

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 163356 Report

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

Pham number 163356 has 198 members, 20 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_2, Phrappuccino_2
- Track 2 : JPickles_251, Blackbrain_252, EasyJones_254, Cactojaque_248, Essence_251, ChaylaJr_252, Basquiat_251, ChickenPhender_249, Chargie21_251, JustHall_247, Morizzled23_251, Wally_251, Matsumoto_251
- Track 3 : Ghost_253, Gamgam_255, Pivoine_254, Jedediah_255, CindyLou_254, Audrick_256, Willis_254, Latch_253, ValleyTerrace_254, YoungMoneyMata_253, Atlantean_253, Momo_255, Fludd_253, Amataga_254, Naija_254, Phlegm_258, Ngannou_248, Jemmno_253, Babyland_256, Ading_256, SilverDipper_258, Quasimodo_256, InigoMontoya_257
- Track 4 : Grungle_235, Koguma_252, FrayBell_256, Izajani_249, LolaVinca_249, Issimir_250, Mikro_247, Nidhogg_254, ZygoTaiga_250, Iota_250, LordLeafolot_255, Specks_258, NoodleTree_249, Halldule_245, InterFolia_255, Lee7_254
- Track 5 : StubbySaigey_260, Dietrick_242, ScottMcG_245, Melpomini_248, Kboogie_257, Janiyra_257, Napoleon13_250, Turret_244, BackyardAgain_248, Catera_242, McGee_255, Littleton_257, EmmaElysia_258, Trinitium_250
- Track 6 : Spud_245, Spec_247, 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_258, Rahel_255, SmallFry_254, Rizal_242, CharlieB_248, LifeSavor_254
- Track 7 : Ewok_252, EmToTheThree_254, Daffodil_259, Loanshark_250, DTDevon_254, Bangla1971_254, Delylah_255, TinyTim_252, Roots515_256, Erdmann_255, Dandelion_259, NedWong_252, Adlitam_253, ShiaLabeouf_251, Pio_260, MoMoMixon_249, Burrough_254, DrPhinkDaddy_250, Shnickers_252, Nappy_252, Tortoise16_251, Zeenon_254, Megamind_250, Gizmo_259, Bread_250, Yucca_254, Concombre_259, Bipolarisk_251, Delilah_251, Ava3_250, MikeLiesIn_254, ParkTD_252, Shelob_254, FoxtrotP1_252, Maby2021_254, Zalkecks_252, Norm_253, Tyke_250, Phox_254, FudgeTart_249, Asterius_250, Salacia_255, Bxz1_239, YemiJoy2021_254, Caravan_243, SrishMeg2525_251, Pleione_257
- Track 8 : Pier_252
- Track 9 : IkeLoa_247, RoMag_248, Kamryn_252, Lukilu_242, BadAgartude_247, StephanieG_247
- Track 10 : Darko_253, BananaFence_251, Mangeria_253
- Track 11 : LinStu_250
- Track 12 : PurduePete_254, Jessibeth14_253, McWolfish_250, Khaleesi_252
- Track 13 : Colt_244
- Track 14 : JulietS_245, Yassified_249, ET08_239, Ronan_249

- Track 15 : Sebata_253, JayJay_249, HyRo_238, Shifa_229
- Track 16 : Grasshills_260, EggyFarm_261, BigCity_261
- Track 17 : QBert_245, Sauce_250
- Track 18 : Cane17_243
- Track 19 : Stubby_236, Alice_239
- Track 20 : Patter_255
- Track 21 : Bigswole_258, Guwapp_249, BeanWater_246
- Track 22 : l3_263
- Track 23 : Bonray_256
- Track 24 : Cali_243
- Track 25 : Astraea_249
- Track 26 : Blubba_249
- Track 27 : ErnieJ_247
- Track 28 : Rabinovish_246
- Track 29 : DirtMonster_242
- Track 30 : Tonenili_275
- Track 31 : Chomp_251
- Track 32 : Shrimp_256
- Track 33 : Pinkcreek_233
- Track 34 : NuevoMundo_255
- Track 35 : Teardrop_252
- Track 36 : Greely_254
- Track 37 : Myrna_246
- Track 38 : Phabba_256
- Track 39 : ScoobyDoobyDoo_242
- Track 40 : CherryTomatoes_180
- Track 41 : Pupper_174, SCentae_173
- Track 42 : Skog_6
- Track 43 : Stormageddon_1, RedWattleHog_1
- Track 44 : Finch_1
- Track 45 : JeanGrey_1
- Track 46 : E3_gp5

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

The start number called the most often in the published annotations is 12, it was called in 166 of the 178 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_256, Adlitam_253, Alice_239, Amataga_254, ArcherS7_254, Asterius_250, Astraea_249, Atlantean_253, Audrick_256, Ava3_250, Babyland_256, BackyardAgain_248, BadAgartude_247, BananaFence_251, Bangla1971_254, Basquiat_251, BeanWater_246, BigCity_261, Bigswole_258, Bipolarisk_251, Blackbrain_252, Blubba_249, Bonray_256, Bread_250, Breeniome_253, Burrough_254, Bxz1_239, Cactojaque_248, Cali_243, Cane17_243, Capablanca_258, Caravan_243, Catera_242, Chargie21_251, CharlieB_248, ChaylaJr_252, ChickenPhender_249, Chomp_251, CindyLou_254, Colt_244, Concombre_259, DTDevon_254, Daffodil_259, Dandelion_259, Darko_253, Delilah_251, Delylah_255, Derek_249, Dietrick_242, DirtMonster_242, DrPhinkDaddy_250, Drazdys_250, ET08_239, EasyJones_254, EggyFarm_261,

EmToTheThree_254, EmmaElysia_258, Erdmann_255, ErnieJ_247, Essence_251, Ewok_252, Flabslab_248, Fludd_253, FoxtrotP1_252, FrayBell_256, FudgeTart_249, Gabriel_256, Gamgam_255, Ghost_253, Gizmo_259, Grasshills_260, Grungle_235, Guwapp_249, Halldule_245, HyRo_238, I3_263, IkeLoa_247, InigoMontoya_257, InterFolia_255, Iota_250, Issimir_250, Izajani_249, JPickles_251, Janiyra_257, JayJay_249, Jaygup_250, Jedediah_255, Jemmno_253, Jessibeth14_253, JulietS_245, JustHall_247, Kamryn_252, Kboogie_257, Khaleesi_252, Koguma_252, LRRHood_245, Latch_253, Lee7_254, LifeSavor_254, LinStu_250, Littleton_257, Loanshark_250, LolaVinca_249, LordLeafolot_255, Lukilu_242, Maby2021_254, Mangeria_253, Matsumoto_251, McGee_255, McWolfish_250, Megamind_250, Melpomini_248, MikeLiesIn_254, Mikro_247, MoMoMixon_249, Momo_255, Morizzled23_251, Naija_254, Napoleon13_250, Nappy_252, Naval22_258, NedWong_252, Ngannou_248, Nidhogg_254, NoodleTree_249, Norm_253, NuevoMundo_255, ParkTD_252, Patter_255, Phlegm_258, Phox_254, Phusco_252, Pier_252, Pinkcreek_233, Pio_260, Pivoine_254, Pleione_257, PurduePete_254, QBert_245, Quasimodo_256, Rabinovich_246, Rahel_255, Rizal_242, RoMag_248, Ronan_249, Roots515_256, Salacia_255, Sauce_250, ScottMcG_245, Sebata_253, Shaqato_244, Shelob_254, ShiaLabeouf_251, Shifa_229, Shnickers_252, Shrimp_256, SilverDipper_258, SmallFry_254, Spec_247, Specks_258, Sprinklers_251, Spud_245, SrishMeg2525_251, StephanieG_247, StubbySaigey_260, Stubby_236, Teardrop_252, TinyTim_252, Tortoise16_251, Trinitium_250, Turret_244, Tyke_250, ValleyTerrace_254, Wally_251, Willis_254, Yassified_249, YemiJoy2021_254, YoungMoneyMata_253, Yucca_254, Zalkecks_252, Zeenon_254, ZygoTaiga_250,

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

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

- CherryTomatoes_180, E3_gp5, Finch_1, Greely_254, JeanGrey_1, Myrna_246, Phabba_256, Phrappuccino_2, Pupper_174, RedWattleHog_1, SCentae_173, ScoobyDoobyDoo_242, Settecandela_2, Skog_6, Stormageddon_1, Tonenili_275,

Summary by start number:

Start 7:

- Found in 4 of 198 (2.0%) of genes in pham
- Manual Annotations of this start: 3 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_254 (C2), Myrna_246 (C2), Phabba_256 (C2), ScoobyDoobyDoo_242 (C2),

Start 8:

- Found in 2 of 198 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RedWattleHog_1 (DX), Stormageddon_1 (DX),

Start 9:

- Found in 2 of 198 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 178
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Phrappuccino_2 (AA), Settecandela_2 (AA),

Start 10:

- Found in 2 of 198 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp5 (singleton), Finch_1 (singleton),

Start 11:

- Found in 2 of 198 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JeanGrey_1 (singleton),

Start 12:

- Found in 182 of 198 (91.9%) of genes in pham
- Manual Annotations of this start: 166 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_256 (C1), Adlitam_253 (C1), Alice_239 (C1), Amataga_254 (C1), ArcherS7_254 (C1), Asterius_250 (C1), Astraea_249 (C1), Atlantean_253 (C1), Audrick_256 (C1), Ava3_250 (C1), Babyland_256 (C1), BackyardAgain_248 (C1), BadAgartude_247 (C1), BananaFence_251 (C1), Bangla1971_254 (C1), Basquiat_251 (C1), BeanWater_246 (C1), BigCity_261 (C1), Bigswole_258 (C1), Bipolarisk_251 (C1), Blackbrain_252 (C1), Blubba_249 (C1), Bonray_256 (C1), Bread_250 (C1), Breeniome_253 (C1), Burrough_254 (C1), Bxz1_239 (C1), Cactojaque_248 (C1), Cali_243 (C1), Cane17_243 (C1), Capablanca_258 (C1), Caravan_243 (C1), Catera_242 (C1), Chargie21_251 (C1), CharlieB_248 (C1), ChaylaJr_252 (C1), ChickenPhender_249 (C1), Chomp_251 (C1), CindyLou_254 (C1), Colt_244 (C1), Concombre_259 (C1), DTDevon_254 (C1), Daffodil_259 (C1), Dandelion_259 (C1), Darko_253 (C1), Delilah_251 (C1), Delylah_255 (C1), Derek_249 (C1), Dietrick_242 (C1), DirtMonster_242 (C1), DrPhinkDaddy_250 (C1), Drazdys_250 (C1), ET08_239 (C1), EasyJones_254 (C1), EggyFarm_261 (C1), EmToTheThree_254 (C1), EmmaElysia_258 (C1), Erdmann_255 (C1), ErnieJ_247 (C1), Essence_251 (C1), Ewok_252 (C1), Flabslab_248 (C1), Fludd_253 (C1), FoxtrotP1_252 (C1), FrayBell_256 (C1), FudgeTart_249 (C1), Gabriel_256 (C1), Gamgam_255 (C1), Ghost_253 (C1), Gizmo_259 (C1), Grasshills_260 (C1), Grungle_235 (C1), Guwapp_249 (C1), Halldule_245 (C1), HyRo_238 (C1), I3_263 (C1), IkeLoa_247 (C1), InigoMontoya_257 (C1), InterFolia_255 (C1), Iota_250 (C1), Issimir_250 (C1), Izajani_249 (C1), JPickles_251 (C1), Janiyra_257 (C1), JayJay_249 (C1), Jaygup_250 (C1), Jedediah_255 (C1), Jemmno_253 (C1), Jessibeth14_253 (C1), JulietS_245 (C1), JustHall_247 (C1), Kamryn_252 (C1), Kboogie_257 (C1), Khaleesi_252 (C1), Koguma_252 (C1), LRRHood_245 (C1), Latch_253 (C1), Lee7_254 (C1), LifeSavor_254 (C1), LinStu_250 (C1), Littleton_257 (C1), Loanshark_250 (C1), LolaVinca_249 (C1), LordLeafolot_255 (C1), Lukilu_242 (C1), Maby2021_254 (C1), Mangeria_253 (C1), Matsumoto_251 (C1), McGee_255 (C1), McWolfish_250 (C1), Megamind_250 (C1), Melpomini_248 (C1), MikeLiesIn_254 (C1), Mikro_247 (C1), MoMoMixon_249 (C1), Momo_255 (C1), Morizzled23_251 (C1), Naija_254 (C1), Napoleon13_250 (C1), Nappy_252 (C1), Naval22_258 (C1), NedWong_252 (C1), Ngannou_248 (C1), Nidhogg_254 (C1), NoodleTree_249 (C1), Norm_253 (C1), NuevoMundo_255 (C1), ParkTD_252 (C1), Patter_255 (C1), Phlegm_258 (C1), Phox_254 (C1), Phusco_252 (C1), Pier_252 (C1), Pinkcreek_233

(C1), Pio_260 (C1), Pivoine_254 (C1), Pleione_257 (C1), PurduePete_254 (C1), QBert_245 (C1), Quasimodo_256 (C1), Rabinovich_246 (C1), Rahel_255 (C1), Rizal_242 (C1), RoMag_248 (C1), Ronan_249 (C1), Roots515_256 (C1), Salacia_255 (C1), Sauce_250 (C1), ScottMcG_245 (C1), Sebata_253 (C1), Shaqnato_244 (C1), Shelob_254 (C1), ShiaLabeouf_251 (C1), Shifa_229 (C1), Shnickers_252 (C1), Shrimp_256 (C1), SilverDipper_258 (C1), SmallFry_254 (C1), Spec_247 (C1), Specks_258 (C1), Sprinklers_251 (C1), Spud_245 (C1), SrishMeg2525_251 (C1), StephanieG_247 (C1), StubbySaigey_260 (C1), Stubby_236 (C1), Teardrop_252 (C1), TinyTim_252 (C1), Tortoise16_251 (C1), Trinitium_250 (C1), Turret_244 (C1), Tyke_250 (C1), ValleyTerrace_254 (C1), Wally_251 (C1), Willis_254 (C1), Yassified_249 (C1), YemiJoy2021_254 (C1), YoungMoneyMata_253 (C1), Yucca_254 (C1), Zalkecks_252 (C1), Zeenon_254 (C1), ZygoTaiga_250 (C1),

Start 13:

- Found in 1 of 198 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Skog_6 (DO),

Start 14:

- Found in 3 of 198 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 178
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Pupper_174 (DO), SCentae_173 (DO),

Start 15:

- Found in 1 of 198 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonenili_275 (C1),

Start 19:

- Found in 190 of 198 (96.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_180 (DO),

Summary by clusters:

There are 6 clusters represented in this pham: AA, DO, singleton, DX, C2, C1,

Info for manual annotations of cluster AA:

- Start number 9 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 12 was manually annotated 166 times for cluster C1.
- Start number 15 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster C2:

- Start number 7 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster DO:

- Start number 13 was manually annotated 1 time for cluster DO.
- Start number 14 was manually annotated 2 times for cluster DO.

Info for manual annotations of cluster DX:

- Start number 8 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Ading_256 Start: 147670, Stop: 150693, Start Num: 12

Candidate Starts for Ading_256:

(2, 147388), (Start: 12 @147670 has 166 MA's), (19, 147736), (21, 147778), (23, 147802), (25, 147820), (30, 147859), (38, 147931), (39, 147946), (42, 148003), (44, 148009), (45, 148036), (49, 148111), (51, 148123), (59, 148198), (60, 148201), (69, 148309), (77, 148420), (82, 148507), (84, 148537), (85, 148555), (88, 148579), (90, 148594), (99, 148885), (100, 148945), (102, 148993), (103, 149002), (105, 149074), (106, 149176), (107, 149221), (108, 149251), (110, 149314), (113, 149329), (127, 149488), (133, 149512), (136, 149569), (141, 149656), (150, 149764), (166, 149935), (168, 149947), (172, 149998), (177, 150055), (193, 150202), (203, 150325), (205, 150352), (206, 150355), (207, 150358), (208, 150361), (215, 150418), (218, 150466), (228, 150526), (231, 150535), (242, 150646),

Gene: Adlitam_253 Start: 145825, Stop: 148041, Start Num: 12

Candidate Starts for Adlitam_253:

(2, 145543), (Start: 12 @145825 has 166 MA's), (19, 145891), (21, 145933), (23, 145957), (25, 145975), (30, 146014), (38, 146086), (39, 146101), (42, 146158), (44, 146164), (45, 146191), (49, 146266), (51, 146278), (59, 146353), (60, 146356), (69, 146464), (74, 146548), (77, 146575), (82, 146662), (127, 146836), (133, 146860), (136, 146917), (141, 147004), (150, 147112), (154, 147172), (166, 147283), (168, 147295), (170, 147304), (172, 147346), (177, 147403), (190, 147535), (193, 147550), (203, 147673), (205, 147700), (206, 147703), (207, 147706), (208, 147709), (215, 147766), (218, 147814), (228, 147874), (231, 147883), (242, 147994),

Gene: Alice_239 Start: 142901, Stop: 145924, Start Num: 12

Candidate Starts for Alice_239:

(Start: 12 @142901 has 166 MA's), (19, 142967), (21, 143009), (23, 143033), (25, 143051), (30, 143090), (38, 143162), (39, 143177), (42, 143234), (44, 143240), (45, 143267), (49, 143342), (51, 143354), (59, 143429), (60, 143432), (69, 143540), (77, 143651), (82, 143738), (84, 143768), (85, 143786), (88, 143810), (90, 143825), (99, 144116), (100, 144176), (102, 144224), (103, 144233), (104, 144257), (106, 144407), (107, 144452), (108, 144482), (110, 144545), (113, 144560), (127, 144719), (133, 144743), (136, 144800), (141, 144887), (150, 144995), (154, 145055), (166, 145166), (168, 145178), (170, 145187), (172, 145229), (177, 145286), (193, 145433), (203, 145556), (205, 145583), (206, 145586), (207, 145589), (208, 145592), (215, 145649), (218, 145697), (228, 145757), (231, 145766), (242, 145877),

Gene: Amataga_254 Start: 144824, Stop: 147847, Start Num: 12

Candidate Starts for Amataga_254:

(2, 144542), (Start: 12 @144824 has 166 MA's), (19, 144890), (21, 144932), (23, 144956), (25, 144974), (30, 145013), (38, 145085), (39, 145100), (42, 145157), (44, 145163), (45, 145190), (49, 145265), (51, 145277), (59, 145352), (60, 145355), (69, 145463), (77, 145574), (82, 145661), (84, 145691), (85, 145709), (88, 145733), (90, 145748), (99, 146039), (100, 146099), (102, 146147), (103, 146156), (105, 146228), (106, 146330), (107, 146375), (108, 146405), (110, 146468), (113, 146483), (127, 146642), (133, 146666), (136, 146723), (141, 146810), (150, 146918), (166, 147089), (168, 147101), (172, 147152), (177, 147209), (193, 147356), (203, 147479), (205, 147506), (206, 147509),

(207, 147512), (208, 147515), (215, 147572), (218, 147620), (228, 147680), (231, 147689), (242, 147800),

Gene: ArcherS7_254 Start: 146569, Stop: 149592, Start Num: 12

Candidate Starts for ArcherS7_254:

(2, 146287), (Start: 12 @146569 has 166 MA's), (19, 146635), (21, 146677), (23, 146701), (25, 146719), (30, 146758), (38, 146830), (39, 146845), (42, 146902), (44, 146908), (45, 146935), (49, 147010), (51, 147022), (59, 147097), (60, 147100), (69, 147208), (74, 147292), (77, 147319), (82, 147406), (84, 147436), (85, 147454), (88, 147478), (90, 147493), (99, 147784), (100, 147844), (102, 147892), (103, 147901), (105, 147973), (106, 148075), (107, 148120), (108, 148150), (110, 148213), (113, 148228), (127, 148387), (133, 148411), (136, 148468), (141, 148555), (150, 148663), (154, 148723), (166, 148834), (168, 148846), (170, 148855), (172, 148897), (177, 148954), (190, 149086), (193, 149101), (203, 149224), (205, 149251), (206, 149254), (207, 149257), (208, 149260), (215, 149317), (218, 149365), (228, 149425), (231, 149434), (242, 149545),

Gene: Asterius_250 Start: 145682, Stop: 147898, Start Num: 12

Candidate Starts for Asterius_250:

(2, 145400), (Start: 12 @145682 has 166 MA's), (19, 145748), (21, 145790), (23, 145814), (25, 145832), (30, 145871), (38, 145943), (39, 145958), (42, 146015), (44, 146021), (45, 146048), (49, 146123), (51, 146135), (59, 146210), (60, 146213), (69, 146321), (74, 146405), (77, 146432), (82, 146519), (127, 146693), (133, 146717), (136, 146774), (141, 146861), (150, 146969), (154, 147029), (166, 147140), (168, 147152), (170, 147161), (172, 147203), (177, 147260), (190, 147392), (193, 147407), (203, 147530), (205, 147557), (206, 147560), (207, 147563), (208, 147566), (215, 147623), (218, 147671), (228, 147731), (231, 147740), (242, 147851),

Gene: Astraea_249 Start: 144877, Stop: 147900, Start Num: 12

Candidate Starts for Astraea_249:

(2, 144595), (Start: 12 @144877 has 166 MA's), (19, 144943), (21, 144985), (23, 145009), (25, 145027), (30, 145066), (38, 145138), (39, 145153), (42, 145210), (44, 145216), (45, 145243), (49, 145318), (51, 145330), (59, 145405), (60, 145408), (69, 145516), (74, 145600), (77, 145627), (82, 145714), (84, 145744), (85, 145762), (88, 145786), (90, 145801), (99, 146092), (100, 146152), (102, 146200), (103, 146209), (104, 146233), (106, 146383), (107, 146428), (108, 146458), (110, 146521), (113, 146536), (127, 146695), (133, 146719), (136, 146776), (141, 146863), (150, 146971), (154, 147031), (166, 147142), (168, 147154), (172, 147205), (177, 147262), (193, 147409), (203, 147532), (205, 147559), (206, 147562), (207, 147565), (208, 147568), (215, 147625), (218, 147673), (228, 147733), (231, 147742), (242, 147853),

Gene: Atlantean_253 Start: 144824, Stop: 147847, Start Num: 12

Candidate Starts for Atlantean_253:

(2, 144542), (Start: 12 @144824 has 166 MA's), (19, 144890), (21, 144932), (23, 144956), (25, 144974), (30, 145013), (38, 145085), (39, 145100), (42, 145157), (44, 145163), (45, 145190), (49, 145265), (51, 145277), (59, 145352), (60, 145355), (69, 145463), (77, 145574), (82, 145661), (84, 145691), (85, 145709), (88, 145733), (90, 145748), (99, 146039), (100, 146099), (102, 146147), (103, 146156), (105, 146228), (106, 146330), (107, 146375), (108, 146405), (110, 146468), (113, 146483), (127, 146642), (133, 146666), (136, 146723), (141, 146810), (150, 146918), (166, 147089), (168, 147101), (172, 147152), (177, 147209), (193, 147356), (203, 147479), (205, 147506), (206, 147509), (207, 147512), (208, 147515), (215, 147572), (218, 147620), (228, 147680), (231, 147689), (242, 147800),

Gene: Audrick_256 Start: 144714, Stop: 147737, Start Num: 12

Candidate Starts for Audrick_256:

(2, 144432), (Start: 12 @144714 has 166 MA's), (19, 144780), (21, 144822), (23, 144846), (25, 144864), (30, 144903), (38, 144975), (39, 144990), (42, 145047), (44, 145053), (45, 145080), (49,

145155), (51, 145167), (59, 145242), (60, 145245), (69, 145353), (77, 145464), (82, 145551), (84, 145581), (85, 145599), (88, 145623), (90, 145638), (99, 145929), (100, 145989), (102, 146037), (103, 146046), (105, 146118), (106, 146220), (107, 146265), (108, 146295), (110, 146358), (113, 146373), (127, 146532), (133, 146556), (136, 146613), (141, 146700), (150, 146808), (166, 146979), (168, 146991), (172, 147042), (177, 147099), (193, 147246), (203, 147369), (205, 147396), (206, 147399), (207, 147402), (208, 147405), (215, 147462), (218, 147510), (228, 147570), (231, 147579), (242, 147690),

Gene: Ava3_250 Start: 145284, Stop: 147500, Start Num: 12

Candidate Starts for Ava3_250:

(2, 145002), (Start: 12 @145284 has 166 MA's), (19, 145350), (21, 145392), (23, 145416), (25, 145434), (30, 145473), (38, 145545), (39, 145560), (42, 145617), (44, 145623), (45, 145650), (49, 145725), (51, 145737), (59, 145812), (60, 145815), (69, 145923), (74, 146007), (77, 146034), (82, 146121), (127, 146295), (133, 146319), (136, 146376), (141, 146463), (150, 146571), (154, 146631), (166, 146742), (168, 146754), (170, 146763), (172, 146805), (177, 146862), (190, 146994), (193, 147009), (203, 147132), (205, 147159), (206, 147162), (207, 147165), (208, 147168), (215, 147225), (218, 147273), (228, 147333), (231, 147342), (242, 147453),

Gene: Babyland_256 Start: 145601, Stop: 148624, Start Num: 12

Candidate Starts for Babyland_256:

(2, 145319), (Start: 12 @145601 has 166 MA's), (19, 145667), (21, 145709), (23, 145733), (25, 145751), (30, 145790), (38, 145862), (39, 145877), (42, 145934), (44, 145940), (45, 145967), (49, 146042), (51, 146054), (59, 146129), (60, 146132), (69, 146240), (77, 146351), (82, 146438), (84, 146468), (85, 146486), (88, 146510), (90, 146525), (99, 146816), (100, 146876), (102, 146924), (103, 146933), (105, 147005), (106, 147107), (107, 147152), (108, 147182), (110, 147245), (113, 147260), (127, 147419), (133, 147443), (136, 147500), (141, 147587), (150, 147695), (166, 147866), (168, 147878), (172, 147929), (177, 147986), (193, 148133), (203, 148256), (205, 148283), (206, 148286), (207, 148289), (208, 148292), (215, 148349), (218, 148397), (228, 148457), (231, 148466), (242, 148577),

Gene: BackyardAgain_248 Start: 142974, Stop: 145997, Start Num: 12

Candidate Starts for BackyardAgain_248:

(2, 142692), (Start: 12 @142974 has 166 MA's), (19, 143040), (21, 143082), (23, 143106), (25, 143124), (30, 143163), (38, 143235), (39, 143250), (42, 143307), (44, 143313), (45, 143340), (49, 143415), (51, 143427), (59, 143502), (60, 143505), (69, 143613), (77, 143724), (82, 143811), (84, 143841), (85, 143859), (88, 143883), (90, 143898), (99, 144189), (100, 144249), (102, 144297), (103, 144306), (105, 144378), (106, 144480), (107, 144525), (108, 144555), (110, 144618), (113, 144633), (127, 144792), (133, 144816), (136, 144873), (141, 144960), (150, 145068), (154, 145128), (166, 145239), (168, 145251), (172, 145302), (177, 145359), (193, 145506), (203, 145629), (205, 145656), (206, 145659), (207, 145662), (208, 145665), (215, 145722), (218, 145770), (228, 145830), (231, 145839), (242, 145950),

Gene: BadAgartude_247 Start: 144886, Stop: 147909, Start Num: 12

Candidate Starts for BadAgartude_247:

(2, 144604), (Start: 12 @144886 has 166 MA's), (19, 144952), (21, 144994), (23, 145018), (25, 145036), (30, 145075), (38, 145147), (39, 145162), (42, 145219), (44, 145225), (45, 145252), (49, 145327), (51, 145339), (59, 145414), (60, 145417), (69, 145525), (74, 145609), (77, 145636), (82, 145723), (84, 145753), (85, 145771), (88, 145795), (90, 145810), (99, 146101), (100, 146161), (102, 146209), (103, 146218), (104, 146242), (106, 146392), (107, 146437), (108, 146467), (110, 146530), (113, 146545), (127, 146704), (133, 146728), (136, 146785), (141, 146872), (150, 146980), (154, 147040), (166, 147151), (168, 147163), (170, 147172), (172, 147214), (177, 147271), (190, 147403), (193, 147418), (203, 147541), (205, 147568), (206, 147571), (207, 147574), (208, 147577), (215, 147634), (218, 147682), (228, 147742), (231, 147751), (242, 147862),

Gene: BananaFence_251 Start: 145506, Stop: 148529, Start Num: 12

Candidate Starts for BananaFence_251:

(2, 145224), (Start: 12 @145506 has 166 MA's), (19, 145572), (21, 145614), (23, 145638), (25, 145656), (30, 145695), (38, 145767), (39, 145782), (42, 145839), (44, 145845), (45, 145872), (49, 145947), (51, 145959), (59, 146034), (60, 146037), (69, 146145), (77, 146256), (82, 146343), (84, 146373), (85, 146391), (88, 146415), (90, 146430), (99, 146721), (100, 146781), (102, 146829), (103, 146838), (104, 146862), (106, 147012), (107, 147057), (108, 147087), (110, 147150), (113, 147165), (127, 147324), (133, 147348), (136, 147405), (141, 147492), (150, 147600), (154, 147660), (166, 147771), (168, 147783), (170, 147792), (172, 147834), (177, 147891), (190, 148023), (193, 148038), (203, 148161), (205, 148188), (206, 148191), (207, 148194), (208, 148197), (215, 148254), (218, 148302), (228, 148362), (231, 148371), (242, 148482),

Gene: Bangla1971_254 Start: 145533, Stop: 147749, Start Num: 12

Candidate Starts for Bangla1971_254:

(2, 145251), (Start: 12 @145533 has 166 MA's), (19, 145599), (21, 145641), (23, 145665), (25, 145683), (30, 145722), (38, 145794), (39, 145809), (42, 145866), (44, 145872), (45, 145899), (49, 145974), (51, 145986), (59, 146061), (60, 146064), (69, 146172), (74, 146256), (77, 146283), (82, 146370), (127, 146544), (133, 146568), (136, 146625), (141, 146712), (150, 146820), (154, 146880), (166, 146991), (168, 147003), (170, 147012), (172, 147054), (177, 147111), (190, 147243), (193, 147258), (203, 147381), (205, 147408), (206, 147411), (207, 147414), (208, 147417), (215, 147474), (218, 147522), (228, 147582), (231, 147591), (242, 147702),

Gene: Basquiat_251 Start: 143792, Stop: 146815, Start Num: 12

Candidate Starts for Basquiat_251:

(2, 143510), (Start: 12 @143792 has 166 MA's), (19, 143858), (21, 143900), (23, 143924), (25, 143942), (30, 143981), (38, 144053), (39, 144068), (42, 144125), (44, 144131), (45, 144158), (49, 144233), (51, 144245), (59, 144320), (60, 144323), (69, 144431), (74, 144515), (77, 144542), (82, 144629), (84, 144659), (85, 144677), (88, 144701), (90, 144716), (99, 145007), (100, 145067), (102, 145115), (103, 145124), (105, 145196), (106, 145298), (107, 145343), (108, 145373), (110, 145436), (113, 145451), (127, 145610), (133, 145634), (136, 145691), (141, 145778), (150, 145886), (154, 145946), (166, 146057), (168, 146069), (172, 146120), (177, 146177), (193, 146324), (203, 146447), (205, 146474), (206, 146477), (207, 146480), (208, 146483), (215, 146540), (218, 146588), (228, 146648), (231, 146657), (242, 146768),

Gene: BeanWater_246 Start: 144669, Stop: 146885, Start Num: 12

Candidate Starts for BeanWater_246:

(2, 144387), (Start: 12 @144669 has 166 MA's), (19, 144735), (21, 144777), (23, 144801), (25, 144819), (30, 144858), (38, 144930), (39, 144945), (42, 145002), (44, 145008), (45, 145035), (49, 145110), (51, 145122), (59, 145197), (60, 145200), (69, 145308), (74, 145392), (77, 145419), (82, 145506), (127, 145680), (133, 145704), (136, 145761), (141, 145848), (150, 145956), (154, 146016), (166, 146127), (168, 146139), (170, 146148), (172, 146190), (177, 146247), (190, 146379), (193, 146394), (203, 146517), (205, 146544), (206, 146547), (207, 146550), (208, 146553), (215, 146610), (218, 146658), (228, 146718), (231, 146727), (242, 146838),

Gene: BigCity_261 Start: 147424, Stop: 149640, Start Num: 12

Candidate Starts for BigCity_261:

(2, 147142), (Start: 12 @147424 has 166 MA's), (19, 147490), (21, 147532), (23, 147556), (25, 147574), (30, 147613), (38, 147685), (39, 147700), (42, 147757), (44, 147763), (45, 147790), (49, 147865), (51, 147877), (59, 147952), (60, 147955), (69, 148063), (74, 148147), (77, 148174), (82, 148261), (127, 148435), (133, 148459), (136, 148516), (141, 148603), (150, 148711), (154, 148771), (166, 148882), (168, 148894), (170, 148903), (172, 148945), (177, 149002), (191, 149140), (193, 149149), (203, 149272), (205, 149299), (206, 149302), (207, 149305), (208, 149308), (215, 149365),

(218, 149413), (228, 149473), (231, 149482), (242, 149593),

Gene: Bigswole_258 Start: 147335, Stop: 149551, Start Num: 12

Candidate Starts for Bigswole_258:

(2, 147053), (Start: 12 @147335 has 166 MA's), (19, 147401), (21, 147443), (23, 147467), (25, 147485), (30, 147524), (38, 147596), (39, 147611), (42, 147668), (44, 147674), (45, 147701), (49, 147776), (51, 147788), (59, 147863), (60, 147866), (69, 147974), (74, 148058), (77, 148085), (82, 148172), (127, 148346), (133, 148370), (136, 148427), (141, 148514), (150, 148622), (154, 148682), (166, 148793), (168, 148805), (170, 148814), (172, 148856), (177, 148913), (190, 149045), (193, 149060), (203, 149183), (205, 149210), (206, 149213), (207, 149216), (208, 149219), (215, 149276), (218, 149324), (228, 149384), (231, 149393), (242, 149504),

Gene: Bipolarisk_251 Start: 145552, Stop: 147768, Start Num: 12

Candidate Starts for Bipolarisk_251:

(2, 145270), (Start: 12 @145552 has 166 MA's), (19, 145618), (21, 145660), (23, 145684), (25, 145702), (30, 145741), (38, 145813), (39, 145828), (42, 145885), (44, 145891), (45, 145918), (49, 145993), (51, 146005), (59, 146080), (60, 146083), (69, 146191), (74, 146275), (77, 146302), (82, 146389), (127, 146563), (133, 146587), (136, 146644), (141, 146731), (150, 146839), (154, 146899), (166, 147010), (168, 147022), (170, 147031), (172, 147073), (177, 147130), (190, 147262), (193, 147277), (203, 147400), (205, 147427), (206, 147430), (207, 147433), (208, 147436), (215, 147493), (218, 147541), (228, 147601), (231, 147610), (242, 147721),

Gene: Blackbrain_252 Start: 145569, Stop: 148592, Start Num: 12

Candidate Starts for Blackbrain_252:

(2, 145287), (Start: 12 @145569 has 166 MA's), (19, 145635), (21, 145677), (23, 145701), (25, 145719), (30, 145758), (38, 145830), (39, 145845), (42, 145902), (44, 145908), (45, 145935), (49, 146010), (51, 146022), (59, 146097), (60, 146100), (69, 146208), (74, 146292), (77, 146319), (82, 146406), (84, 146436), (85, 146454), (88, 146478), (90, 146493), (99, 146784), (100, 146844), (102, 146892), (103, 146901), (105, 146973), (106, 147075), (107, 147120), (108, 147150), (110, 147213), (113, 147228), (127, 147387), (133, 147411), (136, 147468), (141, 147555), (150, 147663), (154, 147723), (166, 147834), (168, 147846), (172, 147897), (177, 147954), (193, 148101), (203, 148224), (205, 148251), (206, 148254), (207, 148257), (208, 148260), (215, 148317), (218, 148365), (228, 148425), (231, 148434), (242, 148545),

Gene: Blubba_249 Start: 148830, Stop: 151853, Start Num: 12

Candidate Starts for Blubba_249:

(Start: 12 @148830 has 166 MA's), (19, 148896), (21, 148938), (23, 148962), (25, 148980), (30, 149019), (38, 149091), (39, 149106), (42, 149163), (44, 149169), (45, 149196), (49, 149271), (51, 149283), (59, 149358), (60, 149361), (69, 149469), (77, 149580), (82, 149667), (84, 149697), (85, 149715), (88, 149739), (90, 149754), (99, 150045), (100, 150105), (102, 150153), (103, 150162), (104, 150186), (106, 150336), (107, 150381), (108, 150411), (110, 150474), (113, 150489), (127, 150648), (133, 150672), (136, 150729), (141, 150816), (150, 150924), (154, 150984), (166, 151095), (168, 151107), (170, 151116), (172, 151158), (177, 151215), (193, 151362), (203, 151485), (205, 151512), (206, 151515), (207, 151518), (208, 151521), (215, 151578), (218, 151626), (228, 151686), (231, 151695), (242, 151806),

Gene: Bonray_256 Start: 147369, Stop: 150392, Start Num: 12

Candidate Starts for Bonray_256:

(2, 147087), (Start: 12 @147369 has 166 MA's), (19, 147435), (21, 147477), (23, 147501), (25, 147519), (30, 147558), (38, 147630), (39, 147645), (42, 147702), (44, 147708), (45, 147735), (49, 147810), (51, 147822), (59, 147897), (60, 147900), (69, 148008), (74, 148092), (77, 148119), (82, 148206), (84, 148236), (85, 148254), (88, 148278), (90, 148293), (99, 148584), (100, 148644), (102, 148692), (103, 148701), (105, 148773), (106, 148875), (107, 148920), (108, 148950), (110, 149013),

(113, 149028), (127, 149187), (133, 149211), (136, 149268), (141, 149355), (150, 149463), (154, 149523), (166, 149634), (168, 149646), (170, 149655), (172, 149697), (177, 149754), (193, 149901), (203, 150024), (205, 150051), (206, 150054), (207, 150057), (208, 150060), (215, 150117), (218, 150165), (228, 150225), (231, 150234), (242, 150345),

Gene: Bread_250 Start: 145336, Stop: 147552, Start Num: 12

Candidate Starts for Bread_250:

(2, 145054), (Start: 12 @145336 has 166 MA's), (19, 145402), (21, 145444), (23, 145468), (25, 145486), (30, 145525), (38, 145597), (39, 145612), (42, 145669), (44, 145675), (45, 145702), (49, 145777), (51, 145789), (59, 145864), (60, 145867), (69, 145975), (74, 146059), (77, 146086), (82, 146173), (127, 146347), (133, 146371), (136, 146428), (141, 146515), (150, 146623), (154, 146683), (166, 146794), (168, 146806), (170, 146815), (172, 146857), (177, 146914), (190, 147046), (193, 147061), (203, 147184), (205, 147211), (206, 147214), (207, 147217), (208, 147220), (215, 147277), (218, 147325), (228, 147385), (231, 147394), (242, 147505),

Gene: Breeniome_253 Start: 144324, Stop: 147347, Start Num: 12

Candidate Starts for Breeniome_253:

(2, 144042), (Start: 12 @144324 has 166 MA's), (19, 144390), (21, 144432), (23, 144456), (25, 144474), (30, 144513), (38, 144585), (39, 144600), (42, 144657), (44, 144663), (45, 144690), (49, 144765), (51, 144777), (59, 144852), (60, 144855), (69, 144963), (74, 145047), (77, 145074), (82, 145161), (84, 145191), (85, 145209), (88, 145233), (90, 145248), (99, 145539), (100, 145599), (102, 145647), (103, 145656), (105, 145728), (106, 145830), (107, 145875), (108, 145905), (110, 145968), (113, 145983), (127, 146142), (133, 146166), (136, 146223), (141, 146310), (150, 146418), (154, 146478), (166, 146589), (168, 146601), (170, 146610), (172, 146652), (177, 146709), (190, 146841), (193, 146856), (203, 146979), (205, 147006), (206, 147009), (207, 147012), (208, 147015), (215, 147072), (218, 147120), (228, 147180), (231, 147189), (242, 147300),

Gene: Burrough_254 Start: 146697, Stop: 148913, Start Num: 12

Candidate Starts for Burrough_254:

(2, 146415), (Start: 12 @146697 has 166 MA's), (19, 146763), (21, 146805), (23, 146829), (25, 146847), (30, 146886), (38, 146958), (39, 146973), (42, 147030), (44, 147036), (45, 147063), (49, 147138), (51, 147150), (59, 147225), (60, 147228), (69, 147336), (74, 147420), (77, 147447), (82, 147534), (127, 147708), (133, 147732), (136, 147789), (141, 147876), (150, 147984), (154, 148044), (166, 148155), (168, 148167), (170, 148176), (172, 148218), (177, 148275), (190, 148407), (193, 148422), (203, 148545), (205, 148572), (206, 148575), (207, 148578), (208, 148581), (215, 148638), (218, 148686), (228, 148746), (231, 148755), (242, 148866),

Gene: Bxz1_239 Start: 146901, Stop: 149117, Start Num: 12

Candidate Starts for Bxz1_239:

(2, 146619), (Start: 12 @146901 has 166 MA's), (19, 146967), (21, 147009), (23, 147033), (25, 147051), (30, 147090), (38, 147162), (39, 147177), (42, 147234), (44, 147240), (45, 147267), (49, 147342), (51, 147354), (59, 147429), (60, 147432), (69, 147540), (74, 147624), (77, 147651), (82, 147738), (127, 147912), (133, 147936), (136, 147993), (141, 148080), (150, 148188), (154, 148248), (166, 148359), (168, 148371), (170, 148380), (172, 148422), (177, 148479), (190, 148611), (193, 148626), (203, 148749), (205, 148776), (206, 148779), (207, 148782), (208, 148785), (215, 148842), (218, 148890), (228, 148950), (231, 148959), (242, 149070),

Gene: Cactojaque_248 Start: 144515, Stop: 147538, Start Num: 12

Candidate Starts for Cactojaque_248:

(2, 144233), (Start: 12 @144515 has 166 MA's), (19, 144581), (21, 144623), (23, 144647), (25, 144665), (30, 144704), (38, 144776), (39, 144791), (42, 144848), (44, 144854), (45, 144881), (49, 144956), (51, 144968), (59, 145043), (60, 145046), (69, 145154), (74, 145238), (77, 145265), (82, 145352), (84, 145382), (85, 145400), (88, 145424), (90, 145439), (99, 145730), (100, 145790), (102,

145838), (103, 145847), (105, 145919), (106, 146021), (107, 146066), (108, 146096), (110, 146159), (113, 146174), (127, 146333), (133, 146357), (136, 146414), (141, 146501), (150, 146609), (154, 146669), (166, 146780), (168, 146792), (172, 146843), (177, 146900), (193, 147047), (203, 147170), (205, 147197), (206, 147200), (207, 147203), (208, 147206), (215, 147263), (218, 147311), (228, 147371), (231, 147380), (242, 147491),

Gene: Cali_243 Start: 145294, Stop: 148317, Start Num: 12

Candidate Starts for Cali_243:

(Start: 12 @145294 has 166 MA's), (19, 145360), (21, 145402), (23, 145426), (25, 145444), (30, 145483), (38, 145555), (39, 145570), (42, 145627), (44, 145633), (45, 145660), (49, 145735), (51, 145747), (59, 145822), (60, 145825), (69, 145933), (74, 146017), (77, 146044), (82, 146131), (84, 146161), (85, 146179), (88, 146203), (90, 146218), (99, 146509), (100, 146569), (102, 146617), (103, 146626), (105, 146698), (106, 146800), (107, 146845), (108, 146875), (110, 146938), (113, 146953), (127, 147112), (133, 147136), (136, 147193), (141, 147280), (150, 147388), (154, 147448), (166, 147559), (168, 147571), (170, 147580), (172, 147622), (177, 147679), (190, 147811), (193, 147826), (203, 147949), (205, 147976), (206, 147979), (207, 147982), (208, 147985), (215, 148042), (218, 148090), (228, 148150), (231, 148159), (242, 148270),

Gene: Cane17_243 Start: 149239, Stop: 152262, Start Num: 12

Candidate Starts for Cane17_243:

(Start: 12 @149239 has 166 MA's), (19, 149305), (21, 149347), (23, 149371), (25, 149389), (30, 149428), (38, 149500), (39, 149515), (42, 149572), (44, 149578), (45, 149605), (49, 149680), (51, 149692), (59, 149767), (60, 149770), (69, 149878), (74, 149962), (77, 149989), (82, 150076), (84, 150106), (85, 150124), (88, 150148), (90, 150163), (99, 150454), (100, 150514), (103, 150571), (104, 150595), (106, 150745), (107, 150790), (108, 150820), (110, 150883), (113, 150898), (127, 151057), (133, 151081), (136, 151138), (141, 151225), (150, 151333), (154, 151393), (166, 151504), (168, 151516), (170, 151525), (172, 151567), (177, 151624), (193, 151771), (203, 151894), (205, 151921), (206, 151924), (207, 151927), (208, 151930), (215, 151987), (218, 152035), (228, 152095), (231, 152104), (242, 152215),

Gene: Capablanca_258 Start: 147548, Stop: 150571, Start Num: 12

Candidate Starts for Capablanca_258:

(2, 147266), (Start: 12 @147548 has 166 MA's), (19, 147614), (21, 147656), (23, 147680), (25, 147698), (30, 147737), (38, 147809), (39, 147824), (42, 147881), (44, 147887), (45, 147914), (49, 147989), (51, 148001), (59, 148076), (60, 148079), (69, 148187), (74, 148271), (77, 148298), (82, 148385), (84, 148415), (85, 148433), (88, 148457), (90, 148472), (99, 148763), (100, 148823), (102, 148871), (103, 148880), (105, 148952), (106, 149054), (107, 149099), (108, 149129), (110, 149192), (113, 149207), (127, 149366), (133, 149390), (136, 149447), (141, 149534), (150, 149642), (154, 149702), (166, 149813), (168, 149825), (170, 149834), (172, 149876), (177, 149933), (190, 150065), (193, 150080), (203, 150203), (205, 150230), (206, 150233), (207, 150236), (208, 150239), (215, 150296), (218, 150344), (228, 150404), (231, 150413), (242, 150524),

Gene: Caravan_243 Start: 145598, Stop: 147814, Start Num: 12

Candidate Starts for Caravan_243:

(2, 145316), (Start: 12 @145598 has 166 MA's), (19, 145664), (21, 145706), (23, 145730), (25, 145748), (30, 145787), (38, 145859), (39, 145874), (42, 145931), (44, 145937), (45, 145964), (49, 146039), (51, 146051), (59, 146126), (60, 146129), (69, 146237), (74, 146321), (77, 146348), (82, 146435), (127, 146609), (133, 146633), (136, 146690), (141, 146777), (150, 146885), (154, 146945), (166, 147056), (168, 147068), (170, 147077), (172, 147119), (177, 147176), (190, 147308), (193, 147323), (203, 147446), (205, 147473), (206, 147476), (207, 147479), (208, 147482), (215, 147539), (218, 147587), (228, 147647), (231, 147656), (242, 147767),

Gene: Catera_242 Start: 144037, Stop: 147060, Start Num: 12

Candidate Starts for Catera_242:

(2, 143755), (Start: 12 @144037 has 166 MA's), (19, 144103), (21, 144145), (23, 144169), (25, 144187), (30, 144226), (38, 144298), (39, 144313), (42, 144370), (44, 144376), (45, 144403), (49, 144478), (51, 144490), (59, 144565), (60, 144568), (69, 144676), (77, 144787), (82, 144874), (84, 144904), (85, 144922), (88, 144946), (90, 144961), (99, 145252), (100, 145312), (102, 145360), (103, 145369), (105, 145441), (106, 145543), (107, 145588), (108, 145618), (110, 145681), (113, 145696), (127, 145855), (133, 145879), (136, 145936), (141, 146023), (150, 146131), (154, 146191), (166, 146302), (168, 146314), (172, 146365), (177, 146422), (193, 146569), (203, 146692), (205, 146719), (206, 146722), (207, 146725), (208, 146728), (215, 146785), (218, 146833), (228, 146893), (231, 146902), (242, 147013),

Gene: Chargie21_251 Start: 143792, Stop: 146815, Start Num: 12

Candidate Starts for Chargie21_251:

(2, 143510), (Start: 12 @143792 has 166 MA's), (19, 143858), (21, 143900), (23, 143924), (25, 143942), (30, 143981), (38, 144053), (39, 144068), (42, 144125), (44, 144131), (45, 144158), (49, 144233), (51, 144245), (59, 144320), (60, 144323), (69, 144431), (74, 144515), (77, 144542), (82, 144629), (84, 144659), (85, 144677), (88, 144701), (90, 144716), (99, 145007), (100, 145067), (102, 145115), (103, 145124), (105, 145196), (106, 145298), (107, 145343), (108, 145373), (110, 145436), (113, 145451), (127, 145610), (133, 145634), (136, 145691), (141, 145778), (150, 145886), (154, 145946), (166, 146057), (168, 146069), (172, 146120), (177, 146177), (193, 146324), (203, 146447), (205, 146474), (206, 146477), (207, 146480), (208, 146483), (215, 146540), (218, 146588), (228, 146648), (231, 146657), (242, 146768),

Gene: CharlieB_248 Start: 145060, Stop: 148083, Start Num: 12

Candidate Starts for CharlieB_248:

(2, 144778), (Start: 12 @145060 has 166 MA's), (19, 145126), (21, 145168), (23, 145192), (25, 145210), (30, 145249), (38, 145321), (39, 145336), (42, 145393), (44, 145399), (45, 145426), (49, 145501), (51, 145513), (59, 145588), (60, 145591), (69, 145699), (74, 145783), (77, 145810), (82, 145897), (84, 145927), (85, 145945), (88, 145969), (90, 145984), (99, 146275), (100, 146335), (102, 146383), (103, 146392), (105, 146464), (106, 146566), (107, 146611), (108, 146641), (110, 146704), (113, 146719), (127, 146878), (133, 146902), (136, 146959), (141, 147046), (150, 147154), (154, 147214), (166, 147325), (168, 147337), (170, 147346), (172, 147388), (177, 147445), (190, 147577), (193, 147592), (203, 147715), (205, 147742), (206, 147745), (207, 147748), (208, 147751), (215, 147808), (218, 147856), (228, 147916), (231, 147925), (242, 148036),

Gene: ChaylaJr_252 Start: 144734, Stop: 147757, Start Num: 12

Candidate Starts for ChaylaJr_252:

(2, 144452), (Start: 12 @144734 has 166 MA's), (19, 144800), (21, 144842), (23, 144866), (25, 144884), (30, 144923), (38, 144995), (39, 145010), (42, 145067), (44, 145073), (45, 145100), (49, 145175), (51, 145187), (59, 145262), (60, 145265), (69, 145373), (74, 145457), (77, 145484), (82, 145571), (84, 145601), (85, 145619), (88, 145643), (90, 145658), (99, 145949), (100, 146009), (102, 146057), (103, 146066), (105, 146138), (106, 146240), (107, 146285), (108, 146315), (110, 146378), (113, 146393), (127, 146552), (133, 146576), (136, 146633), (141, 146720), (150, 146828), (154, 146888), (166, 146999), (168, 147011), (172, 147062), (177, 147119), (193, 147266), (203, 147389), (205, 147416), (206, 147419), (207, 147422), (208, 147425), (215, 147482), (218, 147530), (228, 147590), (231, 147599), (242, 147710),

Gene: CherryTomatoes_180 Start: 126776, Stop: 128935, Start Num: 19

Candidate Starts for CherryTomatoes_180:

(3, 126554), (4, 126557), (5, 126581), (Start: 14 @126731 has 2 MA's), (17, 126767), (19, 126776), (24, 126845), (30, 126899), (32, 126920), (38, 126971), (43, 127046), (44, 127049), (47, 127112), (50, 127160), (53, 127175), (59, 127238), (67, 127334), (69, 127349), (76, 127451), (77, 127460), (79, 127466), (82, 127547), (115, 127586), (118, 127622), (119, 127652), (130, 127733), (135, 127748),

(137, 127802), (141, 127886), (143, 127895), (148, 127979), (149, 127982), (150, 127991), (152, 128021), (153, 128024), (157, 128123), (166, 128246), (172, 128309), (176, 128357), (182, 128432), (184, 128441), (207, 128660), (210, 128669), (220, 128780), (224, 128798), (227, 128822), (228, 128825), (233, 128864), (236, 128897),

Gene: ChickenPhender_249 Start: 143490, Stop: 146513, Start Num: 12

Candidate Starts for ChickenPhender_249:

(2, 143208), (Start: 12 @143490 has 166 MA's), (19, 143556), (21, 143598), (23, 143622), (25, 143640), (30, 143679), (38, 143751), (39, 143766), (42, 143823), (44, 143829), (45, 143856), (49, 143931), (51, 143943), (59, 144018), (60, 144021), (69, 144129), (74, 144213), (77, 144240), (82, 144327), (84, 144357), (85, 144375), (88, 144399), (90, 144414), (99, 144705), (100, 144765), (102, 144813), (103, 144822), (105, 144894), (106, 144996), (107, 145041), (108, 145071), (110, 145134), (113, 145149), (127, 145308), (133, 145332), (136, 145389), (141, 145476), (150, 145584), (154, 145644), (166, 145755), (168, 145767), (172, 145818), (177, 145875), (193, 146022), (203, 146145), (205, 146172), (206, 146175), (207, 146178), (208, 146181), (215, 146238), (218, 146286), (228, 146346), (231, 146355), (242, 146466),

Gene: Chomp_251 Start: 146926, Stop: 149949, Start Num: 12

Candidate Starts for Chomp_251:

(2, 146644), (Start: 12 @146926 has 166 MA's), (19, 146992), (21, 147034), (23, 147058), (25, 147076), (30, 147115), (38, 147187), (39, 147202), (42, 147259), (44, 147265), (45, 147292), (49, 147367), (51, 147379), (59, 147454), (60, 147457), (69, 147565), (74, 147649), (77, 147676), (82, 147763), (84, 147793), (85, 147811), (88, 147835), (90, 147850), (99, 148141), (100, 148201), (102, 148249), (103, 148258), (105, 148330), (106, 148432), (107, 148477), (108, 148507), (110, 148570), (113, 148585), (127, 148744), (133, 148768), (136, 148825), (141, 148912), (150, 149020), (166, 149191), (168, 149203), (172, 149254), (177, 149311), (193, 149458), (203, 149581), (205, 149608), (206, 149611), (207, 149614), (208, 149617), (215, 149674), (218, 149722), (228, 149782), (231, 149791), (242, 149902),

Gene: CindyLou_254 Start: 147186, Stop: 150209, Start Num: 12

Candidate Starts for CindyLou_254:

(2, 146904), (Start: 12 @147186 has 166 MA's), (19, 147252), (21, 147294), (23, 147318), (25, 147336), (30, 147375), (38, 147447), (39, 147462), (42, 147519), (44, 147525), (45, 147552), (49, 147627), (51, 147639), (59, 147714), (60, 147717), (69, 147825), (77, 147936), (82, 148023), (84, 148053), (85, 148071), (88, 148095), (90, 148110), (99, 148401), (100, 148461), (102, 148509), (103, 148518), (105, 148590), (106, 148692), (107, 148737), (108, 148767), (110, 148830), (113, 148845), (127, 149004), (133, 149028), (136, 149085), (141, 149172), (150, 149280), (166, 149451), (168, 149463), (172, 149514), (177, 149571), (193, 149718), (203, 149841), (205, 149868), (206, 149871), (207, 149874), (208, 149877), (215, 149934), (218, 149982), (228, 150042), (231, 150051), (242, 150162),

Gene: Colt_244 Start: 148431, Stop: 151454, Start Num: 12

Candidate Starts for Colt_244:

(Start: 12 @148431 has 166 MA's), (19, 148497), (21, 148539), (23, 148563), (25, 148581), (30, 148620), (38, 148692), (39, 148707), (42, 148764), (44, 148770), (45, 148797), (49, 148872), (51, 148884), (59, 148959), (60, 148962), (69, 149070), (74, 149154), (77, 149181), (82, 149268), (84, 149298), (85, 149316), (88, 149340), (90, 149355), (99, 149646), (100, 149706), (102, 149754), (103, 149763), (104, 149787), (106, 149937), (107, 149982), (108, 150012), (110, 150075), (113, 150090), (127, 150249), (133, 150273), (136, 150330), (141, 150417), (150, 150525), (154, 150585), (166, 150696), (168, 150708), (170, 150717), (172, 150759), (177, 150816), (193, 150963), (203, 151086), (205, 151113), (206, 151116), (207, 151119), (208, 151122), (215, 151179), (218, 151227), (228, 151287), (231, 151296), (242, 151407),

Gene: Concombre_259 Start: 147531, Stop: 149747, Start Num: 12

Candidate Starts for Concombre_259:

(2, 147249), (Start: 12 @147531 has 166 MA's), (19, 147597), (21, 147639), (23, 147663), (25, 147681), (30, 147720), (38, 147792), (39, 147807), (42, 147864), (44, 147870), (45, 147897), (49, 147972), (51, 147984), (59, 148059), (60, 148062), (69, 148170), (74, 148254), (77, 148281), (82, 148368), (127, 148542), (133, 148566), (136, 148623), (141, 148710), (150, 148818), (154, 148878), (166, 148989), (168, 149001), (170, 149010), (172, 149052), (177, 149109), (190, 149241), (193, 149256), (203, 149379), (205, 149406), (206, 149409), (207, 149412), (208, 149415), (215, 149472), (218, 149520), (228, 149580), (231, 149589), (242, 149700),

Gene: DTDevon_254 Start: 147565, Stop: 149781, Start Num: 12

Candidate Starts for DTDevon_254:

(2, 147283), (Start: 12 @147565 has 166 MA's), (19, 147631), (21, 147673), (23, 147697), (25, 147715), (30, 147754), (38, 147826), (39, 147841), (42, 147898), (44, 147904), (45, 147931), (49, 148006), (51, 148018), (59, 148093), (60, 148096), (69, 148204), (74, 148288), (77, 148315), (82, 148402), (127, 148576), (133, 148600), (136, 148657), (141, 148744), (150, 148852), (154, 148912), (166, 149023), (168, 149035), (170, 149044), (172, 149086), (177, 149143), (190, 149275), (193, 149290), (203, 149413), (205, 149440), (206, 149443), (207, 149446), (208, 149449), (215, 149506), (218, 149554), (228, 149614), (231, 149623), (242, 149734),

Gene: Daffodil_259 Start: 145852, Stop: 148068, Start Num: 12

Candidate Starts for Daffodil_259:

(2, 145570), (Start: 12 @145852 has 166 MA's), (19, 145918), (21, 145960), (23, 145984), (25, 146002), (30, 146041), (38, 146113), (39, 146128), (42, 146185), (44, 146191), (45, 146218), (49, 146293), (51, 146305), (59, 146380), (60, 146383), (69, 146491), (74, 146575), (77, 146602), (82, 146689), (127, 146863), (133, 146887), (136, 146944), (141, 147031), (150, 147139), (154, 147199), (166, 147310), (168, 147322), (170, 147331), (172, 147373), (177, 147430), (190, 147562), (193, 147577), (203, 147700), (205, 147727), (206, 147730), (207, 147733), (208, 147736), (215, 147793), (218, 147841), (228, 147901), (231, 147910), (242, 148021),

Gene: Dandelion_259 Start: 148386, Stop: 150602, Start Num: 12

Candidate Starts for Dandelion_259:

(2, 148104), (Start: 12 @148386 has 166 MA's), (19, 148452), (21, 148494), (23, 148518), (25, 148536), (30, 148575), (38, 148647), (39, 148662), (42, 148719), (44, 148725), (45, 148752), (49, 148827), (51, 148839), (59, 148914), (60, 148917), (69, 149025), (74, 149109), (77, 149136), (82, 149223), (127, 149397), (133, 149421), (136, 149478), (141, 149565), (150, 149673), (154, 149733), (166, 149844), (168, 149856), (170, 149865), (172, 149907), (177, 149964), (190, 150096), (193, 150111), (203, 150234), (205, 150261), (206, 150264), (207, 150267), (208, 150270), (215, 150327), (218, 150375), (228, 150435), (231, 150444), (242, 150555),

Gene: Darko_253 Start: 145510, Stop: 148533, Start Num: 12

Candidate Starts for Darko_253:

(2, 145228), (Start: 12 @145510 has 166 MA's), (19, 145576), (21, 145618), (23, 145642), (25, 145660), (30, 145699), (38, 145771), (39, 145786), (42, 145843), (44, 145849), (45, 145876), (49, 145951), (51, 145963), (59, 146038), (60, 146041), (69, 146149), (77, 146260), (82, 146347), (84, 146377), (85, 146395), (88, 146419), (90, 146434), (99, 146725), (100, 146785), (102, 146833), (103, 146842), (104, 146866), (106, 147016), (107, 147061), (108, 147091), (110, 147154), (113, 147169), (127, 147328), (133, 147352), (136, 147409), (141, 147496), (150, 147604), (154, 147664), (166, 147775), (168, 147787), (170, 147796), (172, 147838), (177, 147895), (190, 148027), (193, 148042), (203, 148165), (205, 148192), (206, 148195), (207, 148198), (208, 148201), (215, 148258), (218, 148306), (228, 148366), (231, 148375), (242, 148486),

Gene: Delilah_251 Start: 145945, Stop: 148161, Start Num: 12

Candidate Starts for Delilah_251:

(2, 145663), (Start: 12 @145945 has 166 MA's), (19, 146011), (21, 146053), (23, 146077), (25, 146095), (30, 146134), (38, 146206), (39, 146221), (42, 146278), (44, 146284), (45, 146311), (49, 146386), (51, 146398), (59, 146473), (60, 146476), (69, 146584), (74, 146668), (77, 146695), (82, 146782), (127, 146956), (133, 146980), (136, 147037), (141, 147124), (150, 147232), (154, 147292), (166, 147403), (168, 147415), (170, 147424), (172, 147466), (177, 147523), (190, 147655), (193, 147670), (203, 147793), (205, 147820), (206, 147823), (207, 147826), (208, 147829), (215, 147886), (218, 147934), (228, 147994), (231, 148003), (242, 148114),

Gene: Delylah_255 Start: 146222, Stop: 148438, Start Num: 12

Candidate Starts for Delylah_255:

(2, 145940), (Start: 12 @146222 has 166 MA's), (19, 146288), (21, 146330), (23, 146354), (25, 146372), (30, 146411), (38, 146483), (39, 146498), (42, 146555), (44, 146561), (45, 146588), (49, 146663), (51, 146675), (59, 146750), (60, 146753), (69, 146861), (74, 146945), (77, 146972), (82, 147059), (127, 147233), (133, 147257), (136, 147314), (141, 147401), (150, 147509), (154, 147569), (166, 147680), (168, 147692), (170, 147701), (172, 147743), (177, 147800), (190, 147932), (193, 147947), (203, 148070), (205, 148097), (206, 148100), (207, 148103), (208, 148106), (215, 148163), (218, 148211), (228, 148271), (231, 148280), (242, 148391),

Gene: Derek_249 Start: 146203, Stop: 149226, Start Num: 12

Candidate Starts for Derek_249:

(2, 145921), (Start: 12 @146203 has 166 MA's), (19, 146269), (21, 146311), (23, 146335), (25, 146353), (30, 146392), (38, 146464), (39, 146479), (42, 146536), (44, 146542), (45, 146569), (49, 146644), (51, 146656), (59, 146731), (60, 146734), (69, 146842), (74, 146926), (77, 146953), (82, 147040), (84, 147070), (85, 147088), (88, 147112), (90, 147127), (99, 147418), (100, 147478), (102, 147526), (103, 147535), (105, 147607), (106, 147709), (107, 147754), (108, 147784), (110, 147847), (113, 147862), (127, 148021), (133, 148045), (136, 148102), (141, 148189), (150, 148297), (154, 148357), (166, 148468), (168, 148480), (170, 148489), (172, 148531), (177, 148588), (190, 148720), (193, 148735), (203, 148858), (205, 148885), (206, 148888), (207, 148891), (208, 148894), (215, 148951), (218, 148999), (228, 149059), (231, 149068), (242, 149179),

Gene: Dietrick_242 Start: 144066, Stop: 147089, Start Num: 12

Candidate Starts for Dietrick_242:

(2, 143784), (Start: 12 @144066 has 166 MA's), (19, 144132), (21, 144174), (23, 144198), (25, 144216), (30, 144255), (38, 144327), (39, 144342), (42, 144399), (44, 144405), (45, 144432), (49, 144507), (51, 144519), (59, 144594), (60, 144597), (69, 144705), (77, 144816), (82, 144903), (84, 144933), (85, 144951), (88, 144975), (90, 144990), (99, 145281), (100, 145341), (102, 145389), (103, 145398), (105, 145470), (106, 145572), (107, 145617), (108, 145647), (110, 145710), (113, 145725), (127, 145884), (133, 145908), (136, 145965), (141, 146052), (150, 146160), (154, 146220), (166, 146331), (168, 146343), (172, 146394), (177, 146451), (193, 146598), (203, 146721), (205, 146748), (206, 146751), (207, 146754), (208, 146757), (215, 146814), (218, 146862), (228, 146922), (231, 146931), (242, 147042),

Gene: DirtMonster_242 Start: 144798, Stop: 147821, Start Num: 12

Candidate Starts for DirtMonster_242:

(2, 144516), (Start: 12 @144798 has 166 MA's), (19, 144864), (21, 144906), (23, 144930), (25, 144948), (30, 144987), (38, 145059), (39, 145074), (42, 145131), (44, 145137), (45, 145164), (49, 145239), (51, 145251), (59, 145326), (60, 145329), (69, 145437), (74, 145521), (77, 145548), (82, 145635), (85, 145683), (87, 145698), (88, 145707), (90, 145722), (99, 146013), (100, 146073), (102, 146121), (103, 146130), (104, 146154), (106, 146304), (107, 146349), (108, 146379), (110, 146442), (113, 146457), (127, 146616), (133, 146640), (136, 146697), (141, 146784), (150, 146892), (154, 146952), (166, 147063), (168, 147075), (172, 147126), (177, 147183), (193, 147330), (203, 147453), (205, 147480), (206, 147483), (207, 147486), (208, 147489), (215, 147546), (218, 147594), (228,

147654), (231, 147663), (242, 147774),

Gene: DrPhinkDaddy_250 Start: 146630, Stop: 148846, Start Num: 12

Candidate Starts for DrPhinkDaddy_250:

(2, 146348), (Start: 12 @146630 has 166 MA's), (19, 146696), (21, 146738), (23, 146762), (25, 146780), (30, 146819), (38, 146891), (39, 146906), (42, 146963), (44, 146969), (45, 146996), (49, 147071), (51, 147083), (59, 147158), (60, 147161), (69, 147269), (74, 147353), (77, 147380), (82, 147467), (127, 147641), (133, 147665), (136, 147722), (141, 147809), (150, 147917), (154, 147977), (166, 148088), (168, 148100), (170, 148109), (172, 148151), (177, 148208), (190, 148340), (193, 148355), (203, 148478), (205, 148505), (206, 148508), (207, 148511), (208, 148514), (215, 148571), (218, 148619), (228, 148679), (231, 148688), (242, 148799),

Gene: Drazdys_250 Start: 146210, Stop: 149233, Start Num: 12

Candidate Starts for Drazdys_250:

(2, 145928), (Start: 12 @146210 has 166 MA's), (19, 146276), (21, 146318), (23, 146342), (25, 146360), (30, 146399), (38, 146471), (39, 146486), (42, 146543), (44, 146549), (45, 146576), (49, 146651), (51, 146663), (59, 146738), (60, 146741), (69, 146849), (74, 146933), (77, 146960), (82, 147047), (84, 147077), (85, 147095), (88, 147119), (90, 147134), (99, 147425), (100, 147485), (102, 147533), (103, 147542), (105, 147614), (106, 147716), (107, 147761), (108, 147791), (110, 147854), (113, 147869), (127, 148028), (133, 148052), (136, 148109), (141, 148196), (150, 148304), (154, 148364), (166, 148475), (168, 148487), (170, 148496), (172, 148538), (177, 148595), (190, 148727), (193, 148742), (203, 148865), (205, 148892), (206, 148895), (207, 148898), (208, 148901), (215, 148958), (218, 149006), (228, 149066), (231, 149075), (242, 149186),

Gene: E3_gp5 Start: 1661, Stop: 3724, Start Num: 10

Candidate Starts for E3_gp5:

(6, 1604), (Start: 10 @1661 has 1 MA's), (16, 1709), (30, 1853), (37, 1919), (38, 1925), (40, 1949), (44, 2003), (47, 2066), (57, 2159), (63, 2231), (64, 2246), (67, 2288), (72, 2339), (73, 2345), (74, 2387), (75, 2393), (77, 2414), (82, 2501), (117, 2570), (118, 2576), (119, 2603), (130, 2684), (135, 2699), (138, 2744), (141, 2792), (150, 2897), (155, 3008), (170, 3089), (171, 3122), (175, 3167), (185, 3266), (193, 3338), (202, 3428), (206, 3479), (212, 3533), (214, 3545), (219, 3605), (221, 3614), (222, 3617), (232, 3671),

Gene: ET08_239 Start: 144534, Stop: 147557, Start Num: 12

Candidate Starts for ET08_239:

(Start: 12 @144534 has 166 MA's), (19, 144600), (21, 144642), (23, 144666), (25, 144684), (30, 144723), (38, 144795), (39, 144810), (42, 144867), (44, 144873), (45, 144900), (49, 144975), (51, 144987), (59, 145062), (60, 145065), (69, 145173), (74, 145257), (77, 145284), (82, 145371), (84, 145401), (85, 145419), (88, 145443), (90, 145458), (99, 145749), (100, 145809), (102, 145857), (103, 145866), (104, 145890), (106, 146040), (107, 146085), (108, 146115), (110, 146178), (113, 146193), (127, 146352), (133, 146376), (136, 146433), (141, 146520), (150, 146628), (154, 146688), (166, 146799), (168, 146811), (170, 146820), (172, 146862), (177, 146919), (190, 147051), (193, 147066), (203, 147189), (205, 147216), (206, 147219), (207, 147222), (208, 147225), (215, 147282), (218, 147330), (228, 147390), (231, 147399), (242, 147510),

Gene: EasyJones_254 Start: 144586, Stop: 147609, Start Num: 12

Candidate Starts for EasyJones_254:

(2, 144304), (Start: 12 @144586 has 166 MA's), (19, 144652), (21, 144694), (23, 144718), (25, 144736), (30, 144775), (38, 144847), (39, 144862), (42, 144919), (44, 144925), (45, 144952), (49, 145027), (51, 145039), (59, 145114), (60, 145117), (69, 145225), (74, 145309), (77, 145336), (82, 145423), (84, 145453), (85, 145471), (88, 145495), (90, 145510), (99, 145801), (100, 145861), (102, 145909), (103, 145918), (105, 145990), (106, 146092), (107, 146137), (108, 146167), (110, 146230), (113, 146245), (127, 146404), (133, 146428), (136, 146485), (141, 146572), (150, 146680), (154,

146740), (166, 146851), (168, 146863), (172, 146914), (177, 146971), (193, 147118), (203, 147241), (205, 147268), (206, 147271), (207, 147274), (208, 147277), (215, 147334), (218, 147382), (228, 147442), (231, 147451), (242, 147562),

Gene: EggyFarm_261 Start: 147425, Stop: 149641, Start Num: 12

Candidate Starts for EggyFarm_261:

(2, 147143), (Start: 12 @147425 has 166 MA's), (19, 147491), (21, 147533), (23, 147557), (25, 147575), (30, 147614), (38, 147686), (39, 147701), (42, 147758), (44, 147764), (45, 147791), (49, 147866), (51, 147878), (59, 147953), (60, 147956), (69, 148064), (74, 148148), (77, 148175), (82, 148262), (127, 148436), (133, 148460), (136, 148517), (141, 148604), (150, 148712), (154, 148772), (166, 148883), (168, 148895), (170, 148904), (172, 148946), (177, 149003), (191, 149141), (193, 149150), (203, 149273), (205, 149300), (206, 149303), (207, 149306), (208, 149309), (215, 149366), (218, 149414), (228, 149474), (231, 149483), (242, 149594),

Gene: EmToTheThree_254 Start: 146418, Stop: 148634, Start Num: 12

Candidate Starts for EmToTheThree_254:

(2, 146136), (Start: 12 @146418 has 166 MA's), (19, 146484), (21, 146526), (23, 146550), (25, 146568), (30, 146607), (38, 146679), (39, 146694), (42, 146751), (44, 146757), (45, 146784), (49, 146859), (51, 146871), (59, 146946), (60, 146949), (69, 147057), (74, 147141), (77, 147168), (82, 147255), (127, 147429), (133, 147453), (136, 147510), (141, 147597), (150, 147705), (154, 147765), (166, 147876), (168, 147888), (170, 147897), (172, 147939), (177, 147996), (190, 148128), (193, 148143), (203, 148266), (205, 148293), (206, 148296), (207, 148299), (208, 148302), (215, 148359), (218, 148407), (228, 148467), (231, 148476), (242, 148587),

Gene: EmmaElysia_258 Start: 147081, Stop: 150104, Start Num: 12

Candidate Starts for EmmaElysia_258:

(2, 146799), (Start: 12 @147081 has 166 MA's), (19, 147147), (21, 147189), (23, 147213), (25, 147231), (30, 147270), (38, 147342), (39, 147357), (42, 147414), (44, 147420), (45, 147447), (49, 147522), (51, 147534), (59, 147609), (60, 147612), (69, 147720), (77, 147831), (82, 147918), (84, 147948), (85, 147966), (88, 147990), (90, 148005), (99, 148296), (100, 148356), (102, 148404), (103, 148413), (105, 148485), (106, 148587), (107, 148632), (108, 148662), (110, 148725), (113, 148740), (127, 148899), (133, 148923), (136, 148980), (141, 149067), (150, 149175), (154, 149235), (166, 149346), (168, 149358), (172, 149409), (177, 149466), (193, 149613), (203, 149736), (205, 149763), (206, 149766), (207, 149769), (208, 149772), (215, 149829), (218, 149877), (228, 149937), (231, 149946), (242, 150057),

Gene: Erdmann_255 Start: 146386, Stop: 148602, Start Num: 12

Candidate Starts for Erdmann_255:

(2, 146104), (Start: 12 @146386 has 166 MA's), (19, 146452), (21, 146494), (23, 146518), (25, 146536), (30, 146575), (38, 146647), (39, 146662), (42, 146719), (44, 146725), (45, 146752), (49, 146827), (51, 146839), (59, 146914), (60, 146917), (69, 147025), (74, 147109), (77, 147136), (82, 147223), (127, 147397), (133, 147421), (136, 147478), (141, 147565), (150, 147673), (154, 147733), (166, 147844), (168, 147856), (170, 147865), (172, 147907), (177, 147964), (190, 148096), (193, 148111), (203, 148234), (205, 148261), (206, 148264), (207, 148267), (208, 148270), (215, 148327), (218, 148375), (228, 148435), (231, 148444), (242, 148555),

Gene: ErnieJ_247 Start: 143214, Stop: 146237, Start Num: 12

Candidate Starts for ErnieJ_247:

(Start: 12 @143214 has 166 MA's), (19, 143280), (21, 143322), (23, 143346), (25, 143364), (30, 143403), (38, 143475), (39, 143490), (42, 143547), (44, 143553), (45, 143580), (49, 143655), (51, 143667), (59, 143742), (60, 143745), (69, 143853), (74, 143937), (77, 143964), (82, 144051), (84, 144081), (85, 144099), (88, 144123), (90, 144138), (99, 144429), (100, 144489), (102, 144537), (103, 144546), (105, 144618), (106, 144720), (107, 144765), (108, 144795), (110, 144858), (113, 144873),

(127, 145032), (133, 145056), (136, 145113), (141, 145200), (150, 145308), (154, 145368), (166, 145479), (168, 145491), (172, 145542), (177, 145599), (193, 145746), (203, 145869), (205, 145896), (206, 145899), (207, 145902), (208, 145905), (215, 145962), (218, 146010), (228, 146070), (231, 146079), (242, 146190),

Gene: Essence_251 Start: 145422, Stop: 148445, Start Num: 12

Candidate Starts for Essence_251:

(2, 145140), (Start: 12 @145422 has 166 MA's), (19, 145488), (21, 145530), (23, 145554), (25, 145572), (30, 145611), (38, 145683), (39, 145698), (42, 145755), (44, 145761), (45, 145788), (49, 145863), (51, 145875), (59, 145950), (60, 145953), (69, 146061), (74, 146145), (77, 146172), (82, 146259), (84, 146289), (85, 146307), (88, 146331), (90, 146346), (99, 146637), (100, 146697), (102, 146745), (103, 146754), (105, 146826), (106, 146928), (107, 146973), (108, 147003), (110, 147066), (113, 147081), (127, 147240), (133, 147264), (136, 147321), (141, 147408), (150, 147516), (154, 147576), (166, 147687), (168, 147699), (172, 147750), (177, 147807), (193, 147954), (203, 148077), (205, 148104), (206, 148107), (207, 148110), (208, 148113), (215, 148170), (218, 148218), (228, 148278), (231, 148287), (242, 148398),

Gene: Ewok_252 Start: 145880, Stop: 148096, Start Num: 12

Candidate Starts for Ewok_252:

(2, 145598), (Start: 12 @145880 has 166 MA's), (19, 145946), (21, 145988), (23, 146012), (25, 146030), (30, 146069), (38, 146141), (39, 146156), (42, 146213), (44, 146219), (45, 146246), (49, 146321), (51, 146333), (59, 146408), (60, 146411), (69, 146519), (74, 146603), (77, 146630), (82, 146717), (127, 146891), (133, 146915), (136, 146972), (141, 147059), (150, 147167), (154, 147227), (166, 147338), (168, 147350), (170, 147359), (172, 147401), (177, 147458), (190, 147590), (193, 147605), (203, 147728), (205, 147755), (206, 147758), (207, 147761), (208, 147764), (215, 147821), (218, 147869), (228, 147929), (231, 147938), (242, 148049),

Gene: Finch_1 Start: 1, Stop: 2109, Start Num: 10

Candidate Starts for Finch_1:

(Start: 10 @1 has 1 MA's), (31, 214), (32, 220), (45, 376), (47, 412), (48, 448), (54, 478), (55, 481), (69, 649), (72, 685), (73, 691), (77, 760), (80, 799), (82, 847), (116, 898), (118, 922), (130, 1042), (131, 1048), (141, 1150), (142, 1153), (145, 1189), (150, 1255), (151, 1267), (164, 1423), (166, 1435), (167, 1441), (178, 1585), (179, 1588), (188, 1651), (189, 1669), (197, 1762), (200, 1780), (203, 1816), (204, 1831), (207, 1849), (209, 1855), (212, 1900), (217, 1939), (229, 2014), (235, 2071),

Gene: Flabslab_248 Start: 142479, Stop: 145502, Start Num: 12

Candidate Starts for Flabslab_248:

(2, 142197), (Start: 12 @142479 has 166 MA's), (19, 142545), (21, 142587), (23, 142611), (25, 142629), (30, 142668), (38, 142740), (39, 142755), (42, 142812), (44, 142818), (45, 142845), (49, 142920), (51, 142932), (59, 143007), (60, 143010), (69, 143118), (74, 143202), (77, 143229), (82, 143316), (84, 143346), (85, 143364), (88, 143388), (90, 143403), (99, 143694), (100, 143754), (102, 143802), (103, 143811), (105, 143883), (106, 143985), (107, 144030), (108, 144060), (110, 144123), (113, 144138), (127, 144297), (133, 144321), (136, 144378), (141, 144465), (150, 144573), (154, 144633), (166, 144744), (168, 144756), (170, 144765), (172, 144807), (177, 144864), (190, 144996), (193, 145011), (203, 145134), (205, 145161), (206, 145164), (207, 145167), (208, 145170), (215, 145227), (218, 145275), (228, 145335), (231, 145344), (242, 145455),

Gene: Fludd_253 Start: 144298, Stop: 147321, Start Num: 12

Candidate Starts for Fludd_253:

(2, 144016), (Start: 12 @144298 has 166 MA's), (19, 144364), (21, 144406), (23, 144430), (25, 144448), (30, 144487), (38, 144559), (39, 144574), (42, 144631), (44, 144637), (45, 144664), (49, 144739), (51, 144751), (59, 144826), (60, 144829), (69, 144937), (77, 145048), (82, 145135), (84, 145165), (85, 145183), (88, 145207), (90, 145222), (99, 145513), (100, 145573), (102, 145621), (103,

145630), (105, 145702), (106, 145804), (107, 145849), (108, 145879), (110, 145942), (113, 145957), (127, 146116), (133, 146140), (136, 146197), (141, 146284), (150, 146392), (166, 146563), (168, 146575), (172, 146626), (177, 146683), (193, 146830), (203, 146953), (205, 146980), (206, 146983), (207, 146986), (208, 146989), (215, 147046), (218, 147094), (228, 147154), (231, 147163), (242, 147274),

Gene: FoxtrotP1_252 Start: 146972, Stop: 149188, Start Num: 12

Candidate Starts for FoxtrotP1_252:

(2, 146690), (Start: 12 @146972 has 166 MA's), (19, 147038), (21, 147080), (23, 147104), (25, 147122), (30, 147161), (38, 147233), (39, 147248), (42, 147305), (44, 147311), (45, 147338), (49, 147413), (51, 147425), (59, 147500), (60, 147503), (69, 147611), (74, 147695), (77, 147722), (82, 147809), (127, 147983), (133, 148007), (136, 148064), (141, 148151), (150, 148259), (154, 148319), (166, 148430), (168, 148442), (170, 148451), (172, 148493), (177, 148550), (190, 148682), (193, 148697), (203, 148820), (205, 148847), (206, 148850), (207, 148853), (208, 148856), (215, 148913), (218, 148961), (228, 149021), (231, 149030), (242, 149141),

Gene: FrayBell_256 Start: 144429, Stop: 147452, Start Num: 12

Candidate Starts for FrayBell_256:

(2, 144147), (Start: 12 @144429 has 166 MA's), (19, 144495), (21, 144537), (23, 144561), (25, 144579), (30, 144618), (38, 144690), (39, 144705), (42, 144762), (44, 144768), (45, 144795), (49, 144870), (51, 144882), (59, 144957), (60, 144960), (69, 145068), (74, 145152), (77, 145179), (82, 145266), (84, 145296), (85, 145314), (88, 145338), (90, 145353), (99, 145644), (100, 145704), (102, 145752), (103, 145761), (104, 145785), (106, 145935), (107, 145980), (108, 146010), (110, 146073), (113, 146088), (127, 146247), (133, 146271), (136, 146328), (141, 146415), (150, 146523), (154, 146583), (166, 146694), (168, 146706), (170, 146715), (172, 146757), (177, 146814), (190, 146946), (193, 146961), (203, 147084), (205, 147111), (206, 147114), (207, 147117), (208, 147120), (215, 147177), (218, 147225), (228, 147285), (231, 147294), (242, 147405),

Gene: FudgeTart_249 Start: 145476, Stop: 147692, Start Num: 12

Candidate Starts for FudgeTart_249:

(2, 145194), (Start: 12 @145476 has 166 MA's), (19, 145542), (21, 145584), (23, 145608), (25, 145626), (30, 145665), (38, 145737), (39, 145752), (42, 145809), (44, 145815), (45, 145842), (49, 145917), (51, 145929), (59, 146004), (60, 146007), (69, 146115), (74, 146199), (77, 146226), (82, 146313), (127, 146487), (133, 146511), (136, 146568), (141, 146655), (150, 146763), (154, 146823), (166, 146934), (168, 146946), (170, 146955), (172, 146997), (177, 147054), (190, 147186), (193, 147201), (203, 147324), (205, 147351), (206, 147354), (207, 147357), (208, 147360), (215, 147417), (218, 147465), (228, 147525), (231, 147534), (242, 147645),

Gene: Gabriel_256 Start: 144457, Stop: 147480, Start Num: 12

Candidate Starts for Gabriel_256:

(2, 144175), (Start: 12 @144457 has 166 MA's), (19, 144523), (21, 144565), (23, 144589), (25, 144607), (30, 144646), (38, 144718), (39, 144733), (42, 144790), (44, 144796), (45, 144823), (49, 144898), (51, 144910), (59, 144985), (60, 144988), (69, 145096), (74, 145180), (77, 145207), (82, 145294), (84, 145324), (85, 145342), (88, 145366), (90, 145381), (99, 145672), (100, 145732), (102, 145780), (103, 145789), (105, 145861), (106, 145963), (107, 146008), (108, 146038), (110, 146101), (113, 146116), (127, 146275), (133, 146299), (136, 146356), (141, 146443), (150, 146551), (154, 146611), (166, 146722), (168, 146734), (170, 146743), (172, 146785), (177, 146842), (190, 146974), (193, 146989), (203, 147112), (205, 147139), (206, 147142), (207, 147145), (208, 147148), (215, 147205), (218, 147253), (228, 147313), (231, 147322), (242, 147433),

Gene: Gamgam_255 Start: 144814, Stop: 147837, Start Num: 12

Candidate Starts for Gamgam_255:

(2, 144532), (Start: 12 @144814 has 166 MA's), (19, 144880), (21, 144922), (23, 144946), (25, 144964), (30, 145003), (38, 145075), (39, 145090), (42, 145147), (44, 145153), (45, 145180), (49, 145255), (51, 145267), (59, 145342), (60, 145345), (69, 145453), (77, 145564), (82, 145651), (84, 145681), (85, 145699), (88, 145723), (90, 145738), (99, 146029), (100, 146089), (102, 146137), (103, 146146), (105, 146218), (106, 146320), (107, 146365), (108, 146395), (110, 146458), (113, 146473), (127, 146632), (133, 146656), (136, 146713), (141, 146800), (150, 146908), (166, 147079), (168, 147091), (172, 147142), (177, 147199), (193, 147346), (203, 147469), (205, 147496), (206, 147499), (207, 147502), (208, 147505), (215, 147562), (218, 147610), (228, 147670), (231, 147679), (242, 147790),

Gene: Ghost_253 Start: 145438, Stop: 148461, Start Num: 12

Candidate Starts for Ghost_253:

(2, 145156), (Start: 12 @145438 has 166 MA's), (19, 145504), (21, 145546), (23, 145570), (25, 145588), (30, 145627), (38, 145699), (39, 145714), (42, 145771), (44, 145777), (45, 145804), (49, 145879), (51, 145891), (59, 145966), (60, 145969), (69, 146077), (77, 146188), (82, 146275), (84, 146305), (85, 146323), (88, 146347), (90, 146362), (99, 146653), (100, 146713), (102, 146761), (103, 146770), (105, 146842), (106, 146944), (107, 146989), (108, 147019), (110, 147082), (113, 147097), (127, 147256), (133, 147280), (136, 147337), (141, 147424), (150, 147532), (166, 147703), (168, 147715), (172, 147766), (177, 147823), (193, 147970), (203, 148093), (205, 148120), (206, 148123), (207, 148126), (208, 148129), (215, 148186), (218, 148234), (228, 148294), (231, 148303), (242, 148414),

Gene: Gizmo_259 Start: 148303, Stop: 150519, Start Num: 12

Candidate Starts for Gizmo_259:

(2, 148021), (Start: 12 @148303 has 166 MA's), (19, 148369), (21, 148411), (23, 148435), (25, 148453), (30, 148492), (38, 148564), (39, 148579), (42, 148636), (44, 148642), (45, 148669), (49, 148744), (51, 148756), (59, 148831), (60, 148834), (69, 148942), (74, 149026), (77, 149053), (82, 149140), (127, 149314), (133, 149338), (136, 149395), (141, 149482), (150, 149590), (154, 149650), (166, 149761), (168, 149773), (170, 149782), (172, 149824), (177, 149881), (190, 150013), (193, 150028), (203, 150151), (205, 150178), (206, 150181), (207, 150184), (208, 150187), (215, 150244), (218, 150292), (228, 150352), (231, 150361), (242, 150472),

Gene: Grasshills_260 Start: 147424, Stop: 149640, Start Num: 12

Candidate Starts for Grasshills_260:

(2, 147142), (Start: 12 @147424 has 166 MA's), (19, 147490), (21, 147532), (23, 147556), (25, 147574), (30, 147613), (38, 147685), (39, 147700), (42, 147757), (44, 147763), (45, 147790), (49, 147865), (51, 147877), (59, 147952), (60, 147955), (69, 148063), (74, 148147), (77, 148174), (82, 148261), (127, 148435), (133, 148459), (136, 148516), (141, 148603), (150, 148711), (154, 148771), (166, 148882), (168, 148894), (170, 148903), (172, 148945), (177, 149002), (191, 149140), (193, 149149), (203, 149272), (205, 149299), (206, 149302), (207, 149305), (208, 149308), (215, 149365), (218, 149413), (228, 149473), (231, 149482), (242, 149593),

Gene: Greely_254 Start: 148790, Stop: 151084, Start Num: 7

Candidate Starts for Greely_254:

(Start: 7 @148790 has 3 MA's), (19, 148862), (22, 148925), (26, 148952), (37, 149051), (38, 149057), (40, 149081), (44, 149135), (49, 149237), (51, 149249), (52, 149258), (59, 149324), (62, 149357), (67, 149420), (70, 149441), (79, 149552), (80, 149585), (117, 149702), (118, 149708), (120, 149768), (124, 149780), (125, 149789), (130, 149828), (136, 149894), (139, 149939), (141, 149981), (143, 149990), (148, 150074), (150, 150086), (153, 150119), (156, 150212), (160, 150269), (161, 150281), (163, 150305), (165, 150320), (170, 150350), (172, 150392), (174, 150398), (182, 150512), (194, 150632), (205, 150734), (206, 150737), (207, 150740), (210, 150749), (220, 150857), (223, 150872), (230, 150908), (234, 150965), (238, 150989), (240, 151004),

Gene: Grungle_235 Start: 142703, Stop: 145726, Start Num: 12

Candidate Starts for Grungle_235:

(2, 142421), (Start: 12 @142703 has 166 MA's), (19, 142769), (21, 142811), (23, 142835), (25, 142853), (30, 142892), (38, 142964), (39, 142979), (42, 143036), (44, 143042), (45, 143069), (49, 143144), (51, 143156), (59, 143231), (60, 143234), (69, 143342), (74, 143426), (77, 143453), (82, 143540), (84, 143570), (85, 143588), (88, 143612), (90, 143627), (99, 143918), (100, 143978), (102, 144026), (103, 144035), (104, 144059), (106, 144209), (107, 144254), (108, 144284), (110, 144347), (113, 144362), (127, 144521), (133, 144545), (136, 144602), (141, 144689), (150, 144797), (154, 144857), (166, 144968), (168, 144980), (170, 144989), (172, 145031), (177, 145088), (190, 145220), (193, 145235), (203, 145358), (205, 145385), (206, 145388), (207, 145391), (208, 145394), (215, 145451), (218, 145499), (228, 145559), (231, 145568), (242, 145679),

Gene: Guwapp_249 Start: 144272, Stop: 146488, Start Num: 12

Candidate Starts for Guwapp_249:

(2, 143990), (Start: 12 @144272 has 166 MA's), (19, 144338), (21, 144380), (23, 144404), (25, 144422), (30, 144461), (38, 144533), (39, 144548), (42, 144605), (44, 144611), (45, 144638), (49, 144713), (51, 144725), (59, 144800), (60, 144803), (69, 144911), (74, 144995), (77, 145022), (82, 145109), (127, 145283), (133, 145307), (136, 145364), (141, 145451), (150, 145559), (154, 145619), (166, 145730), (168, 145742), (170, 145751), (172, 145793), (177, 145850), (190, 145982), (193, 145997), (203, 146120), (205, 146147), (206, 146150), (207, 146153), (208, 146156), (215, 146213), (218, 146261), (228, 146321), (231, 146330), (242, 146441),

Gene: Halldule_245 Start: 143885, Stop: 146908, Start Num: 12

Candidate Starts for Halldule_245:

(2, 143603), (Start: 12 @143885 has 166 MA's), (19, 143951), (21, 143993), (23, 144017), (25, 144035), (30, 144074), (38, 144146), (39, 144161), (42, 144218), (44, 144224), (45, 144251), (49, 144326), (51, 144338), (59, 144413), (60, 144416), (69, 144524), (74, 144608), (77, 144635), (82, 144722), (84, 144752), (85, 144770), (88, 144794), (90, 144809), (99, 145100), (100, 145160), (102, 145208), (103, 145217), (104, 145241), (106, 145391), (107, 145436), (108, 145466), (110, 145529), (113, 145544), (127, 145703), (133, 145727), (136, 145784), (141, 145871), (150, 145979), (154, 146039), (166, 146150), (168, 146162), (170, 146171), (172, 146213), (177, 146270), (190, 146402), (193, 146417), (203, 146540), (205, 146567), (206, 146570), (207, 146573), (208, 146576), (215, 146633), (218, 146681), (228, 146741), (231, 146750), (242, 146861),

Gene: HyRo_238 Start: 144789, Stop: 147005, Start Num: 12

Candidate Starts for HyRo_238:

(Start: 12 @144789 has 166 MA's), (19, 144855), (21, 144897), (23, 144921), (25, 144939), (30, 144978), (38, 145050), (39, 145065), (42, 145122), (44, 145128), (45, 145155), (49, 145230), (51, 145242), (59, 145317), (60, 145320), (69, 145428), (74, 145512), (77, 145539), (82, 145626), (127, 145800), (133, 145824), (136, 145881), (141, 145968), (150, 146076), (154, 146136), (166, 146247), (168, 146259), (172, 146310), (177, 146367), (193, 146514), (203, 146637), (205, 146664), (206, 146667), (207, 146670), (208, 146673), (215, 146730), (218, 146778), (228, 146838), (231, 146847), (242, 146958),

Gene: I3_263 Start: 146580, Stop: 148796, Start Num: 12

Candidate Starts for I3_263:

(2, 146298), (Start: 12 @146580 has 166 MA's), (19, 146646), (21, 146688), (23, 146712), (25, 146730), (30, 146769), (38, 146841), (39, 146856), (42, 146913), (44, 146919), (45, 146946), (49, 147021), (51, 147033), (59, 147108), (60, 147111), (69, 147219), (74, 147303), (77, 147330), (82, 147417), (127, 147591), (133, 147615), (136, 147672), (141, 147759), (150, 147867), (154, 147927), (166, 148038), (168, 148050), (170, 148059), (172, 148101), (177, 148158), (191, 148296), (193, 148305), (203, 148428), (205, 148455), (206, 148458), (207, 148461), (208, 148464), (215, 148521), (218, 148569), (228, 148629), (231, 148638), (242, 148749),

Gene: IkeLoa_247 Start: 145170, Stop: 148193, Start Num: 12

Candidate Starts for IkeLoa_247:

(2, 144888), (Start: 12 @145170 has 166 MA's), (19, 145236), (21, 145278), (23, 145302), (25, 145320), (30, 145359), (38, 145431), (39, 145446), (42, 145503), (44, 145509), (45, 145536), (49, 145611), (51, 145623), (59, 145698), (60, 145701), (69, 145809), (74, 145893), (77, 145920), (82, 146007), (84, 146037), (85, 146055), (88, 146079), (90, 146094), (99, 146385), (100, 146445), (102, 146493), (103, 146502), (104, 146526), (106, 146676), (107, 146721), (108, 146751), (110, 146814), (113, 146829), (127, 146988), (133, 147012), (136, 147069), (141, 147156), (150, 147264), (154, 147324), (166, 147435), (168, 147447), (170, 147456), (172, 147498), (177, 147555), (190, 147687), (193, 147702), (203, 147825), (205, 147852), (206, 147855), (207, 147858), (208, 147861), (215, 147918), (218, 147966), (228, 148026), (231, 148035), (242, 148146),

Gene: InigoMontoya_257 Start: 145488, Stop: 148511, Start Num: 12

Candidate Starts for InigoMontoya_257:

(2, 145206), (Start: 12 @145488 has 166 MA's), (19, 145554), (21, 145596), (23, 145620), (25, 145638), (30, 145677), (38, 145749), (39, 145764), (42, 145821), (44, 145827), (45, 145854), (49, 145929), (51, 145941), (59, 146016), (60, 146019), (69, 146127), (77, 146238), (82, 146325), (84, 146355), (85, 146373), (88, 146397), (90, 146412), (99, 146703), (100, 146763), (102, 146811), (103, 146820), (105, 146892), (106, 146994), (107, 147039), (108, 147069), (110, 147132), (113, 147147), (127, 147306), (133, 147330), (136, 147387), (141, 147474), (150, 147582), (166, 147753), (168, 147765), (172, 147816), (177, 147873), (193, 148020), (203, 148143), (205, 148170), (206, 148173), (207, 148176), (208, 148179), (215, 148236), (218, 148284), (228, 148344), (231, 148353), (242, 148464),

Gene: InterFolia_255 Start: 146234, Stop: 149257, Start Num: 12

Candidate Starts for InterFolia_255:

(2, 145952), (Start: 12 @146234 has 166 MA's), (19, 146300), (21, 146342), (23, 146366), (25, 146384), (30, 146423), (38, 146495), (39, 146510), (42, 146567), (44, 146573), (45, 146600), (49, 146675), (51, 146687), (59, 146762), (60, 146765), (69, 146873), (74, 146957), (77, 146984), (82, 147071), (84, 147101), (85, 147119), (88, 147143), (90, 147158), (99, 147449), (100, 147509), (102, 147557), (103, 147566), (104, 147590), (106, 147740), (107, 147785), (108, 147815), (110, 147878), (113, 147893), (127, 148052), (133, 148076), (136, 148133), (141, 148220), (150, 148328), (154, 148388), (166, 148499), (168, 148511), (170, 148520), (172, 148562), (177, 148619), (190, 148751), (193, 148766), (203, 148889), (205, 148916), (206, 148919), (207, 148922), (208, 148925), (215, 148982), (218, 149030), (228, 149090), (231, 149099), (242, 149210),

Gene: Iota_250 Start: 145200, Stop: 148223, Start Num: 12

Candidate Starts for Iota_250:

(2, 144918), (Start: 12 @145200 has 166 MA's), (19, 145266), (21, 145308), (23, 145332), (25, 145350), (30, 145389), (38, 145461), (39, 145476), (42, 145533), (44, 145539), (45, 145566), (49, 145641), (51, 145653), (59, 145728), (60, 145731), (69, 145839), (74, 145923), (77, 145950), (82, 146037), (84, 146067), (85, 146085), (88, 146109), (90, 146124), (99, 146415), (100, 146475), (102, 146523), (103, 146532), (104, 146556), (106, 146706), (107, 146751), (108, 146781), (110, 146844), (113, 146859), (127, 147018), (133, 147042), (136, 147099), (141, 147186), (150, 147294), (154, 147354), (166, 147465), (168, 147477), (170, 147486), (172, 147528), (177, 147585), (190, 147717), (193, 147732), (203, 147855), (205, 147882), (206, 147885), (207, 147888), (208, 147891), (215, 147948), (218, 147996), (228, 148056), (231, 148065), (242, 148176),

Gene: Issimir_250 Start: 145575, Stop: 148598, Start Num: 12

Candidate Starts for Issimir_250:

(2, 145293), (Start: 12 @145575 has 166 MA's), (19, 145641), (21, 145683), (23, 145707), (25, 145725), (30, 145764), (38, 145836), (39, 145851), (42, 145908), (44, 145914), (45, 145941), (49,

146016), (51, 146028), (59, 146103), (60, 146106), (69, 146214), (74, 146298), (77, 146325), (82, 146412), (84, 146442), (85, 146460), (88, 146484), (90, 146499), (99, 146790), (100, 146850), (102, 146898), (103, 146907), (104, 146931), (106, 147081), (107, 147126), (108, 147156), (110, 147219), (113, 147234), (127, 147393), (133, 147417), (136, 147474), (141, 147561), (150, 147669), (154, 147729), (166, 147840), (168, 147852), (170, 147861), (172, 147903), (177, 147960), (190, 148092), (193, 148107), (203, 148230), (205, 148257), (206, 148260), (207, 148263), (208, 148266), (215, 148323), (218, 148371), (228, 148431), (231, 148440), (242, 148551),

Gene: Izajani_249 Start: 146020, Stop: 149043, Start Num: 12

Candidate Starts for Izajani_249:

(2, 145738), (Start: 12 @146020 has 166 MA's), (19, 146086), (21, 146128), (23, 146152), (25, 146170), (30, 146209), (38, 146281), (39, 146296), (42, 146353), (44, 146359), (45, 146386), (49, 146461), (51, 146473), (59, 146548), (60, 146551), (69, 146659), (74, 146743), (77, 146770), (82, 146857), (84, 146887), (85, 146905), (88, 146929), (90, 146944), (99, 147235), (100, 147295), (102, 147343), (103, 147352), (104, 147376), (106, 147526), (107, 147571), (108, 147601), (110, 147664), (113, 147679), (127, 147838), (133, 147862), (136, 147919), (141, 148006), (150, 148114), (154, 148174), (166, 148285), (168, 148297), (170, 148306), (172, 148348), (177, 148405), (190, 148537), (193, 148552), (203, 148675), (205, 148702), (206, 148705), (207, 148708), (208, 148711), (215, 148768), (218, 148816), (228, 148876), (231, 148885), (242, 148996),

Gene: JPickles_251 Start: 144625, Stop: 147648, Start Num: 12

Candidate Starts for JPickles_251:

(2, 144343), (Start: 12 @144625 has 166 MA's), (19, 144691), (21, 144733), (23, 144757), (25, 144775), (30, 144814), (38, 144886), (39, 144901), (42, 144958), (44, 144964), (45, 144991), (49, 145066), (51, 145078), (59, 145153), (60, 145156), (69, 145264), (74, 145348), (77, 145375), (82, 145462), (84, 145492), (85, 145510), (88, 145534), (90, 145549), (99, 145840), (100, 145900), (102, 145948), (103, 145957), (105, 146029), (106, 146131), (107, 146176), (108, 146206), (110, 146269), (113, 146284), (127, 146443), (133, 146467), (136, 146524), (141, 146611), (150, 146719), (154, 146779), (166, 146890), (168, 146902), (172, 146953), (177, 147010), (193, 147157), (203, 147280), (205, 147307), (206, 147310), (207, 147313), (208, 147316), (215, 147373), (218, 147421), (228, 147481), (231, 147490), (242, 147601),

Gene: Janiyra_257 Start: 146162, Stop: 149185, Start Num: 12

Candidate Starts for Janiyra_257:

(2, 145880), (Start: 12 @146162 has 166 MA's), (19, 146228), (21, 146270), (23, 146294), (25, 146312), (30, 146351), (38, 146423), (39, 146438), (42, 146495), (44, 146501), (45, 146528), (49, 146603), (51, 146615), (59, 146690), (60, 146693), (69, 146801), (77, 146912), (82, 146999), (84, 147029), (85, 147047), (88, 147071), (90, 147086), (99, 147377), (100, 147437), (102, 147485), (103, 147494), (105, 147566), (106, 147668), (107, 147713), (108, 147743), (110, 147806), (113, 147821), (127, 147980), (133, 148004), (136, 148061), (141, 148148), (150, 148256), (154, 148316), (166, 148427), (168, 148439), (172, 148490), (177, 148547), (193, 148694), (203, 148817), (205, 148844), (206, 148847), (207, 148850), (208, 148853), (215, 148910), (218, 148958), (228, 149018), (231, 149027), (242, 149138),

Gene: JayJay_249 Start: 144961, Stop: 147177, Start Num: 12

Candidate Starts for JayJay_249:

(Start: 12 @144961 has 166 MA's), (19, 145027), (21, 145069), (23, 145093), (25, 145111), (30, 145150), (38, 145222), (39, 145237), (42, 145294), (44, 145300), (45, 145327), (49, 145402), (51, 145414), (59, 145489), (60, 145492), (69, 145600), (74, 145684), (77, 145711), (82, 145798), (127, 145972), (133, 145996), (136, 146053), (141, 146140), (150, 146248), (154, 146308), (166, 146419), (168, 146431), (172, 146482), (177, 146539), (193, 146686), (203, 146809), (205, 146836), (206, 146839), (207, 146842), (208, 146845), (215, 146902), (218, 146950), (228, 147010), (231, 147019), (242, 147130),

Gene: Jaygup_250 Start: 145347, Stop: 148370, Start Num: 12

Candidate Starts for Jaygup_250:

(2, 145065), (Start: 12 @145347 has 166 MA's), (19, 145413), (21, 145455), (23, 145479), (25, 145497), (30, 145536), (38, 145608), (39, 145623), (42, 145680), (44, 145686), (45, 145713), (49, 145788), (51, 145800), (59, 145875), (60, 145878), (69, 145986), (74, 146070), (77, 146097), (82, 146184), (84, 146214), (85, 146232), (88, 146256), (90, 146271), (99, 146562), (100, 146622), (102, 146670), (103, 146679), (105, 146751), (106, 146853), (107, 146898), (108, 146928), (110, 146991), (113, 147006), (127, 147165), (133, 147189), (136, 147246), (141, 147333), (150, 147441), (154, 147501), (166, 147612), (168, 147624), (170, 147633), (172, 147675), (177, 147732), (190, 147864), (193, 147879), (203, 148002), (205, 148029), (206, 148032), (207, 148035), (208, 148038), (215, 148095), (218, 148143), (228, 148203), (231, 148212), (242, 148323),

Gene: JeanGrey_1 Start: 1, Stop: 2082, Start Num: 11

Candidate Starts for JeanGrey_1:

(11, 1), (28, 172), (30, 193), (37, 259), (42, 337), (44, 343), (52, 466), (53, 469), (55, 475), (56, 487), (64, 586), (67, 628), (69, 643), (72, 679), (73, 685), (75, 733), (77, 754), (130, 1024), (141, 1153), (150, 1258), (169, 1447), (180, 1591), (181, 1594), (191, 1693), (198, 1771), (206, 1846), (225, 2008),

Gene: Jedediah_255 Start: 146400, Stop: 149423, Start Num: 12

Candidate Starts for Jedediah_255:

(2, 146118), (Start: 12 @146400 has 166 MA's), (19, 146466), (21, 146508), (23, 146532), (25, 146550), (30, 146589), (38, 146661), (39, 146676), (42, 146733), (44, 146739), (45, 146766), (49, 146841), (51, 146853), (59, 146928), (60, 146931), (69, 147039), (77, 147150), (82, 147237), (84, 147267), (85, 147285), (88, 147309), (90, 147324), (99, 147615), (100, 147675), (102, 147723), (103, 147732), (105, 147804), (106, 147906), (107, 147951), (108, 147981), (110, 148044), (113, 148059), (127, 148218), (133, 148242), (136, 148299), (141, 148386), (150, 148494), (166, 148665), (168, 148677), (172, 148728), (177, 148785), (193, 148932), (203, 149055), (205, 149082), (206, 149085), (207, 149088), (208, 149091), (215, 149148), (218, 149196), (228, 149256), (231, 149265), (242, 149376),

Gene: Jemmno_253 Start: 145119, Stop: 148142, Start Num: 12

Candidate Starts for Jemmno_253:

(2, 144837), (Start: 12 @145119 has 166 MA's), (19, 145185), (21, 145227), (23, 145251), (25, 145269), (30, 145308), (38, 145380), (39, 145395), (42, 145452), (44, 145458), (45, 145485), (49, 145560), (51, 145572), (59, 145647), (60, 145650), (69, 145758), (77, 145869), (82, 145956), (84, 145986), (85, 146004), (88, 146028), (90, 146043), (99, 146334), (100, 146394), (102, 146442), (103, 146451), (105, 146523), (106, 146625), (107, 146670), (108, 146700), (110, 146763), (113, 146778), (127, 146937), (133, 146961), (136, 147018), (141, 147105), (150, 147213), (166, 147384), (168, 147396), (172, 147447), (177, 147504), (193, 147651), (203, 147774), (205, 147801), (206, 147804), (207, 147807), (208, 147810), (215, 147867), (218, 147915), (228, 147975), (231, 147984), (242, 148095),

Gene: Jessibeth14_253 Start: 146595, Stop: 148811, Start Num: 12

Candidate Starts for Jessibeth14_253:

(2, 146313), (Start: 12 @146595 has 166 MA's), (19, 146661), (21, 146703), (23, 146727), (25, 146745), (30, 146784), (38, 146856), (39, 146871), (42, 146928), (44, 146934), (45, 146961), (49, 147036), (51, 147048), (59, 147123), (60, 147126), (69, 147234), (74, 147318), (77, 147345), (82, 147432), (127, 147606), (133, 147630), (136, 147687), (141, 147774), (150, 147882), (154, 147942), (166, 148053), (168, 148065), (170, 148074), (172, 148116), (177, 148173), (193, 148320), (203, 148443), (205, 148470), (206, 148473), (207, 148476), (208, 148479), (215, 148536), (218, 148584), (228, 148644), (231, 148653), (242, 148764),

Gene: JulietS_245 Start: 142699, Stop: 145722, Start Num: 12

Candidate Starts for JulietS_245:

(Start: 12 @142699 has 166 MA's), (19, 142765), (21, 142807), (23, 142831), (25, 142849), (30, 142888), (38, 142960), (39, 142975), (42, 143032), (44, 143038), (45, 143065), (49, 143140), (51, 143152), (59, 143227), (60, 143230), (69, 143338), (74, 143422), (77, 143449), (82, 143536), (84, 143566), (85, 143584), (88, 143608), (90, 143623), (99, 143914), (100, 143974), (102, 144022), (103, 144031), (104, 144055), (106, 144205), (107, 144250), (108, 144280), (110, 144343), (113, 144358), (127, 144517), (133, 144541), (136, 144598), (141, 144685), (150, 144793), (154, 144853), (166, 144964), (168, 144976), (170, 144985), (172, 145027), (177, 145084), (190, 145216), (193, 145231), (203, 145354), (205, 145381), (206, 145384), (207, 145387), (208, 145390), (215, 145447), (218, 145495), (228, 145555), (231, 145564), (242, 145675),

Gene: JustHall_247 Start: 144649, Stop: 147672, Start Num: 12

Candidate Starts for JustHall_247:

(2, 144367), (Start: 12 @144649 has 166 MA's), (19, 144715), (21, 144757), (23, 144781), (25, 144799), (30, 144838), (38, 144910), (39, 144925), (42, 144982), (44, 144988), (45, 145015), (49, 145090), (51, 145102), (59, 145177), (60, 145180), (69, 145288), (74, 145372), (77, 145399), (82, 145486), (84, 145516), (85, 145534), (88, 145558), (90, 145573), (99, 145864), (100, 145924), (102, 145972), (103, 145981), (105, 146053), (106, 146155), (107, 146200), (108, 146230), (110, 146293), (113, 146308), (127, 146467), (133, 146491), (136, 146548), (141, 146635), (150, 146743), (154, 146803), (166, 146914), (168, 146926), (172, 146977), (177, 147034), (193, 147181), (203, 147304), (205, 147331), (206, 147334), (207, 147337), (208, 147340), (215, 147397), (218, 147445), (228, 147505), (231, 147514), (242, 147625),

Gene: Kamryn_252 Start: 146239, Stop: 149262, Start Num: 12

Candidate Starts for Kamryn_252:

(2, 145957), (Start: 12 @146239 has 166 MA's), (19, 146305), (21, 146347), (23, 146371), (25, 146389), (30, 146428), (38, 146500), (39, 146515), (42, 146572), (44, 146578), (45, 146605), (49, 146680), (51, 146692), (59, 146767), (60, 146770), (69, 146878), (74, 146962), (77, 146989), (82, 147076), (84, 147106), (85, 147124), (88, 147148), (90, 147163), (99, 147454), (100, 147514), (102, 147562), (103, 147571), (104, 147595), (106, 147745), (107, 147790), (108, 147820), (110, 147883), (113, 147898), (127, 148057), (133, 148081), (136, 148138), (141, 148225), (150, 148333), (154, 148393), (166, 148504), (168, 148516), (170, 148525), (172, 148567), (177, 148624), (190, 148756), (193, 148771), (203, 148894), (205, 148921), (206, 148924), (207, 148927), (208, 148930), (215, 148987), (218, 149035), (228, 149095), (231, 149104), (242, 149215),

Gene: Kboogie_257 Start: 145278, Stop: 148301, Start Num: 12

Candidate Starts for Kboogie_257:

(2, 144996), (Start: 12 @145278 has 166 MA's), (19, 145344), (21, 145386), (23, 145410), (25, 145428), (30, 145467), (38, 145539), (39, 145554), (42, 145611), (44, 145617), (45, 145644), (49, 145719), (51, 145731), (59, 145806), (60, 145809), (69, 145917), (77, 146028), (82, 146115), (84, 146145), (85, 146163), (88, 146187), (90, 146202), (99, 146493), (100, 146553), (102, 146601), (103, 146610), (105, 146682), (106, 146784), (107, 146829), (108, 146859), (110, 146922), (113, 146937), (127, 147096), (133, 147120), (136, 147177), (141, 147264), (150, 147372), (154, 147432), (166, 147543), (168, 147555), (172, 147606), (177, 147663), (193, 147810), (203, 147933), (205, 147960), (206, 147963), (207, 147966), (208, 147969), (215, 148026), (218, 148074), (228, 148134), (231, 148143), (242, 148254),

Gene: Khaleesi_252 Start: 146062, Stop: 148278, Start Num: 12

Candidate Starts for Khaleesi_252:

(2, 145780), (Start: 12 @146062 has 166 MA's), (19, 146128), (21, 146170), (23, 146194), (25, 146212), (30, 146251), (38, 146323), (39, 146338), (42, 146395), (44, 146401), (45, 146428), (49, 146503), (51, 146515), (59, 146590), (60, 146593), (69, 146701), (74, 146785), (77, 146812), (82,

146899), (127, 147073), (133, 147097), (136, 147154), (141, 147241), (150, 147349), (154, 147409), (166, 147520), (168, 147532), (170, 147541), (172, 147583), (177, 147640), (193, 147787), (203, 147910), (205, 147937), (206, 147940), (207, 147943), (208, 147946), (215, 148003), (218, 148051), (228, 148111), (231, 148120), (242, 148231),

Gene: Koguma_252 Start: 144861, Stop: 147884, Start Num: 12

Candidate Starts for Koguma_252:

(2, 144579), (Start: 12 @144861 has 166 MA's), (19, 144927), (21, 144969), (23, 144993), (25, 145011), (30, 145050), (38, 145122), (39, 145137), (42, 145194), (44, 145200), (45, 145227), (49, 145302), (51, 145314), (59, 145389), (60, 145392), (69, 145500), (74, 145584), (77, 145611), (82, 145698), (84, 145728), (85, 145746), (88, 145770), (90, 145785), (99, 146076), (100, 146136), (102, 146184), (103, 146193), (104, 146217), (106, 146367), (107, 146412), (108, 146442), (110, 146505), (113, 146520), (127, 146679), (133, 146703), (136, 146760), (141, 146847), (150, 146955), (154, 147015), (166, 147126), (168, 147138), (170, 147147), (172, 147189), (177, 147246), (190, 147378), (193, 147393), (203, 147516), (205, 147543), (206, 147546), (207, 147549), (208, 147552), (215, 147609), (218, 147657), (228, 147717), (231, 147726), (242, 147837),

Gene: LRRHood_245 Start: 144271, Stop: 147294, Start Num: 12

Candidate Starts for LRRHood_245:

(2, 143989), (Start: 12 @144271 has 166 MA's), (19, 144337), (21, 144379), (23, 144403), (25, 144421), (30, 144460), (38, 144532), (39, 144547), (42, 144604), (44, 144610), (45, 144637), (49, 144712), (51, 144724), (59, 144799), (60, 144802), (69, 144910), (74, 144994), (77, 145021), (82, 145108), (84, 145138), (85, 145156), (88, 145180), (90, 145195), (99, 145486), (100, 145546), (102, 145594), (103, 145603), (105, 145675), (106, 145777), (107, 145822), (108, 145852), (110, 145915), (113, 145930), (127, 146089), (133, 146113), (136, 146170), (141, 146257), (150, 146365), (154, 146425), (166, 146536), (168, 146548), (170, 146557), (172, 146599), (177, 146656), (190, 146788), (193, 146803), (203, 146926), (205, 146953), (206, 146956), (207, 146959), (208, 146962), (215, 147019), (218, 147067), (228, 147127), (231, 147136), (242, 147247),

Gene: Latch_253 Start: 144824, Stop: 147847, Start Num: 12

Candidate Starts for Latch_253:

(2, 144542), (Start: 12 @144824 has 166 MA's), (19, 144890), (21, 144932), (23, 144956), (25, 144974), (30, 145013), (38, 145085), (39, 145100), (42, 145157), (44, 145163), (45, 145190), (49, 145265), (51, 145277), (59, 145352), (60, 145355), (69, 145463), (77, 145574), (82, 145661), (84, 145691), (85, 145709), (88, 145733), (90, 145748), (99, 146039), (100, 146099), (102, 146147), (103, 146156), (105, 146228), (106, 146330), (107, 146375), (108, 146405), (110, 146468), (113, 146483), (127, 146642), (133, 146666), (136, 146723), (141, 146810), (150, 146918), (166, 147089), (168, 147101), (172, 147152), (177, 147209), (193, 147356), (203, 147479), (205, 147506), (206, 147509), (207, 147512), (208, 147515), (215, 147572), (218, 147620), (228, 147680), (231, 147689), (242, 147800),

Gene: Lee7_254 Start: 147925, Stop: 150948, Start Num: 12

Candidate Starts for Lee7_254:

(2, 147643), (Start: 12 @147925 has 166 MA's), (19, 147991), (21, 148033), (23, 148057), (25, 148075), (30, 148114), (38, 148186), (39, 148201), (42, 148258), (44, 148264), (45, 148291), (49, 148366), (51, 148378), (59, 148453), (60, 148456), (69, 148564), (74, 148648), (77, 148675), (82, 148762), (84, 148792), (85, 148810), (88, 148834), (90, 148849), (99, 149140), (100, 149200), (102, 149248), (103, 149257), (104, 149281), (106, 149431), (107, 149476), (108, 149506), (110, 149569), (113, 149584), (127, 149743), (133, 149767), (136, 149824), (141, 149911), (150, 150019), (154, 150079), (166, 150190), (168, 150202), (170, 150211), (172, 150253), (177, 150310), (190, 150442), (193, 150457), (203, 150580), (205, 150607), (206, 150610), (207, 150613), (208, 150616), (215, 150673), (218, 150721), (228, 150781), (231, 150790), (242, 150901),

Gene: LifeSavor_254 Start: 146052, Stop: 149075, Start Num: 12

Candidate Starts for LifeSavor_254:

(2, 145770), (Start: 12 @146052 has 166 MA's), (19, 146118), (21, 146160), (23, 146184), (25, 146202), (30, 146241), (38, 146313), (39, 146328), (42, 146385), (44, 146391), (45, 146418), (49, 146493), (51, 146505), (59, 146580), (60, 146583), (69, 146691), (74, 146775), (77, 146802), (82, 146889), (84, 146919), (85, 146937), (88, 146961), (90, 146976), (99, 147267), (100, 147327), (102, 147375), (103, 147384), (105, 147456), (106, 147558), (107, 147603), (108, 147633), (110, 147696), (113, 147711), (127, 147870), (133, 147894), (136, 147951), (141, 148038), (150, 148146), (154, 148206), (166, 148317), (168, 148329), (170, 148338), (172, 148380), (177, 148437), (190, 148569), (193, 148584), (203, 148707), (205, 148734), (206, 148737), (207, 148740), (208, 148743), (215, 148800), (218, 148848), (228, 148908), (231, 148917), (242, 149028),

Gene: LinStu_250 Start: 144153, Stop: 147176, Start Num: 12

Candidate Starts for LinStu_250:

(Start: 12 @144153 has 166 MA's), (19, 144219), (21, 144261), (23, 144285), (25, 144303), (30, 144342), (38, 144414), (39, 144429), (42, 144486), (44, 144492), (45, 144519), (49, 144594), (51, 144606), (59, 144681), (60, 144684), (69, 144792), (77, 144903), (82, 144990), (84, 145020), (85, 145038), (88, 145062), (90, 145077), (99, 145368), (100, 145428), (102, 145476), (103, 145485), (105, 145557), (106, 145659), (107, 145704), (108, 145734), (110, 145797), (113, 145812), (127, 145971), (133, 145995), (136, 146052), (141, 146139), (150, 146247), (154, 146307), (166, 146418), (168, 146430), (172, 146481), (177, 146538), (193, 146685), (203, 146808), (205, 146835), (206, 146838), (207, 146841), (208, 146844), (215, 146901), (218, 146949), (228, 147009), (231, 147018), (242, 147129),

Gene: Littleton_257 Start: 146061, Stop: 149084, Start Num: 12

Candidate Starts for Littleton_257:

(2, 145779), (Start: 12 @146061 has 166 MA's), (19, 146127), (21, 146169), (23, 146193), (25, 146211), (30, 146250), (38, 146322), (39, 146337), (42, 146394), (44, 146400), (45, 146427), (49, 146502), (51, 146514), (59, 146589), (60, 146592), (69, 146700), (77, 146811), (82, 146898), (84, 146928), (85, 146946), (88, 146970), (90, 146985), (99, 147276), (100, 147336), (102, 147384), (103, 147393), (105, 147465), (106, 147567), (107, 147612), (108, 147642), (110, 147705), (113, 147720), (127, 147879), (133, 147903), (136, 147960), (141, 148047), (150, 148155), (154, 148215), (166, 148326), (168, 148338), (172, 148389), (177, 148446), (193, 148593), (203, 148716), (205, 148743), (206, 148746), (207, 148749), (208, 148752), (215, 148809), (218, 148857), (228, 148917), (231, 148926), (242, 149037),

Gene: Loanshark_250 Start: 145411, Stop: 147627, Start Num: 12

Candidate Starts for Loanshark_250:

(2, 145129), (Start: 12 @145411 has 166 MA's), (19, 145477), (21, 145519), (23, 145543), (25, 145561), (30, 145600), (38, 145672), (39, 145687), (42, 145744), (44, 145750), (45, 145777), (49, 145852), (51, 145864), (59, 145939), (60, 145942), (69, 146050), (74, 146134), (77, 146161), (82, 146248), (127, 146422), (133, 146446), (136, 146503), (141, 146590), (150, 146698), (154, 146758), (166, 146869), (168, 146881), (170, 146890), (172, 146932), (177, 146989), (190, 147121), (193, 147136), (203, 147259), (205, 147286), (206, 147289), (207, 147292), (208, 147295), (215, 147352), (218, 147400), (228, 147460), (231, 147469), (242, 147580),

Gene: LolaVinca_249 Start: 145664, Stop: 148687, Start Num: 12

Candidate Starts for LolaVinca_249:

(2, 145382), (Start: 12 @145664 has 166 MA's), (19, 145730), (21, 145772), (23, 145796), (25, 145814), (30, 145853), (38, 145925), (39, 145940), (42, 145997), (44, 146003), (45, 146030), (49, 146105), (51, 146117), (59, 146192), (60, 146195), (69, 146303), (74, 146387), (77, 146414), (82, 146501), (84, 146531), (85, 146549), (88, 146573), (90, 146588), (99, 146879), (100, 146939), (102, 146987), (103, 146996), (104, 147020), (106, 147170), (107, 147215), (108, 147245), (110, 147308),

(113, 147323), (127, 147482), (133, 147506), (136, 147563), (141, 147650), (150, 147758), (154, 147818), (166, 147929), (168, 147941), (170, 147950), (172, 147992), (177, 148049), (190, 148181), (193, 148196), (203, 148319), (205, 148346), (206, 148349), (207, 148352), (208, 148355), (215, 148412), (218, 148460), (228, 148520), (231, 148529), (242, 148640),

Gene: LordLeafolot_255 Start: 145277, Stop: 148300, Start Num: 12

Candidate Starts for LordLeafolot_255:

(2, 144995), (Start: 12 @145277 has 166 MA's), (19, 145343), (21, 145385), (23, 145409), (25, 145427), (30, 145466), (38, 145538), (39, 145553), (42, 145610), (44, 145616), (45, 145643), (49, 145718), (51, 145730), (59, 145805), (60, 145808), (69, 145916), (74, 146000), (77, 146027), (82, 146114), (84, 146144), (85, 146162), (88, 146186), (90, 146201), (99, 146492), (100, 146552), (102, 146600), (103, 146609), (104, 146633), (106, 146783), (107, 146828), (108, 146858), (110, 146921), (113, 146936), (127, 147095), (133, 147119), (136, 147176), (141, 147263), (150, 147371), (154, 147431), (166, 147542), (168, 147554), (170, 147563), (172, 147605), (177, 147662), (190, 147794), (193, 147809), (203, 147932), (205, 147959), (206, 147962), (207, 147965), (208, 147968), (215, 148025), (218, 148073), (228, 148133), (231, 148142), (242, 148253),

Gene: Lukilu_242 Start: 146280, Stop: 149303, Start Num: 12

Candidate Starts for Lukilu_242:

(2, 145998), (Start: 12 @146280 has 166 MA's), (19, 146346), (21, 146388), (23, 146412), (25, 146430), (30, 146469), (38, 146541), (39, 146556), (42, 146613), (44, 146619), (45, 146646), (49, 146721), (51, 146733), (59, 146808), (60, 146811), (69, 146919), (74, 147003), (77, 147030), (82, 147117), (84, 147147), (85, 147165), (88, 147189), (90, 147204), (99, 147495), (100, 147555), (102, 147603), (103, 147612), (104, 147636), (106, 147786), (107, 147831), (108, 147861), (110, 147924), (113, 147939), (127, 148098), (133, 148122), (136, 148179), (141, 148266), (150, 148374), (154, 148434), (166, 148545), (168, 148557), (170, 148566), (172, 148608), (177, 148665), (190, 148797), (193, 148812), (203, 148935), (205, 148962), (206, 148965), (207, 148968), (208, 148971), (215, 149028), (218, 149076), (228, 149136), (231, 149145), (242, 149256),

Gene: Maby2021_254 Start: 146964, Stop: 149180, Start Num: 12

Candidate Starts for Maby2021_254:

(2, 146682), (Start: 12 @146964 has 166 MA's), (19, 147030), (21, 147072), (23, 147096), (25, 147114), (30, 147153), (38, 147225), (39, 147240), (42, 147297), (44, 147303), (45, 147330), (49, 147405), (51, 147417), (59, 147492), (60, 147495), (69, 147603), (74, 147687), (77, 147714), (82, 147801), (127, 147975), (133, 147999), (136, 148056), (141, 148143), (150, 148251), (154, 148311), (166, 148422), (168, 148434), (170, 148443), (172, 148485), (177, 148542), (190, 148674), (193, 148689), (203, 148812), (205, 148839), (206, 148842), (207, 148845), (208, 148848), (215, 148905), (218, 148953), (228, 149013), (231, 149022), (242, 149133),

Gene: Mangeria_253 Start: 146175, Stop: 149198, Start Num: 12

Candidate Starts for Mangeria_253:

(2, 145893), (Start: 12 @146175 has 166 MA's), (19, 146241), (21, 146283), (23, 146307), (25, 146325), (30, 146364), (38, 146436), (39, 146451), (42, 146508), (44, 146514), (45, 146541), (49, 146616), (51, 146628), (59, 146703), (60, 146706), (69, 146814), (77, 146925), (82, 147012), (84, 147042), (85, 147060), (88, 147084), (90, 147099), (99, 147390), (100, 147450), (102, 147498), (103, 147507), (104, 147531), (106, 147681), (107, 147726), (108, 147756), (110, 147819), (113, 147834), (127, 147993), (133, 148017), (136, 148074), (141, 148161), (150, 148269), (154, 148329), (166, 148440), (168, 148452), (170, 148461), (172, 148503), (177, 148560), (190, 148692), (193, 148707), (203, 148830), (205, 148857), (206, 148860), (207, 148863), (208, 148866), (215, 148923), (218, 148971), (228, 149031), (231, 149040), (242, 149151),

Gene: Matsumoto_251 Start: 145266, Stop: 148289, Start Num: 12

Candidate Starts for Matsumoto_251:

(2, 144984), (Start: 12 @145266 has 166 MA's), (19, 145332), (21, 145374), (23, 145398), (25, 145416), (30, 145455), (38, 145527), (39, 145542), (42, 145599), (44, 145605), (45, 145632), (49, 145707), (51, 145719), (59, 145794), (60, 145797), (69, 145905), (74, 145989), (77, 146016), (82, 146103), (84, 146133), (85, 146151), (88, 146175), (90, 146190), (99, 146481), (100, 146541), (102, 146589), (103, 146598), (105, 146670), (106, 146772), (107, 146817), (108, 146847), (110, 146910), (113, 146925), (127, 147084), (133, 147108), (136, 147165), (141, 147252), (150, 147360), (154, 147420), (166, 147531), (168, 147543), (172, 147594), (177, 147651), (193, 147798), (203, 147921), (205, 147948), (206, 147951), (207, 147954), (208, 147957), (215, 148014), (218, 148062), (228, 148122), (231, 148131), (242, 148242),

Gene: McGee_255 Start: 145612, Stop: 148635, Start Num: 12

Candidate Starts for McGee_255:

(2, 145330), (Start: 12 @145612 has 166 MA's), (19, 145678), (21, 145720), (23, 145744), (25, 145762), (30, 145801), (38, 145873), (39, 145888), (42, 145945), (44, 145951), (45, 145978), (49, 146053), (51, 146065), (59, 146140), (60, 146143), (69, 146251), (77, 146362), (82, 146449), (84, 146479), (85, 146497), (88, 146521), (90, 146536), (99, 146827), (100, 146887), (102, 146935), (103, 146944), (105, 147016), (106, 147118), (107, 147163), (108, 147193), (110, 147256), (113, 147271), (127, 147430), (133, 147454), (136, 147511), (141, 147598), (150, 147706), (154, 147766), (166, 147877), (168, 147889), (172, 147940), (177, 147997), (193, 148144), (203, 148267), (205, 148294), (206, 148297), (207, 148300), (208, 148303), (215, 148360), (218, 148408), (228, 148468), (231, 148477), (242, 148588),

Gene: McWolfish_250 Start: 145273, Stop: 147489, Start Num: 12

Candidate Starts for McWolfish_250:

(2, 144991), (Start: 12 @145273 has 166 MA's), (19, 145339), (21, 145381), (23, 145405), (25, 145423), (30, 145462), (38, 145534), (39, 145549), (42, 145606), (44, 145612), (45, 145639), (49, 145714), (51, 145726), (59, 145801), (60, 145804), (69, 145912), (74, 145996), (77, 146023), (82, 146110), (127, 146284), (133, 146308), (136, 146365), (141, 146452), (150, 146560), (154, 146620), (166, 146731), (168, 146743), (170, 146752), (172, 146794), (177, 146851), (193, 146998), (203, 147121), (205, 147148), (206, 147151), (207, 147154), (208, 147157), (215, 147214), (218, 147262), (228, 147322), (231, 147331), (242, 147442),

Gene: Megamind_250 Start: 145598, Stop: 147814, Start Num: 12

Candidate Starts for Megamind_250:

(2, 145316), (Start: 12 @145598 has 166 MA's), (19, 145664), (21, 145706), (23, 145730), (25, 145748), (30, 145787), (38, 145859), (39, 145874), (42, 145931), (44, 145937), (45, 145964), (49, 146039), (51, 146051), (59, 146126), (60, 146129), (69, 146237), (74, 146321), (77, 146348), (82, 146435), (127, 146609), (133, 146633), (136, 146690), (141, 146777), (150, 146885), (154, 146945), (166, 147056), (168, 147068), (170, 147077), (172, 147119), (177, 147176), (190, 147308), (193, 147323), (203, 147446), (205, 147473), (206, 147476), (207, 147479), (208, 147482), (215, 147539), (218, 147587), (228, 147647), (231, 147656), (242, 147767),

Gene: Melpomini_248 Start: 144358, Stop: 147381, Start Num: 12

Candidate Starts for Melpomini_248:

(2, 144076), (Start: 12 @144358 has 166 MA's), (19, 144424), (21, 144466), (23, 144490), (25, 144508), (30, 144547), (38, 144619), (39, 144634), (42, 144691), (44, 144697), (45, 144724), (49, 144799), (51, 144811), (59, 144886), (60, 144889), (69, 144997), (77, 145108), (82, 145195), (84, 145225), (85, 145243), (88, 145267), (90, 145282), (99, 145573), (100, 145633), (102, 145681), (103, 145690), (105, 145762), (106, 145864), (107, 145909), (108, 145939), (110, 146002), (113, 146017), (127, 146176), (133, 146200), (136, 146257), (141, 146344), (150, 146452), (154, 146512), (166, 146623), (168, 146635), (172, 146686), (177, 146743), (193, 146890), (203, 147013), (205, 147040), (206, 147043), (207, 147046), (208, 147049), (215, 147106), (218, 147154), (228, 147214), (231, 147223), (242, 147334),

Gene: MikeLiesIn_254 Start: 146734, Stop: 148950, Start Num: 12

Candidate Starts for MikeLiesIn_254:

(2, 146452), (Start: 12 @146734 has 166 MA's), (19, 146800), (21, 146842), (23, 146866), (25, 146884), (30, 146923), (38, 146995), (39, 147010), (42, 147067), (44, 147073), (45, 147100), (49, 147175), (51, 147187), (59, 147262), (60, 147265), (69, 147373), (74, 147457), (77, 147484), (82, 147571), (127, 147745), (133, 147769), (136, 147826), (141, 147913), (150, 148021), (154, 148081), (166, 148192), (168, 148204), (170, 148213), (172, 148255), (177, 148312), (190, 148444), (193, 148459), (203, 148582), (205, 148609), (206, 148612), (207, 148615), (208, 148618), (215, 148675), (218, 148723), (228, 148783), (231, 148792), (242, 148903),

Gene: Mikro_247 Start: 147177, Stop: 150200, Start Num: 12

Candidate Starts for Mikro_247:

(2, 146895), (Start: 12 @147177 has 166 MA's), (19, 147243), (21, 147285), (23, 147309), (25, 147327), (30, 147366), (38, 147438), (39, 147453), (42, 147510), (44, 147516), (45, 147543), (49, 147618), (51, 147630), (59, 147705), (60, 147708), (69, 147816), (74, 147900), (77, 147927), (82, 148014), (84, 148044), (85, 148062), (88, 148086), (90, 148101), (99, 148392), (100, 148452), (102, 148500), (103, 148509), (104, 148533), (106, 148683), (107, 148728), (108, 148758), (110, 148821), (113, 148836), (127, 148995), (133, 149019), (136, 149076), (141, 149163), (150, 149271), (154, 149331), (166, 149442), (168, 149454), (170, 149463), (172, 149505), (177, 149562), (190, 149694), (193, 149709), (203, 149832), (205, 149859), (206, 149862), (207, 149865), (208, 149868), (215, 149925), (218, 149973), (228, 150033), (231, 150042), (242, 150153),

Gene: MoMoMixon_249 Start: 145693, Stop: 147909, Start Num: 12

Candidate Starts for MoMoMixon_249:

(2, 145411), (Start: 12 @145693 has 166 MA's), (19, 145759), (21, 145801), (23, 145825), (25, 145843), (30, 145882), (38, 145954), (39, 145969), (42, 146026), (44, 146032), (45, 146059), (49, 146134), (51, 146146), (59, 146221), (60, 146224), (69, 146332), (74, 146416), (77, 146443), (82, 146530), (127, 146704), (133, 146728), (136, 146785), (141, 146872), (150, 146980), (154, 147040), (166, 147151), (168, 147163), (170, 147172), (172, 147214), (177, 147271), (190, 147403), (193, 147418), (203, 147541), (205, 147568), (206, 147571), (207, 147574), (208, 147577), (215, 147634), (218, 147682), (228, 147742), (231, 147751), (242, 147862),

Gene: Momo_255 Start: 144824, Stop: 147847, Start Num: 12

Candidate Starts for Momo_255:

(2, 144542), (Start: 12 @144824 has 166 MA's), (19, 144890), (21, 144932), (23, 144956), (25, 144974), (30, 145013), (38, 145085), (39, 145100), (42, 145157), (44, 145163), (45, 145190), (49, 145265), (51, 145277), (59, 145352), (60, 145355), (69, 145463), (77, 145574), (82, 145661), (84, 145691), (85, 145709), (88, 145733), (90, 145748), (99, 146039), (100, 146099), (102, 146147), (103, 146156), (105, 146228), (106, 146330), (107, 146375), (108, 146405), (110, 146468), (113, 146483), (127, 146642), (133, 146666), (136, 146723), (141, 146810), (150, 146918), (166, 147089), (168, 147101), (172, 147152), (177, 147209), (193, 147356), (203, 147479), (205, 147506), (206, 147509), (207, 147512), (208, 147515), (215, 147572), (218, 147620), (228, 147680), (231, 147689), (242, 147800),

Gene: Morizzled23_251 Start: 144640, Stop: 147663, Start Num: 12

Candidate Starts for Morizzled23_251:

(2, 144358), (Start: 12 @144640 has 166 MA's), (19, 144706), (21, 144748), (23, 144772), (25, 144790), (30, 144829), (38, 144901), (39, 144916), (42, 144973), (44, 144979), (45, 145006), (49, 145081), (51, 145093), (59, 145168), (60, 145171), (69, 145279), (74, 145363), (77, 145390), (82, 145477), (84, 145507), (85, 145525), (88, 145549), (90, 145564), (99, 145855), (100, 145915), (102, 145963), (103, 145972), (105, 146044), (106, 146146), (107, 146191), (108, 146221), (110, 146284), (113, 146299), (127, 146458), (133, 146482), (136, 146539), (141, 146626), (150, 146734), (154,

146794), (166, 146905), (168, 146917), (172, 146968), (177, 147025), (193, 147172), (203, 147295), (205, 147322), (206, 147325), (207, 147328), (208, 147331), (215, 147388), (218, 147436), (228, 147496), (231, 147505), (242, 147616),

Gene: Myrna_246 Start: 148768, Stop: 151059, Start Num: 7

Candidate Starts for Myrna_246:

(1, 148270), (Start: 7 @148768 has 3 MA's), (19, 148837), (22, 148900), (26, 148927), (29, 148957), (37, 149026), (38, 149032), (44, 149110), (49, 149212), (51, 149224), (52, 149233), (59, 149299), (62, 149332), (67, 149395), (79, 149527), (80, 149560), (117, 149677), (118, 149683), (120, 149743), (121, 149749), (124, 149755), (125, 149764), (130, 149803), (136, 149869), (139, 149914), (141, 149956), (143, 149965), (148, 150049), (150, 150061), (152, 150091), (153, 150094), (156, 150187), (159, 150232), (161, 150256), (163, 150280), (164, 150292), (170, 150325), (172, 150367), (174, 150373), (182, 150487), (193, 150571), (194, 150607), (205, 150709), (206, 150712), (207, 150715), (210, 150724), (220, 150832), (223, 150847), (230, 150883), (238, 150964),

Gene: Naija_254 Start: 145527, Stop: 148550, Start Num: 12

Candidate Starts for Naija_254:

(2, 145245), (Start: 12 @145527 has 166 MA's), (19, 145593), (21, 145635), (23, 145659), (25, 145677), (30, 145716), (38, 145788), (39, 145803), (42, 145860), (44, 145866), (45, 145893), (49, 145968), (51, 145980), (59, 146055), (60, 146058), (69, 146166), (77, 146277), (82, 146364), (84, 146394), (85, 146412), (88, 146436), (90, 146451), (99, 146742), (100, 146802), (102, 146850), (103, 146859), (105, 146931), (106, 147033), (107, 147078), (108, 147108), (110, 147171), (113, 147186), (127, 147345), (133, 147369), (136, 147426), (141, 147513), (150, 147621), (166, 147792), (168, 147804), (172, 147855), (177, 147912), (193, 148059), (203, 148182), (205, 148209), (206, 148212), (207, 148215), (208, 148218), (215, 148275), (218, 148323), (228, 148383), (231, 148392), (242, 148503),

Gene: Napoleon13_250 Start: 144556, Stop: 147579, Start Num: 12

Candidate Starts for Napoleon13_250:

(2, 144274), (Start: 12 @144556 has 166 MA's), (19, 144622), (21, 144664), (23, 144688), (25, 144706), (30, 144745), (38, 144817), (39, 144832), (42, 144889), (44, 144895), (45, 144922), (49, 144997), (51, 145009), (59, 145084), (60, 145087), (69, 145195), (77, 145306), (82, 145393), (84, 145423), (85, 145441), (88, 145465), (90, 145480), (99, 145771), (100, 145831), (102, 145879), (103, 145888), (105, 145960), (106, 146062), (107, 146107), (108, 146137), (110, 146200), (113, 146215), (127, 146374), (133, 146398), (136, 146455), (141, 146542), (150, 146650), (154, 146710), (166, 146821), (168, 146833), (172, 146884), (177, 146941), (193, 147088), (203, 147211), (205, 147238), (206, 147241), (207, 147244), (208, 147247), (215, 147304), (218, 147352), (228, 147412), (231, 147421), (242, 147532),

Gene: Nappy_252 Start: 146633, Stop: 148849, Start Num: 12

Candidate Starts for Nappy_252:

(2, 146351), (Start: 12 @146633 has 166 MA's), (19, 146699), (21, 146741), (23, 146765), (25, 146783), (30, 146822), (38, 146894), (39, 146909), (42, 146966), (44, 146972), (45, 146999), (49, 147074), (51, 147086), (59, 147161), (60, 147164), (69, 147272), (74, 147356), (77, 147383), (82, 147470), (127, 147644), (133, 147668), (136, 147725), (141, 147812), (150, 147920), (154, 147980), (166, 148091), (168, 148103), (170, 148112), (172, 148154), (177, 148211), (190, 148343), (193, 148358), (203, 148481), (205, 148508), (206, 148511), (207, 148514), (208, 148517), (215, 148574), (218, 148622), (228, 148682), (231, 148691), (242, 148802),

Gene: Naval22_258 Start: 147307, Stop: 150330, Start Num: 12

Candidate Starts for Naval22_258:

(2, 147025), (Start: 12 @147307 has 166 MA's), (19, 147373), (21, 147415), (23, 147439), (25, 147457), (30, 147496), (38, 147568), (39, 147583), (42, 147640), (44, 147646), (45, 147673), (49,

147748), (51, 147760), (59, 147835), (60, 147838), (69, 147946), (74, 148030), (77, 148057), (82, 148144), (84, 148174), (85, 148192), (88, 148216), (90, 148231), (99, 148522), (100, 148582), (102, 148630), (103, 148639), (105, 148711), (106, 148813), (107, 148858), (108, 148888), (110, 148951), (113, 148966), (127, 149125), (133, 149149), (136, 149206), (141, 149293), (150, 149401), (154, 149461), (166, 149572), (168, 149584), (170, 149593), (172, 149635), (177, 149692), (190, 149824), (193, 149839), (203, 149962), (205, 149989), (206, 149992), (207, 149995), (208, 149998), (215, 150055), (218, 150103), (228, 150163), (231, 150172), (242, 150283),

Gene: NedWong_252 Start: 145985, Stop: 148201, Start Num: 12

Candidate Starts for NedWong_252:

(2, 145703), (Start: 12 @145985 has 166 MA's), (19, 146051), (21, 146093), (23, 146117), (25, 146135), (30, 146174), (38, 146246), (39, 146261), (42, 146318), (44, 146324), (45, 146351), (49, 146426), (51, 146438), (59, 146513), (60, 146516), (69, 146624), (74, 146708), (77, 146735), (82, 146822), (127, 146996), (133, 147020), (136, 147077), (141, 147164), (150, 147272), (154, 147332), (166, 147443), (168, 147455), (170, 147464), (172, 147506), (177, 147563), (190, 147695), (193, 147710), (203, 147833), (205, 147860), (206, 147863), (207, 147866), (208, 147869), (215, 147926), (218, 147974), (228, 148034), (231, 148043), (242, 148154),

Gene: Ngannou_248 Start: 144509, Stop: 147532, Start Num: 12

Candidate Starts for Ngannou_248:

(2, 144227), (Start: 12 @144509 has 166 MA's), (19, 144575), (21, 144617), (23, 144641), (25, 144659), (30, 144698), (38, 144770), (39, 144785), (42, 144842), (44, 144848), (45, 144875), (49, 144950), (51, 144962), (59, 145037), (60, 145040), (69, 145148), (77, 145259), (82, 145346), (84, 145376), (85, 145394), (88, 145418), (90, 145433), (99, 145724), (100, 145784), (102, 145832), (103, 145841), (105, 145913), (106, 146015), (107, 146060), (108, 146090), (110, 146153), (113, 146168), (127, 146327), (133, 146351), (136, 146408), (141, 146495), (150, 146603), (166, 146774), (168, 146786), (172, 146837), (177, 146894), (193, 147041), (203, 147164), (205, 147191), (206, 147194), (207, 147197), (208, 147200), (215, 147257), (218, 147305), (228, 147365), (231, 147374), (242, 147485),

Gene: Nidhogg_254 Start: 146353, Stop: 149376, Start Num: 12

Candidate Starts for Nidhogg_254:

(2, 146071), (Start: 12 @146353 has 166 MA's), (19, 146419), (21, 146461), (23, 146485), (25, 146503), (30, 146542), (38, 146614), (39, 146629), (42, 146686), (44, 146692), (45, 146719), (49, 146794), (51, 146806), (59, 146881), (60, 146884), (69, 146992), (74, 147076), (77, 147103), (82, 147190), (84, 147220), (85, 147238), (88, 147262), (90, 147277), (99, 147568), (100, 147628), (102, 147676), (103, 147685), (104, 147709), (106, 147859), (107, 147904), (108, 147934), (110, 147997), (113, 148012), (127, 148171), (133, 148195), (136, 148252), (141, 148339), (150, 148447), (154, 148507), (166, 148618), (168, 148630), (170, 148639), (172, 148681), (177, 148738), (190, 148870), (193, 148885), (203, 149008), (205, 149035), (206, 149038), (207, 149041), (208, 149044), (215, 149101), (218, 149149), (228, 149209), (231, 149218), (242, 149329),

Gene: NoodleTree_249 Start: 141104, Stop: 144127, Start Num: 12

Candidate Starts for NoodleTree_249:

(2, 140822), (Start: 12 @141104 has 166 MA's), (19, 141170), (21, 141212), (23, 141236), (25, 141254), (30, 141293), (38, 141365), (39, 141380), (42, 141437), (44, 141443), (45, 141470), (49, 141545), (51, 141557), (59, 141632), (60, 141635), (69, 141743), (74, 141827), (77, 141854), (82, 141941), (84, 141971), (85, 141989), (88, 142013), (90, 142028), (99, 142319), (100, 142379), (102, 142427), (103, 142436), (104, 142460), (106, 142610), (107, 142655), (108, 142685), (110, 142748), (113, 142763), (127, 142922), (133, 142946), (136, 143003), (141, 143090), (150, 143198), (154, 143258), (166, 143369), (168, 143381), (170, 143390), (172, 143432), (177, 143489), (190, 143621), (193, 143636), (203, 143759), (205, 143786), (206, 143789), (207, 143792), (208, 143795), (215, 143852), (218, 143900), (228, 143960), (231, 143969), (242, 144080),

Gene: Norm_253 Start: 146254, Stop: 148470, Start Num: 12

Candidate Starts for Norm_253:

(2, 145972), (Start: 12 @146254 has 166 MA's), (19, 146320), (21, 146362), (23, 146386), (25, 146404), (30, 146443), (38, 146515), (39, 146530), (42, 146587), (44, 146593), (45, 146620), (49, 146695), (51, 146707), (59, 146782), (60, 146785), (69, 146893), (74, 146977), (77, 147004), (82, 147091), (127, 147265), (133, 147289), (136, 147346), (141, 147433), (150, 147541), (154, 147601), (166, 147712), (168, 147724), (170, 147733), (172, 147775), (177, 147832), (190, 147964), (193, 147979), (203, 148102), (205, 148129), (206, 148132), (207, 148135), (208, 148138), (215, 148195), (218, 148243), (228, 148303), (231, 148312), (242, 148423),

Gene: NuevoMundo_255 Start: 146740, Stop: 148956, Start Num: 12

Candidate Starts for NuevoMundo_255:

(11, 146734), (Start: 12 @146740 has 166 MA's), (19, 146806), (21, 146848), (23, 146872), (25, 146890), (30, 146929), (38, 147001), (39, 147016), (42, 147073), (44, 147079), (45, 147106), (49, 147181), (51, 147193), (59, 147268), (60, 147271), (69, 147379), (77, 147490), (82, 147577), (127, 147751), (133, 147775), (136, 147832), (141, 147919), (150, 148027), (154, 148087), (166, 148198), (168, 148210), (172, 148261), (177, 148318), (193, 148465), (203, 148588), (205, 148615), (206, 148618), (207, 148621), (208, 148624), (215, 148681), (218, 148729), (228, 148789), (231, 148798), (242, 148909),

Gene: ParkTD_252 Start: 145824, Stop: 148040, Start Num: 12

Candidate Starts for ParkTD_252:

(2, 145542), (Start: 12 @145824 has 166 MA's), (19, 145890), (21, 145932), (23, 145956), (25, 145974), (30, 146013), (38, 146085), (39, 146100), (42, 146157), (44, 146163), (45, 146190), (49, 146265), (51, 146277), (59, 146352), (60, 146355), (69, 146463), (74, 146547), (77, 146574), (82, 146661), (127, 146835), (133, 146859), (136, 146916), (141, 147003), (150, 147111), (154, 147171), (166, 147282), (168, 147294), (170, 147303), (172, 147345), (177, 147402), (190, 147534), (193, 147549), (203, 147672), (205, 147699), (206, 147702), (207, 147705), (208, 147708), (215, 147765), (218, 147813), (228, 147873), (231, 147882), (242, 147993),

Gene: Patter_255 Start: 145484, Stop: 148507, Start Num: 12

Candidate Starts for Patter_255:

(2, 145202), (Start: 12 @145484 has 166 MA's), (19, 145550), (21, 145592), (23, 145616), (25, 145634), (30, 145673), (38, 145745), (39, 145760), (42, 145817), (44, 145823), (45, 145850), (49, 145925), (51, 145937), (59, 146012), (60, 146015), (69, 146123), (77, 146234), (82, 146321), (84, 146351), (85, 146369), (88, 146393), (90, 146408), (99, 146699), (100, 146759), (102, 146807), (103, 146816), (105, 146888), (106, 146990), (107, 147035), (108, 147065), (110, 147128), (113, 147143), (127, 147302), (133, 147326), (136, 147383), (141, 147470), (150, 147578), (154, 147638), (166, 147749), (168, 147761), (172, 147812), (177, 147869), (193, 148016), (203, 148139), (205, 148166), (206, 148169), (207, 148172), (208, 148175), (215, 148232), (218, 148280), (228, 148340), (231, 148349), (242, 148460),

Gene: Phabba_256 Start: 148154, Stop: 150448, Start Num: 7

Candidate Starts for Phabba_256:

(Start: 7 @148154 has 3 MA's), (19, 148226), (22, 148289), (26, 148316), (37, 148415), (38, 148421), (40, 148445), (44, 148499), (49, 148601), (51, 148613), (52, 148622), (59, 148688), (62, 148721), (67, 148784), (70, 148805), (79, 148916), (80, 148949), (117, 149066), (118, 149072), (120, 149132), (124, 149144), (125, 149153), (130, 149192), (136, 149258), (139, 149303), (141, 149345), (143, 149354), (148, 149438), (150, 149450), (153, 149483), (156, 149576), (160, 149633), (161, 149645), (165, 149684), (170, 149714), (172, 149756), (174, 149762), (182, 149876), (187, 149903), (194, 149996), (195, 150005), (205, 150098), (206, 150101), (207, 150104), (210, 150113), (220, 150221), (223, 150236), (230, 150272), (234, 150329), (238, 150353), (240, 150368),

Gene: Phlegm_258 Start: 146230, Stop: 149253, Start Num: 12

Candidate Starts for Phlegm_258:

(2, 145948), (Start: 12 @146230 has 166 MA's), (19, 146296), (21, 146338), (23, 146362), (25, 146380), (30, 146419), (38, 146491), (39, 146506), (42, 146563), (44, 146569), (45, 146596), (49, 146671), (51, 146683), (59, 146758), (60, 146761), (69, 146869), (77, 146980), (82, 147067), (84, 147097), (85, 147115), (88, 147139), (90, 147154), (99, 147445), (100, 147505), (102, 147553), (103, 147562), (105, 147634), (106, 147736), (107, 147781), (108, 147811), (110, 147874), (113, 147889), (127, 148048), (133, 148072), (136, 148129), (141, 148216), (150, 148324), (166, 148495), (168, 148507), (172, 148558), (177, 148615), (193, 148762), (203, 148885), (205, 148912), (206, 148915), (207, 148918), (208, 148921), (215, 148978), (218, 149026), (228, 149086), (231, 149095), (242, 149206),

Gene: Phox_254 Start: 145479, Stop: 147695, Start Num: 12

Candidate Starts for Phox_254:

(2, 145197), (Start: 12 @145479 has 166 MA's), (19, 145545), (21, 145587), (23, 145611), (25, 145629), (30, 145668), (38, 145740), (39, 145755), (42, 145812), (44, 145818), (45, 145845), (49, 145920), (51, 145932), (59, 146007), (60, 146010), (69, 146118), (74, 146202), (77, 146229), (82, 146316), (127, 146490), (133, 146514), (136, 146571), (141, 146658), (150, 146766), (154, 146826), (166, 146937), (168, 146949), (170, 146958), (172, 147000), (177, 147057), (190, 147189), (193, 147204), (203, 147327), (205, 147354), (206, 147357), (207, 147360), (208, 147363), (215, 147420), (218, 147468), (228, 147528), (231, 147537), (242, 147648),

Gene: Phrappuccino_2 Start: 1651, Stop: 4911, Start Num: 9

Candidate Starts for Phrappuccino_2:

(Start: 9 @1651 has 2 MA's), (30, 1867), (36, 1930), (38, 1939), (41, 2005), (46, 2053), (48, 2116), (52, 2140), (58, 2203), (59, 2206), (61, 2245), (65, 2281), (66, 2299), (67, 2317), (69, 2332), (71, 2350), (75, 2422), (77, 2443), (78, 2446), (86, 2590), (89, 2617), (91, 2674), (92, 2698), (93, 2716), (94, 2770), (95, 2830), (96, 2851), (97, 2863), (98, 2890), (101, 3022), (108, 3283), (109, 3310), (111, 3349), (112, 3358), (122, 3517), (123, 3526), (126, 3559), (128, 3598), (129, 3616), (132, 3655), (134, 3661), (137, 3772), (140, 3835), (144, 3901), (147, 3955), (150, 3991), (155, 4102), (158, 4147), (162, 4171), (164, 4201), (170, 4234), (173, 4297), (174, 4300), (186, 4432), (191, 4492), (192, 4498), (196, 4552), (199, 4573), (201, 4588), (207, 4645), (208, 4648), (213, 4702), (226, 4807),

Gene: Phusco_252 Start: 145062, Stop: 148085, Start Num: 12

Candidate Starts for Phusco_252:

(2, 144780), (Start: 12 @145062 has 166 MA's), (19, 145128), (21, 145170), (23, 145194), (25, 145212), (30, 145251), (38, 145323), (39, 145338), (42, 145395), (44, 145401), (45, 145428), (49, 145503), (51, 145515), (59, 145590), (60, 145593), (69, 145701), (74, 145785), (77, 145812), (82, 145899), (84, 145929), (85, 145947), (88, 145971), (90, 145986), (99, 146277), (100, 146337), (102, 146385), (103, 146394), (105, 146466), (106, 146568), (107, 146613), (108, 146643), (110, 146706), (113, 146721), (127, 146880), (133, 146904), (136, 146961), (141, 147048), (150, 147156), (154, 147216), (166, 147327), (168, 147339), (170, 147348), (172, 147390), (177, 147447), (190, 147579), (193, 147594), (203, 147717), (205, 147744), (206, 147747), (207, 147750), (208, 147753), (215, 147810), (218, 147858), (228, 147918), (231, 147927), (242, 148038),

Gene: Pier_252 Start: 146355, Stop: 149378, Start Num: 12

Candidate Starts for Pier_252:

(2, 146073), (Start: 12 @146355 has 166 MA's), (19, 146421), (21, 146463), (23, 146487), (25, 146505), (30, 146544), (38, 146616), (39, 146631), (42, 146688), (44, 146694), (45, 146721), (49, 146796), (51, 146808), (59, 146883), (60, 146886), (69, 146994), (74, 147078), (77, 147105), (82, 147192), (84, 147222), (85, 147240), (88, 147264), (90, 147279), (99, 147570), (100, 147630), (102, 147678), (103, 147687), (104, 147711), (106, 147861), (107, 147906), (108, 147936), (110, 147999),

(113, 148014), (127, 148173), (133, 148197), (136, 148254), (141, 148341), (150, 148449), (154, 148509), (166, 148620), (168, 148632), (170, 148641), (172, 148683), (177, 148740), (190, 148872), (193, 148887), (203, 149010), (205, 149037), (206, 149040), (207, 149043), (208, 149046), (215, 149103), (218, 149151), (228, 149211), (231, 149220), (242, 149331),

Gene: Pinkcreek_233 Start: 142681, Stop: 145704, Start Num: 12

Candidate Starts for Pinkcreek_233:

(Start: 12 @142681 has 166 MA's), (19, 142747), (21, 142789), (23, 142813), (25, 142831), (30, 142870), (38, 142942), (39, 142957), (42, 143014), (44, 143020), (45, 143047), (49, 143122), (51, 143134), (59, 143209), (60, 143212), (69, 143320), (77, 143431), (82, 143518), (84, 143548), (85, 143566), (88, 143590), (90, 143605), (99, 143896), (100, 143956), (102, 144004), (103, 144013), (104, 144037), (106, 144187), (107, 144232), (108, 144262), (110, 144325), (113, 144340), (127, 144499), (133, 144523), (136, 144580), (141, 144667), (150, 144775), (154, 144835), (166, 144946), (168, 144958), (170, 144967), (172, 145009), (177, 145066), (190, 145198), (193, 145213), (203, 145336), (205, 145363), (206, 145366), (207, 145369), (208, 145372), (215, 145429), (218, 145477), (228, 145537), (231, 145546), (242, 145657),

Gene: Pio_260 Start: 147558, Stop: 149774, Start Num: 12

Candidate Starts for Pio_260:

(2, 147276), (Start: 12 @147558 has 166 MA's), (19, 147624), (21, 147666), (23, 147690), (25, 147708), (30, 147747), (38, 147819), (39, 147834), (42, 147891), (44, 147897), (45, 147924), (49, 147999), (51, 148011), (59, 148086), (60, 148089), (69, 148197), (74, 148281), (77, 148308), (82, 148395), (127, 148569), (133, 148593), (136, 148650), (141, 148737), (150, 148845), (154, 148905), (166, 149016), (168, 149028), (170, 149037), (172, 149079), (177, 149136), (190, 149268), (193, 149283), (203, 149406), (205, 149433), (206, 149436), (207, 149439), (208, 149442), (215, 149499), (218, 149547), (228, 149607), (231, 149616), (242, 149727),

Gene: Pivoine_254 Start: 145527, Stop: 148550, Start Num: 12

Candidate Starts for Pivoine_254:

(2, 145245), (Start: 12 @145527 has 166 MA's), (19, 145593), (21, 145635), (23, 145659), (25, 145677), (30, 145716), (38, 145788), (39, 145803), (42, 145860), (44, 145866), (45, 145893), (49, 145968), (51, 145980), (59, 146055), (60, 146058), (69, 146166), (77, 146277), (82, 146364), (84, 146394), (85, 146412), (88, 146436), (90, 146451), (99, 146742), (100, 146802), (102, 146850), (103, 146859), (105, 146931), (106, 147033), (107, 147078), (108, 147108), (110, 147171), (113, 147186), (127, 147345), (133, 147369), (136, 147426), (141, 147513), (150, 147621), (166, 147792), (168, 147804), (172, 147855), (177, 147912), (193, 148059), (203, 148182), (205, 148209), (206, 148212), (207, 148215), (208, 148218), (215, 148275), (218, 148323), (228, 148383), (231, 148392), (242, 148503),

Gene: Pleione_257 Start: 146290, Stop: 148506, Start Num: 12

Candidate Starts for Pleione_257:

(2, 146008), (Start: 12 @146290 has 166 MA's), (19, 146356), (21, 146398), (23, 146422), (25, 146440), (30, 146479), (38, 146551), (39, 146566), (42, 146623), (44, 146629), (45, 146656), (49, 146731), (51, 146743), (59, 146818), (60, 146821), (69, 146929), (74, 147013), (77, 147040), (82, 147127), (127, 147301), (133, 147325), (136, 147382), (141, 147469), (150, 147577), (154, 147637), (166, 147748), (168, 147760), (170, 147769), (172, 147811), (177, 147868), (190, 148000), (193, 148015), (203, 148138), (205, 148165), (206, 148168), (207, 148171), (208, 148174), (215, 148231), (218, 148279), (228, 148339), (231, 148348), (242, 148459),

Gene: Pupper_174 Start: 126973, Stop: 129177, Start Num: 14

Candidate Starts for Pupper_174:

(3, 126796), (4, 126799), (5, 126823), (Start: 14 @126973 has 2 MA's), (17, 127009), (19, 127018), (24, 127087), (30, 127141), (32, 127162), (38, 127213), (43, 127288), (44, 127291), (47, 127354), (50,

127402), (53, 127417), (59, 127480), (67, 127576), (69, 127591), (76, 127693), (77, 127702), (79, 127708), (82, 127789), (115, 127828), (118, 127864), (119, 127894), (130, 127975), (135, 127990), (137, 128044), (141, 128128), (143, 128137), (148, 128221), (149, 128224), (150, 128233), (152, 128263), (153, 128266), (157, 128365), (166, 128488), (172, 128551), (176, 128599), (182, 128674), (184, 128683), (207, 128902), (210, 128911), (220, 129022), (224, 129040), (227, 129064), (228, 129067), (233, 129106), (239, 129151),

Gene: PurduePete_254 Start: 147004, Stop: 149220, Start Num: 12

Candidate Starts for PurduePete_254:

(2, 146722), (Start: 12 @147004 has 166 MA's), (19, 147070), (21, 147112), (23, 147136), (25, 147154), (30, 147193), (38, 147265), (39, 147280), (42, 147337), (44, 147343), (45, 147370), (49, 147445), (51, 147457), (59, 147532), (60, 147535), (69, 147643), (74, 147727), (77, 147754), (82, 147841), (127, 148015), (133, 148039), (136, 148096), (141, 148183), (150, 148291), (154, 148351), (166, 148462), (168, 148474), (170, 148483), (172, 148525), (177, 148582), (193, 148729), (203, 148852), (205, 148879), (206, 148882), (207, 148885), (208, 148888), (215, 148945), (218, 148993), (228, 149053), (231, 149062), (242, 149173),

Gene: QBert_245 Start: 143877, Stop: 146900, Start Num: 12

Candidate Starts for QBert_245:

(2, 143595), (Start: 12 @143877 has 166 MA's), (19, 143943), (21, 143985), (23, 144009), (25, 144027), (30, 144066), (38, 144138), (39, 144153), (42, 144210), (44, 144216), (45, 144243), (49, 144318), (51, 144330), (59, 144405), (60, 144408), (69, 144516), (74, 144600), (77, 144627), (82, 144714), (84, 144744), (85, 144762), (88, 144786), (90, 144801), (99, 145092), (100, 145152), (102, 145200), (103, 145209), (105, 145281), (106, 145383), (107, 145428), (108, 145458), (110, 145521), (113, 145536), (127, 145695), (133, 145719), (136, 145776), (141, 145863), (150, 145971), (154, 146031), (166, 146142), (168, 146154), (170, 146163), (172, 146205), (177, 146262), (190, 146394), (193, 146409), (203, 146532), (205, 146559), (206, 146562), (207, 146565), (208, 146568), (215, 146625), (218, 146673), (228, 146733), (231, 146742), (242, 146853),

Gene: Quasimodo_256 Start: 145863, Stop: 148886, Start Num: 12

Candidate Starts for Quasimodo_256:

(2, 145581), (Start: 12 @145863 has 166 MA's), (19, 145929), (21, 145971), (23, 145995), (25, 146013), (30, 146052), (38, 146124), (39, 146139), (42, 146196), (44, 146202), (45, 146229), (49, 146304), (51, 146316), (59, 146391), (60, 146394), (69, 146502), (77, 146613), (82, 146700), (84, 146730), (85, 146748), (88, 146772), (90, 146787), (99, 147078), (100, 147138), (102, 147186), (103, 147195), (105, 147267), (106, 147369), (107, 147414), (108, 147444), (110, 147507), (113, 147522), (127, 147681), (133, 147705), (136, 147762), (141, 147849), (150, 147957), (166, 148128), (168, 148140), (172, 148191), (177, 148248), (193, 148395), (203, 148518), (205, 148545), (206, 148548), (207, 148551), (208, 148554), (215, 148611), (218, 148659), (228, 148719), (231, 148728), (242, 148839),

Gene: Rabinovish_246 Start: 144367, Stop: 147390, Start Num: 12

Candidate Starts for Rabinovish_246:

(2, 144085), (Start: 12 @144367 has 166 MA's), (19, 144433), (21, 144475), (23, 144499), (25, 144517), (30, 144556), (38, 144628), (39, 144643), (42, 144700), (44, 144706), (45, 144733), (49, 144808), (51, 144820), (59, 144895), (60, 144898), (69, 145006), (77, 145117), (82, 145204), (84, 145234), (85, 145252), (88, 145276), (90, 145291), (99, 145582), (100, 145642), (102, 145690), (103, 145699), (104, 145723), (106, 145873), (107, 145918), (108, 145948), (110, 146011), (113, 146026), (127, 146185), (133, 146209), (136, 146266), (150, 146461), (154, 146521), (166, 146632), (168, 146644), (172, 146695), (177, 146752), (193, 146899), (203, 147022), (205, 147049), (206, 147052), (207, 147055), (208, 147058), (215, 147115), (218, 147163), (228, 147223), (231, 147232), (242, 147343),

Gene: Rahel_255 Start: 145965, Stop: 148988, Start Num: 12

Candidate Starts for Rahel_255:

(2, 145683), (Start: 12 @145965 has 166 MA's), (19, 146031), (21, 146073), (23, 146097), (25, 146115), (30, 146154), (38, 146226), (39, 146241), (42, 146298), (44, 146304), (45, 146331), (49, 146406), (51, 146418), (59, 146493), (60, 146496), (69, 146604), (74, 146688), (77, 146715), (82, 146802), (84, 146832), (85, 146850), (88, 146874), (90, 146889), (99, 147180), (100, 147240), (102, 147288), (103, 147297), (105, 147369), (106, 147471), (107, 147516), (108, 147546), (110, 147609), (113, 147624), (127, 147783), (133, 147807), (136, 147864), (141, 147951), (150, 148059), (154, 148119), (166, 148230), (168, 148242), (170, 148251), (172, 148293), (177, 148350), (190, 148482), (193, 148497), (203, 148620), (205, 148647), (206, 148650), (207, 148653), (208, 148656), (215, 148713), (218, 148761), (228, 148821), (231, 148830), (242, 148941),

Gene: RedWattleHog_1 Start: 1, Stop: 2160, Start Num: 8

Candidate Starts for RedWattleHog_1:

(Start: 8 @1 has 2 MA's), (16, 58), (18, 76), (20, 109), (27, 172), (30, 202), (35, 262), (38, 274), (47, 415), (48, 451), (52, 475), (67, 637), (73, 694), (77, 763), (114, 880), (118, 925), (130, 1045), (133, 1054), (141, 1153), (142, 1156), (146, 1219), (150, 1258), (151, 1270), (172, 1504), (176, 1552), (178, 1591), (182, 1627), (183, 1633), (189, 1675), (196, 1789), (211, 1900), (212, 1936),

Gene: Rizal_242 Start: 143780, Stop: 146803, Start Num: 12

Candidate Starts for Rizal_242:

(2, 143498), (Start: 12 @143780 has 166 MA's), (19, 143846), (21, 143888), (23, 143912), (25, 143930), (30, 143969), (38, 144041), (39, 144056), (42, 144113), (44, 144119), (45, 144146), (49, 144221), (51, 144233), (59, 144308), (60, 144311), (69, 144419), (74, 144503), (77, 144530), (82, 144617), (84, 144647), (85, 144665), (88, 144689), (90, 144704), (99, 144995), (100, 145055), (102, 145103), (103, 145112), (105, 145184), (106, 145286), (107, 145331), (108, 145361), (110, 145424), (113, 145439), (127, 145598), (133, 145622), (136, 145679), (141, 145766), (150, 145874), (154, 145934), (166, 146045), (168, 146057), (170, 146066), (172, 146108), (177, 146165), (190, 146297), (193, 146312), (203, 146435), (205, 146462), (206, 146465), (207, 146468), (208, 146471), (215, 146528), (218, 146576), (228, 146636), (231, 146645), (242, 146756),

Gene: RoMag_248 Start: 145561, Stop: 148584, Start Num: 12

Candidate Starts for RoMag_248:

(2, 145279), (Start: 12 @145561 has 166 MA's), (19, 145627), (21, 145669), (23, 145693), (25, 145711), (30, 145750), (38, 145822), (39, 145837), (42, 145894), (44, 145900), (45, 145927), (49, 146002), (51, 146014), (59, 146089), (60, 146092), (69, 146200), (74, 146284), (77, 146311), (82, 146398), (84, 146428), (85, 146446), (88, 146470), (90, 146485), (99, 146776), (100, 146836), (102, 146884), (103, 146893), (104, 146917), (106, 147067), (107, 147112), (108, 147142), (110, 147205), (113, 147220), (127, 147379), (133, 147403), (136, 147460), (141, 147547), (150, 147655), (154, 147715), (166, 147826), (168, 147838), (170, 147847), (172, 147889), (177, 147946), (190, 148078), (193, 148093), (203, 148216), (205, 148243), (206, 148246), (207, 148249), (208, 148252), (215, 148309), (218, 148357), (228, 148417), (231, 148426), (242, 148537),

Gene: Ronan_249 Start: 143942, Stop: 146965, Start Num: 12

Candidate Starts for Ronan_249:

(Start: 12 @143942 has 166 MA's), (19, 144008), (21, 144050), (23, 144074), (25, 144092), (30, 144131), (38, 144203), (39, 144218), (42, 144275), (44, 144281), (45, 144308), (49, 144383), (51, 144395), (59, 144470), (60, 144473), (69, 144581), (74, 144665), (77, 144692), (82, 144779), (84, 144809), (85, 144827), (88, 144851), (90, 144866), (99, 145157), (100, 145217), (102, 145265), (103, 145274), (104, 145298), (106, 145448), (107, 145493), (108, 145523), (110, 145586), (113, 145601), (127, 145760), (133, 145784), (136, 145841), (141, 145928), (150, 146036), (154, 146096), (166, 146207), (168, 146219), (170, 146228), (172, 146270), (177, 146327), (190, 146459), (193, 146474), (203, 146597), (205, 146624), (206, 146627), (207, 146630), (208, 146633), (215, 146690), (218,

146738), (228, 146798), (231, 146807), (242, 146918),

Gene: Roots515_256 Start: 147106, Stop: 149322, Start Num: 12

Candidate Starts for Roots515_256:

(2, 146824), (Start: 12 @147106 has 166 MA's), (19, 147172), (21, 147214), (23, 147238), (25, 147256), (30, 147295), (38, 147367), (39, 147382), (42, 147439), (44, 147445), (45, 147472), (49, 147547), (51, 147559), (59, 147634), (60, 147637), (69, 147745), (74, 147829), (77, 147856), (82, 147943), (127, 148117), (133, 148141), (136, 148198), (141, 148285), (150, 148393), (154, 148453), (166, 148564), (168, 148576), (170, 148585), (172, 148627), (177, 148684), (190, 148816), (193, 148831), (203, 148954), (205, 148981), (206, 148984), (207, 148987), (208, 148990), (215, 149047), (218, 149095), (228, 149155), (231, 149164), (242, 149275),

Gene: SCentae_173 Start: 127166, Stop: 129370, Start Num: 14

Candidate Starts for SCentae_173:

(3, 126989), (4, 126992), (5, 127016), (Start: 14 @127166 has 2 MA's), (17, 127202), (19, 127211), (24, 127280), (30, 127334), (32, 127355), (38, 127406), (43, 127481), (44, 127484), (47, 127547), (50, 127595), (53, 127610), (59, 127673), (67, 127769), (69, 127784), (76, 127886), (77, 127895), (79, 127901), (82, 127982), (115, 128021), (118, 128057), (119, 128087), (130, 128168), (135, 128183), (137, 128237), (141, 128321), (143, 128330), (148, 128414), (149, 128417), (150, 128426), (152, 128456), (153, 128459), (157, 128558), (166, 128681), (172, 128744), (176, 128792), (182, 128867), (184, 128876), (207, 129095), (210, 129104), (220, 129215), (224, 129233), (227, 129257), (228, 129260), (233, 129299), (239, 129344),

Gene: Salacia_255 Start: 147430, Stop: 149646, Start Num: 12

Candidate Starts for Salacia_255:

(2, 147148), (Start: 12 @147430 has 166 MA's), (19, 147496), (21, 147538), (23, 147562), (25, 147580), (30, 147619), (38, 147691), (39, 147706), (42, 147763), (44, 147769), (45, 147796), (49, 147871), (51, 147883), (59, 147958), (60, 147961), (69, 148069), (74, 148153), (77, 148180), (82, 148267), (127, 148441), (133, 148465), (136, 148522), (141, 148609), (150, 148717), (154, 148777), (166, 148888), (168, 148900), (170, 148909), (172, 148951), (177, 149008), (190, 149140), (193, 149155), (203, 149278), (205, 149305), (206, 149308), (207, 149311), (208, 149314), (215, 149371), (218, 149419), (228, 149479), (231, 149488), (242, 149599),

Gene: Sauce_250 Start: 145289, Stop: 148312, Start Num: 12

Candidate Starts for Sauce_250:

(2, 145007), (Start: 12 @145289 has 166 MA's), (19, 145355), (21, 145397), (23, 145421), (25, 145439), (30, 145478), (38, 145550), (39, 145565), (42, 145622), (44, 145628), (45, 145655), (49, 145730), (51, 145742), (59, 145817), (60, 145820), (69, 145928), (74, 146012), (77, 146039), (82, 146126), (84, 146156), (85, 146174), (88, 146198), (90, 146213), (99, 146504), (100, 146564), (102, 146612), (103, 146621), (105, 146693), (106, 146795), (107, 146840), (108, 146870), (110, 146933), (113, 146948), (127, 147107), (133, 147131), (136, 147188), (141, 147275), (150, 147383), (154, 147443), (166, 147554), (168, 147566), (170, 147575), (172, 147617), (177, 147674), (190, 147806), (193, 147821), (203, 147944), (205, 147971), (206, 147974), (207, 147977), (208, 147980), (215, 148037), (218, 148085), (228, 148145), (231, 148154), (242, 148265),

Gene: ScoobyDoobyDoo_242 Start: 145108, Stop: 147399, Start Num: 7

Candidate Starts for ScoobyDoobyDoo_242:

(Start: 7 @145108 has 3 MA's), (22, 145240), (29, 145297), (37, 145366), (38, 145372), (41, 145438), (44, 145450), (49, 145552), (51, 145564), (52, 145573), (59, 145639), (62, 145672), (67, 145735), (68, 145741), (70, 145756), (79, 145867), (80, 145900), (81, 145912), (83, 145957), (117, 146017), (118, 146023), (120, 146083), (121, 146089), (124, 146095), (130, 146143), (131, 146149), (133, 146152), (136, 146209), (139, 146254), (141, 146296), (148, 146389), (150, 146401), (164, 146632), (171, 146698), (172, 146707), (182, 146827), (187, 146854), (193, 146911), (194, 146947), (201, 146998),

(206, 147052), (207, 147055), (220, 147172), (223, 147187), (230, 147223),

Gene: ScottMcG_245 Start: 144490, Stop: 147513, Start Num: 12

Candidate Starts for ScottMcG_245:

(2, 144208), (Start: 12 @144490 has 166 MA's), (19, 144556), (21, 144598), (23, 144622), (25, 144640), (30, 144679), (38, 144751), (39, 144766), (42, 144823), (44, 144829), (45, 144856), (49, 144931), (51, 144943), (59, 145018), (60, 145021), (69, 145129), (77, 145240), (82, 145327), (84, 145357), (85, 145375), (88, 145399), (90, 145414), (99, 145705), (100, 145765), (102, 145813), (103, 145822), (105, 145894), (106, 145996), (107, 146041), (108, 146071), (110, 146134), (113, 146149), (127, 146308), (133, 146332), (136, 146389), (141, 146476), (150, 146584), (154, 146644), (166, 146755), (168, 146767), (172, 146818), (177, 146875), (193, 147022), (203, 147145), (205, 147172), (206, 147175), (207, 147178), (208, 147181), (215, 147238), (218, 147286), (228, 147346), (231, 147355), (242, 147466),

Gene: Sebata_253 Start: 146149, Stop: 148365, Start Num: 12

Candidate Starts for Sebata_253:

(Start: 12 @146149 has 166 MA's), (19, 146215), (21, 146257), (23, 146281), (25, 146299), (30, 146338), (38, 146410), (39, 146425), (42, 146482), (44, 146488), (45, 146515), (49, 146590), (51, 146602), (59, 146677), (60, 146680), (69, 146788), (74, 146872), (77, 146899), (82, 146986), (127, 147160), (133, 147184), (136, 147241), (141, 147328), (150, 147436), (154, 147496), (166, 147607), (168, 147619), (172, 147670), (177, 147727), (193, 147874), (203, 147997), (205, 148024), (206, 148027), (207, 148030), (208, 148033), (215, 148090), (218, 148138), (228, 148198), (231, 148207), (242, 148318),

Gene: Settecandela_2 Start: 1651, Stop: 4911, Start Num: 9

Candidate Starts for Settecandela_2:

(Start: 9 @1651 has 2 MA's), (30, 1867), (36, 1930), (38, 1939), (41, 2005), (46, 2053), (48, 2116), (52, 2140), (58, 2203), (59, 2206), (61, 2245), (65, 2281), (66, 2299), (67, 2317), (69, 2332), (71, 2350), (75, 2422), (77, 2443), (78, 2446), (86, 2590), (89, 2617), (91, 2674), (92, 2698), (93, 2716), (94, 2770), (95, 2830), (96, 2851), (97, 2863), (98, 2890), (101, 3022), (108, 3283), (109, 3310), (111, 3349), (112, 3358), (122, 3517), (123, 3526), (126, 3559), (128, 3598), (129, 3616), (132, 3655), (134, 3661), (137, 3772), (140, 3835), (144, 3901), (147, 3955), (150, 3991), (155, 4102), (158, 4147), (162, 4171), (164, 4201), (170, 4234), (173, 4297), (174, 4300), (186, 4432), (191, 4492), (192, 4498), (196, 4552), (199, 4573), (201, 4588), (207, 4645), (208, 4648), (213, 4702), (226, 4807),

Gene: Shaqnato_244 Start: 144698, Stop: 147721, Start Num: 12

Candidate Starts for Shaqnato_244:

(2, 144416), (Start: 12 @144698 has 166 MA's), (19, 144764), (21, 144806), (23, 144830), (25, 144848), (30, 144887), (38, 144959), (39, 144974), (42, 145031), (44, 145037), (45, 145064), (49, 145139), (51, 145151), (59, 145226), (60, 145229), (69, 145337), (74, 145421), (77, 145448), (82, 145535), (84, 145565), (85, 145583), (88, 145607), (90, 145622), (99, 145913), (100, 145973), (102, 146021), (103, 146030), (105, 146102), (106, 146204), (107, 146249), (108, 146279), (110, 146342), (113, 146357), (127, 146516), (133, 146540), (136, 146597), (141, 146684), (150, 146792), (154, 146852), (166, 146963), (168, 146975), (170, 146984), (172, 147026), (177, 147083), (190, 147215), (193, 147230), (203, 147353), (205, 147380), (206, 147383), (207, 147386), (208, 147389), (215, 147446), (218, 147494), (228, 147554), (231, 147563), (242, 147674),

Gene: Shelob_254 Start: 147424, Stop: 149640, Start Num: 12

Candidate Starts for Shelob_254:

(2, 147142), (Start: 12 @147424 has 166 MA's), (19, 147490), (21, 147532), (23, 147556), (25, 147574), (30, 147613), (38, 147685), (39, 147700), (42, 147757), (44, 147763), (45, 147790), (49, 147865), (51, 147877), (59, 147952), (60, 147955), (69, 148063), (74, 148147), (77, 148174), (82, 148261), (127, 148435), (133, 148459), (136, 148516), (141, 148603), (150, 148711), (154, 148771),

(166, 148882), (168, 148894), (170, 148903), (172, 148945), (177, 149002), (190, 149134), (193, 149149), (203, 149272), (205, 149299), (206, 149302), (207, 149305), (208, 149308), (215, 149365), (218, 149413), (228, 149473), (231, 149482), (242, 149593),

Gene: ShiaLabeouf_251 Start: 145283, Stop: 147499, Start Num: 12

Candidate Starts for ShiaLabeouf_251:

(2, 145001), (Start: 12 @145283 has 166 MA's), (19, 145349), (21, 145391), (23, 145415), (25, 145433), (30, 145472), (38, 145544), (39, 145559), (42, 145616), (44, 145622), (45, 145649), (49, 145724), (51, 145736), (59, 145811), (60, 145814), (69, 145922), (74, 146006), (77, 146033), (82, 146120), (127, 146294), (133, 146318), (136, 146375), (141, 146462), (150, 146570), (154, 146630), (166, 146741), (168, 146753), (170, 146762), (172, 146804), (177, 146861), (190, 146993), (193, 147008), (203, 147131), (205, 147158), (206, 147161), (207, 147164), (208, 147167), (215, 147224), (218, 147272), (228, 147332), (231, 147341), (242, 147452),

Gene: Shifa_229 Start: 144757, Stop: 146973, Start Num: 12

Candidate Starts for Shifa_229:

(Start: 12 @144757 has 166 MA's), (19, 144823), (21, 144865), (23, 144889), (25, 144907), (30, 144946), (38, 145018), (39, 145033), (42, 145090), (44, 145096), (45, 145123), (49, 145198), (51, 145210), (59, 145285), (60, 145288), (69, 145396), (74, 145480), (77, 145507), (82, 145594), (127, 145768), (133, 145792), (136, 145849), (141, 145936), (150, 146044), (154, 146104), (166, 146215), (168, 146227), (172, 146278), (177, 146335), (193, 146482), (203, 146605), (205, 146632), (206, 146635), (207, 146638), (208, 146641), (215, 146698), (218, 146746), (228, 146806), (231, 146815), (242, 146926),

Gene: Shnickers_252 Start: 145347, Stop: 147563, Start Num: 12

Candidate Starts for Shnickers_252:

(2, 145065), (Start: 12 @145347 has 166 MA's), (19, 145413), (21, 145455), (23, 145479), (25, 145497), (30, 145536), (38, 145608), (39, 145623), (42, 145680), (44, 145686), (45, 145713), (49, 145788), (51, 145800), (59, 145875), (60, 145878), (69, 145986), (74, 146070), (77, 146097), (82, 146184), (127, 146358), (133, 146382), (136, 146439), (141, 146526), (150, 146634), (154, 146694), (166, 146805), (168, 146817), (170, 146826), (172, 146868), (177, 146925), (190, 147057), (193, 147072), (203, 147195), (205, 147222), (206, 147225), (207, 147228), (208, 147231), (215, 147288), (218, 147336), (228, 147396), (231, 147405), (242, 147516),

Gene: Shrimp_256 Start: 147041, Stop: 149257, Start Num: 12

Candidate Starts for Shrimp_256:

(2, 146759), (Start: 12 @147041 has 166 MA's), (19, 147107), (21, 147149), (23, 147173), (25, 147191), (30, 147230), (38, 147302), (39, 147317), (42, 147374), (44, 147380), (45, 147407), (49, 147482), (51, 147494), (59, 147569), (60, 147572), (69, 147680), (74, 147764), (77, 147791), (82, 147878), (127, 148052), (133, 148076), (136, 148133), (141, 148220), (150, 148328), (154, 148388), (166, 148499), (168, 148511), (172, 148562), (177, 148619), (193, 148766), (203, 148889), (205, 148916), (206, 148919), (207, 148922), (208, 148925), (215, 148982), (218, 149030), (228, 149090), (231, 149099), (242, 149210),

Gene: SilverDipper_258 Start: 146083, Stop: 149106, Start Num: 12

Candidate Starts for SilverDipper_258:

(2, 145801), (Start: 12 @146083 has 166 MA's), (19, 146149), (21, 146191), (23, 146215), (25, 146233), (30, 146272), (38, 146344), (39, 146359), (42, 146416), (44, 146422), (45, 146449), (49, 146524), (51, 146536), (59, 146611), (60, 146614), (69, 146722), (77, 146833), (82, 146920), (84, 146950), (85, 146968), (88, 146992), (90, 147007), (99, 147298), (100, 147358), (102, 147406), (103, 147415), (105, 147487), (106, 147589), (107, 147634), (108, 147664), (110, 147727), (113, 147742), (127, 147901), (133, 147925), (136, 147982), (141, 148069), (150, 148177), (166, 148348), (168, 148360), (172, 148411), (177, 148468), (193, 148615), (203, 148738), (205, 148765), (206, 148768),

(207, 148771), (208, 148774), (215, 148831), (218, 148879), (228, 148939), (231, 148948), (242, 149059),

Gene: Skog_6 Start: 3539, Stop: 5740, Start Num: 13

Candidate Starts for Skog_6:

(Start: 13 @3539 has 1 MA's), (17, 3575), (19, 3584), (24, 3653), (30, 3707), (32, 3728), (33, 3746), (34, 3764), (43, 3854), (44, 3857), (47, 3920), (50, 3968), (53, 3983), (59, 4046), (67, 4142), (69, 4157), (76, 4259), (77, 4268), (79, 4274), (82, 4355), (115, 4394), (117, 4424), (118, 4430), (119, 4460), (130, 4541), (135, 4556), (136, 4607), (137, 4610), (139, 4652), (141, 4694), (143, 4703), (148, 4787), (149, 4790), (150, 4799), (152, 4829), (157, 4931), (166, 5054), (172, 5117), (182, 5240), (207, 5468), (220, 5588), (224, 5606), (227, 5630), (228, 5633), (233, 5672), (236, 5702), (239, 5714),

Gene: SmallFry_254 Start: 145441, Stop: 148464, Start Num: 12

Candidate Starts for SmallFry_254:

(2, 145159), (Start: 12 @145441 has 166 MA's), (19, 145507), (21, 145549), (23, 145573), (25, 145591), (30, 145630), (38, 145702), (39, 145717), (42, 145774), (44, 145780), (45, 145807), (49, 145882), (51, 145894), (59, 145969), (60, 145972), (69, 146080), (74, 146164), (77, 146191), (82, 146278), (84, 146308), (85, 146326), (88, 146350), (90, 146365), (99, 146656), (100, 146716), (102, 146764), (103, 146773), (105, 146845), (106, 146947), (107, 146992), (108, 147022), (110, 147085), (113, 147100), (127, 147259), (133, 147283), (136, 147340), (141, 147427), (150, 147535), (154, 147595), (166, 147706), (168, 147718), (170, 147727), (172, 147769), (177, 147826), (190, 147958), (193, 147973), (203, 148096), (205, 148123), (206, 148126), (207, 148129), (208, 148132), (215, 148189), (218, 148237), (228, 148297), (231, 148306), (242, 148417),

Gene: Spec_247 Start: 145453, Stop: 148476, Start Num: 12

Candidate Starts for Spec_247:

(2, 145171), (Start: 12 @145453 has 166 MA's), (19, 145519), (21, 145561), (23, 145585), (25, 145603), (30, 145642), (38, 145714), (39, 145729), (42, 145786), (44, 145792), (45, 145819), (49, 145894), (51, 145906), (59, 145981), (60, 145984), (69, 146092), (74, 146176), (77, 146203), (82, 146290), (84, 146320), (85, 146338), (88, 146362), (90, 146377), (99, 146668), (100, 146728), (102, 146776), (103, 146785), (105, 146857), (106, 146959), (107, 147004), (108, 147034), (110, 147097), (113, 147112), (127, 147271), (133, 147295), (136, 147352), (141, 147439), (150, 147547), (154, 147607), (166, 147718), (168, 147730), (170, 147739), (172, 147781), (177, 147838), (190, 147970), (193, 147985), (203, 148108), (205, 148135), (206, 148138), (207, 148141), (208, 148144), (215, 148201), (218, 148249), (228, 148309), (231, 148318), (242, 148429),

Gene: Specks_258 Start: 146381, Stop: 149404, Start Num: 12

Candidate Starts for Specks_258:

(2, 146099), (Start: 12 @146381 has 166 MA's), (19, 146447), (21, 146489), (23, 146513), (25, 146531), (30, 146570), (38, 146642), (39, 146657), (42, 146714), (44, 146720), (45, 146747), (49, 146822), (51, 146834), (59, 146909), (60, 146912), (69, 147020), (74, 147104), (77, 147131), (82, 147218), (84, 147248), (85, 147266), (88, 147290), (90, 147305), (99, 147596), (100, 147656), (102, 147704), (103, 147713), (104, 147737), (106, 147887), (107, 147932), (108, 147962), (110, 148025), (113, 148040), (127, 148199), (133, 148223), (136, 148280), (141, 148367), (150, 148475), (154, 148535), (166, 148646), (168, 148658), (170, 148667), (172, 148709), (177, 148766), (190, 148898), (193, 148913), (203, 149036), (205, 149063), (206, 149066), (207, 149069), (208, 149072), (215, 149129), (218, 149177), (228, 149237), (231, 149246), (242, 149357),

Gene: Sprinklers_251 Start: 145149, Stop: 148172, Start Num: 12

Candidate Starts for Sprinklers_251:

(2, 144867), (Start: 12 @145149 has 166 MA's), (19, 145215), (21, 145257), (23, 145281), (25, 145299), (30, 145338), (38, 145410), (39, 145425), (42, 145482), (44, 145488), (45, 145515), (49, 145590), (51, 145602), (59, 145677), (60, 145680), (69, 145788), (74, 145872), (77, 145899), (82,

145986), (84, 146016), (85, 146034), (88, 146058), (90, 146073), (99, 146364), (100, 146424), (102, 146472), (103, 146481), (105, 146553), (106, 146655), (107, 146700), (108, 146730), (110, 146793), (113, 146808), (127, 146967), (133, 146991), (136, 147048), (141, 147135), (150, 147243), (154, 147303), (166, 147414), (168, 147426), (170, 147435), (172, 147477), (177, 147534), (190, 147666), (193, 147681), (203, 147804), (205, 147831), (206, 147834), (207, 147837), (208, 147840), (215, 147897), (218, 147945), (228, 148005), (231, 148014), (242, 148125),

Gene: Spud_245 Start: 144898, Stop: 147921, Start Num: 12

Candidate Starts for Spud_245:

(2, 144616), (Start: 12 @144898 has 166 MA's), (19, 144964), (21, 145006), (23, 145030), (25, 145048), (30, 145087), (38, 145159), (39, 145174), (42, 145231), (44, 145237), (45, 145264), (49, 145339), (51, 145351), (59, 145426), (60, 145429), (69, 145537), (74, 145621), (77, 145648), (82, 145735), (84, 145765), (85, 145783), (88, 145807), (90, 145822), (99, 146113), (100, 146173), (102, 146221), (103, 146230), (105, 146302), (106, 146404), (107, 146449), (108, 146479), (110, 146542), (113, 146557), (127, 146716), (133, 146740), (136, 146797), (141, 146884), (150, 146992), (154, 147052), (166, 147163), (168, 147175), (170, 147184), (172, 147226), (177, 147283), (190, 147415), (193, 147430), (203, 147553), (205, 147580), (206, 147583), (207, 147586), (208, 147589), (215, 147646), (218, 147694), (228, 147754), (231, 147763), (242, 147874),

Gene: SrishMeg2525_251 Start: 146536, Stop: 148752, Start Num: 12

Candidate Starts for SrishMeg2525_251:

(2, 146254), (Start: 12 @146536 has 166 MA's), (19, 146602), (21, 146644), (23, 146668), (25, 146686), (30, 146725), (38, 146797), (39, 146812), (42, 146869), (44, 146875), (45, 146902), (49, 146977), (51, 146989), (59, 147064), (60, 147067), (69, 147175), (74, 147259), (77, 147286), (82, 147373), (127, 147547), (133, 147571), (136, 147628), (141, 147715), (150, 147823), (154, 147883), (166, 147994), (168, 148006), (170, 148015), (172, 148057), (177, 148114), (190, 148246), (193, 148261), (203, 148384), (205, 148411), (206, 148414), (207, 148417), (208, 148420), (215, 148477), (218, 148525), (228, 148585), (231, 148594), (242, 148705),

Gene: StephanieG_247 Start: 146084, Stop: 149107, Start Num: 12

Candidate Starts for StephanieG_247:

(2, 145802), (Start: 12 @146084 has 166 MA's), (19, 146150), (21, 146192), (23, 146216), (25, 146234), (30, 146273), (38, 146345), (39, 146360), (42, 146417), (44, 146423), (45, 146450), (49, 146525), (51, 146537), (59, 146612), (60, 146615), (69, 146723), (74, 146807), (77, 146834), (82, 146921), (84, 146951), (85, 146969), (88, 146993), (90, 147008), (99, 147299), (100, 147359), (102, 147407), (103, 147416), (104, 147440), (106, 147590), (107, 147635), (108, 147665), (110, 147728), (113, 147743), (127, 147902), (133, 147926), (136, 147983), (141, 148070), (150, 148178), (154, 148238), (166, 148349), (168, 148361), (170, 148370), (172, 148412), (177, 148469), (190, 148601), (193, 148616), (203, 148739), (205, 148766), (206, 148769), (207, 148772), (208, 148775), (215, 148832), (218, 148880), (228, 148940), (231, 148949), (242, 149060),

Gene: Stormageddon_1 Start: 1, Stop: 2160, Start Num: 8

Candidate Starts for Stormageddon_1:

(Start: 8 @1 has 2 MA's), (16, 58), (18, 76), (20, 109), (27, 172), (30, 202), (35, 262), (38, 274), (47, 415), (48, 451), (52, 475), (67, 637), (73, 694), (77, 763), (114, 880), (118, 925), (130, 1045), (133, 1054), (141, 1153), (142, 1156), (146, 1219), (150, 1258), (151, 1270), (172, 1504), (176, 1552), (178, 1591), (182, 1627), (183, 1633), (189, 1675), (196, 1789), (211, 1900), (212, 1936),

Gene: Stubby_236 Start: 142869, Stop: 145892, Start Num: 12

Candidate Starts for Stubby_236:

(Start: 12 @142869 has 166 MA's), (19, 142935), (21, 142977), (23, 143001), (25, 143019), (30, 143058), (38, 143130), (39, 143145), (42, 143202), (44, 143208), (45, 143235), (49, 143310), (51, 143322), (59, 143397), (60, 143400), (69, 143508), (77, 143619), (82, 143706), (84, 143736), (85,

143754), (88, 143778), (90, 143793), (99, 144084), (100, 144144), (102, 144192), (103, 144201), (104, 144225), (106, 144375), (107, 144420), (108, 144450), (110, 144513), (113, 144528), (127, 144687), (133, 144711), (136, 144768), (141, 144855), (150, 144963), (154, 145023), (166, 145134), (168, 145146), (170, 145155), (172, 145197), (177, 145254), (193, 145401), (203, 145524), (205, 145551), (206, 145554), (207, 145557), (208, 145560), (215, 145617), (218, 145665), (228, 145725), (231, 145734), (242, 145845),

Gene: StubbySaigey_260 Start: 146066, Stop: 149089, Start Num: 12

Candidate Starts for StubbySaigey_260:

(2, 145784), (Start: 12 @146066 has 166 MA's), (19, 146132), (21, 146174), (23, 146198), (25, 146216), (30, 146255), (38, 146327), (39, 146342), (42, 146399), (44, 146405), (45, 146432), (49, 146507), (51, 146519), (59, 146594), (60, 146597), (69, 146705), (77, 146816), (82, 146903), (84, 146933), (85, 146951), (88, 146975), (90, 146990), (99, 147281), (100, 147341), (102, 147389), (103, 147398), (105, 147470), (106, 147572), (107, 147617), (108, 147647), (110, 147710), (113, 147725), (127, 147884), (133, 147908), (136, 147965), (141, 148052), (150, 148160), (154, 148220), (166, 148331), (168, 148343), (172, 148394), (177, 148451), (193, 148598), (203, 148721), (205, 148748), (206, 148751), (207, 148754), (208, 148757), (215, 148814), (218, 148862), (228, 148922), (231, 148931), (242, 149042),

Gene: Teardrop_252 Start: 145393, Stop: 148416, Start Num: 12

Candidate Starts for Teardrop_252:

(2, 145111), (Start: 12 @145393 has 166 MA's), (19, 145459), (21, 145501), (23, 145525), (25, 145543), (30, 145582), (38, 145654), (39, 145669), (42, 145726), (44, 145732), (45, 145759), (49, 145834), (51, 145846), (59, 145921), (60, 145924), (69, 146032), (74, 146116), (77, 146143), (82, 146230), (84, 146260), (85, 146278), (88, 146302), (90, 146317), (99, 146608), (100, 146668), (102, 146716), (103, 146725), (104, 146749), (106, 146899), (107, 146944), (108, 146974), (110, 147037), (113, 147052), (127, 147211), (133, 147235), (136, 147292), (141, 147379), (150, 147487), (154, 147547), (166, 147658), (168, 147670), (170, 147679), (172, 147721), (177, 147778), (191, 147916), (193, 147925), (203, 148048), (205, 148075), (206, 148078), (207, 148081), (208, 148084), (215, 148141), (218, 148189), (228, 148249), (231, 148258), (242, 148369),

Gene: TinyTim_252 Start: 145360, Stop: 147576, Start Num: 12

Candidate Starts for TinyTim_252:

(2, 145078), (Start: 12 @145360 has 166 MA's), (19, 145426), (21, 145468), (23, 145492), (25, 145510), (30, 145549), (38, 145621), (39, 145636), (42, 145693), (44, 145699), (45, 145726), (49, 145801), (51, 145813), (59, 145888), (60, 145891), (69, 145999), (74, 146083), (77, 146110), (82, 146197), (127, 146371), (133, 146395), (136, 146452), (141, 146539), (150, 146647), (154, 146707), (166, 146818), (168, 146830), (170, 146839), (172, 146881), (177, 146938), (190, 147070), (193, 147085), (203, 147208), (205, 147235), (206, 147238), (207, 147241), (208, 147244), (215, 147301), (218, 147349), (228, 147409), (231, 147418), (242, 147529),

Gene: Tonenili_275 Start: 150692, Stop: 152905, Start Num: 15

Candidate Starts for Tonenili_275:

(Start: 15 @150692 has 1 MA's), (19, 150749), (25, 150833), (32, 150893), (38, 150944), (39, 150959), (41, 151010), (42, 151016), (43, 151019), (49, 151124), (51, 151136), (54, 151151), (55, 151154), (59, 151211), (60, 151214), (74, 151406), (77, 151433), (82, 151520), (133, 151721), (136, 151778), (139, 151823), (150, 151973), (153, 152006), (168, 152156), (170, 152165), (172, 152207), (174, 152213), (177, 152264), (193, 152411), (203, 152534), (205, 152561), (206, 152564), (207, 152567), (208, 152570), (215, 152627), (216, 152630), (217, 152648), (228, 152735), (231, 152744), (232, 152768), (237, 152816), (241, 152843),

Gene: Tortoise16_251 Start: 145373, Stop: 147589, Start Num: 12

Candidate Starts for Tortoise16_251:

(2, 145091), (Start: 12 @145373 has 166 MA's), (19, 145439), (21, 145481), (23, 145505), (25, 145523), (30, 145562), (38, 145634), (39, 145649), (42, 145706), (44, 145712), (45, 145739), (49, 145814), (51, 145826), (59, 145901), (60, 145904), (69, 146012), (74, 146096), (77, 146123), (82, 146210), (127, 146384), (133, 146408), (136, 146465), (141, 146552), (150, 146660), (154, 146720), (166, 146831), (168, 146843), (170, 146852), (172, 146894), (177, 146951), (190, 147083), (193, 147098), (203, 147221), (205, 147248), (206, 147251), (207, 147254), (208, 147257), (215, 147314), (218, 147362), (228, 147422), (231, 147431), (242, 147542),

Gene: Trinitium_250 Start: 144114, Stop: 147137, Start Num: 12

Candidate Starts for Trinitium_250:

(2, 143832), (Start: 12 @144114 has 166 MA's), (19, 144180), (21, 144222), (23, 144246), (25, 144264), (30, 144303), (38, 144375), (39, 144390), (42, 144447), (44, 144453), (45, 144480), (49, 144555), (51, 144567), (59, 144642), (60, 144645), (69, 144753), (77, 144864), (82, 144951), (84, 144981), (85, 144999), (88, 145023), (90, 145038), (99, 145329), (100, 145389), (102, 145437), (103, 145446), (105, 145518), (106, 145620), (107, 145665), (108, 145695), (110, 145758), (113, 145773), (127, 145932), (133, 145956), (136, 146013), (141, 146100), (150, 146208), (154, 146268), (166, 146379), (168, 146391), (172, 146442), (177, 146499), (193, 146646), (203, 146769), (205, 146796), (206, 146799), (207, 146802), (208, 146805), (215, 146862), (218, 146910), (228, 146970), (231, 146979), (242, 147090),

Gene: Turret_244 Start: 143247, Stop: 146270, Start Num: 12

Candidate Starts for Turret_244:

(2, 142965), (Start: 12 @143247 has 166 MA's), (19, 143313), (21, 143355), (23, 143379), (25, 143397), (30, 143436), (38, 143508), (39, 143523), (42, 143580), (44, 143586), (45, 143613), (49, 143688), (51, 143700), (59, 143775), (60, 143778), (69, 143886), (77, 143997), (82, 144084), (84, 144114), (85, 144132), (88, 144156), (90, 144171), (99, 144462), (100, 144522), (102, 144570), (103, 144579), (105, 144651), (106, 144753), (107, 144798), (108, 144828), (110, 144891), (113, 144906), (127, 145065), (133, 145089), (136, 145146), (141, 145233), (150, 145341), (154, 145401), (166, 145512), (168, 145524), (172, 145575), (177, 145632), (193, 145779), (203, 145902), (205, 145929), (206, 145932), (207, 145935), (208, 145938), (215, 145995), (218, 146043), (228, 146103), (231, 146112), (242, 146223),

Gene: Tyke_250 Start: 147496, Stop: 149712, Start Num: 12

Candidate Starts for Tyke_250:

(2, 147214), (Start: 12 @147496 has 166 MA's), (19, 147562), (21, 147604), (23, 147628), (25, 147646), (30, 147685), (38, 147757), (39, 147772), (42, 147829), (44, 147835), (45, 147862), (49, 147937), (51, 147949), (59, 148024), (60, 148027), (69, 148135), (74, 148219), (77, 148246), (82, 148333), (127, 148507), (133, 148531), (136, 148588), (141, 148675), (150, 148783), (154, 148843), (166, 148954), (168, 148966), (170, 148975), (172, 149017), (177, 149074), (190, 149206), (193, 149221), (203, 149344), (205, 149371), (206, 149374), (207, 149377), (208, 149380), (215, 149437), (218, 149485), (228, 149545), (231, 149554), (242, 149665),

Gene: ValleyTerrace_254 Start: 144824, Stop: 147847, Start Num: 12

Candidate Starts for ValleyTerrace_254:

(2, 144542), (Start: 12 @144824 has 166 MA's), (19, 144890), (21, 144932), (23, 144956), (25, 144974), (30, 145013), (38, 145085), (39, 145100), (42, 145157), (44, 145163), (45, 145190), (49, 145265), (51, 145277), (59, 145352), (60, 145355), (69, 145463), (77, 145574), (82, 145661), (84, 145691), (85, 145709), (88, 145733), (90, 145748), (99, 146039), (100, 146099), (102, 146147), (103, 146156), (105, 146228), (106, 146330), (107, 146375), (108, 146405), (110, 146468), (113, 146483), (127, 146642), (133, 146666), (136, 146723), (141, 146810), (150, 146918), (166, 147089), (168, 147101), (172, 147152), (177, 147209), (193, 147356), (203, 147479), (205, 147506), (206, 147509), (207, 147512), (208, 147515), (215, 147572), (218, 147620), (228, 147680), (231, 147689), (242, 147800),

Gene: Wally_251 Start: 144808, Stop: 147831, Start Num: 12

Candidate Starts for Wally_251:

(2, 144526), (Start: 12 @144808 has 166 MA's), (19, 144874), (21, 144916), (23, 144940), (25, 144958), (30, 144997), (38, 145069), (39, 145084), (42, 145141), (44, 145147), (45, 145174), (49, 145249), (51, 145261), (59, 145336), (60, 145339), (69, 145447), (74, 145531), (77, 145558), (82, 145645), (84, 145675), (85, 145693), (88, 145717), (90, 145732), (99, 146023), (100, 146083), (102, 146131), (103, 146140), (105, 146212), (106, 146314), (107, 146359), (108, 146389), (110, 146452), (113, 146467), (127, 146626), (133, 146650), (136, 146707), (141, 146794), (150, 146902), (154, 146962), (166, 147073), (168, 147085), (172, 147136), (177, 147193), (193, 147340), (203, 147463), (205, 147490), (206, 147493), (207, 147496), (208, 147499), (215, 147556), (218, 147604), (228, 147664), (231, 147673), (242, 147784),

Gene: Willis_254 Start: 145747, Stop: 148770, Start Num: 12

Candidate Starts for Willis_254:

(2, 145465), (Start: 12 @145747 has 166 MA's), (19, 145813), (21, 145855), (23, 145879), (25, 145897), (30, 145936), (38, 146008), (39, 146023), (42, 146080), (44, 146086), (45, 146113), (49, 146188), (51, 146200), (59, 146275), (60, 146278), (69, 146386), (77, 146497), (82, 146584), (84, 146614), (85, 146632), (88, 146656), (90, 146671), (99, 146962), (100, 147022), (102, 147070), (103, 147079), (105, 147151), (106, 147253), (107, 147298), (108, 147328), (110, 147391), (113, 147406), (127, 147565), (133, 147589), (136, 147646), (141, 147733), (150, 147841), (166, 148012), (168, 148024), (172, 148075), (177, 148132), (193, 148279), (203, 148402), (205, 148429), (206, 148432), (207, 148435), (208, 148438), (215, 148495), (218, 148543), (228, 148603), (231, 148612), (242, 148723),

Gene: Yassified_249 Start: 144943, Stop: 147966, Start Num: 12

Candidate Starts for Yassified_249:

(Start: 12 @144943 has 166 MA's), (19, 145009), (21, 145051), (23, 145075), (25, 145093), (30, 145132), (38, 145204), (39, 145219), (42, 145276), (44, 145282), (45, 145309), (49, 145384), (51, 145396), (59, 145471), (60, 145474), (69, 145582), (74, 145666), (77, 145693), (82, 145780), (84, 145810), (85, 145828), (88, 145852), (90, 145867), (99, 146158), (100, 146218), (102, 146266), (103, 146275), (104, 146299), (106, 146449), (107, 146494), (108, 146524), (110, 146587), (113, 146602), (127, 146761), (133, 146785), (136, 146842), (141, 146929), (150, 147037), (154, 147097), (166, 147208), (168, 147220), (170, 147229), (172, 147271), (177, 147328), (190, 147460), (193, 147475), (203, 147598), (205, 147625), (206, 147628), (207, 147631), (208, 147634), (215, 147691), (218, 147739), (228, 147799), (231, 147808), (242, 147919),

Gene: YemiJoy2021_254 Start: 146478, Stop: 148694, Start Num: 12

Candidate Starts for YemiJoy2021_254:

(2, 146196), (Start: 12 @146478 has 166 MA's), (19, 146544), (21, 146586), (23, 146610), (25, 146628), (30, 146667), (38, 146739), (39, 146754), (42, 146811), (44, 146817), (45, 146844), (49, 146919), (51, 146931), (59, 147006), (60, 147009), (69, 147117), (74, 147201), (77, 147228), (82, 147315), (127, 147489), (133, 147513), (136, 147570), (141, 147657), (150, 147765), (154, 147825), (166, 147936), (168, 147948), (170, 147957), (172, 147999), (177, 148056), (190, 148188), (193, 148203), (203, 148326), (205, 148353), (206, 148356), (207, 148359), (208, 148362), (215, 148419), (218, 148467), (228, 148527), (231, 148536), (242, 148647),

Gene: YoungMoneyMata_253 Start: 145939, Stop: 148962, Start Num: 12

Candidate Starts for YoungMoneyMata_253:

(2, 145657), (Start: 12 @145939 has 166 MA's), (19, 146005), (21, 146047), (23, 146071), (25, 146089), (30, 146128), (38, 146200), (39, 146215), (42, 146272), (44, 146278), (45, 146305), (49, 146380), (51, 146392), (59, 146467), (60, 146470), (69, 146578), (77, 146689), (82, 146776), (84, 146806), (85, 146824), (88, 146848), (90, 146863), (99, 147154), (100, 147214), (102, 147262), (103,

147271), (105, 147343), (106, 147445), (107, 147490), (108, 147520), (110, 147583), (113, 147598), (127, 147757), (133, 147781), (136, 147838), (141, 147925), (150, 148033), (166, 148204), (168, 148216), (172, 148267), (177, 148324), (193, 148471), (203, 148594), (205, 148621), (206, 148624), (207, 148627), (208, 148630), (215, 148687), (218, 148735), (228, 148795), (231, 148804), (242, 148915),

Gene: Yucca_254 Start: 146919, Stop: 149135, Start Num: 12

Candidate Starts for Yucca_254:

(2, 146637), (Start: 12 @146919 has 166 MA's), (19, 146985), (21, 147027), (23, 147051), (25, 147069), (30, 147108), (38, 147180), (39, 147195), (42, 147252), (44, 147258), (45, 147285), (49, 147360), (51, 147372), (59, 147447), (60, 147450), (69, 147558), (74, 147642), (77, 147669), (82, 147756), (127, 147930), (133, 147954), (136, 148011), (141, 148098), (150, 148206), (154, 148266), (166, 148377), (168, 148389), (170, 148398), (172, 148440), (177, 148497), (190, 148629), (193, 148644), (203, 148767), (205, 148794), (206, 148797), (207, 148800), (208, 148803), (215, 148860), (218, 148908), (228, 148968), (231, 148977), (242, 149088),

Gene: Zalkecks_252 Start: 145576, Stop: 147792, Start Num: 12

Candidate Starts for Zalkecks_252:

(2, 145294), (Start: 12 @145576 has 166 MA's), (19, 145642), (21, 145684), (23, 145708), (25, 145726), (30, 145765), (38, 145837), (39, 145852), (42, 145909), (44, 145915), (45, 145942), (49, 146017), (51, 146029), (59, 146104), (60, 146107), (69, 146215), (74, 146299), (77, 146326), (82, 146413), (127, 146587), (133, 146611), (136, 146668), (141, 146755), (150, 146863), (154, 146923), (166, 147034), (168, 147046), (170, 147055), (172, 147097), (177, 147154), (190, 147286), (193, 147301), (203, 147424), (205, 147451), (206, 147454), (207, 147457), (208, 147460), (215, 147517), (218, 147565), (228, 147625), (231, 147634), (242, 147745),

Gene: Zeenon_254 Start: 146110, Stop: 148326, Start Num: 12

Candidate Starts for Zeenon_254:

(2, 145828), (Start: 12 @146110 has 166 MA's), (19, 146176), (21, 146218), (23, 146242), (25, 146260), (30, 146299), (38, 146371), (39, 146386), (42, 146443), (44, 146449), (45, 146476), (49, 146551), (51, 146563), (59, 146638), (60, 146641), (69, 146749), (74, 146833), (77, 146860), (82, 146947), (127, 147121), (133, 147145), (136, 147202), (141, 147289), (150, 147397), (154, 147457), (166, 147568), (168, 147580), (170, 147589), (172, 147631), (177, 147688), (190, 147820), (193, 147835), (203, 147958), (205, 147985), (206, 147988), (207, 147991), (208, 147994), (215, 148051), (218, 148099), (228, 148159), (231, 148168), (242, 148279),

Gene: ZygoTaiga_250 Start: 147216, Stop: 150239, Start Num: 12

Candidate Starts for ZygoTaiga_250:

(2, 146934), (Start: 12 @147216 has 166 MA's), (19, 147282), (21, 147324), (23, 147348), (25, 147366), (30, 147405), (38, 147477), (39, 147492), (42, 147549), (44, 147555), (45, 147582), (49, 147657), (51, 147669), (59, 147744), (60, 147747), (69, 147855), (74, 147939), (77, 147966), (82, 148053), (84, 148083), (85, 148101), (88, 148125), (90, 148140), (99, 148431), (100, 148491), (102, 148539), (103, 148548), (104, 148572), (106, 148722), (107, 148767), (108, 148797), (110, 148860), (113, 148875), (127, 149034), (133, 149058), (136, 149115), (141, 149202), (150, 149310), (154, 149370), (166, 149481), (168, 149493), (170, 149502), (172, 149544), (177, 149601), (190, 149733), (193, 149748), (203, 149871), (205, 149898), (206, 149901), (207, 149904), (208, 149907), (215, 149964), (218, 150012), (228, 150072), (231, 150081), (242, 150192),