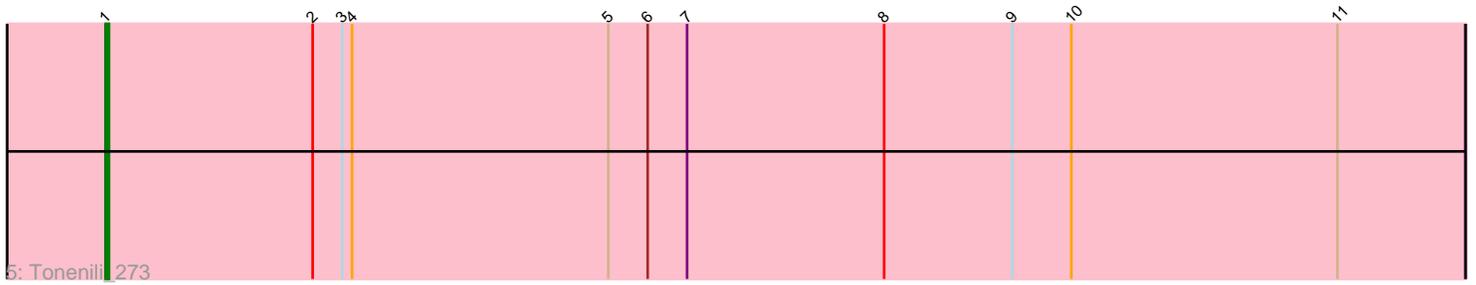
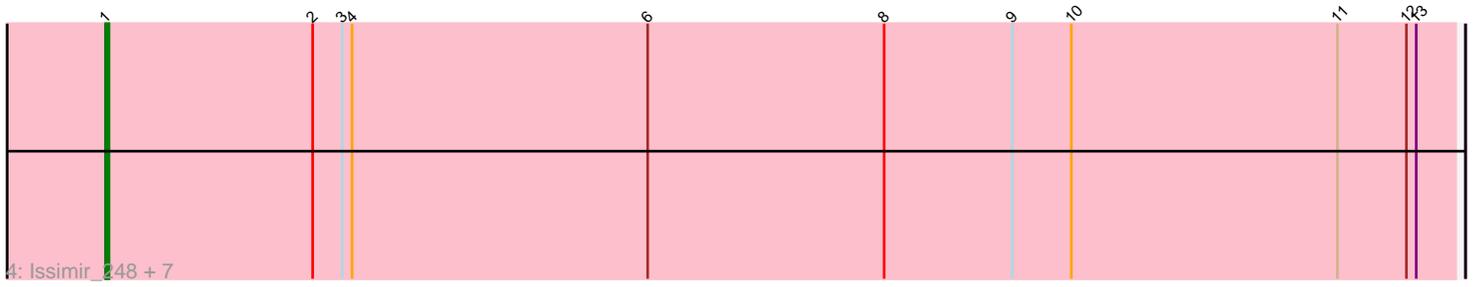
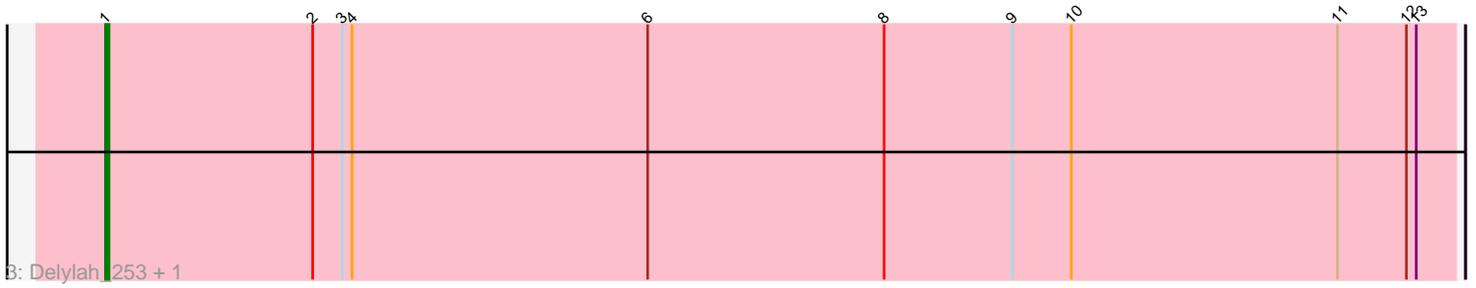
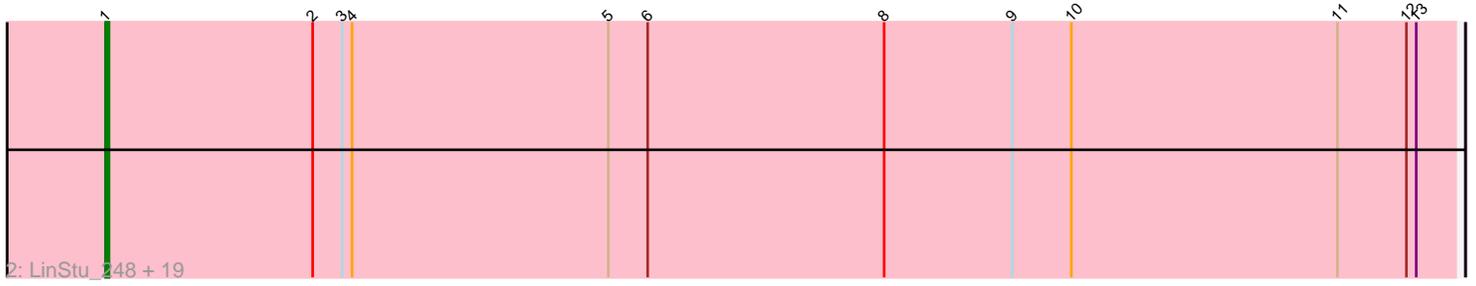
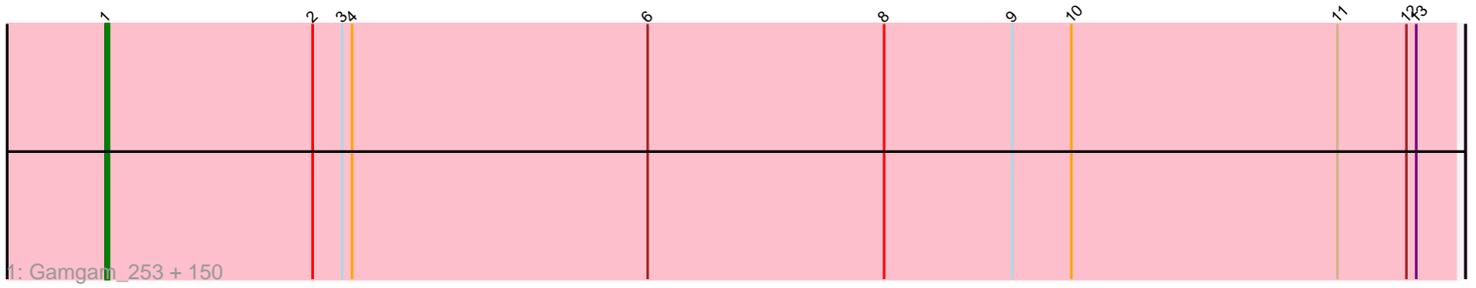


Pham 511



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 511 Report

This analysis was run 04/05/24 on database version 557.

Pham number 511 has 182 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Gamgam_253, JPickles_249, Grungle_233, BeanWater_244, Koguma_250, FrayBell_254, StubbySaigey_258, Izajani_247, Pier_250, DTDevon_252, Ewok_250, IkeLoa_245, Darko_251, Ghost_251, ScottMcG_243, Dietrick_240, EmmaElysia_256, ShiaLabeouf_249, ValleyTerrace_252, LRRHood_243, Breeniome_251, Drazdys_248, Loanshark_248, Adlitam_251, Mikro_245, TinyTim_250, Jedediah_253, LordLeafolot_253, Grasshills_258, Roots515_254, EasyJones_252, Momo_253, Latch_251, Erdmann_253, ArcherS7_252, Audrick_254, Mangeria_251, Janiyra_255, QBert_243, Sauce_248, YemiJoy2021_252, Burrough_252, RoMag_246, Shelob_252, Essence_249, Kboogie_255, NedWong_250, LolaVinca_247, Phusco_250, Pio_258, Gizmo_257, Sprinklers_249, Amataga_252, Jaygup_248, MoMoMixon_247, SrishMeg2525_249, DrPhinkDaddy_248, Pivoine_252, Lee7_252, ChaylaJr_250, Atlantean_251, ZygoTaiga_248, Trinitium_248, Capablanca_256, Chargie21_249, Tortoise16_249, Nappy_250, Bigswole_256, Kamryn_250, Basquiat_249, ChickenPhender_247, ParkTD_250, Zeenon_252, YoungMoneyMata_251, I3_261, MikeLiesIn_252, Megamind_248, Napoleon13_248, Iota_248, Yucca_252, Specks_256, Bread_248, Derek_247, EggyFarm_259, Astraea_247, Rahel_253, Ngannou_246, Jemmno_251, Cali_241, Bipolarisk_249, DirtMonster_240, Patter_253, Guwapp_247, Naval22_256, Nidhogg_252, Fludd_251, Norm_251, JustHall_245, Ava3_248, ErnieJ_245, BackyardAgain_246, Babyland_254, Rabinovish_244, Turret_242, Gabriel_254, Concombre_257, BananaFence_249, McGee_253, InigoMontoya_255, FoxtrotP1_250, SilverDipper_256, Maby2021_252, Morizzled23_249, Ading_254, Chomp_249, Catera_240, Zalkecks_250, BigCity_259, Tyke_248, Caravan_241, InterFolia_253, Quasimodo_254, Daffodil_257, Naija_252, Phox_252, Bangla1971_252, Melpomini_246, Rizal_240, Salacia_253, CindyLou_252, FudgeTart_247, Littleton_255, SmallFry_252, Dandelion_257, LifeSavor_252, Bxz1_237, Cactojaque_246, Lukilu_240, Wally_249, Spud_243, Blackbrain_250, BadAgartude_245, Matsumoto_249, Phlegm_256, Shnickers_250, Teardrop_250, Delilah_249, EmToTheThree_252, Shrimp_254, Willis_252, StephanieG_245
- Track 2 : LinStu_248, Colt_241, Spec_245, JayJay_247, JulietS_243, Sebata_251, Stubby_234, NuevoMundo_253, Yassified_247, ET08_237, Ronan_247, Blubba_246, Flabslab_246, Cane17_240, Shaqnato_242, HyRo_236, Shifa_227, Pinkcreek_231, CharlieB_246, Alice_237
- Track 3 : Delylah_253, Pleione_255
- Track 4 : Issimir_248, Jessibeth14_251, Bonray_254, PurduePete_252, Asterius_248, Khaleesi_250, NoodleTree_247, McWolfish_248
- Track 5 : Tonenili_273

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

The start number called the most often in the published annotations is 1, it was called in 167 of the 167 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_254, Adlitam_251, Alice_237, Amataga_252, ArcherS7_252, Asterius_248, Astraea_247, Atlantean_251, Audrick_254, Ava3_248, Babyland_254, BackyardAgain_246, BadAgartude_245, BananaFence_249, Bangla1971_252, Basquiat_249, BeanWater_244, BigCity_259, Bigswole_256, Bipolarisk_249, Blackbrain_250, Blubba_246, Bonray_254, Bread_248, Breeniome_251, Burrough_252, Bxz1_237, Cactojaque_246, Cali_241, Cane17_240, Capablanca_256, Caravan_241, Catera_240, Chargie21_249, CharlieB_246, ChaylaJr_250, ChickenPhender_247, Chomp_249, CindyLou_252, Colt_241, Concombre_257, DTDevon_252, Daffodil_257, Dandelion_257, Darko_251, Delilah_249, Delylah_253, Derek_247, Dietrick_240, DirtMonster_240, DrPhinkDaddy_248, Drazdys_248, ET08_237, EasyJones_252, EggyFarm_259, EmToTheThree_252, EmmaElysia_256, Erdmann_253, ErnieJ_245, Essence_249, Ewok_250, Flabslab_246, Fludd_251, FoxtrotP1_250, FrayBell_254, FudgeTart_247, Gabriel_254, Gangam_253, Ghost_251, Gizmo_257, Grasshills_258, Grungle_233, Guwapp_247, HyRo_236, I3_261, IkeLoa_245, InigoMontoya_255, InterFolia_253, Iota_248, Issimir_248, Izajani_247, JPickles_249, Janiyra_255, JayJay_247, Jaygup_248, Jedediah_253, Jemmno_251, Jessibeth14_251, JulietS_243, JustHall_245, Kamryn_250, Kboogie_255, Khaleesi_250, Koguma_250, LRRHood_243, Latch_251, Lee7_252, LifeSavor_252, LinStu_248, Littleton_255, Loanshark_248, LolaVinca_247, LordLeafolot_253, Lukilu_240, Maby2021_252, Mangeria_251, Matsumoto_249, McGee_253, McWolfish_248, Megamind_248, Melpomini_246, MikeLiesIn_252, Mikro_245, MoMoMixon_247, Momo_253, Morizzled23_249, Naija_252, Napoleon13_248, Nappy_250, Naval22_256, NedWong_250, Ngannou_246, Nidhogg_252, NoodleTree_247, Norm_251, NuevoMundo_253, ParkTD_250, Patter_253, Phlegm_256, Phox_252, Phusco_250, Pier_250, Pinkcreek_231, Pio_258, Pivoine_252, Pleione_255, PurduePete_252, QBert_243, Quasimodo_254, Rabinovish_244, Rahel_253, Rizal_240, RoMag_246, Ronan_247, Roots515_254, Salacia_253, Sauce_248, ScottMcG_243, Sebata_251, Shaqnato_242, Shelob_252, ShiaLabeouf_249, Shifa_227, Shnickers_250, Shrimp_254, SilverDipper_256, SmallFry_252, Spec_245, Specks_256, Sprinklers_249, Spud_243, SrishMeg2525_249, StephanieG_245, StubbySaigey_258, Stubby_234, Teardrop_250, TinyTim_250, Tonenili_273, Tortoise16_249, Trinitium_248, Turret_242, Tyke_248, ValleyTerrace_252, Wally_249, Willis_252, Yassified_247, YemiJoy2021_252, YoungMoneyMata_251, Yucca_252, Zalkecks_250, Zeenon_252, ZygoTaiga_248,

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

-

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

-

Summary by start number:

Start 1:

- Found in 182 of 182 (100.0%) of genes in pham
- Manual Annotations of this start: 167 of 167
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_254 (C1), Adlitam_251 (C1), Alice_237 (C1), Amataga_252 (C1), ArcherS7_252 (C1), Asterius_248 (C1), Astraea_247 (C1), Atlantean_251 (C1), Audrick_254 (C1), Ava3_248 (C1), Babyland_254 (C1), BackyardAgain_246 (C1), BadAgartude_245 (C1), BananaFence_249 (C1), Bangla1971_252 (C1), Basquiat_249 (C1), BeanWater_244 (C1), BigCity_259 (C1), Bigswole_256 (C1), Bipolarisk_249 (C1), Blackbrain_250 (C1), Blubba_246 (C1), Bonray_254 (C1), Bread_248 (C1), Breeniome_251 (C1), Burrough_252 (C1), Bxz1_237 (C1), Cactojaque_246 (C1), Cali_241 (C1), Cane17_240 (C1), Capablanca_256 (C1), Caravan_241 (C1), Catera_240 (C1), Chargie21_249 (C1), CharlieB_246 (C1), ChaylaJr_250 (C1), ChickenPhender_247 (C1), Chomp_249 (C1), CindyLou_252 (C1), Colt_241 (C1), Concombre_257 (C1), DTDevon_252 (C1), Daffodil_257 (C1), Dandelion_257 (C1), Darko_251 (C1), Delilah_249 (C1), Delylah_253 (C1), Derek_247 (C1), Dietrick_240 (C1), DirtMonster_240 (C1), DrPhinkDaddy_248 (C1), Drazdys_248 (C1), ET08_237 (C1), EasyJones_252 (C1), EggyFarm_259 (C1), EmToTheThree_252 (C1), EmmaElysia_256 (C1), Erdmann_253 (C1), ErnieJ_245 (C1), Essence_249 (C1), Ewok_250 (C1), Flabslab_246 (C1), Fludd_251 (C1), FoxtrotP1_250 (C1), FrayBell_254 (C1), FudgeTart_247 (C1), Gabriel_254 (C1), Gamgam_253 (C1), Ghost_251 (C1), Gizmo_257 (C1), Grasshills_258 (C1), Grungle_233 (C1), Guwapp_247 (C1), HyRo_236 (C1), I3_261 (C1), IkeLoa_245 (C1), InigoMontoya_255 (C1), InterFolia_253 (C1), Iota_248 (C1), Issimir_248 (C1), Izajani_247 (C1), JPickles_249 (C1), Janiyr_255 (C1), JayJay_247 (C1), Jaygup_248 (C1), Jedediah_253 (C1), Jemmno_251 (C1), Jessibeth14_251 (C1), JulietS_243 (C1), JustHall_245 (C1), Kamryn_250 (C1), Kboogie_255 (C1), Khaleesi_250 (C1), Koguma_250 (C1), LRRHood_243 (C1), Latch_251 (C1), Lee7_252 (C1), LifeSavor_252 (C1), LinStu_248 (C1), Littleton_255 (C1), Loanshark_248 (C1), LolaVinca_247 (C1), LordLeafolot_253 (C1), Lukilu_240 (C1), Maby2021_252 (C1), Mangeria_251 (C1), Matsumoto_249 (C1), McGee_253 (C1), McWolfish_248 (C1), Megamind_248 (C1), Melpomini_246 (C1), MikeLiesIn_252 (C1), Mikro_245 (C1), MoMoMixon_247 (C1), Momo_253 (C1), Morizzled23_249 (C1), Naija_252 (C1), Napoleon13_248 (C1), Nappy_250 (C1), Naval22_256 (C1), NedWong_250 (C1), Ngannou_246 (C1), Nidhogg_252 (C1), NoodleTree_247 (C1), Norm_251 (C1), NuevoMundo_253 (C1), ParkTD_250 (C1), Patter_253 (C1), Phlegm_256 (C1), Phox_252 (C1), Phusco_250 (C1), Pier_250 (C1), Pinkcreek_231 (C1), Pio_258 (C1), Pivoine_252 (C1), Pleione_255 (C1), PurduePete_252 (C1), QBert_243 (C1), Quasimodo_254 (C1), Rabinovish_244 (C1), Rahel_253 (C1), Rizal_240 (C1), RoMag_246 (C1), Ronan_247 (C1), Roots515_254 (C1), Salacia_253 (C1), Sauce_248 (C1), ScottMcG_243 (C1), Sebata_251 (C1), Shaqato_242 (C1), Shelob_252 (C1), ShiaLabeouf_249 (C1), Shifa_227 (C1), Shnickers_250 (C1), Shrimp_254 (C1), SilverDipper_256 (C1), SmallFry_252 (C1), Spec_245 (C1), Specks_256 (C1), Sprinklers_249 (C1), Spud_243 (C1), SrishMeg2525_249 (C1), StephanieG_245 (C1), StubbySaigey_258 (C1), Stubby_234 (C1), Teardrop_250 (C1), TinyTim_250 (C1), Tonenili_273 (C1), Tortoise16_249 (C1), Trinitium_248 (C1), Turret_242 (C1), Tyke_248 (C1), ValleyTerrace_252 (C1), Wally_249 (C1), Willis_252 (C1), Yassified_247 (C1), YemiJoy2021_252 (C1), YoungMoneyMata_251 (C1), Yucca_252 (C1), Zalkecks_250 (C1), Zeenon_252 (C1), ZygoTaiga_248 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

•Start number 1 was manually annotated 167 times for cluster C1.

Gene Information:

Gene: Ading_254 Start: 146232, Stop: 146642, Start Num: 1

Candidate Starts for Ading_254:

(Start: 1 @146232 has 167 MA's), (2, 146295), (3, 146304), (4, 146307), (6, 146397), (8, 146469), (9, 146508), (10, 146526), (11, 146607), (12, 146628), (13, 146631),

Gene: Adlitam_251 Start: 144387, Stop: 144797, Start Num: 1

Candidate Starts for Adlitam_251:

(Start: 1 @144387 has 167 MA's), (2, 144450), (3, 144459), (4, 144462), (6, 144552), (8, 144624), (9, 144663), (10, 144681), (11, 144762), (12, 144783), (13, 144786),

Gene: Alice_237 Start: 141463, Stop: 141873, Start Num: 1

Candidate Starts for Alice_237:

(Start: 1 @141463 has 167 MA's), (2, 141526), (3, 141535), (4, 141538), (5, 141616), (6, 141628), (8, 141700), (9, 141739), (10, 141757), (11, 141838), (12, 141859), (13, 141862),

Gene: Amataga_252 Start: 143386, Stop: 143796, Start Num: 1

Candidate Starts for Amataga_252:

(Start: 1 @143386 has 167 MA's), (2, 143449), (3, 143458), (4, 143461), (6, 143551), (8, 143623), (9, 143662), (10, 143680), (11, 143761), (12, 143782), (13, 143785),

Gene: ArcherS7_252 Start: 145131, Stop: 145541, Start Num: 1

Candidate Starts for ArcherS7_252:

(Start: 1 @145131 has 167 MA's), (2, 145194), (3, 145203), (4, 145206), (6, 145296), (8, 145368), (9, 145407), (10, 145425), (11, 145506), (12, 145527), (13, 145530),

Gene: Asterius_248 Start: 144244, Stop: 144654, Start Num: 1

Candidate Starts for Asterius_248:

(Start: 1 @144244 has 167 MA's), (2, 144307), (3, 144316), (4, 144319), (6, 144409), (8, 144481), (9, 144520), (10, 144538), (11, 144619), (12, 144640), (13, 144643),

Gene: Astraea_247 Start: 143439, Stop: 143849, Start Num: 1

Candidate Starts for Astraea_247:

(Start: 1 @143439 has 167 MA's), (2, 143502), (3, 143511), (4, 143514), (6, 143604), (8, 143676), (9, 143715), (10, 143733), (11, 143814), (12, 143835), (13, 143838),

Gene: Atlantean_251 Start: 143386, Stop: 143796, Start Num: 1

Candidate Starts for Atlantean_251:

(Start: 1 @143386 has 167 MA's), (2, 143449), (3, 143458), (4, 143461), (6, 143551), (8, 143623), (9, 143662), (10, 143680), (11, 143761), (12, 143782), (13, 143785),

Gene: Audrick_254 Start: 143276, Stop: 143686, Start Num: 1

Candidate Starts for Audrick_254:

(Start: 1 @143276 has 167 MA's), (2, 143339), (3, 143348), (4, 143351), (6, 143441), (8, 143513), (9, 143552), (10, 143570), (11, 143651), (12, 143672), (13, 143675),

Gene: Ava3_248 Start: 143846, Stop: 144256, Start Num: 1

Candidate Starts for Ava3_248:

(Start: 1 @143846 has 167 MA's), (2, 143909), (3, 143918), (4, 143921), (6, 144011), (8, 144083), (9, 144122), (10, 144140), (11, 144221), (12, 144242), (13, 144245),

Gene: Babyland_254 Start: 144163, Stop: 144573, Start Num: 1

Candidate Starts for Babyland_254:

(Start: 1 @144163 has 167 MA's), (2, 144226), (3, 144235), (4, 144238), (6, 144328), (8, 144400), (9, 144439), (10, 144457), (11, 144538), (12, 144559), (13, 144562),

Gene: BackyardAgain_246 Start: 141536, Stop: 141946, Start Num: 1

Candidate Starts for BackyardAgain_246:

(Start: 1 @141536 has 167 MA's), (2, 141599), (3, 141608), (4, 141611), (6, 141701), (8, 141773), (9, 141812), (10, 141830), (11, 141911), (12, 141932), (13, 141935),

Gene: BadAgartude_245 Start: 143448, Stop: 143858, Start Num: 1

Candidate Starts for BadAgartude_245:

(Start: 1 @143448 has 167 MA's), (2, 143511), (3, 143520), (4, 143523), (6, 143613), (8, 143685), (9, 143724), (10, 143742), (11, 143823), (12, 143844), (13, 143847),

Gene: BananaFence_249 Start: 144068, Stop: 144478, Start Num: 1

Candidate Starts for BananaFence_249:

(Start: 1 @144068 has 167 MA's), (2, 144131), (3, 144140), (4, 144143), (6, 144233), (8, 144305), (9, 144344), (10, 144362), (11, 144443), (12, 144464), (13, 144467),

Gene: Bangla1971_252 Start: 144095, Stop: 144505, Start Num: 1

Candidate Starts for Bangla1971_252:

(Start: 1 @144095 has 167 MA's), (2, 144158), (3, 144167), (4, 144170), (6, 144260), (8, 144332), (9, 144371), (10, 144389), (11, 144470), (12, 144491), (13, 144494),

Gene: Basquiat_249 Start: 142354, Stop: 142764, Start Num: 1

Candidate Starts for Basquiat_249:

(Start: 1 @142354 has 167 MA's), (2, 142417), (3, 142426), (4, 142429), (6, 142519), (8, 142591), (9, 142630), (10, 142648), (11, 142729), (12, 142750), (13, 142753),

Gene: BeanWater_244 Start: 143231, Stop: 143641, Start Num: 1

Candidate Starts for BeanWater_244:

(Start: 1 @143231 has 167 MA's), (2, 143294), (3, 143303), (4, 143306), (6, 143396), (8, 143468), (9, 143507), (10, 143525), (11, 143606), (12, 143627), (13, 143630),

Gene: BigCity_259 Start: 145986, Stop: 146396, Start Num: 1

Candidate Starts for BigCity_259:

(Start: 1 @145986 has 167 MA's), (2, 146049), (3, 146058), (4, 146061), (6, 146151), (8, 146223), (9, 146262), (10, 146280), (11, 146361), (12, 146382), (13, 146385),

Gene: Bigswole_256 Start: 145897, Stop: 146307, Start Num: 1

Candidate Starts for Bigswole_256:

(Start: 1 @145897 has 167 MA's), (2, 145960), (3, 145969), (4, 145972), (6, 146062), (8, 146134), (9, 146173), (10, 146191), (11, 146272), (12, 146293), (13, 146296),

Gene: Bipolarisk_249 Start: 144114, Stop: 144524, Start Num: 1
Candidate Starts for Bipolarisk_249:
(Start: 1 @144114 has 167 MA's), (2, 144177), (3, 144186), (4, 144189), (6, 144279), (8, 144351), (9, 144390), (10, 144408), (11, 144489), (12, 144510), (13, 144513),

Gene: Blackbrain_250 Start: 144131, Stop: 144541, Start Num: 1
Candidate Starts for Blackbrain_250:
(Start: 1 @144131 has 167 MA's), (2, 144194), (3, 144203), (4, 144206), (6, 144296), (8, 144368), (9, 144407), (10, 144425), (11, 144506), (12, 144527), (13, 144530),

Gene: Blubba_246 Start: 146858, Stop: 147268, Start Num: 1
Candidate Starts for Blubba_246:
(Start: 1 @146858 has 167 MA's), (2, 146921), (3, 146930), (4, 146933), (5, 147011), (6, 147023), (8, 147095), (9, 147134), (10, 147152), (11, 147233), (12, 147254), (13, 147257),

Gene: Bonray_254 Start: 145931, Stop: 146341, Start Num: 1
Candidate Starts for Bonray_254:
(Start: 1 @145931 has 167 MA's), (2, 145994), (3, 146003), (4, 146006), (6, 146096), (8, 146168), (9, 146207), (10, 146225), (11, 146306), (12, 146327), (13, 146330),

Gene: Bread_248 Start: 143898, Stop: 144308, Start Num: 1
Candidate Starts for Bread_248:
(Start: 1 @143898 has 167 MA's), (2, 143961), (3, 143970), (4, 143973), (6, 144063), (8, 144135), (9, 144174), (10, 144192), (11, 144273), (12, 144294), (13, 144297),

Gene: Breeniome_251 Start: 142886, Stop: 143296, Start Num: 1
Candidate Starts for Breeniome_251:
(Start: 1 @142886 has 167 MA's), (2, 142949), (3, 142958), (4, 142961), (6, 143051), (8, 143123), (9, 143162), (10, 143180), (11, 143261), (12, 143282), (13, 143285),

Gene: Burrough_252 Start: 145259, Stop: 145669, Start Num: 1
Candidate Starts for Burrough_252:
(Start: 1 @145259 has 167 MA's), (2, 145322), (3, 145331), (4, 145334), (6, 145424), (8, 145496), (9, 145535), (10, 145553), (11, 145634), (12, 145655), (13, 145658),

Gene: Bxz1_237 Start: 145463, Stop: 145873, Start Num: 1
Candidate Starts for Bxz1_237:
(Start: 1 @145463 has 167 MA's), (2, 145526), (3, 145535), (4, 145538), (6, 145628), (8, 145700), (9, 145739), (10, 145757), (11, 145838), (12, 145859), (13, 145862),

Gene: Cactojaque_246 Start: 143077, Stop: 143487, Start Num: 1
Candidate Starts for Cactojaque_246:
(Start: 1 @143077 has 167 MA's), (2, 143140), (3, 143149), (4, 143152), (6, 143242), (8, 143314), (9, 143353), (10, 143371), (11, 143452), (12, 143473), (13, 143476),

Gene: Cali_241 Start: 143856, Stop: 144266, Start Num: 1
Candidate Starts for Cali_241:
(Start: 1 @143856 has 167 MA's), (2, 143919), (3, 143928), (4, 143931), (6, 144021), (8, 144093), (9, 144132), (10, 144150), (11, 144231), (12, 144252), (13, 144255),

Gene: Cane17_240 Start: 147267, Stop: 147677, Start Num: 1
Candidate Starts for Cane17_240:

(Start: 1 @147267 has 167 MA's), (2, 147330), (3, 147339), (4, 147342), (5, 147420), (6, 147432), (8, 147504), (9, 147543), (10, 147561), (11, 147642), (12, 147663), (13, 147666),

Gene: Capablanca_256 Start: 146110, Stop: 146520, Start Num: 1

Candidate Starts for Capablanca_256:

(Start: 1 @146110 has 167 MA's), (2, 146173), (3, 146182), (4, 146185), (6, 146275), (8, 146347), (9, 146386), (10, 146404), (11, 146485), (12, 146506), (13, 146509),

Gene: Caravan_241 Start: 144160, Stop: 144570, Start Num: 1

Candidate Starts for Caravan_241:

(Start: 1 @144160 has 167 MA's), (2, 144223), (3, 144232), (4, 144235), (6, 144325), (8, 144397), (9, 144436), (10, 144454), (11, 144535), (12, 144556), (13, 144559),

Gene: Catera_240 Start: 142599, Stop: 143009, Start Num: 1

Candidate Starts for Catera_240:

(Start: 1 @142599 has 167 MA's), (2, 142662), (3, 142671), (4, 142674), (6, 142764), (8, 142836), (9, 142875), (10, 142893), (11, 142974), (12, 142995), (13, 142998),

Gene: Chargie21_249 Start: 142354, Stop: 142764, Start Num: 1

Candidate Starts for Chargie21_249:

(Start: 1 @142354 has 167 MA's), (2, 142417), (3, 142426), (4, 142429), (6, 142519), (8, 142591), (9, 142630), (10, 142648), (11, 142729), (12, 142750), (13, 142753),

Gene: CharlieB_246 Start: 143622, Stop: 144032, Start Num: 1

Candidate Starts for CharlieB_246:

(Start: 1 @143622 has 167 MA's), (2, 143685), (3, 143694), (4, 143697), (5, 143775), (6, 143787), (8, 143859), (9, 143898), (10, 143916), (11, 143997), (12, 144018), (13, 144021),

Gene: ChaylaJr_250 Start: 143296, Stop: 143706, Start Num: 1

Candidate Starts for ChaylaJr_250:

(Start: 1 @143296 has 167 MA's), (2, 143359), (3, 143368), (4, 143371), (6, 143461), (8, 143533), (9, 143572), (10, 143590), (11, 143671), (12, 143692), (13, 143695),

Gene: ChickenPhender_247 Start: 142052, Stop: 142462, Start Num: 1

Candidate Starts for ChickenPhender_247:

(Start: 1 @142052 has 167 MA's), (2, 142115), (3, 142124), (4, 142127), (6, 142217), (8, 142289), (9, 142328), (10, 142346), (11, 142427), (12, 142448), (13, 142451),

Gene: Chomp_249 Start: 145488, Stop: 145898, Start Num: 1

Candidate Starts for Chomp_249:

(Start: 1 @145488 has 167 MA's), (2, 145551), (3, 145560), (4, 145563), (6, 145653), (8, 145725), (9, 145764), (10, 145782), (11, 145863), (12, 145884), (13, 145887),

Gene: CindyLou_252 Start: 145748, Stop: 146158, Start Num: 1

Candidate Starts for CindyLou_252:

(Start: 1 @145748 has 167 MA's), (2, 145811), (3, 145820), (4, 145823), (6, 145913), (8, 145985), (9, 146024), (10, 146042), (11, 146123), (12, 146144), (13, 146147),

Gene: Colt_241 Start: 146459, Stop: 146869, Start Num: 1

Candidate Starts for Colt_241:

(Start: 1 @146459 has 167 MA's), (2, 146522), (3, 146531), (4, 146534), (5, 146612), (6, 146624), (8, 146696), (9, 146735), (10, 146753), (11, 146834), (12, 146855), (13, 146858),

Gene: Concombres_257 Start: 146093, Stop: 146503, Start Num: 1

Candidate Starts for Concombres_257:

(Start: 1 @146093 has 167 MA's), (2, 146156), (3, 146165), (4, 146168), (6, 146258), (8, 146330), (9, 146369), (10, 146387), (11, 146468), (12, 146489), (13, 146492),

Gene: DTDevon_252 Start: 146127, Stop: 146537, Start Num: 1

Candidate Starts for DTDevon_252:

(Start: 1 @146127 has 167 MA's), (2, 146190), (3, 146199), (4, 146202), (6, 146292), (8, 146364), (9, 146403), (10, 146421), (11, 146502), (12, 146523), (13, 146526),

Gene: Daffodil_257 Start: 144414, Stop: 144824, Start Num: 1

Candidate Starts for Daffodil_257:

(Start: 1 @144414 has 167 MA's), (2, 144477), (3, 144486), (4, 144489), (6, 144579), (8, 144651), (9, 144690), (10, 144708), (11, 144789), (12, 144810), (13, 144813),

Gene: Dandelion_257 Start: 146948, Stop: 147358, Start Num: 1

Candidate Starts for Dandelion_257:

(Start: 1 @146948 has 167 MA's), (2, 147011), (3, 147020), (4, 147023), (6, 147113), (8, 147185), (9, 147224), (10, 147242), (11, 147323), (12, 147344), (13, 147347),

Gene: Darko_251 Start: 144072, Stop: 144482, Start Num: 1

Candidate Starts for Darko_251:

(Start: 1 @144072 has 167 MA's), (2, 144135), (3, 144144), (4, 144147), (6, 144237), (8, 144309), (9, 144348), (10, 144366), (11, 144447), (12, 144468), (13, 144471),

Gene: Delilah_249 Start: 144507, Stop: 144917, Start Num: 1

Candidate Starts for Delilah_249:

(Start: 1 @144507 has 167 MA's), (2, 144570), (3, 144579), (4, 144582), (6, 144672), (8, 144744), (9, 144783), (10, 144801), (11, 144882), (12, 144903), (13, 144906),

Gene: Delylah_253 Start: 144784, Stop: 145194, Start Num: 1

Candidate Starts for Delylah_253:

(Start: 1 @144784 has 167 MA's), (2, 144847), (3, 144856), (4, 144859), (6, 144949), (8, 145021), (9, 145060), (10, 145078), (11, 145159), (12, 145180), (13, 145183),

Gene: Derek_247 Start: 144765, Stop: 145175, Start Num: 1

Candidate Starts for Derek_247:

(Start: 1 @144765 has 167 MA's), (2, 144828), (3, 144837), (4, 144840), (6, 144930), (8, 145002), (9, 145041), (10, 145059), (11, 145140), (12, 145161), (13, 145164),

Gene: Dietrick_240 Start: 142628, Stop: 143038, Start Num: 1

Candidate Starts for Dietrick_240:

(Start: 1 @142628 has 167 MA's), (2, 142691), (3, 142700), (4, 142703), (6, 142793), (8, 142865), (9, 142904), (10, 142922), (11, 143003), (12, 143024), (13, 143027),

Gene: DirtMonster_240 Start: 143360, Stop: 143770, Start Num: 1

Candidate Starts for DirtMonster_240:

(Start: 1 @143360 has 167 MA's), (2, 143423), (3, 143432), (4, 143435), (6, 143525), (8, 143597), (9, 143636), (10, 143654), (11, 143735), (12, 143756), (13, 143759),

Gene: DrPhinkDaddy_248 Start: 145192, Stop: 145602, Start Num: 1

Candidate Starts for DrPhinkDaddy_248:

(Start: 1 @145192 has 167 MA's), (2, 145255), (3, 145264), (4, 145267), (6, 145357), (8, 145429), (9, 145468), (10, 145486), (11, 145567), (12, 145588), (13, 145591),

Gene: Drazdys_248 Start: 144772, Stop: 145182, Start Num: 1

Candidate Starts for Drazdys_248:

(Start: 1 @144772 has 167 MA's), (2, 144835), (3, 144844), (4, 144847), (6, 144937), (8, 145009), (9, 145048), (10, 145066), (11, 145147), (12, 145168), (13, 145171),

Gene: ET08_237 Start: 143096, Stop: 143506, Start Num: 1

Candidate Starts for ET08_237:

(Start: 1 @143096 has 167 MA's), (2, 143159), (3, 143168), (4, 143171), (5, 143249), (6, 143261), (8, 143333), (9, 143372), (10, 143390), (11, 143471), (12, 143492), (13, 143495),

Gene: EasyJones_252 Start: 143148, Stop: 143558, Start Num: 1

Candidate Starts for EasyJones_252:

(Start: 1 @143148 has 167 MA's), (2, 143211), (3, 143220), (4, 143223), (6, 143313), (8, 143385), (9, 143424), (10, 143442), (11, 143523), (12, 143544), (13, 143547),

Gene: EggyFarm_259 Start: 145987, Stop: 146397, Start Num: 1

Candidate Starts for EggyFarm_259:

(Start: 1 @145987 has 167 MA's), (2, 146050), (3, 146059), (4, 146062), (6, 146152), (8, 146224), (9, 146263), (10, 146281), (11, 146362), (12, 146383), (13, 146386),

Gene: EmToTheThree_252 Start: 144980, Stop: 145390, Start Num: 1

Candidate Starts for EmToTheThree_252:

(Start: 1 @144980 has 167 MA's), (2, 145043), (3, 145052), (4, 145055), (6, 145145), (8, 145217), (9, 145256), (10, 145274), (11, 145355), (12, 145376), (13, 145379),

Gene: EmmaElysia_256 Start: 145643, Stop: 146053, Start Num: 1

Candidate Starts for EmmaElysia_256:

(Start: 1 @145643 has 167 MA's), (2, 145706), (3, 145715), (4, 145718), (6, 145808), (8, 145880), (9, 145919), (10, 145937), (11, 146018), (12, 146039), (13, 146042),

Gene: Erdmann_253 Start: 144948, Stop: 145358, Start Num: 1

Candidate Starts for Erdmann_253:

(Start: 1 @144948 has 167 MA's), (2, 145011), (3, 145020), (4, 145023), (6, 145113), (8, 145185), (9, 145224), (10, 145242), (11, 145323), (12, 145344), (13, 145347),

Gene: ErnieJ_245 Start: 141776, Stop: 142186, Start Num: 1

Candidate Starts for ErnieJ_245:

(Start: 1 @141776 has 167 MA's), (2, 141839), (3, 141848), (4, 141851), (6, 141941), (8, 142013), (9, 142052), (10, 142070), (11, 142151), (12, 142172), (13, 142175),

Gene: Essence_249 Start: 143984, Stop: 144394, Start Num: 1

Candidate Starts for Essence_249:

(Start: 1 @143984 has 167 MA's), (2, 144047), (3, 144056), (4, 144059), (6, 144149), (8, 144221), (9, 144260), (10, 144278), (11, 144359), (12, 144380), (13, 144383),

Gene: Ewok_250 Start: 144442, Stop: 144852, Start Num: 1

Candidate Starts for Ewok_250:

(Start: 1 @144442 has 167 MA's), (2, 144505), (3, 144514), (4, 144517), (6, 144607), (8, 144679), (9, 144718), (10, 144736), (11, 144817), (12, 144838), (13, 144841),

Gene: Flabslab_246 Start: 141041, Stop: 141451, Start Num: 1

Candidate Starts for Flabslab_246:

(Start: 1 @141041 has 167 MA's), (2, 141104), (3, 141113), (4, 141116), (5, 141194), (6, 141206), (8, 141278), (9, 141317), (10, 141335), (11, 141416), (12, 141437), (13, 141440),

Gene: Fludd_251 Start: 142860, Stop: 143270, Start Num: 1

Candidate Starts for Fludd_251:

(Start: 1 @142860 has 167 MA's), (2, 142923), (3, 142932), (4, 142935), (6, 143025), (8, 143097), (9, 143136), (10, 143154), (11, 143235), (12, 143256), (13, 143259),

Gene: FoxtrotP1_250 Start: 145534, Stop: 145944, Start Num: 1

Candidate Starts for FoxtrotP1_250:

(Start: 1 @145534 has 167 MA's), (2, 145597), (3, 145606), (4, 145609), (6, 145699), (8, 145771), (9, 145810), (10, 145828), (11, 145909), (12, 145930), (13, 145933),

Gene: FrayBell_254 Start: 142991, Stop: 143401, Start Num: 1

Candidate Starts for FrayBell_254:

(Start: 1 @142991 has 167 MA's), (2, 143054), (3, 143063), (4, 143066), (6, 143156), (8, 143228), (9, 143267), (10, 143285), (11, 143366), (12, 143387), (13, 143390),

Gene: FudgeTart_247 Start: 144038, Stop: 144448, Start Num: 1

Candidate Starts for FudgeTart_247:

(Start: 1 @144038 has 167 MA's), (2, 144101), (3, 144110), (4, 144113), (6, 144203), (8, 144275), (9, 144314), (10, 144332), (11, 144413), (12, 144434), (13, 144437),

Gene: Gabriel_254 Start: 143019, Stop: 143429, Start Num: 1

Candidate Starts for Gabriel_254:

(Start: 1 @143019 has 167 MA's), (2, 143082), (3, 143091), (4, 143094), (6, 143184), (8, 143256), (9, 143295), (10, 143313), (11, 143394), (12, 143415), (13, 143418),

Gene: Gamgam_253 Start: 143376, Stop: 143786, Start Num: 1

Candidate Starts for Gamgam_253:

(Start: 1 @143376 has 167 MA's), (2, 143439), (3, 143448), (4, 143451), (6, 143541), (8, 143613), (9, 143652), (10, 143670), (11, 143751), (12, 143772), (13, 143775),

Gene: Ghost_251 Start: 144000, Stop: 144410, Start Num: 1

Candidate Starts for Ghost_251:

(Start: 1 @144000 has 167 MA's), (2, 144063), (3, 144072), (4, 144075), (6, 144165), (8, 144237), (9, 144276), (10, 144294), (11, 144375), (12, 144396), (13, 144399),

Gene: Gizmo_257 Start: 146865, Stop: 147275, Start Num: 1

Candidate Starts for Gizmo_257:

(Start: 1 @146865 has 167 MA's), (2, 146928), (3, 146937), (4, 146940), (6, 147030), (8, 147102), (9, 147141), (10, 147159), (11, 147240), (12, 147261), (13, 147264),

Gene: Grasshills_258 Start: 145986, Stop: 146396, Start Num: 1

Candidate Starts for Grasshills_258:

(Start: 1 @145986 has 167 MA's), (2, 146049), (3, 146058), (4, 146061), (6, 146151), (8, 146223), (9, 146262), (10, 146280), (11, 146361), (12, 146382), (13, 146385),

Gene: Grungle_233 Start: 141265, Stop: 141675, Start Num: 1

Candidate Starts for Grungle_233:

(Start: 1 @141265 has 167 MA's), (2, 141328), (3, 141337), (4, 141340), (6, 141430), (8, 141502), (9, 141541), (10, 141559), (11, 141640), (12, 141661), (13, 141664),

Gene: Guwapp_247 Start: 142834, Stop: 143244, Start Num: 1

Candidate Starts for Guwapp_247:

(Start: 1 @142834 has 167 MA's), (2, 142897), (3, 142906), (4, 142909), (6, 142999), (8, 143071), (9, 143110), (10, 143128), (11, 143209), (12, 143230), (13, 143233),

Gene: HyRo_236 Start: 143351, Stop: 143761, Start Num: 1

Candidate Starts for HyRo_236:

(Start: 1 @143351 has 167 MA's), (2, 143414), (3, 143423), (4, 143426), (5, 143504), (6, 143516), (8, 143588), (9, 143627), (10, 143645), (11, 143726), (12, 143747), (13, 143750),

Gene: I3_261 Start: 145142, Stop: 145552, Start Num: 1

Candidate Starts for I3_261:

(Start: 1 @145142 has 167 MA's), (2, 145205), (3, 145214), (4, 145217), (6, 145307), (8, 145379), (9, 145418), (10, 145436), (11, 145517), (12, 145538), (13, 145541),

Gene: IkeLoa_245 Start: 143732, Stop: 144142, Start Num: 1

Candidate Starts for IkeLoa_245:

(Start: 1 @143732 has 167 MA's), (2, 143795), (3, 143804), (4, 143807), (6, 143897), (8, 143969), (9, 144008), (10, 144026), (11, 144107), (12, 144128), (13, 144131),

Gene: InigoMontoya_255 Start: 144050, Stop: 144460, Start Num: 1

Candidate Starts for InigoMontoya_255:

(Start: 1 @144050 has 167 MA's), (2, 144113), (3, 144122), (4, 144125), (6, 144215), (8, 144287), (9, 144326), (10, 144344), (11, 144425), (12, 144446), (13, 144449),

Gene: InterFolia_253 Start: 144796, Stop: 145206, Start Num: 1

Candidate Starts for InterFolia_253:

(Start: 1 @144796 has 167 MA's), (2, 144859), (3, 144868), (4, 144871), (6, 144961), (8, 145033), (9, 145072), (10, 145090), (11, 145171), (12, 145192), (13, 145195),

Gene: Iota_248 Start: 143762, Stop: 144172, Start Num: 1

Candidate Starts for Iota_248:

(Start: 1 @143762 has 167 MA's), (2, 143825), (3, 143834), (4, 143837), (6, 143927), (8, 143999), (9, 144038), (10, 144056), (11, 144137), (12, 144158), (13, 144161),

Gene: Issimir_248 Start: 144137, Stop: 144547, Start Num: 1

Candidate Starts for Issimir_248:

(Start: 1 @144137 has 167 MA's), (2, 144200), (3, 144209), (4, 144212), (6, 144302), (8, 144374), (9, 144413), (10, 144431), (11, 144512), (12, 144533), (13, 144536),

Gene: Izajani_247 Start: 144582, Stop: 144992, Start Num: 1

Candidate Starts for Izajani_247:

(Start: 1 @144582 has 167 MA's), (2, 144645), (3, 144654), (4, 144657), (6, 144747), (8, 144819), (9, 144858), (10, 144876), (11, 144957), (12, 144978), (13, 144981),

Gene: JPickles_249 Start: 143187, Stop: 143597, Start Num: 1

Candidate Starts for JPickles_249:

(Start: 1 @143187 has 167 MA's), (2, 143250), (3, 143259), (4, 143262), (6, 143352), (8, 143424), (9, 143463), (10, 143481), (11, 143562), (12, 143583), (13, 143586),

Gene: Janiyra_255 Start: 144724, Stop: 145134, Start Num: 1
Candidate Starts for Janiyra_255:
(Start: 1 @144724 has 167 MA's), (2, 144787), (3, 144796), (4, 144799), (6, 144889), (8, 144961), (9, 145000), (10, 145018), (11, 145099), (12, 145120), (13, 145123),

Gene: JayJay_247 Start: 143523, Stop: 143933, Start Num: 1
Candidate Starts for JayJay_247:
(Start: 1 @143523 has 167 MA's), (2, 143586), (3, 143595), (4, 143598), (5, 143676), (6, 143688), (8, 143760), (9, 143799), (10, 143817), (11, 143898), (12, 143919), (13, 143922),

Gene: Jaygup_248 Start: 143909, Stop: 144319, Start Num: 1
Candidate Starts for Jaygup_248:
(Start: 1 @143909 has 167 MA's), (2, 143972), (3, 143981), (4, 143984), (6, 144074), (8, 144146), (9, 144185), (10, 144203), (11, 144284), (12, 144305), (13, 144308),

Gene: Jedediah_253 Start: 144962, Stop: 145372, Start Num: 1
Candidate Starts for Jedediah_253:
(Start: 1 @144962 has 167 MA's), (2, 145025), (3, 145034), (4, 145037), (6, 145127), (8, 145199), (9, 145238), (10, 145256), (11, 145337), (12, 145358), (13, 145361),

Gene: Jemmno_251 Start: 143681, Stop: 144091, Start Num: 1
Candidate Starts for Jemmno_251:
(Start: 1 @143681 has 167 MA's), (2, 143744), (3, 143753), (4, 143756), (6, 143846), (8, 143918), (9, 143957), (10, 143975), (11, 144056), (12, 144077), (13, 144080),

Gene: Jessibeth14_251 Start: 145157, Stop: 145567, Start Num: 1
Candidate Starts for Jessibeth14_251:
(Start: 1 @145157 has 167 MA's), (2, 145220), (3, 145229), (4, 145232), (6, 145322), (8, 145394), (9, 145433), (10, 145451), (11, 145532), (12, 145553), (13, 145556),

Gene: JulietS_243 Start: 141261, Stop: 141671, Start Num: 1
Candidate Starts for JulietS_243:
(Start: 1 @141261 has 167 MA's), (2, 141324), (3, 141333), (4, 141336), (5, 141414), (6, 141426), (8, 141498), (9, 141537), (10, 141555), (11, 141636), (12, 141657), (13, 141660),

Gene: JustHall_245 Start: 143211, Stop: 143621, Start Num: 1
Candidate Starts for JustHall_245:
(Start: 1 @143211 has 167 MA's), (2, 143274), (3, 143283), (4, 143286), (6, 143376), (8, 143448), (9, 143487), (10, 143505), (11, 143586), (12, 143607), (13, 143610),

Gene: Kamryn_250 Start: 144801, Stop: 145211, Start Num: 1
Candidate Starts for Kamryn_250:
(Start: 1 @144801 has 167 MA's), (2, 144864), (3, 144873), (4, 144876), (6, 144966), (8, 145038), (9, 145077), (10, 145095), (11, 145176), (12, 145197), (13, 145200),

Gene: Kboogie_255 Start: 143840, Stop: 144250, Start Num: 1
Candidate Starts for Kboogie_255:
(Start: 1 @143840 has 167 MA's), (2, 143903), (3, 143912), (4, 143915), (6, 144005), (8, 144077), (9, 144116), (10, 144134), (11, 144215), (12, 144236), (13, 144239),

Gene: Khaleesi_250 Start: 144624, Stop: 145034, Start Num: 1
Candidate Starts for Khaleesi_250:

(Start: 1 @144624 has 167 MA's), (2, 144687), (3, 144696), (4, 144699), (6, 144789), (8, 144861), (9, 144900), (10, 144918), (11, 144999), (12, 145020), (13, 145023),

Gene: Koguma_250 Start: 143423, Stop: 143833, Start Num: 1

Candidate Starts for Koguma_250:

(Start: 1 @143423 has 167 MA's), (2, 143486), (3, 143495), (4, 143498), (6, 143588), (8, 143660), (9, 143699), (10, 143717), (11, 143798), (12, 143819), (13, 143822),

Gene: LRRHood_243 Start: 142833, Stop: 143243, Start Num: 1

Candidate Starts for LRRHood_243:

(Start: 1 @142833 has 167 MA's), (2, 142896), (3, 142905), (4, 142908), (6, 142998), (8, 143070), (9, 143109), (10, 143127), (11, 143208), (12, 143229), (13, 143232),

Gene: Latch_251 Start: 143386, Stop: 143796, Start Num: 1

Candidate Starts for Latch_251:

(Start: 1 @143386 has 167 MA's), (2, 143449), (3, 143458), (4, 143461), (6, 143551), (8, 143623), (9, 143662), (10, 143680), (11, 143761), (12, 143782), (13, 143785),

Gene: Lee7_252 Start: 146487, Stop: 146897, Start Num: 1

Candidate Starts for Lee7_252:

(Start: 1 @146487 has 167 MA's), (2, 146550), (3, 146559), (4, 146562), (6, 146652), (8, 146724), (9, 146763), (10, 146781), (11, 146862), (12, 146883), (13, 146886),

Gene: LifeSavor_252 Start: 144614, Stop: 145024, Start Num: 1

Candidate Starts for LifeSavor_252:

(Start: 1 @144614 has 167 MA's), (2, 144677), (3, 144686), (4, 144689), (6, 144779), (8, 144851), (9, 144890), (10, 144908), (11, 144989), (12, 145010), (13, 145013),

Gene: LinStu_248 Start: 142715, Stop: 143125, Start Num: 1

Candidate Starts for LinStu_248:

(Start: 1 @142715 has 167 MA's), (2, 142778), (3, 142787), (4, 142790), (5, 142868), (6, 142880), (8, 142952), (9, 142991), (10, 143009), (11, 143090), (12, 143111), (13, 143114),

Gene: Littleton_255 Start: 144623, Stop: 145033, Start Num: 1

Candidate Starts for Littleton_255:

(Start: 1 @144623 has 167 MA's), (2, 144686), (3, 144695), (4, 144698), (6, 144788), (8, 144860), (9, 144899), (10, 144917), (11, 144998), (12, 145019), (13, 145022),

Gene: Loanshark_248 Start: 143973, Stop: 144383, Start Num: 1

Candidate Starts for Loanshark_248:

(Start: 1 @143973 has 167 MA's), (2, 144036), (3, 144045), (4, 144048), (6, 144138), (8, 144210), (9, 144249), (10, 144267), (11, 144348), (12, 144369), (13, 144372),

Gene: LolaVinca_247 Start: 144226, Stop: 144636, Start Num: 1

Candidate Starts for LolaVinca_247:

(Start: 1 @144226 has 167 MA's), (2, 144289), (3, 144298), (4, 144301), (6, 144391), (8, 144463), (9, 144502), (10, 144520), (11, 144601), (12, 144622), (13, 144625),

Gene: LordLeafolot_253 Start: 143839, Stop: 144249, Start Num: 1

Candidate Starts for LordLeafolot_253:

(Start: 1 @143839 has 167 MA's), (2, 143902), (3, 143911), (4, 143914), (6, 144004), (8, 144076), (9, 144115), (10, 144133), (11, 144214), (12, 144235), (13, 144238),

Gene: Lukilu_240 Start: 144842, Stop: 145252, Start Num: 1

Candidate Starts for Lukilu_240:

(Start: 1 @144842 has 167 MA's), (2, 144905), (3, 144914), (4, 144917), (6, 145007), (8, 145079), (9, 145118), (10, 145136), (11, 145217), (12, 145238), (13, 145241),

Gene: Maby2021_252 Start: 145526, Stop: 145936, Start Num: 1

Candidate Starts for Maby2021_252:

(Start: 1 @145526 has 167 MA's), (2, 145589), (3, 145598), (4, 145601), (6, 145691), (8, 145763), (9, 145802), (10, 145820), (11, 145901), (12, 145922), (13, 145925),

Gene: Mangeria_251 Start: 144737, Stop: 145147, Start Num: 1

Candidate Starts for Mangeria_251:

(Start: 1 @144737 has 167 MA's), (2, 144800), (3, 144809), (4, 144812), (6, 144902), (8, 144974), (9, 145013), (10, 145031), (11, 145112), (12, 145133), (13, 145136),

Gene: Matsumoto_249 Start: 143828, Stop: 144238, Start Num: 1

Candidate Starts for Matsumoto_249:

(Start: 1 @143828 has 167 MA's), (2, 143891), (3, 143900), (4, 143903), (6, 143993), (8, 144065), (9, 144104), (10, 144122), (11, 144203), (12, 144224), (13, 144227),

Gene: McGee_253 Start: 144174, Stop: 144584, Start Num: 1

Candidate Starts for McGee_253:

(Start: 1 @144174 has 167 MA's), (2, 144237), (3, 144246), (4, 144249), (6, 144339), (8, 144411), (9, 144450), (10, 144468), (11, 144549), (12, 144570), (13, 144573),

Gene: McWolfish_248 Start: 143835, Stop: 144245, Start Num: 1

Candidate Starts for McWolfish_248:

(Start: 1 @143835 has 167 MA's), (2, 143898), (3, 143907), (4, 143910), (6, 144000), (8, 144072), (9, 144111), (10, 144129), (11, 144210), (12, 144231), (13, 144234),

Gene: Megamind_248 Start: 144160, Stop: 144570, Start Num: 1

Candidate Starts for Megamind_248:

(Start: 1 @144160 has 167 MA's), (2, 144223), (3, 144232), (4, 144235), (6, 144325), (8, 144397), (9, 144436), (10, 144454), (11, 144535), (12, 144556), (13, 144559),

Gene: Melpomini_246 Start: 142920, Stop: 143330, Start Num: 1

Candidate Starts for Melpomini_246:

(Start: 1 @142920 has 167 MA's), (2, 142983), (3, 142992), (4, 142995), (6, 143085), (8, 143157), (9, 143196), (10, 143214), (11, 143295), (12, 143316), (13, 143319),

Gene: MikeLiesIn_252 Start: 145296, Stop: 145706, Start Num: 1

Candidate Starts for MikeLiesIn_252:

(Start: 1 @145296 has 167 MA's), (2, 145359), (3, 145368), (4, 145371), (6, 145461), (8, 145533), (9, 145572), (10, 145590), (11, 145671), (12, 145692), (13, 145695),

Gene: Mikro_245 Start: 145739, Stop: 146149, Start Num: 1

Candidate Starts for Mikro_245:

(Start: 1 @145739 has 167 MA's), (2, 145802), (3, 145811), (4, 145814), (6, 145904), (8, 145976), (9, 146015), (10, 146033), (11, 146114), (12, 146135), (13, 146138),

Gene: MoMoMixon_247 Start: 144255, Stop: 144665, Start Num: 1

Candidate Starts for MoMoMixon_247:

(Start: 1 @144255 has 167 MA's), (2, 144318), (3, 144327), (4, 144330), (6, 144420), (8, 144492), (9, 144531), (10, 144549), (11, 144630), (12, 144651), (13, 144654),

Gene: Momo_253 Start: 143386, Stop: 143796, Start Num: 1

Candidate Starts for Momo_253:

(Start: 1 @143386 has 167 MA's), (2, 143449), (3, 143458), (4, 143461), (6, 143551), (8, 143623), (9, 143662), (10, 143680), (11, 143761), (12, 143782), (13, 143785),

Gene: Morizzled23_249 Start: 143202, Stop: 143612, Start Num: 1

Candidate Starts for Morizzled23_249:

(Start: 1 @143202 has 167 MA's), (2, 143265), (3, 143274), (4, 143277), (6, 143367), (8, 143439), (9, 143478), (10, 143496), (11, 143577), (12, 143598), (13, 143601),

Gene: Naija_252 Start: 144089, Stop: 144499, Start Num: 1

Candidate Starts for Naija_252:

(Start: 1 @144089 has 167 MA's), (2, 144152), (3, 144161), (4, 144164), (6, 144254), (8, 144326), (9, 144365), (10, 144383), (11, 144464), (12, 144485), (13, 144488),

Gene: Napoleon13_248 Start: 143118, Stop: 143528, Start Num: 1

Candidate Starts for Napoleon13_248:

(Start: 1 @143118 has 167 MA's), (2, 143181), (3, 143190), (4, 143193), (6, 143283), (8, 143355), (9, 143394), (10, 143412), (11, 143493), (12, 143514), (13, 143517),

Gene: Nappy_250 Start: 145195, Stop: 145605, Start Num: 1

Candidate Starts for Nappy_250:

(Start: 1 @145195 has 167 MA's), (2, 145258), (3, 145267), (4, 145270), (6, 145360), (8, 145432), (9, 145471), (10, 145489), (11, 145570), (12, 145591), (13, 145594),

Gene: Naval22_256 Start: 145869, Stop: 146279, Start Num: 1

Candidate Starts for Naval22_256:

(Start: 1 @145869 has 167 MA's), (2, 145932), (3, 145941), (4, 145944), (6, 146034), (8, 146106), (9, 146145), (10, 146163), (11, 146244), (12, 146265), (13, 146268),

Gene: NedWong_250 Start: 144547, Stop: 144957, Start Num: 1

Candidate Starts for NedWong_250:

(Start: 1 @144547 has 167 MA's), (2, 144610), (3, 144619), (4, 144622), (6, 144712), (8, 144784), (9, 144823), (10, 144841), (11, 144922), (12, 144943), (13, 144946),

Gene: Ngannou_246 Start: 143071, Stop: 143481, Start Num: 1

Candidate Starts for Ngannou_246:

(Start: 1 @143071 has 167 MA's), (2, 143134), (3, 143143), (4, 143146), (6, 143236), (8, 143308), (9, 143347), (10, 143365), (11, 143446), (12, 143467), (13, 143470),

Gene: Nidhogg_252 Start: 144915, Stop: 145325, Start Num: 1

Candidate Starts for Nidhogg_252:

(Start: 1 @144915 has 167 MA's), (2, 144978), (3, 144987), (4, 144990), (6, 145080), (8, 145152), (9, 145191), (10, 145209), (11, 145290), (12, 145311), (13, 145314),

Gene: NoodleTree_247 Start: 139666, Stop: 140076, Start Num: 1

Candidate Starts for NoodleTree_247:

(Start: 1 @139666 has 167 MA's), (2, 139729), (3, 139738), (4, 139741), (6, 139831), (8, 139903), (9, 139942), (10, 139960), (11, 140041), (12, 140062), (13, 140065),

Gene: Norm_251 Start: 144816, Stop: 145226, Start Num: 1

Candidate Starts for Norm_251:

(Start: 1 @144816 has 167 MA's), (2, 144879), (3, 144888), (4, 144891), (6, 144981), (8, 145053), (9, 145092), (10, 145110), (11, 145191), (12, 145212), (13, 145215),

Gene: NuevoMundo_253 Start: 145302, Stop: 145712, Start Num: 1

Candidate Starts for NuevoMundo_253:

(Start: 1 @145302 has 167 MA's), (2, 145365), (3, 145374), (4, 145377), (5, 145455), (6, 145467), (8, 145539), (9, 145578), (10, 145596), (11, 145677), (12, 145698), (13, 145701),

Gene: ParkTD_250 Start: 144386, Stop: 144796, Start Num: 1

Candidate Starts for ParkTD_250:

(Start: 1 @144386 has 167 MA's), (2, 144449), (3, 144458), (4, 144461), (6, 144551), (8, 144623), (9, 144662), (10, 144680), (11, 144761), (12, 144782), (13, 144785),

Gene: Patter_253 Start: 144046, Stop: 144456, Start Num: 1

Candidate Starts for Patter_253:

(Start: 1 @144046 has 167 MA's), (2, 144109), (3, 144118), (4, 144121), (6, 144211), (8, 144283), (9, 144322), (10, 144340), (11, 144421), (12, 144442), (13, 144445),

Gene: Phlegm_256 Start: 144792, Stop: 145202, Start Num: 1

Candidate Starts for Phlegm_256:

(Start: 1 @144792 has 167 MA's), (2, 144855), (3, 144864), (4, 144867), (6, 144957), (8, 145029), (9, 145068), (10, 145086), (11, 145167), (12, 145188), (13, 145191),

Gene: Phox_252 Start: 144041, Stop: 144451, Start Num: 1

Candidate Starts for Phox_252:

(Start: 1 @144041 has 167 MA's), (2, 144104), (3, 144113), (4, 144116), (6, 144206), (8, 144278), (9, 144317), (10, 144335), (11, 144416), (12, 144437), (13, 144440),

Gene: Phusco_250 Start: 143624, Stop: 144034, Start Num: 1

Candidate Starts for Phusco_250:

(Start: 1 @143624 has 167 MA's), (2, 143687), (3, 143696), (4, 143699), (6, 143789), (8, 143861), (9, 143900), (10, 143918), (11, 143999), (12, 144020), (13, 144023),

Gene: Pier_250 Start: 144917, Stop: 145327, Start Num: 1

Candidate Starts for Pier_250:

(Start: 1 @144917 has 167 MA's), (2, 144980), (3, 144989), (4, 144992), (6, 145082), (8, 145154), (9, 145193), (10, 145211), (11, 145292), (12, 145313), (13, 145316),

Gene: Pinkcreek_231 Start: 141243, Stop: 141653, Start Num: 1

Candidate Starts for Pinkcreek_231:

(Start: 1 @141243 has 167 MA's), (2, 141306), (3, 141315), (4, 141318), (5, 141396), (6, 141408), (8, 141480), (9, 141519), (10, 141537), (11, 141618), (12, 141639), (13, 141642),

Gene: Pio_258 Start: 146120, Stop: 146530, Start Num: 1

Candidate Starts for Pio_258:

(Start: 1 @146120 has 167 MA's), (2, 146183), (3, 146192), (4, 146195), (6, 146285), (8, 146357), (9, 146396), (10, 146414), (11, 146495), (12, 146516), (13, 146519),

Gene: Pivoine_252 Start: 144089, Stop: 144499, Start Num: 1

Candidate Starts for Pivoine_252:

(Start: 1 @144089 has 167 MA's), (2, 144152), (3, 144161), (4, 144164), (6, 144254), (8, 144326), (9, 144365), (10, 144383), (11, 144464), (12, 144485), (13, 144488),

Gene: Pleione_255 Start: 144852, Stop: 145262, Start Num: 1

Candidate Starts for Pleione_255:

(Start: 1 @144852 has 167 MA's), (2, 144915), (3, 144924), (4, 144927), (6, 145017), (8, 145089), (9, 145128), (10, 145146), (11, 145227), (12, 145248), (13, 145251),

Gene: PurduePete_252 Start: 145566, Stop: 145976, Start Num: 1

Candidate Starts for PurduePete_252:

(Start: 1 @145566 has 167 MA's), (2, 145629), (3, 145638), (4, 145641), (6, 145731), (8, 145803), (9, 145842), (10, 145860), (11, 145941), (12, 145962), (13, 145965),

Gene: QBert_243 Start: 142439, Stop: 142849, Start Num: 1

Candidate Starts for QBert_243:

(Start: 1 @142439 has 167 MA's), (2, 142502), (3, 142511), (4, 142514), (6, 142604), (8, 142676), (9, 142715), (10, 142733), (11, 142814), (12, 142835), (13, 142838),

Gene: Quasimodo_254 Start: 144425, Stop: 144835, Start Num: 1

Candidate Starts for Quasimodo_254:

(Start: 1 @144425 has 167 MA's), (2, 144488), (3, 144497), (4, 144500), (6, 144590), (8, 144662), (9, 144701), (10, 144719), (11, 144800), (12, 144821), (13, 144824),

Gene: Rabinovish_244 Start: 142929, Stop: 143339, Start Num: 1

Candidate Starts for Rabinovish_244:

(Start: 1 @142929 has 167 MA's), (2, 142992), (3, 143001), (4, 143004), (6, 143094), (8, 143166), (9, 143205), (10, 143223), (11, 143304), (12, 143325), (13, 143328),

Gene: Rahel_253 Start: 144527, Stop: 144937, Start Num: 1

Candidate Starts for Rahel_253:

(Start: 1 @144527 has 167 MA's), (2, 144590), (3, 144599), (4, 144602), (6, 144692), (8, 144764), (9, 144803), (10, 144821), (11, 144902), (12, 144923), (13, 144926),

Gene: Rizal_240 Start: 142342, Stop: 142752, Start Num: 1

Candidate Starts for Rizal_240:

(Start: 1 @142342 has 167 MA's), (2, 142405), (3, 142414), (4, 142417), (6, 142507), (8, 142579), (9, 142618), (10, 142636), (11, 142717), (12, 142738), (13, 142741),

Gene: RoMag_246 Start: 144123, Stop: 144533, Start Num: 1

Candidate Starts for RoMag_246:

(Start: 1 @144123 has 167 MA's), (2, 144186), (3, 144195), (4, 144198), (6, 144288), (8, 144360), (9, 144399), (10, 144417), (11, 144498), (12, 144519), (13, 144522),

Gene: Ronan_247 Start: 142504, Stop: 142914, Start Num: 1

Candidate Starts for Ronan_247:

(Start: 1 @142504 has 167 MA's), (2, 142567), (3, 142576), (4, 142579), (5, 142657), (6, 142669), (8, 142741), (9, 142780), (10, 142798), (11, 142879), (12, 142900), (13, 142903),

Gene: Roots515_254 Start: 145668, Stop: 146078, Start Num: 1

Candidate Starts for Roots515_254:

(Start: 1 @145668 has 167 MA's), (2, 145731), (3, 145740), (4, 145743), (6, 145833), (8, 145905), (9, 145944), (10, 145962), (11, 146043), (12, 146064), (13, 146067),

Gene: Salacia_253 Start: 145992, Stop: 146402, Start Num: 1
Candidate Starts for Salacia_253:
(Start: 1 @145992 has 167 MA's), (2, 146055), (3, 146064), (4, 146067), (6, 146157), (8, 146229), (9, 146268), (10, 146286), (11, 146367), (12, 146388), (13, 146391),

Gene: Sauce_248 Start: 143851, Stop: 144261, Start Num: 1
Candidate Starts for Sauce_248:
(Start: 1 @143851 has 167 MA's), (2, 143914), (3, 143923), (4, 143926), (6, 144016), (8, 144088), (9, 144127), (10, 144145), (11, 144226), (12, 144247), (13, 144250),

Gene: ScottMcG_243 Start: 143052, Stop: 143462, Start Num: 1
Candidate Starts for ScottMcG_243:
(Start: 1 @143052 has 167 MA's), (2, 143115), (3, 143124), (4, 143127), (6, 143217), (8, 143289), (9, 143328), (10, 143346), (11, 143427), (12, 143448), (13, 143451),

Gene: Sebata_251 Start: 144711, Stop: 145121, Start Num: 1
Candidate Starts for Sebata_251:
(Start: 1 @144711 has 167 MA's), (2, 144774), (3, 144783), (4, 144786), (5, 144864), (6, 144876), (8, 144948), (9, 144987), (10, 145005), (11, 145086), (12, 145107), (13, 145110),

Gene: Shaqnato_242 Start: 143260, Stop: 143670, Start Num: 1
Candidate Starts for Shaqnato_242:
(Start: 1 @143260 has 167 MA's), (2, 143323), (3, 143332), (4, 143335), (5, 143413), (6, 143425), (8, 143497), (9, 143536), (10, 143554), (11, 143635), (12, 143656), (13, 143659),

Gene: Shelob_252 Start: 145986, Stop: 146396, Start Num: 1
Candidate Starts for Shelob_252:
(Start: 1 @145986 has 167 MA's), (2, 146049), (3, 146058), (4, 146061), (6, 146151), (8, 146223), (9, 146262), (10, 146280), (11, 146361), (12, 146382), (13, 146385),

Gene: ShiaLabeouf_249 Start: 143845, Stop: 144255, Start Num: 1
Candidate Starts for ShiaLabeouf_249:
(Start: 1 @143845 has 167 MA's), (2, 143908), (3, 143917), (4, 143920), (6, 144010), (8, 144082), (9, 144121), (10, 144139), (11, 144220), (12, 144241), (13, 144244),

Gene: Shifa_227 Start: 143319, Stop: 143729, Start Num: 1
Candidate Starts for Shifa_227:
(Start: 1 @143319 has 167 MA's), (2, 143382), (3, 143391), (4, 143394), (5, 143472), (6, 143484), (8, 143556), (9, 143595), (10, 143613), (11, 143694), (12, 143715), (13, 143718),

Gene: Shnickers_250 Start: 143909, Stop: 144319, Start Num: 1
Candidate Starts for Shnickers_250:
(Start: 1 @143909 has 167 MA's), (2, 143972), (3, 143981), (4, 143984), (6, 144074), (8, 144146), (9, 144185), (10, 144203), (11, 144284), (12, 144305), (13, 144308),

Gene: Shrimp_254 Start: 145603, Stop: 146013, Start Num: 1
Candidate Starts for Shrimp_254:
(Start: 1 @145603 has 167 MA's), (2, 145666), (3, 145675), (4, 145678), (6, 145768), (8, 145840), (9, 145879), (10, 145897), (11, 145978), (12, 145999), (13, 146002),

Gene: SilverDipper_256 Start: 144645, Stop: 145055, Start Num: 1
Candidate Starts for SilverDipper_256:

(Start: 1 @144645 has 167 MA's), (2, 144708), (3, 144717), (4, 144720), (6, 144810), (8, 144882), (9, 144921), (10, 144939), (11, 145020), (12, 145041), (13, 145044),

Gene: SmallFry_252 Start: 144003, Stop: 144413, Start Num: 1

Candidate Starts for SmallFry_252:

(Start: 1 @144003 has 167 MA's), (2, 144066), (3, 144075), (4, 144078), (6, 144168), (8, 144240), (9, 144279), (10, 144297), (11, 144378), (12, 144399), (13, 144402),

Gene: Spec_245 Start: 144015, Stop: 144425, Start Num: 1

Candidate Starts for Spec_245:

(Start: 1 @144015 has 167 MA's), (2, 144078), (3, 144087), (4, 144090), (5, 144168), (6, 144180), (8, 144252), (9, 144291), (10, 144309), (11, 144390), (12, 144411), (13, 144414),

Gene: Specks_256 Start: 144943, Stop: 145353, Start Num: 1

Candidate Starts for Specks_256:

(Start: 1 @144943 has 167 MA's), (2, 145006), (3, 145015), (4, 145018), (6, 145108), (8, 145180), (9, 145219), (10, 145237), (11, 145318), (12, 145339), (13, 145342),

Gene: Sprinklers_249 Start: 143711, Stop: 144121, Start Num: 1

Candidate Starts for Sprinklers_249:

(Start: 1 @143711 has 167 MA's), (2, 143774), (3, 143783), (4, 143786), (6, 143876), (8, 143948), (9, 143987), (10, 144005), (11, 144086), (12, 144107), (13, 144110),

Gene: Spud_243 Start: 143460, Stop: 143870, Start Num: 1

Candidate Starts for Spud_243:

(Start: 1 @143460 has 167 MA's), (2, 143523), (3, 143532), (4, 143535), (6, 143625), (8, 143697), (9, 143736), (10, 143754), (11, 143835), (12, 143856), (13, 143859),

Gene: SrishMeg2525_249 Start: 145098, Stop: 145508, Start Num: 1

Candidate Starts for SrishMeg2525_249:

(Start: 1 @145098 has 167 MA's), (2, 145161), (3, 145170), (4, 145173), (6, 145263), (8, 145335), (9, 145374), (10, 145392), (11, 145473), (12, 145494), (13, 145497),

Gene: StephanieG_245 Start: 144646, Stop: 145056, Start Num: 1

Candidate Starts for StephanieG_245:

(Start: 1 @144646 has 167 MA's), (2, 144709), (3, 144718), (4, 144721), (6, 144811), (8, 144883), (9, 144922), (10, 144940), (11, 145021), (12, 145042), (13, 145045),

Gene: Stubby_234 Start: 141431, Stop: 141841, Start Num: 1

Candidate Starts for Stubby_234:

(Start: 1 @141431 has 167 MA's), (2, 141494), (3, 141503), (4, 141506), (5, 141584), (6, 141596), (8, 141668), (9, 141707), (10, 141725), (11, 141806), (12, 141827), (13, 141830),

Gene: StubbySaigey_258 Start: 144628, Stop: 145038, Start Num: 1

Candidate Starts for StubbySaigey_258:

(Start: 1 @144628 has 167 MA's), (2, 144691), (3, 144700), (4, 144703), (6, 144793), (8, 144865), (9, 144904), (10, 144922), (11, 145003), (12, 145024), (13, 145027),

Gene: Teardrop_250 Start: 143955, Stop: 144365, Start Num: 1

Candidate Starts for Teardrop_250:

(Start: 1 @143955 has 167 MA's), (2, 144018), (3, 144027), (4, 144030), (6, 144120), (8, 144192), (9, 144231), (10, 144249), (11, 144330), (12, 144351), (13, 144354),

Gene: TinyTim_250 Start: 143922, Stop: 144332, Start Num: 1

Candidate Starts for TinyTim_250:

(Start: 1 @143922 has 167 MA's), (2, 143985), (3, 143994), (4, 143997), (6, 144087), (8, 144159), (9, 144198), (10, 144216), (11, 144297), (12, 144318), (13, 144321),

Gene: Tonenili_273 Start: 149250, Stop: 149663, Start Num: 1

Candidate Starts for Tonenili_273:

(Start: 1 @149250 has 167 MA's), (2, 149313), (3, 149322), (4, 149325), (5, 149403), (6, 149415), (7, 149427), (8, 149487), (9, 149526), (10, 149544), (11, 149625),

Gene: Tortoise16_249 Start: 143935, Stop: 144345, Start Num: 1

Candidate Starts for Tortoise16_249:

(Start: 1 @143935 has 167 MA's), (2, 143998), (3, 144007), (4, 144010), (6, 144100), (8, 144172), (9, 144211), (10, 144229), (11, 144310), (12, 144331), (13, 144334),

Gene: Trinitium_248 Start: 142676, Stop: 143086, Start Num: 1

Candidate Starts for Trinitium_248:

(Start: 1 @142676 has 167 MA's), (2, 142739), (3, 142748), (4, 142751), (6, 142841), (8, 142913), (9, 142952), (10, 142970), (11, 143051), (12, 143072), (13, 143075),

Gene: Turret_242 Start: 141809, Stop: 142219, Start Num: 1

Candidate Starts for Turret_242:

(Start: 1 @141809 has 167 MA's), (2, 141872), (3, 141881), (4, 141884), (6, 141974), (8, 142046), (9, 142085), (10, 142103), (11, 142184), (12, 142205), (13, 142208),

Gene: Tyke_248 Start: 146058, Stop: 146468, Start Num: 1

Candidate Starts for Tyke_248:

(Start: 1 @146058 has 167 MA's), (2, 146121), (3, 146130), (4, 146133), (6, 146223), (8, 146295), (9, 146334), (10, 146352), (11, 146433), (12, 146454), (13, 146457),

Gene: ValleyTerrace_252 Start: 143386, Stop: 143796, Start Num: 1

Candidate Starts for ValleyTerrace_252:

(Start: 1 @143386 has 167 MA's), (2, 143449), (3, 143458), (4, 143461), (6, 143551), (8, 143623), (9, 143662), (10, 143680), (11, 143761), (12, 143782), (13, 143785),

Gene: Wally_249 Start: 143370, Stop: 143780, Start Num: 1

Candidate Starts for Wally_249:

(Start: 1 @143370 has 167 MA's), (2, 143433), (3, 143442), (4, 143445), (6, 143535), (8, 143607), (9, 143646), (10, 143664), (11, 143745), (12, 143766), (13, 143769),

Gene: Willis_252 Start: 144309, Stop: 144719, Start Num: 1

Candidate Starts for Willis_252:

(Start: 1 @144309 has 167 MA's), (2, 144372), (3, 144381), (4, 144384), (6, 144474), (8, 144546), (9, 144585), (10, 144603), (11, 144684), (12, 144705), (13, 144708),

Gene: Yassified_247 Start: 143505, Stop: 143915, Start Num: 1

Candidate Starts for Yassified_247:

(Start: 1 @143505 has 167 MA's), (2, 143568), (3, 143577), (4, 143580), (5, 143658), (6, 143670), (8, 143742), (9, 143781), (10, 143799), (11, 143880), (12, 143901), (13, 143904),

Gene: YemiJoy2021_252 Start: 145040, Stop: 145450, Start Num: 1

Candidate Starts for YemiJoy2021_252:

(Start: 1 @145040 has 167 MA's), (2, 145103), (3, 145112), (4, 145115), (6, 145205), (8, 145277), (9, 145316), (10, 145334), (11, 145415), (12, 145436), (13, 145439),

Gene: YoungMoneyMata_251 Start: 144501, Stop: 144911, Start Num: 1

Candidate Starts for YoungMoneyMata_251:

(Start: 1 @144501 has 167 MA's), (2, 144564), (3, 144573), (4, 144576), (6, 144666), (8, 144738), (9, 144777), (10, 144795), (11, 144876), (12, 144897), (13, 144900),

Gene: Yucca_252 Start: 145481, Stop: 145891, Start Num: 1

Candidate Starts for Yucca_252:

(Start: 1 @145481 has 167 MA's), (2, 145544), (3, 145553), (4, 145556), (6, 145646), (8, 145718), (9, 145757), (10, 145775), (11, 145856), (12, 145877), (13, 145880),

Gene: Zalkecks_250 Start: 144138, Stop: 144548, Start Num: 1

Candidate Starts for Zalkecks_250:

(Start: 1 @144138 has 167 MA's), (2, 144201), (3, 144210), (4, 144213), (6, 144303), (8, 144375), (9, 144414), (10, 144432), (11, 144513), (12, 144534), (13, 144537),

Gene: Zeenon_252 Start: 144672, Stop: 145082, Start Num: 1

Candidate Starts for Zeenon_252:

(Start: 1 @144672 has 167 MA's), (2, 144735), (3, 144744), (4, 144747), (6, 144837), (8, 144909), (9, 144948), (10, 144966), (11, 145047), (12, 145068), (13, 145071),

Gene: ZygoTaiga_248 Start: 145778, Stop: 146188, Start Num: 1

Candidate Starts for ZygoTaiga_248:

(Start: 1 @145778 has 167 MA's), (2, 145841), (3, 145850), (4, 145853), (6, 145943), (8, 146015), (9, 146054), (10, 146072), (11, 146153), (12, 146174), (13, 146177),