), (12, 145940), (14, 145997), (15, 146003), (16, 146030), (19, 146105), (20, 146117), (23, 146192), (24, 146195), (29, 146303), (31, 146387), (33, 146414), (35, 146501), (36, 146531), (37, 146549), (39, 146573), (41, 146588), (50, 146879), (51, 146939), (53, 146987), (54, 146996), (55, 147020), (58, 147170), (60, 147215), (62, 147245), (63, 147308), (64, 147323), (72, 147482), (73, 147506), (74, 147563), (77, 147650), (80, 147758), (81, 147818), (86, 147929), (87, 147941), (88, 147950), (89, 147992), (92, 148049), (94, 148181), (97, 148196), (101, 148319), (102, 148346), (103, 148349), (104, 148352), (105, 148355), (107, 148412), (108, 148460), (110, 148520), (111, 148529), (112, 148640),

Gene: JulietS_242 Start: 142699, Stop: 145722, Start Num: 4
Candidate Starts for JulietS_242:
(Start: 4 @142699 has 126 MA's), (5, 142765), (6, 142807), (7, 142831), (8, 142849), (9, 142888), (11, 142960), (12, 142975), (14, 143032), (15, 143038), (16, 143065), (19, 143140), (20, 143152), (23, 143227), (24, 143230), (29, 143338), (31, 143422), (33, 143449), (35, 143536), (36, 143566), (37, 143584), (39, 143608), (41, 143623), (50, 143914), (51, 143974), (53, 144022), (54, 144031), (55, 144055), (58, 144205), (60, 144250), (62, 144280), (63, 144343), (64, 144358), (72, 144517), (73, 144541), (74, 144598), (77, 144685), (80, 144793), (81, 144853), (86, 144964), (87, 144976), (88, 144985), (89, 145027), (92, 145084), (94, 145216), (97, 145231), (101, 145354), (102, 145381), (103, 145384), (104, 145387), (105, 145390), (107, 145447), (108, 145495), (110, 145555), (111, 145564), (112, 145675),

Gene: JustHall_247 Start: 144649, Stop: 147672, Start Num: 4
Candidate Starts for JustHall_247:
(1, 144367), (Start: 4 @144649 has 126 MA's), (5, 144715), (6, 144757), (7, 144781), (8, 144799), (9, 144838), (11, 144910), (12, 144925), (14, 144982), (15, 144988), (16, 145015), (19, 145090), (20, 145102), (23, 145177), (24, 145180), (29, 145288), (31, 145372), (33, 145399), (35, 145486), (36, 145516), (37, 145534), (39, 145558), (41, 145573), (50, 145864), (51, 145924), (53, 145972), (54, 145981), (56, 146053), (58, 146155), (60, 146200), (62, 146230), (63, 146293), (64, 146308), (72, 146467), (73, 146491), (74, 146548), (77, 146635), (80, 146743), (81, 146803), (86, 146914), (87, 146926), (89, 146977), (92, 147034), (97, 147181), (101, 147304), (102, 147331), (103, 147334), (104,

147337), (105, 147340), (107, 147397), (108, 147445), (110, 147505), (111, 147514), (112, 147625),

Gene: Kamryn_252 Start: 146239, Stop: 149262, Start Num: 4
Candidate Starts for Kamryn_252:
(1, 145957), (Start: 4 @146239 has 126 MA's), (5, 146305), (6, 146347), (7, 146371), (8, 146389), (9, 146428), (11, 146500), (12, 146515), (14, 146572), (15, 146578), (16, 146605), (19, 146680), (20, 146692), (23, 146767), (24, 146770), (29, 146878), (31, 146962), (33, 146989), (35, 147076), (36, 147106), (37, 147124), (39, 147148), (41, 147163), (50, 147454), (51, 147514), (53, 147562), (54, 147571), (55, 147595), (58, 147745), (60, 147790), (62, 147820), (63, 147883), (64, 147898), (72, 148057), (73, 148081), (74, 148138), (77, 148225), (80, 148333), (81, 148393), (86, 148504), (87, 148516), (88, 148525), (89, 148567), (92, 148624), (94, 148756), (97, 148771), (101, 148894), (102, 148921), (103, 148924), (104, 148927), (105, 148930), (107, 148987), (108, 149035), (110, 149095), (111, 149104), (112, 149215),

Gene: Kboogie_257 Start: 145278, Stop: 148301, Start Num: 4
Candidate Starts for Kboogie_257:
(1, 144996), (Start: 4 @145278 has 126 MA's), (5, 145344), (6, 145386), (7, 145410), (8, 145428), (9, 145467), (11, 145539), (12, 145554), (14, 145611), (15, 145617), (16, 145644), (19, 145719), (20, 145731), (23, 145806), (24, 145809), (29, 145917), (33, 146028), (35, 146115), (36, 146145), (37, 146163), (39, 146187), (41, 146202), (50, 146493), (51, 146553), (53, 146601), (54, 146610), (56, 146682), (58, 146784), (60, 146829), (62, 146859), (63, 146922), (64, 146937), (72, 147096), (73, 147120), (74, 147177), (77, 147264), (80, 147372), (81, 147432), (86, 147543), (87, 147555), (89, 147606), (92, 147663), (97, 147810), (101, 147933), (102, 147960), (103, 147963), (104, 147966), (105, 147969), (107, 148026), (108, 148074), (110, 148134), (111, 148143), (112, 148254),

Gene: Koguma_252 Start: 144861, Stop: 147884, Start Num: 4
Candidate Starts for Koguma_252:
(1, 144579), (Start: 4 @144861 has 126 MA's), (5, 144927), (6, 144969), (7, 144993), (8, 145011), (9, 145050), (11, 145122), (12, 145137), (14, 145194), (15, 145200), (16, 145227), (19, 145302), (20, 145314), (23, 145389), (24, 145392), (29, 145500), (31, 145584), (33, 145611), (35, 145698), (36, 145728), (37, 145746), (39, 145770), (41, 145785), (50, 146076), (51, 146136), (53, 146184), (54, 146193), (55, 146217), (58, 146367), (60, 146412), (62, 146442), (63, 146505), (64, 146520), (72, 146679), (73, 146703), (74, 146760), (77, 146847), (80, 146955), (81, 147015), (86, 147126), (87, 147138), (88, 147147), (89, 147189), (92, 147246), (94, 147378), (97, 147393), (101, 147516), (102, 147543), (103, 147546), (104, 147549), (105, 147552), (107, 147609), (108, 147657), (110, 147717), (111, 147726), (112, 147837),

Gene: LRRHood_245 Start: 144271, Stop: 147294, Start Num: 4
Candidate Starts for LRRHood_245:
(1, 143989), (Start: 4 @144271 has 126 MA's), (5, 144337), (6, 144379), (7, 144403), (8, 144421), (9, 144460), (11, 144532), (12, 144547), (14, 144604), (15, 144610), (16, 144637), (19, 144712), (20, 144724), (23, 144799), (24, 144802), (29, 144910), (31, 144994), (33, 145021), (35, 145108), (36, 145138), (37, 145156), (39, 145180), (41, 145195), (50, 145486), (51, 145546), (53, 145594), (54, 145603), (56, 145675), (58, 145777), (60, 145822), (62, 145852), (63, 145915), (64, 145930), (72, 146089), (73, 146113), (74, 146170), (77, 146257), (80, 146365), (81, 146425), (86, 146536), (87, 146548), (88, 146557), (89, 146599), (92, 146656), (94, 146788), (97, 146803), (101, 146926), (102, 146953), (103, 146956), (104, 146959), (105, 146962), (107, 147019), (108, 147067), (110, 147127), (111, 147136), (112, 147247),

Gene: Labradorite_255 Start: 144838, Stop: 147861, Start Num: 4
Candidate Starts for Labradorite_255:
(1, 144556), (Start: 4 @144838 has 126 MA's), (5, 144904), (6, 144946), (7, 144970), (8, 144988), (9, 145027), (11, 145099), (12, 145114), (14, 145171), (15, 145177), (16, 145204), (19, 145279), (20,

145291), (23, 145366), (24, 145369), (29, 145477), (31, 145561), (33, 145588), (35, 145675), (36, 145705), (37, 145723), (39, 145747), (41, 145762), (50, 146053), (51, 146113), (53, 146161), (54, 146170), (55, 146194), (58, 146344), (60, 146389), (62, 146419), (63, 146482), (64, 146497), (72, 146656), (73, 146680), (74, 146737), (77, 146824), (80, 146932), (81, 146992), (86, 147103), (87, 147115), (88, 147124), (89, 147166), (92, 147223), (94, 147355), (97, 147370), (101, 147493), (102, 147520), (103, 147523), (104, 147526), (105, 147529), (107, 147586), (108, 147634), (110, 147694), (111, 147703), (112, 147814),

Gene: Latch_253 Start: 144824, Stop: 147847, Start Num: 4
Candidate Starts for Latch_253:
(1, 144542), (Start: 4 @144824 has 126 MA's), (5, 144890), (6, 144932), (7, 144956), (8, 144974), (9, 145013), (11, 145085), (12, 145100), (14, 145157), (15, 145163), (16, 145190), (19, 145265), (20, 145277), (23, 145352), (24, 145355), (29, 145463), (33, 145574), (35, 145661), (36, 145691), (37, 145709), (39, 145733), (41, 145748), (50, 146039), (51, 146099), (53, 146147), (54, 146156), (56, 146228), (58, 146330), (60, 146375), (62, 146405), (63, 146468), (64, 146483), (72, 146642), (73, 146666), (74, 146723), (77, 146810), (80, 146918), (86, 147089), (87, 147101), (89, 147152), (92, 147209), (97, 147356), (101, 147479), (102, 147506), (103, 147509), (104, 147512), (105, 147515), (107, 147572), (108, 147620), (110, 147680), (111, 147689), (112, 147800),

Gene: Lee7_258 Start: 147925, Stop: 150948, Start Num: 4
Candidate Starts for Lee7_258:
(1, 147643), (Start: 4 @147925 has 126 MA's), (5, 147991), (6, 148033), (7, 148057), (8, 148075), (9, 148114), (11, 148186), (12, 148201), (14, 148258), (15, 148264), (16, 148291), (19, 148366), (20, 148378), (23, 148453), (24, 148456), (29, 148564), (31, 148648), (33, 148675), (35, 148762), (36, 148792), (37, 148810), (39, 148834), (41, 148849), (50, 149140), (51, 149200), (53, 149248), (54, 149257), (55, 149281), (58, 149431), (60, 149476), (62, 149506), (63, 149569), (64, 149584), (72, 149743), (73, 149767), (74, 149824), (77, 149911), (80, 150019), (81, 150079), (86, 150190), (87, 150202), (88, 150211), (89, 150253), (92, 150310), (94, 150442), (97, 150457), (101, 150580), (102, 150607), (103, 150610), (104, 150613), (105, 150616), (107, 150673), (108, 150721), (110, 150781), (111, 150790), (112, 150901),

Gene: LifeSavor_254 Start: 146052, Stop: 149075, Start Num: 4
Candidate Starts for LifeSavor_254:
(1, 145770), (Start: 4 @146052 has 126 MA's), (5, 146118), (6, 146160), (7, 146184), (8, 146202), (9, 146241), (11, 146313), (12, 146328), (14, 146385), (15, 146391), (16, 146418), (19, 146493), (20, 146505), (23, 146580), (24, 146583), (29, 146691), (31, 146775), (33, 146802), (35, 146889), (36, 146919), (37, 146937), (39, 146961), (41, 146976), (50, 147267), (51, 147327), (53, 147375), (54, 147384), (56, 147456), (58, 147558), (60, 147603), (62, 147633), (63, 147696), (64, 147711), (72, 147870), (73, 147894), (74, 147951), (77, 148038), (80, 148146), (81, 148206), (86, 148317), (87, 148329), (88, 148338), (89, 148380), (92, 148437), (94, 148569), (97, 148584), (101, 148707), (102, 148734), (103, 148737), (104, 148740), (105, 148743), (107, 148800), (108, 148848), (110, 148908), (111, 148917), (112, 149028),

Gene: LinStu_250 Start: 144153, Stop: 147176, Start Num: 4
Candidate Starts for LinStu_250:
(Start: 4 @144153 has 126 MA's), (5, 144219), (6, 144261), (7, 144285), (8, 144303), (9, 144342), (11, 144414), (12, 144429), (14, 144486), (15, 144492), (16, 144519), (19, 144594), (20, 144606), (23, 144681), (24, 144684), (29, 144792), (33, 144903), (35, 144990), (36, 145020), (37, 145038), (39, 145062), (41, 145077), (50, 145368), (51, 145428), (53, 145476), (54, 145485), (56, 145557), (58, 145659), (60, 145704), (62, 145734), (63, 145797), (64, 145812), (72, 145971), (73, 145995), (74, 146052), (77, 146139), (80, 146247), (81, 146307), (86, 146418), (87, 146430), (89, 146481), (92, 146538), (97, 146685), (101, 146808), (102, 146835), (103, 146838), (104, 146841), (105, 146844), (107, 146901), (108, 146949), (110, 147009), (111, 147018), (112, 147129),

Gene: Littleton_257 Start: 146061, Stop: 149084, Start Num: 4
Candidate Starts for Littleton_257:
(1, 145779), (Start: 4 @146061 has 126 MA's), (5, 146127), (6, 146169), (7, 146193), (8, 146211), (9, 146250), (11, 146322), (12, 146337), (14, 146394), (15, 146400), (16, 146427), (19, 146502), (20, 146514), (23, 146589), (24, 146592), (29, 146700), (33, 146811), (35, 146898), (36, 146928), (37, 146946), (39, 146970), (41, 146985), (50, 147276), (51, 147336), (53, 147384), (54, 147393), (56, 147465), (58, 147567), (60, 147612), (62, 147642), (63, 147705), (64, 147720), (72, 147879), (73, 147903), (74, 147960), (77, 148047), (80, 148155), (81, 148215), (86, 148326), (87, 148338), (89, 148389), (92, 148446), (97, 148593), (101, 148716), (102, 148743), (103, 148746), (104, 148749), (105, 148752), (107, 148809), (108, 148857), (110, 148917), (111, 148926), (112, 149037),

Gene: LolaVinca_249 Start: 145664, Stop: 148687, Start Num: 4
Candidate Starts for LolaVinca_249:
(1, 145382), (Start: 4 @145664 has 126 MA's), (5, 145730), (6, 145772), (7, 145796), (8, 145814), (9, 145853), (11, 145925), (12, 145940), (14, 145997), (15, 146003), (16, 146030), (19, 146105), (20, 146117), (23, 146192), (24, 146195), (29, 146303), (31, 146387), (33, 146414), (35, 146501), (36, 146531), (37, 146549), (39, 146573), (41, 146588), (50, 146879), (51, 146939), (53, 146987), (54, 146996), (55, 147020), (58, 147170), (60, 147215), (62, 147245), (63, 147308), (64, 147323), (72, 147482), (73, 147506), (74, 147563), (77, 147650), (80, 147758), (81, 147818), (86, 147929), (87, 147941), (88, 147950), (89, 147992), (92, 148049), (94, 148181), (97, 148196), (101, 148319), (102, 148346), (103, 148349), (104, 148352), (105, 148355), (107, 148412), (108, 148460), (110, 148520), (111, 148529), (112, 148640),

Gene: LookingGlass_251 Start: 145569, Stop: 148592, Start Num: 4
Candidate Starts for LookingGlass_251:
(1, 145287), (Start: 4 @145569 has 126 MA's), (5, 145635), (6, 145677), (7, 145701), (8, 145719), (9, 145758), (11, 145830), (12, 145845), (14, 145902), (15, 145908), (16, 145935), (19, 146010), (20, 146022), (23, 146097), (24, 146100), (29, 146208), (31, 146292), (33, 146319), (35, 146406), (36, 146436), (37, 146454), (39, 146478), (41, 146493), (50, 146784), (51, 146844), (53, 146892), (54, 146901), (55, 146925), (58, 147075), (60, 147120), (62, 147150), (63, 147213), (64, 147228), (72, 147387), (73, 147411), (74, 147468), (77, 147555), (80, 147663), (81, 147723), (86, 147834), (87, 147846), (88, 147855), (89, 147897), (92, 147954), (94, 148086), (97, 148101), (101, 148224), (102, 148251), (103, 148254), (104, 148257), (105, 148260), (107, 148317), (108, 148365), (110, 148425), (111, 148434), (112, 148545),

Gene: LordLeafolot_254 Start: 145277, Stop: 148300, Start Num: 4
Candidate Starts for LordLeafolot_254:
(1, 144995), (Start: 4 @145277 has 126 MA's), (5, 145343), (6, 145385), (7, 145409), (8, 145427), (9, 145466), (11, 145538), (12, 145553), (14, 145610), (15, 145616), (16, 145643), (19, 145718), (20, 145730), (23, 145805), (24, 145808), (29, 145916), (31, 146000), (33, 146027), (35, 146114), (36, 146144), (37, 146162), (39, 146186), (41, 146201), (50, 146492), (51, 146552), (53, 146600), (54, 146609), (55, 146633), (58, 146783), (60, 146828), (62, 146858), (63, 146921), (64, 146936), (72, 147095), (73, 147119), (74, 147176), (77, 147263), (80, 147371), (81, 147431), (86, 147542), (87, 147554), (88, 147563), (89, 147605), (92, 147662), (94, 147794), (97, 147809), (101, 147932), (102, 147959), (103, 147962), (104, 147965), (105, 147968), (107, 148025), (108, 148073), (110, 148133), (111, 148142), (112, 148253),

Gene: Lukilu_242 Start: 146280, Stop: 149303, Start Num: 4
Candidate Starts for Lukilu_242:
(1, 145998), (Start: 4 @146280 has 126 MA's), (5, 146346), (6, 146388), (7, 146412), (8, 146430), (9, 146469), (11, 146541), (12, 146556), (14, 146613), (15, 146619), (16, 146646), (19, 146721), (20, 146733), (23, 146808), (24, 146811), (29, 146919), (31, 147003), (33, 147030), (35, 147117), (36,

147147), (37, 147165), (39, 147189), (41, 147204), (50, 147495), (51, 147555), (53, 147603), (54, 147612), (55, 147636), (58, 147786), (60, 147831), (62, 147861), (63, 147924), (64, 147939), (72, 148098), (73, 148122), (74, 148179), (77, 148266), (80, 148374), (81, 148434), (86, 148545), (87, 148557), (88, 148566), (89, 148608), (92, 148665), (94, 148797), (97, 148812), (101, 148935), (102, 148962), (103, 148965), (104, 148968), (105, 148971), (107, 149028), (108, 149076), (110, 149136), (111, 149145), (112, 149256),

Gene: Lunareta_250 Start: 146512, Stop: 149535, Start Num: 4
Candidate Starts for Lunareta_250:
(Start: 4 @146512 has 126 MA's), (5, 146578), (6, 146620), (7, 146644), (8, 146662), (9, 146701), (11, 146773), (12, 146788), (14, 146845), (15, 146851), (16, 146878), (19, 146953), (20, 146965), (23, 147040), (24, 147043), (29, 147151), (33, 147262), (35, 147349), (36, 147379), (37, 147397), (38, 147412), (39, 147421), (41, 147436), (50, 147727), (51, 147787), (53, 147835), (54, 147844), (56, 147916), (58, 148018), (60, 148063), (62, 148093), (63, 148156), (64, 148171), (72, 148330), (73, 148354), (74, 148411), (77, 148498), (80, 148606), (81, 148666), (86, 148777), (87, 148789), (89, 148840), (92, 148897), (97, 149044), (101, 149167), (102, 149194), (103, 149197), (104, 149200), (105, 149203), (107, 149260), (108, 149308), (110, 149368), (111, 149377), (112, 149488),

Gene: Maguvora_254 Start: 146256, Stop: 149279, Start Num: 4
Candidate Starts for Maguvora_254:
(1, 145974), (Start: 4 @146256 has 126 MA's), (5, 146322), (6, 146364), (7, 146388), (8, 146406), (9, 146445), (11, 146517), (12, 146532), (14, 146589), (15, 146595), (16, 146622), (19, 146697), (20, 146709), (23, 146784), (24, 146787), (29, 146895), (31, 146979), (33, 147006), (35, 147093), (36, 147123), (37, 147141), (39, 147165), (41, 147180), (50, 147471), (51, 147531), (53, 147579), (54, 147588), (55, 147612), (58, 147762), (60, 147807), (62, 147837), (63, 147900), (64, 147915), (72, 148074), (73, 148098), (74, 148155), (77, 148242), (80, 148350), (81, 148410), (86, 148521), (87, 148533), (88, 148542), (89, 148584), (92, 148641), (94, 148773), (97, 148788), (101, 148911), (102, 148938), (103, 148941), (104, 148944), (105, 148947), (107, 149004), (108, 149052), (110, 149112), (111, 149121), (112, 149232),

Gene: Mangeria_253 Start: 146175, Stop: 149198, Start Num: 4
Candidate Starts for Mangeria_253:
(1, 145893), (Start: 4 @146175 has 126 MA's), (5, 146241), (6, 146283), (7, 146307), (8, 146325), (9, 146364), (11, 146436), (12, 146451), (14, 146508), (15, 146514), (16, 146541), (19, 146616), (20, 146628), (23, 146703), (24, 146706), (29, 146814), (33, 146925), (35, 147012), (36, 147042), (37, 147060), (39, 147084), (41, 147099), (50, 147390), (51, 147450), (53, 147498), (54, 147507), (55, 147531), (58, 147681), (60, 147726), (62, 147756), (63, 147819), (64, 147834), (72, 147993), (73, 148017), (74, 148074), (77, 148161), (80, 148269), (81, 148329), (86, 148440), (87, 148452), (88, 148461), (89, 148503), (92, 148560), (94, 148692), (97, 148707), (101, 148830), (102, 148857), (103, 148860), (104, 148863), (105, 148866), (107, 148923), (108, 148971), (110, 149031), (111, 149040), (112, 149151),

Gene: Matsumoto_251 Start: 145266, Stop: 148289, Start Num: 4
Candidate Starts for Matsumoto_251:
(1, 144984), (Start: 4 @145266 has 126 MA's), (5, 145332), (6, 145374), (7, 145398), (8, 145416), (9, 145455), (11, 145527), (12, 145542), (14, 145599), (15, 145605), (16, 145632), (19, 145707), (20, 145719), (23, 145794), (24, 145797), (29, 145905), (31, 145989), (33, 146016), (35, 146103), (36, 146133), (37, 146151), (39, 146175), (41, 146190), (50, 146481), (51, 146541), (53, 146589), (54, 146598), (56, 146670), (58, 146772), (60, 146817), (62, 146847), (63, 146910), (64, 146925), (72, 147084), (73, 147108), (74, 147165), (77, 147252), (80, 147360), (81, 147420), (86, 147531), (87, 147543), (89, 147594), (92, 147651), (97, 147798), (101, 147921), (102, 147948), (103, 147951), (104, 147954), (105, 147957), (107, 148014), (108, 148062), (110, 148122), (111, 148131), (112, 148242),

Gene: Maturis_247 Start: 145627, Stop: 148650, Start Num: 4
Candidate Starts for Maturis_247:
(Start: 4 @145627 has 126 MA's), (5, 145693), (6, 145735), (7, 145759), (8, 145777), (9, 145816), (11, 145888), (12, 145903), (14, 145960), (15, 145966), (16, 145993), (19, 146068), (20, 146080), (23, 146155), (24, 146158), (29, 146266), (31, 146350), (33, 146377), (35, 146464), (36, 146494), (39, 146536), (41, 146551), (50, 146842), (51, 146902), (53, 146950), (54, 146959), (55, 146983), (58, 147133), (60, 147178), (62, 147208), (63, 147271), (64, 147286), (72, 147445), (73, 147469), (74, 147526), (77, 147613), (80, 147721), (81, 147781), (86, 147892), (87, 147904), (89, 147955), (92, 148012), (97, 148159), (101, 148282), (102, 148309), (103, 148312), (104, 148315), (105, 148318), (107, 148375), (108, 148423), (110, 148483), (111, 148492), (112, 148603),

Gene: McGee_255 Start: 145612, Stop: 148635, Start Num: 4
Candidate Starts for McGee_255:
(1, 145330), (Start: 4 @145612 has 126 MA's), (5, 145678), (6, 145720), (7, 145744), (8, 145762), (9, 145801), (11, 145873), (12, 145888), (14, 145945), (15, 145951), (16, 145978), (19, 146053), (20, 146065), (23, 146140), (24, 146143), (29, 146251), (33, 146362), (35, 146449), (36, 146479), (37, 146497), (39, 146521), (41, 146536), (50, 146827), (51, 146887), (53, 146935), (54, 146944), (56, 147016), (58, 147118), (60, 147163), (62, 147193), (63, 147256), (64, 147271), (72, 147430), (73, 147454), (74, 147511), (77, 147598), (80, 147706), (81, 147766), (86, 147877), (87, 147889), (89, 147940), (92, 147997), (97, 148144), (101, 148267), (102, 148294), (103, 148297), (104, 148300), (105, 148303), (107, 148360), (108, 148408), (110, 148468), (111, 148477), (112, 148588),

Gene: Melpomini_248 Start: 144358, Stop: 147381, Start Num: 4
Candidate Starts for Melpomini_248:
(1, 144076), (Start: 4 @144358 has 126 MA's), (5, 144424), (6, 144466), (7, 144490), (8, 144508), (9, 144547), (11, 144619), (12, 144634), (14, 144691), (15, 144697), (16, 144724), (19, 144799), (20, 144811), (23, 144886), (24, 144889), (29, 144997), (33, 145108), (35, 145195), (36, 145225), (37, 145243), (39, 145267), (41, 145282), (50, 145573), (51, 145633), (53, 145681), (54, 145690), (56, 145762), (58, 145864), (60, 145909), (62, 145939), (63, 146002), (64, 146017), (72, 146176), (73, 146200), (74, 146257), (77, 146344), (80, 146452), (81, 146512), (86, 146623), (87, 146635), (89, 146686), (92, 146743), (97, 146890), (101, 147013), (102, 147040), (103, 147043), (104, 147046), (105, 147049), (107, 147106), (108, 147154), (110, 147214), (111, 147223), (112, 147334),

Gene: Mikro_247 Start: 147177, Stop: 150200, Start Num: 4
Candidate Starts for Mikro_247:
(1, 146895), (Start: 4 @147177 has 126 MA's), (5, 147243), (6, 147285), (7, 147309), (8, 147327), (9, 147366), (11, 147438), (12, 147453), (14, 147510), (15, 147516), (16, 147543), (19, 147618), (20, 147630), (23, 147705), (24, 147708), (29, 147816), (31, 147900), (33, 147927), (35, 148014), (36, 148044), (37, 148062), (39, 148086), (41, 148101), (50, 148392), (51, 148452), (53, 148500), (54, 148509), (55, 148533), (58, 148683), (60, 148728), (62, 148758), (63, 148821), (64, 148836), (72, 148995), (73, 149019), (74, 149076), (77, 149163), (80, 149271), (81, 149331), (86, 149442), (87, 149454), (88, 149463), (89, 149505), (92, 149562), (94, 149694), (97, 149709), (101, 149832), (102, 149859), (103, 149862), (104, 149865), (105, 149868), (107, 149925), (108, 149973), (110, 150033), (111, 150042), (112, 150153),

Gene: Momo_255 Start: 144824, Stop: 147847, Start Num: 4
Candidate Starts for Momo_255:
(1, 144542), (Start: 4 @144824 has 126 MA's), (5, 144890), (6, 144932), (7, 144956), (8, 144974), (9, 145013), (11, 145085), (12, 145100), (14, 145157), (15, 145163), (16, 145190), (19, 145265), (20, 145277), (23, 145352), (24, 145355), (29, 145463), (33, 145574), (35, 145661), (36, 145691), (37, 145709), (39, 145733), (41, 145748), (50, 146039), (51, 146099), (53, 146147), (54, 146156), (56, 146228), (58, 146330), (60, 146375), (62, 146405), (63, 146468), (64, 146483), (72, 146642), (73, 146666), (74, 146723), (77, 146810), (80, 146918), (86, 147089), (87, 147101), (89, 147152), (92,

147209), (97, 147356), (101, 147479), (102, 147506), (103, 147509), (104, 147512), (105, 147515), (107, 147572), (108, 147620), (110, 147680), (111, 147689), (112, 147800),

Gene: Montpel_250 Start: 146510, Stop: 149533, Start Num: 4
Candidate Starts for Montpel_250:
(Start: 4 @146510 has 126 MA's), (5, 146576), (6, 146618), (7, 146642), (8, 146660), (9, 146699), (11, 146771), (12, 146786), (14, 146843), (15, 146849), (16, 146876), (19, 146951), (20, 146963), (23, 147038), (24, 147041), (29, 147149), (33, 147260), (35, 147347), (36, 147377), (37, 147395), (38, 147410), (39, 147419), (41, 147434), (50, 147725), (51, 147785), (53, 147833), (54, 147842), (56, 147914), (58, 148016), (60, 148061), (62, 148091), (63, 148154), (64, 148169), (72, 148328), (73, 148352), (74, 148409), (77, 148496), (80, 148604), (81, 148664), (86, 148775), (87, 148787), (89, 148838), (92, 148895), (97, 149042), (101, 149165), (102, 149192), (103, 149195), (104, 149198), (105, 149201), (107, 149258), (108, 149306), (110, 149366), (111, 149375), (112, 149486),

Gene: Morizzled23_251 Start: 144640, Stop: 147663, Start Num: 4
Candidate Starts for Morizzled23_251:
(1, 144358), (Start: 4 @144640 has 126 MA's), (5, 144706), (6, 144748), (7, 144772), (8, 144790), (9, 144829), (11, 144901), (12, 144916), (14, 144973), (15, 144979), (16, 145006), (19, 145081), (20, 145093), (23, 145168), (24, 145171), (29, 145279), (31, 145363), (33, 145390), (35, 145477), (36, 145507), (37, 145525), (39, 145549), (41, 145564), (50, 145855), (51, 145915), (53, 145963), (54, 145972), (56, 146044), (58, 146146), (60, 146191), (62, 146221), (63, 146284), (64, 146299), (72, 146458), (73, 146482), (74, 146539), (77, 146626), (80, 146734), (81, 146794), (86, 146905), (87, 146917), (89, 146968), (92, 147025), (97, 147172), (101, 147295), (102, 147322), (103, 147325), (104, 147328), (105, 147331), (107, 147388), (108, 147436), (110, 147496), (111, 147505), (112, 147616),

Gene: Naija_254 Start: 145527, Stop: 148550, Start Num: 4
Candidate Starts for Naija_254:
(1, 145245), (Start: 4 @145527 has 126 MA's), (5, 145593), (6, 145635), (7, 145659), (8, 145677), (9, 145716), (11, 145788), (12, 145803), (14, 145860), (15, 145866), (16, 145893), (19, 145968), (20, 145980), (23, 146055), (24, 146058), (29, 146166), (33, 146277), (35, 146364), (36, 146394), (37, 146412), (39, 146436), (41, 146451), (50, 146742), (51, 146802), (53, 146850), (54, 146859), (56, 146931), (58, 147033), (60, 147078), (62, 147108), (63, 147171), (64, 147186), (72, 147345), (73, 147369), (74, 147426), (77, 147513), (80, 147621), (86, 147792), (87, 147804), (89, 147855), (92, 147912), (97, 148059), (101, 148182), (102, 148209), (103, 148212), (104, 148215), (105, 148218), (107, 148275), (108, 148323), (110, 148383), (111, 148392), (112, 148503),

Gene: Napoleon13_250 Start: 144556, Stop: 147579, Start Num: 4
Candidate Starts for Napoleon13_250:
(1, 144274), (Start: 4 @144556 has 126 MA's), (5, 144622), (6, 144664), (7, 144688), (8, 144706), (9, 144745), (11, 144817), (12, 144832), (14, 144889), (15, 144895), (16, 144922), (19, 144997), (20, 145009), (23, 145084), (24, 145087), (29, 145195), (33, 145306), (35, 145393), (36, 145423), (37, 145441), (39, 145465), (41, 145480), (50, 145771), (51, 145831), (53, 145879), (54, 145888), (56, 145960), (58, 146062), (60, 146107), (62, 146137), (63, 146200), (64, 146215), (72, 146374), (73, 146398), (74, 146455), (77, 146542), (80, 146650), (81, 146710), (86, 146821), (87, 146833), (89, 146884), (92, 146941), (97, 147088), (101, 147211), (102, 147238), (103, 147241), (104, 147244), (105, 147247), (107, 147304), (108, 147352), (110, 147412), (111, 147421), (112, 147532),

Gene: Naval22_260 Start: 147307, Stop: 150330, Start Num: 4
Candidate Starts for Naval22_260:
(1, 147025), (Start: 4 @147307 has 126 MA's), (5, 147373), (6, 147415), (7, 147439), (8, 147457), (9, 147496), (11, 147568), (12, 147583), (14, 147640), (15, 147646), (16, 147673), (19, 147748), (20, 147760), (23, 147835), (24, 147838), (29, 147946), (31, 148030), (33, 148057), (35, 148144), (36, 148174), (37, 148192), (39, 148216), (41, 148231), (50, 148522), (51, 148582), (53, 148630), (54,

148639), (56, 148711), (58, 148813), (60, 148858), (62, 148888), (63, 148951), (64, 148966), (72, 149125), (73, 149149), (74, 149206), (77, 149293), (80, 149401), (81, 149461), (86, 149572), (87, 149584), (88, 149593), (89, 149635), (92, 149692), (94, 149824), (97, 149839), (101, 149962), (102, 149989), (103, 149992), (104, 149995), (105, 149998), (107, 150055), (108, 150103), (110, 150163), (111, 150172), (112, 150283),

Gene: Ngannou_248 Start: 144509, Stop: 147532, Start Num: 4
Candidate Starts for Ngannou_248:
(1, 144227), (Start: 4 @144509 has 126 MA's), (5, 144575), (6, 144617), (7, 144641), (8, 144659), (9, 144698), (11, 144770), (12, 144785), (14, 144842), (15, 144848), (16, 144875), (19, 144950), (20, 144962), (23, 145037), (24, 145040), (29, 145148), (33, 145259), (35, 145346), (36, 145376), (37, 145394), (39, 145418), (41, 145433), (50, 145724), (51, 145784), (53, 145832), (54, 145841), (56, 145913), (58, 146015), (60, 146060), (62, 146090), (63, 146153), (64, 146168), (72, 146327), (73, 146351), (74, 146408), (77, 146495), (80, 146603), (86, 146774), (87, 146786), (89, 146837), (92, 146894), (97, 147041), (101, 147164), (102, 147191), (103, 147194), (104, 147197), (105, 147200), (107, 147257), (108, 147305), (110, 147365), (111, 147374), (112, 147485),

Gene: Nidhogg_254 Start: 146353, Stop: 149376, Start Num: 4
Candidate Starts for Nidhogg_254:
(1, 146071), (Start: 4 @146353 has 126 MA's), (5, 146419), (6, 146461), (7, 146485), (8, 146503), (9, 146542), (11, 146614), (12, 146629), (14, 146686), (15, 146692), (16, 146719), (19, 146794), (20, 146806), (23, 146881), (24, 146884), (29, 146992), (31, 147076), (33, 147103), (35, 147190), (36, 147220), (37, 147238), (39, 147262), (41, 147277), (50, 147568), (51, 147628), (53, 147676), (54, 147685), (55, 147709), (58, 147859), (60, 147904), (62, 147934), (63, 147997), (64, 148012), (72, 148171), (73, 148195), (74, 148252), (77, 148339), (80, 148447), (81, 148507), (86, 148618), (87, 148630), (88, 148639), (89, 148681), (92, 148738), (94, 148870), (97, 148885), (101, 149008), (102, 149035), (103, 149038), (104, 149041), (105, 149044), (107, 149101), (108, 149149), (110, 149209), (111, 149218), (112, 149329),

Gene: NoodleTree_249 Start: 141104, Stop: 144127, Start Num: 4
Candidate Starts for NoodleTree_249:
(1, 140822), (Start: 4 @141104 has 126 MA's), (5, 141170), (6, 141212), (7, 141236), (8, 141254), (9, 141293), (11, 141365), (12, 141380), (14, 141437), (15, 141443), (16, 141470), (19, 141545), (20, 141557), (23, 141632), (24, 141635), (29, 141743), (31, 141827), (33, 141854), (35, 141941), (36, 141971), (37, 141989), (39, 142013), (41, 142028), (50, 142319), (51, 142379), (53, 142427), (54, 142436), (55, 142460), (58, 142610), (60, 142655), (62, 142685), (63, 142748), (64, 142763), (72, 142922), (73, 142946), (74, 143003), (77, 143090), (80, 143198), (81, 143258), (86, 143369), (87, 143381), (88, 143390), (89, 143432), (92, 143489), (94, 143621), (97, 143636), (101, 143759), (102, 143786), (103, 143789), (104, 143792), (105, 143795), (107, 143852), (108, 143900), (110, 143960), (111, 143969), (112, 144080),

Gene: Patter_255 Start: 145484, Stop: 148507, Start Num: 4
Candidate Starts for Patter_255:
(1, 145202), (Start: 4 @145484 has 126 MA's), (5, 145550), (6, 145592), (7, 145616), (8, 145634), (9, 145673), (11, 145745), (12, 145760), (14, 145817), (15, 145823), (16, 145850), (19, 145925), (20, 145937), (23, 146012), (24, 146015), (29, 146123), (33, 146234), (35, 146321), (36, 146351), (37, 146369), (39, 146393), (41, 146408), (50, 146699), (51, 146759), (53, 146807), (54, 146816), (56, 146888), (58, 146990), (60, 147035), (62, 147065), (63, 147128), (64, 147143), (72, 147302), (73, 147326), (74, 147383), (77, 147470), (80, 147578), (81, 147638), (86, 147749), (87, 147761), (89, 147812), (92, 147869), (97, 148016), (101, 148139), (102, 148166), (103, 148169), (104, 148172), (105, 148175), (107, 148232), (108, 148280), (110, 148340), (111, 148349), (112, 148460),

Gene: PharkleMinkus_254 Start: 144877, Stop: 147900, Start Num: 4

Candidate Starts for PharkleMinkus_254:
(1, 144595), (Start: 4 @144877 has 126 MA's), (5, 144943), (6, 144985), (7, 145009), (8, 145027), (9, 145066), (11, 145138), (12, 145153), (14, 145210), (15, 145216), (16, 145243), (19, 145318), (20, 145330), (23, 145405), (24, 145408), (29, 145516), (31, 145600), (33, 145627), (35, 145714), (36, 145744), (37, 145762), (39, 145786), (41, 145801), (50, 146092), (51, 146152), (53, 146200), (54, 146209), (55, 146233), (58, 146383), (60, 146428), (62, 146458), (63, 146521), (64, 146536), (72, 146695), (73, 146719), (74, 146776), (77, 146863), (80, 146971), (81, 147031), (86, 147142), (87, 147154), (88, 147163), (89, 147205), (92, 147262), (94, 147394), (97, 147409), (101, 147532), (102, 147559), (103, 147562), (104, 147565), (105, 147568), (107, 147625), (108, 147673), (110, 147733), (111, 147742), (112, 147853),

Gene: Phlegm_258 Start: 146230, Stop: 149253, Start Num: 4
Candidate Starts for Phlegm_258:
(1, 145948), (Start: 4 @146230 has 126 MA's), (5, 146296), (6, 146338), (7, 146362), (8, 146380), (9, 146419), (11, 146491), (12, 146506), (14, 146563), (15, 146569), (16, 146596), (19, 146671), (20, 146683), (23, 146758), (24, 146761), (29, 146869), (33, 146980), (35, 147067), (36, 147097), (37, 147115), (39, 147139), (41, 147154), (50, 147445), (51, 147505), (53, 147553), (54, 147562), (56, 147634), (58, 147736), (60, 147781), (62, 147811), (63, 147874), (64, 147889), (72, 148048), (73, 148072), (74, 148129), (77, 148216), (80, 148324), (86, 148495), (87, 148507), (89, 148558), (92, 148615), (97, 148762), (101, 148885), (102, 148912), (103, 148915), (104, 148918), (105, 148921), (107, 148978), (108, 149026), (110, 149086), (111, 149095), (112, 149206),

Gene: Phrappuccino_2 Start: 1651, Stop: 4911, Start Num: 2
Candidate Starts for Phrappuccino_2:
(Start: 2 @1651 has 2 MA's), (9, 1867), (10, 1930), (11, 1939), (13, 2005), (17, 2053), (18, 2116), (21, 2140), (22, 2203), (23, 2206), (25, 2245), (26, 2281), (27, 2299), (28, 2317), (29, 2332), (30, 2350), (32, 2422), (33, 2443), (34, 2446), (37, 2590), (40, 2617), (42, 2674), (43, 2698), (44, 2716), (45, 2770), (46, 2830), (47, 2851), (48, 2863), (49, 2890), (52, 3022), (57, 3283), (59, 3310), (60, 3349), (61, 3358), (65, 3517), (66, 3526), (67, 3559), (68, 3598), (69, 3616), (70, 3655), (71, 3661), (75, 3772), (76, 3835), (78, 3901), (79, 3955), (80, 3991), (82, 4102), (83, 4147), (84, 4171), (85, 4201), (88, 4234), (90, 4297), (91, 4300), (93, 4432), (95, 4492), (96, 4498), (98, 4552), (99, 4573), (100, 4588), (104, 4645), (105, 4648), (106, 4702), (109, 4807),

Gene: Phusco_252 Start: 145062, Stop: 148085, Start Num: 4
Candidate Starts for Phusco_252:
(1, 144780), (Start: 4 @145062 has 126 MA's), (5, 145128), (6, 145170), (7, 145194), (8, 145212), (9, 145251), (11, 145323), (12, 145338), (14, 145395), (15, 145401), (16, 145428), (19, 145503), (20, 145515), (23, 145590), (24, 145593), (29, 145701), (31, 145785), (33, 145812), (35, 145899), (36, 145929), (37, 145947), (39, 145971), (41, 145986), (50, 146277), (51, 146337), (53, 146385), (54, 146394), (56, 146466), (58, 146568), (60, 146613), (62, 146643), (63, 146706), (64, 146721), (72, 146880), (73, 146904), (74, 146961), (77, 147048), (80, 147156), (81, 147216), (86, 147327), (87, 147339), (88, 147348), (89, 147390), (92, 147447), (94, 147579), (97, 147594), (101, 147717), (102, 147744), (103, 147747), (104, 147750), (105, 147753), (107, 147810), (108, 147858), (110, 147918), (111, 147927), (112, 148038),

Gene: Pier_252 Start: 146355, Stop: 149378, Start Num: 4
Candidate Starts for Pier_252:
(1, 146073), (Start: 4 @146355 has 126 MA's), (5, 146421), (6, 146463), (7, 146487), (8, 146505), (9, 146544), (11, 146616), (12, 146631), (14, 146688), (15, 146694), (16, 146721), (19, 146796), (20, 146808), (23, 146883), (24, 146886), (29, 146994), (31, 147078), (33, 147105), (35, 147192), (36, 147222), (37, 147240), (39, 147264), (41, 147279), (50, 147570), (51, 147630), (53, 147678), (54, 147687), (55, 147711), (58, 147861), (60, 147906), (62, 147936), (63, 147999), (64, 148014), (72, 148173), (73, 148197), (74, 148254), (77, 148341), (80, 148449), (81, 148509), (86, 148620), (87,

148632), (88, 148641), (89, 148683), (92, 148740), (94, 148872), (97, 148887), (101, 149010), (102, 149037), (103, 149040), (104, 149043), (105, 149046), (107, 149103), (108, 149151), (110, 149211), (111, 149220), (112, 149331),

Gene: Pinkcreek_233 Start: 142681, Stop: 145704, Start Num: 4
Candidate Starts for Pinkcreek_233:
(Start: 4 @142681 has 126 MA's), (5, 142747), (6, 142789), (7, 142813), (8, 142831), (9, 142870), (11, 142942), (12, 142957), (14, 143014), (15, 143020), (16, 143047), (19, 143122), (20, 143134), (23, 143209), (24, 143212), (29, 143320), (33, 143431), (35, 143518), (36, 143548), (37, 143566), (39, 143590), (41, 143605), (50, 143896), (51, 143956), (53, 144004), (54, 144013), (55, 144037), (58, 144187), (60, 144232), (62, 144262), (63, 144325), (64, 144340), (72, 144499), (73, 144523), (74, 144580), (77, 144667), (80, 144775), (81, 144835), (86, 144946), (87, 144958), (88, 144967), (89, 145009), (92, 145066), (94, 145198), (97, 145213), (101, 145336), (102, 145363), (103, 145366), (104, 145369), (105, 145372), (107, 145429), (108, 145477), (110, 145537), (111, 145546), (112, 145657),

Gene: Pivoine_254 Start: 145527, Stop: 148550, Start Num: 4
Candidate Starts for Pivoine_254:
(1, 145245), (Start: 4 @145527 has 126 MA's), (5, 145593), (6, 145635), (7, 145659), (8, 145677), (9, 145716), (11, 145788), (12, 145803), (14, 145860), (15, 145866), (16, 145893), (19, 145968), (20, 145980), (23, 146055), (24, 146058), (29, 146166), (33, 146277), (35, 146364), (36, 146394), (37, 146412), (39, 146436), (41, 146451), (50, 146742), (51, 146802), (53, 146850), (54, 146859), (56, 146931), (58, 147033), (60, 147078), (62, 147108), (63, 147171), (64, 147186), (72, 147345), (73, 147369), (74, 147426), (77, 147513), (80, 147621), (86, 147792), (87, 147804), (89, 147855), (92, 147912), (97, 148059), (101, 148182), (102, 148209), (103, 148212), (104, 148215), (105, 148218), (107, 148275), (108, 148323), (110, 148383), (111, 148392), (112, 148503),

Gene: Primadonna_249 Start: 145639, Stop: 148662, Start Num: 4
Candidate Starts for Primadonna_249:
(1, 145357), (Start: 4 @145639 has 126 MA's), (5, 145705), (6, 145747), (7, 145771), (8, 145789), (9, 145828), (11, 145900), (12, 145915), (14, 145972), (15, 145978), (16, 146005), (19, 146080), (20, 146092), (23, 146167), (24, 146170), (29, 146278), (31, 146362), (33, 146389), (35, 146476), (36, 146506), (37, 146524), (39, 146548), (41, 146563), (50, 146854), (51, 146914), (53, 146962), (54, 146971), (55, 146995), (58, 147145), (60, 147190), (62, 147220), (63, 147283), (64, 147298), (72, 147457), (73, 147481), (74, 147538), (77, 147625), (80, 147733), (81, 147793), (86, 147904), (87, 147916), (89, 147967), (92, 148024), (97, 148171), (101, 148294), (102, 148321), (103, 148324), (104, 148327), (105, 148330), (107, 148387), (108, 148435), (110, 148495), (111, 148504), (112, 148615),

Gene: Puhon_254 Start: 146186, Stop: 149209, Start Num: 4
Candidate Starts for Puhon_254:
(1, 145904), (Start: 4 @146186 has 126 MA's), (5, 146252), (6, 146294), (7, 146318), (8, 146336), (9, 146375), (11, 146447), (12, 146462), (14, 146519), (15, 146525), (16, 146552), (19, 146627), (20, 146639), (23, 146714), (24, 146717), (29, 146825), (31, 146909), (33, 146936), (35, 147023), (36, 147053), (37, 147071), (39, 147095), (41, 147110), (50, 147401), (51, 147461), (53, 147509), (54, 147518), (55, 147542), (58, 147692), (60, 147737), (62, 147767), (63, 147830), (64, 147845), (72, 148004), (73, 148028), (74, 148085), (77, 148172), (80, 148280), (81, 148340), (86, 148451), (87, 148463), (88, 148472), (89, 148514), (92, 148571), (94, 148703), (97, 148718), (101, 148841), (102, 148868), (103, 148871), (104, 148874), (105, 148877), (107, 148934), (108, 148982), (110, 149042), (111, 149051), (112, 149162),

Gene: Pupusa_256 Start: 146853, Stop: 149876, Start Num: 4
Candidate Starts for Pupusa_256:
(1, 146571), (Start: 4 @146853 has 126 MA's), (5, 146919), (6, 146961), (7, 146985), (8, 147003), (9, 147042), (11, 147114), (12, 147129), (14, 147186), (15, 147192), (16, 147219), (19, 147294), (20,

147306), (23, 147381), (24, 147384), (29, 147492), (31, 147576), (33, 147603), (35, 147690), (36, 147720), (37, 147738), (39, 147762), (41, 147777), (50, 148068), (51, 148128), (53, 148176), (54, 148185), (55, 148209), (58, 148359), (60, 148404), (62, 148434), (63, 148497), (64, 148512), (72, 148671), (73, 148695), (74, 148752), (77, 148839), (80, 148947), (81, 149007), (86, 149118), (87, 149130), (88, 149139), (89, 149181), (92, 149238), (94, 149370), (97, 149385), (101, 149508), (102, 149535), (103, 149538), (104, 149541), (105, 149544), (107, 149601), (108, 149649), (110, 149709), (111, 149718), (112, 149829),

Gene: QBert_245 Start: 143877, Stop: 146900, Start Num: 4
Candidate Starts for QBert_245:
(1, 143595), (Start: 4 @143877 has 126 MA's), (5, 143943), (6, 143985), (7, 144009), (8, 144027), (9, 144066), (11, 144138), (12, 144153), (14, 144210), (15, 144216), (16, 144243), (19, 144318), (20, 144330), (23, 144405), (24, 144408), (29, 144516), (31, 144600), (33, 144627), (35, 144714), (36, 144744), (37, 144762), (39, 144786), (41, 144801), (50, 145092), (51, 145152), (53, 145200), (54, 145209), (56, 145281), (58, 145383), (60, 145428), (62, 145458), (63, 145521), (64, 145536), (72, 145695), (73, 145719), (74, 145776), (77, 145863), (80, 145971), (81, 146031), (86, 146142), (87, 146154), (88, 146163), (89, 146205), (92, 146262), (94, 146394), (97, 146409), (101, 146532), (102, 146559), (103, 146562), (104, 146565), (105, 146568), (107, 146625), (108, 146673), (110, 146733), (111, 146742), (112, 146853),

Gene: Quasimodo_256 Start: 145863, Stop: 148886, Start Num: 4
Candidate Starts for Quasimodo_256:
(1, 145581), (Start: 4 @145863 has 126 MA's), (5, 145929), (6, 145971), (7, 145995), (8, 146013), (9, 146052), (11, 146124), (12, 146139), (14, 146196), (15, 146202), (16, 146229), (19, 146304), (20, 146316), (23, 146391), (24, 146394), (29, 146502), (33, 146613), (35, 146700), (36, 146730), (37, 146748), (39, 146772), (41, 146787), (50, 147078), (51, 147138), (53, 147186), (54, 147195), (56, 147267), (58, 147369), (60, 147414), (62, 147444), (63, 147507), (64, 147522), (72, 147681), (73, 147705), (74, 147762), (77, 147849), (80, 147957), (86, 148128), (87, 148140), (89, 148191), (92, 148248), (97, 148395), (101, 148518), (102, 148545), (103, 148548), (104, 148551), (105, 148554), (107, 148611), (108, 148659), (110, 148719), (111, 148728), (112, 148839),

Gene: Rabinovish_246 Start: 144367, Stop: 147390, Start Num: 4
Candidate Starts for Rabinovish_246:
(1, 144085), (Start: 4 @144367 has 126 MA's), (5, 144433), (6, 144475), (7, 144499), (8, 144517), (9, 144556), (11, 144628), (12, 144643), (14, 144700), (15, 144706), (16, 144733), (19, 144808), (20, 144820), (23, 144895), (24, 144898), (29, 145006), (33, 145117), (35, 145204), (36, 145234), (37, 145252), (39, 145276), (41, 145291), (50, 145582), (51, 145642), (53, 145690), (54, 145699), (55, 145723), (58, 145873), (60, 145918), (62, 145948), (63, 146011), (64, 146026), (72, 146185), (73, 146209), (74, 146266), (80, 146461), (81, 146521), (86, 146632), (87, 146644), (89, 146695), (92, 146752), (97, 146899), (101, 147022), (102, 147049), (103, 147052), (104, 147055), (105, 147058), (107, 147115), (108, 147163), (110, 147223), (111, 147232), (112, 147343),

Gene: Rahel_255 Start: 145965, Stop: 148988, Start Num: 4
Candidate Starts for Rahel_255:
(1, 145683), (Start: 4 @145965 has 126 MA's), (5, 146031), (6, 146073), (7, 146097), (8, 146115), (9, 146154), (11, 146226), (12, 146241), (14, 146298), (15, 146304), (16, 146331), (19, 146406), (20, 146418), (23, 146493), (24, 146496), (29, 146604), (31, 146688), (33, 146715), (35, 146802), (36, 146832), (37, 146850), (39, 146874), (41, 146889), (50, 147180), (51, 147240), (53, 147288), (54, 147297), (56, 147369), (58, 147471), (60, 147516), (62, 147546), (63, 147609), (64, 147624), (72, 147783), (73, 147807), (74, 147864), (77, 147951), (80, 148059), (81, 148119), (86, 148230), (87, 148242), (88, 148251), (89, 148293), (92, 148350), (94, 148482), (97, 148497), (101, 148620), (102, 148647), (103, 148650), (104, 148653), (105, 148656), (107, 148713), (108, 148761), (110, 148821), (111, 148830), (112, 148941),

Gene: Rizal_242 Start: 143780, Stop: 146803, Start Num: 4
Candidate Starts for Rizal_242:
(1, 143498), (Start: 4 @143780 has 126 MA's), (5, 143846), (6, 143888), (7, 143912), (8, 143930), (9, 143969), (11, 144041), (12, 144056), (14, 144113), (15, 144119), (16, 144146), (19, 144221), (20, 144233), (23, 144308), (24, 144311), (29, 144419), (31, 144503), (33, 144530), (35, 144617), (36, 144647), (37, 144665), (39, 144689), (41, 144704), (50, 144995), (51, 145055), (53, 145103), (54, 145112), (56, 145184), (58, 145286), (60, 145331), (62, 145361), (63, 145424), (64, 145439), (72, 145598), (73, 145622), (74, 145679), (77, 145766), (80, 145874), (81, 145934), (86, 146045), (87, 146057), (88, 146066), (89, 146108), (92, 146165), (94, 146297), (97, 146312), (101, 146435), (102, 146462), (103, 146465), (104, 146468), (105, 146471), (107, 146528), (108, 146576), (110, 146636), (111, 146645), (112, 146756),

Gene: RoMag_248 Start: 145561, Stop: 148584, Start Num: 4
Candidate Starts for RoMag_248:
(1, 145279), (Start: 4 @145561 has 126 MA's), (5, 145627), (6, 145669), (7, 145693), (8, 145711), (9, 145750), (11, 145822), (12, 145837), (14, 145894), (15, 145900), (16, 145927), (19, 146002), (20, 146014), (23, 146089), (24, 146092), (29, 146200), (31, 146284), (33, 146311), (35, 146398), (36, 146428), (37, 146446), (39, 146470), (41, 146485), (50, 146776), (51, 146836), (53, 146884), (54, 146893), (55, 146917), (58, 147067), (60, 147112), (62, 147142), (63, 147205), (64, 147220), (72, 147379), (73, 147403), (74, 147460), (77, 147547), (80, 147655), (81, 147715), (86, 147826), (87, 147838), (88, 147847), (89, 147889), (92, 147946), (94, 148078), (97, 148093), (101, 148216), (102, 148243), (103, 148246), (104, 148249), (105, 148252), (107, 148309), (108, 148357), (110, 148417), (111, 148426), (112, 148537),

Gene: Rocha_249 Start: 145126, Stop: 148149, Start Num: 4
Candidate Starts for Rocha_249:
(1, 144844), (Start: 4 @145126 has 126 MA's), (5, 145192), (6, 145234), (7, 145258), (8, 145276), (9, 145315), (11, 145387), (12, 145402), (14, 145459), (15, 145465), (16, 145492), (19, 145567), (20, 145579), (23, 145654), (24, 145657), (29, 145765), (31, 145849), (33, 145876), (35, 145963), (36, 145993), (37, 146011), (39, 146035), (41, 146050), (50, 146341), (51, 146401), (53, 146449), (54, 146458), (55, 146482), (58, 146632), (60, 146677), (62, 146707), (63, 146770), (64, 146785), (72, 146944), (73, 146968), (74, 147025), (77, 147112), (80, 147220), (81, 147280), (86, 147391), (87, 147403), (89, 147454), (92, 147511), (97, 147658), (101, 147781), (102, 147808), (103, 147811), (104, 147814), (105, 147817), (107, 147874), (108, 147922), (110, 147982), (111, 147991), (112, 148102),

Gene: Ronan_249 Start: 143942, Stop: 146965, Start Num: 4
Candidate Starts for Ronan_249:
(Start: 4 @143942 has 126 MA's), (5, 144008), (6, 144050), (7, 144074), (8, 144092), (9, 144131), (11, 144203), (12, 144218), (14, 144275), (15, 144281), (16, 144308), (19, 144383), (20, 144395), (23, 144470), (24, 144473), (29, 144581), (31, 144665), (33, 144692), (35, 144779), (36, 144809), (37, 144827), (39, 144851), (41, 144866), (50, 145157), (51, 145217), (53, 145265), (54, 145274), (55, 145298), (58, 145448), (60, 145493), (62, 145523), (63, 145586), (64, 145601), (72, 145760), (73, 145784), (74, 145841), (77, 145928), (80, 146036), (81, 146096), (86, 146207), (87, 146219), (88, 146228), (89, 146270), (92, 146327), (94, 146459), (97, 146474), (101, 146597), (102, 146624), (103, 146627), (104, 146630), (105, 146633), (107, 146690), (108, 146738), (110, 146798), (111, 146807), (112, 146918),

Gene: Sauce_250 Start: 145289, Stop: 148312, Start Num: 4
Candidate Starts for Sauce_250:
(1, 145007), (Start: 4 @145289 has 126 MA's), (5, 145355), (6, 145397), (7, 145421), (8, 145439), (9, 145478), (11, 145550), (12, 145565), (14, 145622), (15, 145628), (16, 145655), (19, 145730), (20, 145742), (23, 145817), (24, 145820), (29, 145928), (31, 146012), (33, 146039), (35, 146126), (36,

146156), (37, 146174), (39, 146198), (41, 146213), (50, 146504), (51, 146564), (53, 146612), (54, 146621), (56, 146693), (58, 146795), (60, 146840), (62, 146870), (63, 146933), (64, 146948), (72, 147107), (73, 147131), (74, 147188), (77, 147275), (80, 147383), (81, 147443), (86, 147554), (87, 147566), (88, 147575), (89, 147617), (92, 147674), (94, 147806), (97, 147821), (101, 147944), (102, 147971), (103, 147974), (104, 147977), (105, 147980), (107, 148037), (108, 148085), (110, 148145), (111, 148154), (112, 148265),

Gene: ScottMcG_245 Start: 144490, Stop: 147513, Start Num: 4
Candidate Starts for ScottMcG_245:
(1, 144208), (Start: 4 @144490 has 126 MA's), (5, 144556), (6, 144598), (7, 144622), (8, 144640), (9, 144679), (11, 144751), (12, 144766), (14, 144823), (15, 144829), (16, 144856), (19, 144931), (20, 144943), (23, 145018), (24, 145021), (29, 145129), (33, 145240), (35, 145327), (36, 145357), (37, 145375), (39, 145399), (41, 145414), (50, 145705), (51, 145765), (53, 145813), (54, 145822), (56, 145894), (58, 145996), (60, 146041), (62, 146071), (63, 146134), (64, 146149), (72, 146308), (73, 146332), (74, 146389), (77, 146476), (80, 146584), (81, 146644), (86, 146755), (87, 146767), (89, 146818), (92, 146875), (97, 147022), (101, 147145), (102, 147172), (103, 147175), (104, 147178), (105, 147181), (107, 147238), (108, 147286), (110, 147346), (111, 147355), (112, 147466),

Gene: Settecandela_2 Start: 1651, Stop: 4911, Start Num: 2
Candidate Starts for Settecandela_2:
(Start: 2 @1651 has 2 MA's), (9, 1867), (10, 1930), (11, 1939), (13, 2005), (17, 2053), (18, 2116), (21, 2140), (22, 2203), (23, 2206), (25, 2245), (26, 2281), (27, 2299), (28, 2317), (29, 2332), (30, 2350), (32, 2422), (33, 2443), (34, 2446), (37, 2590), (40, 2617), (42, 2674), (43, 2698), (44, 2716), (45, 2770), (46, 2830), (47, 2851), (48, 2863), (49, 2890), (52, 3022), (57, 3283), (59, 3310), (60, 3349), (61, 3358), (65, 3517), (66, 3526), (67, 3559), (68, 3598), (69, 3616), (70, 3655), (71, 3661), (75, 3772), (76, 3835), (78, 3901), (79, 3955), (80, 3991), (82, 4102), (83, 4147), (84, 4171), (85, 4201), (88, 4234), (90, 4297), (91, 4300), (93, 4432), (95, 4492), (96, 4498), (98, 4552), (99, 4573), (100, 4588), (104, 4645), (105, 4648), (106, 4702), (109, 4807),

Gene: Shaqnato_244 Start: 144698, Stop: 147721, Start Num: 4
Candidate Starts for Shaqnato_244:
(1, 144416), (Start: 4 @144698 has 126 MA's), (5, 144764), (6, 144806), (7, 144830), (8, 144848), (9, 144887), (11, 144959), (12, 144974), (14, 145031), (15, 145037), (16, 145064), (19, 145139), (20, 145151), (23, 145226), (24, 145229), (29, 145337), (31, 145421), (33, 145448), (35, 145535), (36, 145565), (37, 145583), (39, 145607), (41, 145622), (50, 145913), (51, 145973), (53, 146021), (54, 146030), (56, 146102), (58, 146204), (60, 146249), (62, 146279), (63, 146342), (64, 146357), (72, 146516), (73, 146540), (74, 146597), (77, 146684), (80, 146792), (81, 146852), (86, 146963), (87, 146975), (88, 146984), (89, 147026), (92, 147083), (94, 147215), (97, 147230), (101, 147353), (102, 147380), (103, 147383), (104, 147386), (105, 147389), (107, 147446), (108, 147494), (110, 147554), (111, 147563), (112, 147674),

Gene: SilverDipper_258 Start: 146083, Stop: 149106, Start Num: 4
Candidate Starts for SilverDipper_258:
(1, 145801), (Start: 4 @146083 has 126 MA's), (5, 146149), (6, 146191), (7, 146215), (8, 146233), (9, 146272), (11, 146344), (12, 146359), (14, 146416), (15, 146422), (16, 146449), (19, 146524), (20, 146536), (23, 146611), (24, 146614), (29, 146722), (33, 146833), (35, 146920), (36, 146950), (37, 146968), (39, 146992), (41, 147007), (50, 147298), (51, 147358), (53, 147406), (54, 147415), (56, 147487), (58, 147589), (60, 147634), (62, 147664), (63, 147727), (64, 147742), (72, 147901), (73, 147925), (74, 147982), (77, 148069), (80, 148177), (86, 148348), (87, 148360), (89, 148411), (92, 148468), (97, 148615), (101, 148738), (102, 148765), (103, 148768), (104, 148771), (105, 148774), (107, 148831), (108, 148879), (110, 148939), (111, 148948), (112, 149059),

Gene: SiwenD96_256 Start: 147377, Stop: 150400, Start Num: 4

Candidate Starts for SiwenD96_256:
(1, 147095), (Start: 4 @147377 has 126 MA's), (5, 147443), (6, 147485), (7, 147509), (8, 147527), (9, 147566), (11, 147638), (12, 147653), (14, 147710), (15, 147716), (16, 147743), (19, 147818), (20, 147830), (23, 147905), (24, 147908), (29, 148016), (31, 148100), (33, 148127), (35, 148214), (36, 148244), (37, 148262), (39, 148286), (41, 148301), (50, 148592), (51, 148652), (53, 148700), (54, 148709), (56, 148781), (58, 148883), (60, 148928), (62, 148958), (63, 149021), (64, 149036), (72, 149195), (73, 149219), (74, 149276), (77, 149363), (80, 149471), (81, 149531), (86, 149642), (87, 149654), (88, 149663), (89, 149705), (92, 149762), (95, 149900), (97, 149909), (101, 150032), (102, 150059), (103, 150062), (104, 150065), (105, 150068), (107, 150125), (108, 150173), (110, 150233), (111, 150242), (112, 150353),

Gene: SmallFry_254 Start: 145441, Stop: 148464, Start Num: 4
Candidate Starts for SmallFry_254:
(1, 145159), (Start: 4 @145441 has 126 MA's), (5, 145507), (6, 145549), (7, 145573), (8, 145591), (9, 145630), (11, 145702), (12, 145717), (14, 145774), (15, 145780), (16, 145807), (19, 145882), (20, 145894), (23, 145969), (24, 145972), (29, 146080), (31, 146164), (33, 146191), (35, 146278), (36, 146308), (37, 146326), (39, 146350), (41, 146365), (50, 146656), (51, 146716), (53, 146764), (54, 146773), (56, 146845), (58, 146947), (60, 146992), (62, 147022), (63, 147085), (64, 147100), (72, 147259), (73, 147283), (74, 147340), (77, 147427), (80, 147535), (81, 147595), (86, 147706), (87, 147718), (88, 147727), (89, 147769), (92, 147826), (94, 147958), (97, 147973), (101, 148096), (102, 148123), (103, 148126), (104, 148129), (105, 148132), (107, 148189), (108, 148237), (110, 148297), (111, 148306), (112, 148417),

Gene: SoilZilla_246 Start: 144585, Stop: 147608, Start Num: 4
Candidate Starts for SoilZilla_246:
(1, 144303), (Start: 4 @144585 has 126 MA's), (5, 144651), (6, 144693), (7, 144717), (8, 144735), (9, 144774), (11, 144846), (12, 144861), (14, 144918), (15, 144924), (16, 144951), (19, 145026), (20, 145038), (23, 145113), (24, 145116), (29, 145224), (31, 145308), (33, 145335), (35, 145422), (36, 145452), (37, 145470), (39, 145494), (41, 145509), (50, 145800), (51, 145860), (53, 145908), (54, 145917), (55, 145941), (58, 146091), (60, 146136), (62, 146166), (63, 146229), (64, 146244), (72, 146403), (73, 146427), (74, 146484), (77, 146571), (80, 146679), (81, 146739), (86, 146850), (87, 146862), (88, 146871), (89, 146913), (92, 146970), (94, 147102), (97, 147117), (101, 147240), (102, 147267), (103, 147270), (104, 147273), (105, 147276), (107, 147333), (108, 147381), (110, 147441), (111, 147450), (112, 147561),

Gene: Spec_248 Start: 145453, Stop: 148476, Start Num: 4
Candidate Starts for Spec_248:
(1, 145171), (Start: 4 @145453 has 126 MA's), (5, 145519), (6, 145561), (7, 145585), (8, 145603), (9, 145642), (11, 145714), (12, 145729), (14, 145786), (15, 145792), (16, 145819), (19, 145894), (20, 145906), (23, 145981), (24, 145984), (29, 146092), (31, 146176), (33, 146203), (35, 146290), (36, 146320), (37, 146338), (39, 146362), (41, 146377), (50, 146668), (51, 146728), (53, 146776), (54, 146785), (56, 146857), (58, 146959), (60, 147004), (62, 147034), (63, 147097), (64, 147112), (72, 147271), (73, 147295), (74, 147352), (77, 147439), (80, 147547), (81, 147607), (86, 147718), (87, 147730), (88, 147739), (89, 147781), (92, 147838), (94, 147970), (97, 147985), (101, 148108), (102, 148135), (103, 148138), (104, 148141), (105, 148144), (107, 148201), (108, 148249), (110, 148309), (111, 148318), (112, 148429),

Gene: Specks_258 Start: 146381, Stop: 149404, Start Num: 4
Candidate Starts for Specks_258:
(1, 146099), (Start: 4 @146381 has 126 MA's), (5, 146447), (6, 146489), (7, 146513), (8, 146531), (9, 146570), (11, 146642), (12, 146657), (14, 146714), (15, 146720), (16, 146747), (19, 146822), (20, 146834), (23, 146909), (24, 146912), (29, 147020), (31, 147104), (33, 147131), (35, 147218), (36, 147248), (37, 147266), (39, 147290), (41, 147305), (50, 147596), (51, 147656), (53, 147704), (54,

147713), (55, 147737), (58, 147887), (60, 147932), (62, 147962), (63, 148025), (64, 148040), (72, 148199), (73, 148223), (74, 148280), (77, 148367), (80, 148475), (81, 148535), (86, 148646), (87, 148658), (88, 148667), (89, 148709), (92, 148766), (94, 148898), (97, 148913), (101, 149036), (102, 149063), (103, 149066), (104, 149069), (105, 149072), (107, 149129), (108, 149177), (110, 149237), (111, 149246), (112, 149357),

Gene: Sprinklers_251 Start: 145149, Stop: 148172, Start Num: 4
Candidate Starts for Sprinklers_251:
(1, 144867), (Start: 4 @145149 has 126 MA's), (5, 145215), (6, 145257), (7, 145281), (8, 145299), (9, 145338), (11, 145410), (12, 145425), (14, 145482), (15, 145488), (16, 145515), (19, 145590), (20, 145602), (23, 145677), (24, 145680), (29, 145788), (31, 145872), (33, 145899), (35, 145986), (36, 146016), (37, 146034), (39, 146058), (41, 146073), (50, 146364), (51, 146424), (53, 146472), (54, 146481), (56, 146553), (58, 146655), (60, 146700), (62, 146730), (63, 146793), (64, 146808), (72, 146967), (73, 146991), (74, 147048), (77, 147135), (80, 147243), (81, 147303), (86, 147414), (87, 147426), (88, 147435), (89, 147477), (92, 147534), (94, 147666), (97, 147681), (101, 147804), (102, 147831), (103, 147834), (104, 147837), (105, 147840), (107, 147897), (108, 147945), (110, 148005), (111, 148014), (112, 148125),

Gene: Spud_245 Start: 144898, Stop: 147921, Start Num: 4
Candidate Starts for Spud_245:
(1, 144616), (Start: 4 @144898 has 126 MA's), (5, 144964), (6, 145006), (7, 145030), (8, 145048), (9, 145087), (11, 145159), (12, 145174), (14, 145231), (15, 145237), (16, 145264), (19, 145339), (20, 145351), (23, 145426), (24, 145429), (29, 145537), (31, 145621), (33, 145648), (35, 145735), (36, 145765), (37, 145783), (39, 145807), (41, 145822), (50, 146113), (51, 146173), (53, 146221), (54, 146230), (56, 146302), (58, 146404), (60, 146449), (62, 146479), (63, 146542), (64, 146557), (72, 146716), (73, 146740), (74, 146797), (77, 146884), (80, 146992), (81, 147052), (86, 147163), (87, 147175), (88, 147184), (89, 147226), (92, 147283), (94, 147415), (97, 147430), (101, 147553), (102, 147580), (103, 147583), (104, 147586), (105, 147589), (107, 147646), (108, 147694), (110, 147754), (111, 147763), (112, 147874),

Gene: StephanieG_247 Start: 146084, Stop: 149107, Start Num: 4
Candidate Starts for StephanieG_247:
(1, 145802), (Start: 4 @146084 has 126 MA's), (5, 146150), (6, 146192), (7, 146216), (8, 146234), (9, 146273), (11, 146345), (12, 146360), (14, 146417), (15, 146423), (16, 146450), (19, 146525), (20, 146537), (23, 146612), (24, 146615), (29, 146723), (31, 146807), (33, 146834), (35, 146921), (36, 146951), (37, 146969), (39, 146993), (41, 147008), (50, 147299), (51, 147359), (53, 147407), (54, 147416), (55, 147440), (58, 147590), (60, 147635), (62, 147665), (63, 147728), (64, 147743), (72, 147902), (73, 147926), (74, 147983), (77, 148070), (80, 148178), (81, 148238), (86, 148349), (87, 148361), (88, 148370), (89, 148412), (92, 148469), (94, 148601), (97, 148616), (101, 148739), (102, 148766), (103, 148769), (104, 148772), (105, 148775), (107, 148832), (108, 148880), (110, 148940), (111, 148949), (112, 149060),

Gene: Stubby_236 Start: 142869, Stop: 145892, Start Num: 4
Candidate Starts for Stubby_236:
(Start: 4 @142869 has 126 MA's), (5, 142935), (6, 142977), (7, 143001), (8, 143019), (9, 143058), (11, 143130), (12, 143145), (14, 143202), (15, 143208), (16, 143235), (19, 143310), (20, 143322), (23, 143397), (24, 143400), (29, 143508), (33, 143619), (35, 143706), (36, 143736), (37, 143754), (39, 143778), (41, 143793), (50, 144084), (51, 144144), (53, 144192), (54, 144201), (55, 144225), (58, 144375), (60, 144420), (62, 144450), (63, 144513), (64, 144528), (72, 144687), (73, 144711), (74, 144768), (77, 144855), (80, 144963), (81, 145023), (86, 145134), (87, 145146), (88, 145155), (89, 145197), (92, 145254), (97, 145401), (101, 145524), (102, 145551), (103, 145554), (104, 145557), (105, 145560), (107, 145617), (108, 145665), (110, 145725), (111, 145734), (112, 145845),

Gene: StubbySaigey_260 Start: 146066, Stop: 149089, Start Num: 4
Candidate Starts for StubbySaigey_260:
(1, 145784), (Start: 4 @146066 has 126 MA's), (5, 146132), (6, 146174), (7, 146198), (8, 146216), (9, 146255), (11, 146327), (12, 146342), (14, 146399), (15, 146405), (16, 146432), (19, 146507), (20, 146519), (23, 146594), (24, 146597), (29, 146705), (33, 146816), (35, 146903), (36, 146933), (37, 146951), (39, 146975), (41, 146990), (50, 147281), (51, 147341), (53, 147389), (54, 147398), (56, 147470), (58, 147572), (60, 147617), (62, 147647), (63, 147710), (64, 147725), (72, 147884), (73, 147908), (74, 147965), (77, 148052), (80, 148160), (81, 148220), (86, 148331), (87, 148343), (89, 148394), (92, 148451), (97, 148598), (101, 148721), (102, 148748), (103, 148751), (104, 148754), (105, 148757), (107, 148814), (108, 148862), (110, 148922), (111, 148931), (112, 149042),

Gene: Substance289_249 Start: 145489, Stop: 148512, Start Num: 4
Candidate Starts for Substance289_249:
(1, 145207), (Start: 4 @145489 has 126 MA's), (5, 145555), (6, 145597), (7, 145621), (8, 145639), (9, 145678), (11, 145750), (12, 145765), (14, 145822), (15, 145828), (16, 145855), (19, 145930), (20, 145942), (23, 146017), (24, 146020), (29, 146128), (33, 146239), (35, 146326), (36, 146356), (37, 146374), (39, 146398), (41, 146413), (50, 146704), (51, 146764), (53, 146812), (54, 146821), (56, 146893), (58, 146995), (60, 147040), (62, 147070), (63, 147133), (64, 147148), (72, 147307), (73, 147331), (74, 147388), (77, 147475), (80, 147583), (86, 147754), (87, 147766), (89, 147817), (92, 147874), (97, 148021), (101, 148144), (102, 148171), (103, 148174), (104, 148177), (105, 148180), (107, 148237), (108, 148285), (110, 148345), (111, 148354), (112, 148465),

Gene: Tainan_253 Start: 145004, Stop: 148027, Start Num: 4
Candidate Starts for Tainan_253:
(1, 144722), (Start: 4 @145004 has 126 MA's), (5, 145070), (6, 145112), (7, 145136), (8, 145154), (9, 145193), (11, 145265), (12, 145280), (14, 145337), (15, 145343), (16, 145370), (19, 145445), (20, 145457), (23, 145532), (24, 145535), (29, 145643), (31, 145727), (33, 145754), (35, 145841), (36, 145871), (37, 145889), (39, 145913), (41, 145928), (50, 146219), (51, 146279), (53, 146327), (54, 146336), (55, 146360), (58, 146510), (60, 146555), (62, 146585), (63, 146648), (64, 146663), (72, 146822), (73, 146846), (74, 146903), (77, 146990), (80, 147098), (81, 147158), (86, 147269), (87, 147281), (88, 147290), (89, 147332), (92, 147389), (94, 147521), (97, 147536), (101, 147659), (102, 147686), (103, 147689), (104, 147692), (105, 147695), (107, 147752), (108, 147800), (110, 147860), (111, 147869), (112, 147980),

Gene: Teardrop_252 Start: 145393, Stop: 148416, Start Num: 4
Candidate Starts for Teardrop_252:
(1, 145111), (Start: 4 @145393 has 126 MA's), (5, 145459), (6, 145501), (7, 145525), (8, 145543), (9, 145582), (11, 145654), (12, 145669), (14, 145726), (15, 145732), (16, 145759), (19, 145834), (20, 145846), (23, 145921), (24, 145924), (29, 146032), (31, 146116), (33, 146143), (35, 146230), (36, 146260), (37, 146278), (39, 146302), (41, 146317), (50, 146608), (51, 146668), (53, 146716), (54, 146725), (55, 146749), (58, 146899), (60, 146944), (62, 146974), (63, 147037), (64, 147052), (72, 147211), (73, 147235), (74, 147292), (77, 147379), (80, 147487), (81, 147547), (86, 147658), (87, 147670), (88, 147679), (89, 147721), (92, 147778), (95, 147916), (97, 147925), (101, 148048), (102, 148075), (103, 148078), (104, 148081), (105, 148084), (107, 148141), (108, 148189), (110, 148249), (111, 148258), (112, 148369),

Gene: Trinitium_250 Start: 144114, Stop: 147137, Start Num: 4
Candidate Starts for Trinitium_250:
(1, 143832), (Start: 4 @144114 has 126 MA's), (5, 144180), (6, 144222), (7, 144246), (8, 144264), (9, 144303), (11, 144375), (12, 144390), (14, 144447), (15, 144453), (16, 144480), (19, 144555), (20, 144567), (23, 144642), (24, 144645), (29, 144753), (33, 144864), (35, 144951), (36, 144981), (37, 144999), (39, 145023), (41, 145038), (50, 145329), (51, 145389), (53, 145437), (54, 145446), (56, 145518), (58, 145620), (60, 145665), (62, 145695), (63, 145758), (64, 145773), (72, 145932), (73,

145956), (74, 146013), (77, 146100), (80, 146208), (81, 146268), (86, 146379), (87, 146391), (89, 146442), (92, 146499), (97, 146646), (101, 146769), (102, 146796), (103, 146799), (104, 146802), (105, 146805), (107, 146862), (108, 146910), (110, 146970), (111, 146979), (112, 147090),

Gene: Turret_244 Start: 143247, Stop: 146270, Start Num: 4
Candidate Starts for Turret_244:
(1, 142965), (Start: 4 @143247 has 126 MA's), (5, 143313), (6, 143355), (7, 143379), (8, 143397), (9, 143436), (11, 143508), (12, 143523), (14, 143580), (15, 143586), (16, 143613), (19, 143688), (20, 143700), (23, 143775), (24, 143778), (29, 143886), (33, 143997), (35, 144084), (36, 144114), (37, 144132), (39, 144156), (41, 144171), (50, 144462), (51, 144522), (53, 144570), (54, 144579), (56, 144651), (58, 144753), (60, 144798), (62, 144828), (63, 144891), (64, 144906), (72, 145065), (73, 145089), (74, 145146), (77, 145233), (80, 145341), (81, 145401), (86, 145512), (87, 145524), (89, 145575), (92, 145632), (97, 145779), (101, 145902), (102, 145929), (103, 145932), (104, 145935), (105, 145938), (107, 145995), (108, 146043), (110, 146103), (111, 146112), (112, 146223),

Gene: ValleyTerrace_254 Start: 144824, Stop: 147847, Start Num: 4
Candidate Starts for ValleyTerrace_254:
(1, 144542), (Start: 4 @144824 has 126 MA's), (5, 144890), (6, 144932), (7, 144956), (8, 144974), (9, 145013), (11, 145085), (12, 145100), (14, 145157), (15, 145163), (16, 145190), (19, 145265), (20, 145277), (23, 145352), (24, 145355), (29, 145463), (33, 145574), (35, 145661), (36, 145691), (37, 145709), (39, 145733), (41, 145748), (50, 146039), (51, 146099), (53, 146147), (54, 146156), (56, 146228), (58, 146330), (60, 146375), (62, 146405), (63, 146468), (64, 146483), (72, 146642), (73, 146666), (74, 146723), (77, 146810), (80, 146918), (86, 147089), (87, 147101), (89, 147152), (92, 147209), (97, 147356), (101, 147479), (102, 147506), (103, 147509), (104, 147512), (105, 147515), (107, 147572), (108, 147620), (110, 147680), (111, 147689), (112, 147800),

Gene: Wally_251 Start: 144808, Stop: 147831, Start Num: 4
Candidate Starts for Wally_251:
(1, 144526), (Start: 4 @144808 has 126 MA's), (5, 144874), (6, 144916), (7, 144940), (8, 144958), (9, 144997), (11, 145069), (12, 145084), (14, 145141), (15, 145147), (16, 145174), (19, 145249), (20, 145261), (23, 145336), (24, 145339), (29, 145447), (31, 145531), (33, 145558), (35, 145645), (36, 145675), (37, 145693), (39, 145717), (41, 145732), (50, 146023), (51, 146083), (53, 146131), (54, 146140), (56, 146212), (58, 146314), (60, 146359), (62, 146389), (63, 146452), (64, 146467), (72, 146626), (73, 146650), (74, 146707), (77, 146794), (80, 146902), (81, 146962), (86, 147073), (87, 147085), (89, 147136), (92, 147193), (97, 147340), (101, 147463), (102, 147490), (103, 147493), (104, 147496), (105, 147499), (107, 147556), (108, 147604), (110, 147664), (111, 147673), (112, 147784),

Gene: Willis_254 Start: 145747, Stop: 148770, Start Num: 4
Candidate Starts for Willis_254:
(1, 145465), (Start: 4 @145747 has 126 MA's), (5, 145813), (6, 145855), (7, 145879), (8, 145897), (9, 145936), (11, 146008), (12, 146023), (14, 146080), (15, 146086), (16, 146113), (19, 146188), (20, 146200), (23, 146275), (24, 146278), (29, 146386), (33, 146497), (35, 146584), (36, 146614), (37, 146632), (39, 146656), (41, 146671), (50, 146962), (51, 147022), (53, 147070), (54, 147079), (56, 147151), (58, 147253), (60, 147298), (62, 147328), (63, 147391), (64, 147406), (72, 147565), (73, 147589), (74, 147646), (77, 147733), (80, 147841), (86, 148012), (87, 148024), (89, 148075), (92, 148132), (97, 148279), (101, 148402), (102, 148429), (103, 148432), (104, 148435), (105, 148438), (107, 148495), (108, 148543), (110, 148603), (111, 148612), (112, 148723),

Gene: Yassified_249 Start: 144943, Stop: 147966, Start Num: 4
Candidate Starts for Yassified_249:
(Start: 4 @144943 has 126 MA's), (5, 145009), (6, 145051), (7, 145075), (8, 145093), (9, 145132), (11, 145204), (12, 145219), (14, 145276), (15, 145282), (16, 145309), (19, 145384), (20, 145396), (23, 145471), (24, 145474), (29, 145582), (31, 145666), (33, 145693), (35, 145780), (36, 145810), (37,

145828), (39, 145852), (41, 145867), (50, 146158), (51, 146218), (53, 146266), (54, 146275), (55, 146299), (58, 146449), (60, 146494), (62, 146524), (63, 146587), (64, 146602), (72, 146761), (73, 146785), (74, 146842), (77, 146929), (80, 147037), (81, 147097), (86, 147208), (87, 147220), (88, 147229), (89, 147271), (92, 147328), (94, 147460), (97, 147475), (101, 147598), (102, 147625), (103, 147628), (104, 147631), (105, 147634), (107, 147691), (108, 147739), (110, 147799), (111, 147808), (112, 147919),

Gene: YoungMoneyMata_253 Start: 145939, Stop: 148962, Start Num: 4
Candidate Starts for YoungMoneyMata_253:
(1, 145657), (Start: 4 @145939 has 126 MA's), (5, 146005), (6, 146047), (7, 146071), (8, 146089), (9, 146128), (11, 146200), (12, 146215), (14, 146272), (15, 146278), (16, 146305), (19, 146380), (20, 146392), (23, 146467), (24, 146470), (29, 146578), (33, 146689), (35, 146776), (36, 146806), (37, 146824), (39, 146848), (41, 146863), (50, 147154), (51, 147214), (53, 147262), (54, 147271), (56, 147343), (58, 147445), (60, 147490), (62, 147520), (63, 147583), (64, 147598), (72, 147757), (73, 147781), (74, 147838), (77, 147925), (80, 148033), (86, 148204), (87, 148216), (89, 148267), (92, 148324), (97, 148471), (101, 148594), (102, 148621), (103, 148624), (104, 148627), (105, 148630), (107, 148687), (108, 148735), (110, 148795), (111, 148804), (112, 148915),

Gene: ZygoTaiga_250 Start: 147216, Stop: 150239, Start Num: 4
Candidate Starts for ZygoTaiga_250:
(1, 146934), (Start: 4 @147216 has 126 MA's), (5, 147282), (6, 147324), (7, 147348), (8, 147366), (9, 147405), (11, 147477), (12, 147492), (14, 147549), (15, 147555), (16, 147582), (19, 147657), (20, 147669), (23, 147744), (24, 147747), (29, 147855), (31, 147939), (33, 147966), (35, 148053), (36, 148083), (37, 148101), (39, 148125), (41, 148140), (50, 148431), (51, 148491), (53, 148539), (54, 148548), (55, 148572), (58, 148722), (60, 148767), (62, 148797), (63, 148860), (64, 148875), (72, 149034), (73, 149058), (74, 149115), (77, 149202), (80, 149310), (81, 149370), (86, 149481), (87, 149493), (88, 149502), (89, 149544), (92, 149601), (94, 149733), (97, 149748), (101, 149871), (102, 149898), (103, 149901), (104, 149904), (105, 149907), (107, 149964), (108, 150012), (110, 150072), (111, 150081), (112, 150192),