

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 224291 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224291 has 212 members, 28 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_2, Phrappuccino_2
- Track 2 : JPickles_251, Blackbrain_252, Cactojaque_248, JustHall_247, Essence_251, ChaylaJr_252, Basquiat_251, ChickenPhender_249, Chargie21_251, EasyJones_254, 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, InigoMontoya_257, Ading_256, SilverDipper_258, GlutenPhree_252, Quasimodo_256
- Track 4 : Grungle_235, Koguma_252, FrayBell_256, Izajani_249, Issimir_247, Mikro_247, Nidhogg_254, LolaVinca_249, ZygoTaiga_250, Iota_250, LordLeafolot_255, Specks_258, Tainan_253, NoodleTree_249, Halldule_245, InterFolia_255, Lee7_254
- Track 5 : StubbySaigey_260, Dietrick_242, ScottMcG_245, Melpomini_248, Ablatia_252, Kboogie_257, Janiyra_257, Napoleon13_250, BackyardAgain_248, Turret_244, Catera_242, McGee_255, Littleton_257, EmmaElysia_258, Trinitium_250
- Track 6 : LinStu_250
- Track 7 : Blackdragon_248
- Track 8 : 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 9 : Ewok_252, EmToTheThree_254, Demodog_261, Daffodil_259, Loanshark_250, DTDevon_254, Bangla1971_254, TinyTim_252, Roots515_256, Delylah_255, Erdmann_255, Dandelion_259, JigglyPuff_259, NedWong_252, Adlitam_253, ShiaLabeouf_251, Pio_260, MoMoMixon_249, Burrough_254, DrPhinkDaddy_250, Nappy_252, Tortoise16_251, Zeenon_254, Megamind_250, Gizmo_259, Bread_250, Yucca_254, Concombre_259, Ava3_250, MikeLiesIn_254, ParkTD_252, Shelob_254, Bipolarisk_251, Delilah_251, FoxtrotP1_252, Maby2021_254, Zalkecks_252, Norm_253, Tyke_250, Phox_254, FudgeTart_249, Shnickers_252, Salacia_255, Fongie_253, Bxz1_239, YemiJoy2021_254, Caravan_243, SrishMeg2525_251, Asterius_254, Pleione_257
- Track 10 : Pier_252
- Track 11 : IkeLoa_247, RoMag_248, Kamryn_252, Lukilu_242, BadAgartude_247, StephanieG_247
- Track 12 : Shifa_229, Sebata_253, JayJay_253, HyRo_238
- Track 13 : Darko_253, Mangeria_253, BananaFence_251

- Track 14 : PurduePete_254, Jessibeth14_253, McWolfish_250, Khaleesi_252, SVoro_249
- Track 15 : Colt_244
- Track 16 : JulietS_245, Yassified_249, Ronan_249, ET08_239
- Track 17 : Grasshills_260, EggyFarm_261, BigCity_261
- Track 18 : Jezreel_249
- Track 19 : DeejaClivia_240
- Track 20 : Sauce_250, QBert_245
- Track 21 : Cane17_243
- Track 22 : Stubby_236, Alice_239
- Track 23 : Domi_247
- Track 24 : Patter_255
- Track 25 : Bigswole_258, Lethe_254, Guwapp_249, BeanWater_246
- Track 26 : l3_263
- Track 27 : Bonray_256
- Track 28 : Cali_243
- Track 29 : Tonenili_275
- Track 30 : Astraea_249, Primadonna_249
- Track 31 : Pinkcreek_233
- Track 32 : Belieber_247
- Track 33 : DirtMonster_242
- Track 34 : Blubba_241
- Track 35 : ErnieJ_247
- Track 36 : Rabinovish_246
- Track 37 : Shrimp_256
- Track 38 : Chomp_252
- Track 39 : NuevoMundo_255
- Track 40 : Teardrop_252
- Track 41 : ScoobyDoobyDoo_242
- Track 42 : Greely_254
- Track 43 : Myrna_246
- Track 44 : Phabba_256
- Track 45 : CherryTomatoes_175
- Track 46 : Pupper_174, SCentae_173
- Track 47 : Skog_6
- Track 48 : Stormageddon_1, RedWattleHog_1
- Track 49 : Finch_1
- Track 50 : JeanGrey_1
- Track 51 : 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 171 of the 184 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_252, Ading_256, Adlitam_253, Alice_239, Amataga_254, ArcherS7_254, Asterius_254, Astraea_249, Atlantean_253, Audrick_256, Ava3_250, Babyland_256, BackyardAgain_248, BadAgartude_247, BananaFence_251, Bangla1971_254, Basquiat_251, BeanWater_246, Belieber_247, BigCity_261, Bigswole_258,

Bipolarisk_251, Blackbrain_252, Blackdragon_248, Blubba_241, 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_252, CindyLou_254, Colt_244, Concombre_259, DTDevon_254, Daffodil_259, Dandelion_259, Darko_253, DeejaClivia_240, Delilah_251, Delylah_255, Demodog_261, Derek_249, Dietrick_242, DirtMonster_242, Domi_247, 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, Fongie_253, FoxtrotP1_252, FrayBell_256, FudgeTart_249, Gabriel_256, Gamgam_255, Ghost_253, Gizmo_259, GlutenPhree_252, Grasshills_260, Grungle_235, Guwapp_249, Halldule_245, HyRo_238, I3_263, IkeLoa_247, InigoMontoya_257, InterFolia_255, Iota_250, Issimir_247, Izajani_249, JPickles_251, Janiyra_257, JayJay_253, Jaygup_250, Jedediah_255, Jemmno_253, Jessibeth14_253, Jezreel_249, JigglyPuff_259, JulietS_245, JustHall_247, Kamryn_252, Kboogie_257, Khaleesi_252, Koguma_252, LRRHood_245, Latch_253, Lee7_254, Lethe_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, Primadonna_249, PurduePete_254, QBert_245, Quasimodo_256, Rabinovish_246, Rahel_255, Rizal_242, RoMag_248, Ronan_249, Roots515_256, SVoro_249, Salacia_255, Sauce_250, ScottMcG_245, Sebata_253, Shaqnato_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, Tainan_253, 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_175, 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 212 (1.9%) of genes in pham
- Manual Annotations of this start: 3 of 184
- 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 212 (0.9%) of genes in pham

- Manual Annotations of this start: 2 of 184
- 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 212 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 184
- 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 212 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp5 (singleton), Finch_1 (singleton),

Start 11:

- Found in 3 of 212 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: JeanGrey_1 (singleton),

Start 12:

- Found in 196 of 212 (92.5%) of genes in pham
- Manual Annotations of this start: 171 of 184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia_252 (C1), Ading_256 (C1), Adlitam_253 (C1), Alice_239 (C1), Amataga_254 (C1), ArcherS7_254 (C1), Asterius_254 (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), Belieber_247 (C1), BigCity_261 (C1), Bigswole_258 (C1), Bipolarisk_251 (C1), Blackbrain_252 (C1), Blackdragon_248 (C1), Blubba_241 (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_252 (C1), CindyLou_254 (C1), Colt_244 (C1), Concombre_259 (C1), DTDevon_254 (C1), Daffodil_259 (C1), Dandelion_259 (C1), Darko_253 (C1), DeejaClivia_240 (C1), Delilah_251 (C1), Delylah_255 (C1), Demodog_261 (C1), Derek_249 (C1), Dietrick_242 (C1), DirtMonster_242 (C1), Domi_247 (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), Fongie_253 (C1), FoxtrotP1_252 (C1), FrayBell_256 (C1), FudgeTart_249 (C1), Gabriel_256 (C1), Gamgam_255 (C1), Ghost_253 (C1), Gizmo_259 (C1), GlutenPhree_252 (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_247 (C1), Izajani_249 (C1), JPickles_251 (C1), Janiyr_257 (C1), JayJay_253 (C1), Jaygup_250 (C1), Jedediah_255 (C1), Jemmno_253 (C1), Jessibeth14_253 (C1),

Jezreel_249 (C1), JigglyPuff_259 (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), Lethe_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), Primadonna_249 (C1), PurduePete_254 (C1), QBert_245 (C1), Quasimodo_256 (C1), Rabinovish_246 (C1), Rahel_255 (C1), Rizal_242 (C1), RoMag_248 (C1), Ronan_249 (C1), Roots515_256 (C1), SVoro_249 (C1), Salacia_255 (C1), Sauce_250 (C1), ScottMcG_245 (C1), Sebata_253 (C1), Shaq nato_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), Tainan_253 (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 212 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Skog_6 (DO),

Start 14:

- Found in 3 of 212 (1.4%) of genes in pham
- Manual Annotations of this start: 2 of 184
- 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 212 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 184
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonenili_275 (C1),

Start 19:

- Found in 204 of 212 (96.2%) of genes in pham
- Manual Annotations of this start: 1 of 184
- Called 0.5% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_175 (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 171 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.
- Start number 19 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DX:

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

Gene Information:

Gene: Ablatia_252 Start: 145237, Stop: 148260, Start Num: 12

Candidate Starts for Ablatia_252:

(2, 144955), (Start: 12 @145237 has 171 MA's), (Start: 19 @145303 has 1 MA's), (21, 145345), (23, 145369), (25, 145387), (30, 145426), (38, 145498), (39, 145513), (42, 145570), (44, 145576), (45, 145603), (49, 145678), (51, 145690), (59, 145765), (60, 145768), (69, 145876), (77, 145987), (82, 146074), (84, 146104), (85, 146122), (88, 146146), (90, 146161), (99, 146452), (100, 146512), (102, 146560), (103, 146569), (105, 146641), (106, 146743), (107, 146788), (108, 146818), (110, 146881), (113, 146896), (127, 147055), (134, 147079), (136, 147136), (141, 147223), (150, 147331), (154, 147391), (166, 147502), (168, 147514), (172, 147565), (177, 147622), (193, 147769), (203, 147892), (205, 147919), (206, 147922), (207, 147925), (208, 147928), (215, 147985), (218, 148033), (228, 148093), (231, 148102), (242, 148213),

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

Candidate Starts for Ading_256:

(2, 147388), (Start: 12 @147670 has 171 MA's), (Start: 19 @147736 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145891 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @142967 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146635 has 1 MA's), (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), (134, 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_254 Start: 145682, Stop: 147898, Start Num: 12

Candidate Starts for Asterius_254:

(2, 145400), (Start: 12 @145682 has 171 MA's), (Start: 19 @145748 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144943 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144780 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145350 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145667 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143040 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144952 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145572 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145599 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143858 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144735 has 1 MA's), (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), (134, 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: Belieber_247 Start: 143919, Stop: 146942, Start Num: 12

Candidate Starts for Belieber_247:

(2, 143637), (Start: 12 @143919 has 171 MA's), (Start: 19 @143985 has 1 MA's), (21, 144027), (23, 144051), (25, 144069), (30, 144108), (38, 144180), (39, 144195), (42, 144252), (44, 144258), (45, 144285), (49, 144360), (51, 144372), (59, 144447), (60, 144450), (69, 144558), (77, 144669), (82, 144756), (84, 144786), (85, 144804), (88, 144828), (90, 144843), (99, 145134), (100, 145194), (102, 145242), (103, 145251), (105, 145323), (106, 145425), (107, 145470), (108, 145500), (110, 145563), (113, 145578), (127, 145737), (134, 145761), (136, 145818), (141, 145905), (150, 146013), (154, 146073), (166, 146184), (168, 146196), (170, 146205), (172, 146247), (177, 146304), (190, 146436), (193, 146451), (203, 146574), (205, 146601), (206, 146604), (207, 146607), (208, 146610), (215, 146667), (218, 146715), (228, 146775), (231, 146784), (242, 146895),

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

Candidate Starts for BigCity_261:

(2, 147142), (Start: 12 @147424 has 171 MA's), (Start: 19 @147490 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147401 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145618 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145635 has 1 MA's), (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), (134, 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: Blackdragon_248 Start: 145117, Stop: 148140, Start Num: 12

Candidate Starts for Blackdragon_248:

(2, 144835), (Start: 12 @145117 has 171 MA's), (Start: 19 @145183 has 1 MA's), (21, 145225), (23, 145249), (25, 145267), (30, 145306), (38, 145378), (39, 145393), (42, 145450), (44, 145456), (45, 145483), (49, 145558), (51, 145570), (59, 145645), (60, 145648), (69, 145756), (74, 145840), (77, 145867), (82, 145954), (84, 145984), (85, 146002), (88, 146026), (90, 146041), (99, 146332), (100, 146392), (102, 146440), (103, 146449), (105, 146521), (106, 146623), (107, 146668), (108, 146698), (110, 146761), (113, 146776), (127, 146935), (134, 146959), (136, 147016), (141, 147103), (150, 147211), (154, 147271), (166, 147382), (168, 147394), (172, 147445), (177, 147502), (193, 147649), (203, 147772), (205, 147799), (206, 147802), (207, 147805), (208, 147808), (215, 147865), (218, 147913), (228, 147973), (231, 147982), (242, 148093),

Gene: Blubba_241 Start: 148830, Stop: 151853, Start Num: 12

Candidate Starts for Blubba_241:

(Start: 12 @148830 has 171 MA's), (Start: 19 @148896 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147435 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145402 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144390 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146763 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146967 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144581 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145360 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @149305 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147614 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145664 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144103 has 1 MA's), (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), (134, 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: Charge21_251 Start: 143792, Stop: 146815, Start Num: 12

Candidate Starts for Charge21_251:

(2, 143510), (Start: 12 @143792 has 171 MA's), (Start: 19 @143858 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145126 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144800 has 1 MA's), (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), (134, 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_175 Start: 126776, Stop: 128935, Start Num: 19

Candidate Starts for CherryTomatoes_175:

(3, 126554), (4, 126557), (5, 126581), (Start: 14 @126731 has 2 MA's), (17, 126767), (Start: 19 @126776 has 1 MA's), (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 171 MA's), (Start: 19 @143556 has 1 MA's), (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), (134, 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_252 Start: 146926, Stop: 149949, Start Num: 12

Candidate Starts for Chomp_252:

(2, 146644), (Start: 12 @146926 has 171 MA's), (Start: 19 @146992 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147252 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @148497 has 1 MA's), (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), (134, 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: Concombres_259 Start: 147531, Stop: 149747, Start Num: 12

Candidate Starts for Concombres_259:

(2, 147249), (Start: 12 @147531 has 171 MA's), (Start: 19 @147597 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147631 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145918 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @148452 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145576 has 1 MA's), (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), (134, 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: DeejaClivia_240 Start: 143253, Stop: 145469, Start Num: 12

Candidate Starts for DeejaClivia_240:

(Start: 12 @143253 has 171 MA's), (Start: 19 @143319 has 1 MA's), (21, 143361), (23, 143385), (25, 143403), (30, 143442), (38, 143514), (39, 143529), (42, 143586), (44, 143592), (45, 143619), (49, 143694), (51, 143706), (59, 143781), (60, 143784), (69, 143892), (74, 143976), (77, 144003), (82, 144090), (127, 144264), (134, 144288), (136, 144345), (141, 144432), (150, 144540), (154, 144600), (166, 144711), (168, 144723), (172, 144774), (177, 144831), (190, 144963), (193, 144978), (203, 145101), (205, 145128), (206, 145131), (207, 145134), (208, 145137), (215, 145194), (218, 145242), (228, 145302), (231, 145311), (242, 145422),

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

Candidate Starts for Delilah_251:

(2, 145663), (Start: 12 @145945 has 171 MA's), (Start: 19 @146011 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146288 has 1 MA's), (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), (134, 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: Demodog_261 Start: 147541, Stop: 149757, Start Num: 12

Candidate Starts for Demodog_261:

(2, 147259), (Start: 12 @147541 has 171 MA's), (Start: 19 @147607 has 1 MA's), (21, 147649), (23, 147673), (25, 147691), (30, 147730), (38, 147802), (39, 147817), (42, 147874), (44, 147880), (45, 147907), (49, 147982), (51, 147994), (59, 148069), (60, 148072), (69, 148180), (74, 148264), (77, 148291), (82, 148378), (127, 148552), (134, 148576), (136, 148633), (141, 148720), (150, 148828), (154, 148888), (166, 148999), (168, 149011), (170, 149020), (172, 149062), (177, 149119), (190, 149251), (193, 149266), (203, 149389), (205, 149416), (206, 149419), (207, 149422), (208, 149425), (215, 149482), (218, 149530), (228, 149590), (231, 149599), (242, 149710),

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

Candidate Starts for Derek_249:

(2, 145921), (Start: 12 @146203 has 171 MA's), (Start: 19 @146269 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144132 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144864 has 1 MA's), (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), (134, 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: Domi_247 Start: 145405, Stop: 148428, Start Num: 12

Candidate Starts for Domi_247:

(2, 145123), (Start: 12 @145405 has 171 MA's), (Start: 19 @145471 has 1 MA's), (21, 145513), (23, 145537), (25, 145555), (30, 145594), (38, 145666), (39, 145681), (42, 145738), (44, 145744), (45, 145771), (49, 145846), (51, 145858), (59, 145933), (60, 145936), (69, 146044), (74, 146128), (77, 146155), (82, 146242), (84, 146272), (85, 146290), (88, 146314), (90, 146329), (99, 146620), (100, 146680), (102, 146728), (103, 146737), (104, 146761), (106, 146911), (107, 146956), (108, 146986), (110, 147049), (113, 147064), (127, 147223), (134, 147247), (136, 147304), (141, 147391), (150, 147499), (154, 147559), (166, 147670), (168, 147682), (172, 147733), (177, 147790), (193, 147937), (203, 148060), (205, 148087), (206, 148090), (207, 148093), (208, 148096), (215, 148153), (218, 148201), (228, 148261), (231, 148270), (242, 148381),

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

Candidate Starts for DrPhinkDaddy_250:

(2, 146348), (Start: 12 @146630 has 171 MA's), (Start: 19 @146696 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146276 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144600 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144652 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147491 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146484 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147147 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146452 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143280 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145488 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145946 has 1 MA's), (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), (134, 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), (132, 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 171 MA's), (Start: 19 @142545 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144364 has 1 MA's), (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), (134, 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: Fongie_253 Start: 145878, Stop: 148094, Start Num: 12

Candidate Starts for Fongie_253:

(2, 145596), (Start: 12 @145878 has 171 MA's), (Start: 19 @145944 has 1 MA's), (21, 145986), (23, 146010), (25, 146028), (30, 146067), (38, 146139), (39, 146154), (42, 146211), (44, 146217), (45, 146244), (49, 146319), (51, 146331), (59, 146406), (60, 146409), (69, 146517), (74, 146601), (77, 146628), (82, 146715), (127, 146889), (134, 146913), (136, 146970), (141, 147057), (150, 147165), (154, 147225), (166, 147336), (168, 147348), (170, 147357), (172, 147399), (177, 147456), (190, 147588), (193, 147603), (203, 147726), (205, 147753), (206, 147756), (207, 147759), (208, 147762), (215, 147819), (218, 147867), (228, 147927), (231, 147936), (242, 148047),

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

Candidate Starts for FoxtrotP1_252:

(2, 146690), (Start: 12 @146972 has 171 MA's), (Start: 19 @147038 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144495 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145542 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144523 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144880 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145504 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @148369 has 1 MA's), (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), (134, 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: GlutenPhree_252 Start: 144825, Stop: 147848, Start Num: 12

Candidate Starts for GlutenPhree_252:

(2, 144543), (Start: 12 @144825 has 171 MA's), (Start: 19 @144891 has 1 MA's), (21, 144933), (23, 144957), (25, 144975), (30, 145014), (38, 145086), (39, 145101), (42, 145158), (44, 145164), (45, 145191), (49, 145266), (51, 145278), (59, 145353), (60, 145356), (69, 145464), (77, 145575), (82, 145662), (84, 145692), (85, 145710), (88, 145734), (90, 145749), (99, 146040), (100, 146100), (102, 146148), (103, 146157), (105, 146229), (106, 146331), (107, 146376), (108, 146406), (110, 146469), (113, 146484), (127, 146643), (134, 146667), (136, 146724), (141, 146811), (150, 146919), (166, 147090), (168, 147102), (172, 147153), (177, 147210), (193, 147357), (203, 147480), (205, 147507), (206, 147510), (207, 147513), (208, 147516), (215, 147573), (218, 147621), (228, 147681), (231, 147690), (242, 147801),

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

Candidate Starts for Grasshills_260:

(2, 147142), (Start: 12 @147424 has 171 MA's), (Start: 19 @147490 has 1 MA's), (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), (134, 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), (Start: 19 @148862 has 1 MA's), (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 171 MA's), (Start: 19 @142769 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144338 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143951 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144855 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146646 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145236 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145554 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146300 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145266 has 1 MA's), (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), (134, 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_247 Start: 145575, Stop: 148598, Start Num: 12

Candidate Starts for Issimir_247:

(2, 145293), (Start: 12 @145575 has 171 MA's), (Start: 19 @145641 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146086 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144691 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146228 has 1 MA's), (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), (134, 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_253 Start: 144961, Stop: 147177, Start Num: 12

Candidate Starts for JayJay_253:

(Start: 12 @144961 has 171 MA's), (Start: 19 @145027 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145413 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146466 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145185 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146661 has 1 MA's), (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), (134, 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: Jezreel_249 Start: 145664, Stop: 148687, Start Num: 12

Candidate Starts for Jezreel_249:

(11, 145658), (Start: 12 @145664 has 171 MA's), (Start: 19 @145730 has 1 MA's), (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), (134, 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: JigglyPuff_259 Start: 147090, Stop: 149306, Start Num: 12

Candidate Starts for JigglyPuff_259:

(2, 146808), (Start: 12 @147090 has 171 MA's), (Start: 19 @147156 has 1 MA's), (21, 147198), (23, 147222), (25, 147240), (30, 147279), (38, 147351), (39, 147366), (42, 147423), (44, 147429), (45, 147456), (49, 147531), (51, 147543), (59, 147618), (60, 147621), (69, 147729), (74, 147813), (77, 147840), (82, 147927), (127, 148101), (134, 148125), (136, 148182), (141, 148269), (150, 148377), (154, 148437), (166, 148548), (168, 148560), (170, 148569), (172, 148611), (177, 148668), (190, 148800), (193, 148815), (203, 148938), (205, 148965), (206, 148968), (207, 148971), (208, 148974), (215, 149031), (218, 149079), (228, 149139), (231, 149148), (242, 149259),

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

Candidate Starts for JulietS_245:

(Start: 12 @142699 has 171 MA's), (Start: 19 @142765 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144715 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146305 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145344 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146128 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144927 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144337 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147991 has 1 MA's), (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), (134, 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: Lethe_254 Start: 146646, Stop: 148862, Start Num: 12

Candidate Starts for Lethe_254:

(2, 146364), (Start: 12 @146646 has 171 MA's), (Start: 19 @146712 has 1 MA's), (21, 146754), (23, 146778), (25, 146796), (30, 146835), (38, 146907), (39, 146922), (42, 146979), (44, 146985), (45, 147012), (49, 147087), (51, 147099), (59, 147174), (60, 147177), (69, 147285), (74, 147369), (77, 147396), (82, 147483), (127, 147657), (134, 147681), (136, 147738), (141, 147825), (150, 147933), (154, 147993), (166, 148104), (168, 148116), (170, 148125), (172, 148167), (177, 148224), (190, 148356), (193, 148371), (203, 148494), (205, 148521), (206, 148524), (207, 148527), (208, 148530), (215, 148587), (218, 148635), (228, 148695), (231, 148704), (242, 148815),

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

Candidate Starts for LifeSavor_254:

(2, 145770), (Start: 12 @146052 has 171 MA's), (Start: 19 @146118 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144219 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146127 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145477 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145730 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145343 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146346 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147030 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146241 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145332 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145678 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145339 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145664 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144424 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146800 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147243 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145759 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144706 has 1 MA's), (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), (134, 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), (Start: 19 @148837 has 1 MA's), (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 171 MA's), (Start: 19 @145593 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144622 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146699 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147373 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146051 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144575 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146419 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @141170 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146320 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146806 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145550 has 1 MA's), (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), (134, 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), (Start: 19 @148226 has 1 MA's), (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 171 MA's), (Start: 19 @146296 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145545 has 1 MA's), (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), (134, 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), (131, 3655), (133, 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 171 MA's), (Start: 19 @145128 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146421 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @142747 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147624 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145593 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146356 has 1 MA's), (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), (134, 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: Primadonna_249 Start: 145639, Stop: 148662, Start Num: 12

Candidate Starts for Primadonna_249:

(2, 145357), (Start: 12 @145639 has 171 MA's), (Start: 19 @145705 has 1 MA's), (21, 145747), (23, 145771), (25, 145789), (30, 145828), (38, 145900), (39, 145915), (42, 145972), (44, 145978), (45, 146005), (49, 146080), (51, 146092), (59, 146167), (60, 146170), (69, 146278), (74, 146362), (77, 146389), (82, 146476), (84, 146506), (85, 146524), (88, 146548), (90, 146563), (99, 146854), (100, 146914), (102, 146962), (103, 146971), (104, 146995), (106, 147145), (107, 147190), (108, 147220), (110, 147283), (113, 147298), (127, 147457), (134, 147481), (136, 147538), (141, 147625), (150, 147733), (154, 147793), (166, 147904), (168, 147916), (172, 147967), (177, 148024), (193, 148171), (203, 148294), (205, 148321), (206, 148324), (207, 148327), (208, 148330), (215, 148387), (218, 148435), (228, 148495), (231, 148504), (242, 148615),

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), (Start: 19 @127018 has 1 MA's), (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 171 MA's), (Start: 19 @147070 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143943 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145929 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144433 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146031 has 1 MA's), (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), (134, 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), (134, 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 171 MA's), (Start: 19 @143846 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145627 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144008 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147172 has 1 MA's), (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), (134, 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), (Start: 19 @127211 has 1 MA's), (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: SVoro_249 Start: 145863, Stop: 148079, Start Num: 12

Candidate Starts for SVoro_249:

(2, 145581), (Start: 12 @145863 has 171 MA's), (Start: 19 @145929 has 1 MA's), (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), (74, 146586), (77, 146613), (82, 146700), (127, 146874), (134, 146898), (136, 146955), (141, 147042), (150, 147150), (154, 147210), (166, 147321), (168, 147333), (170, 147342), (172, 147384), (177, 147441), (193, 147588), (203, 147711), (205, 147738), (206, 147741), (207, 147744), (208, 147747), (215, 147804), (218, 147852), (228, 147912), (231, 147921), (242, 148032),

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

Candidate Starts for Salacia_255:

(2, 147148), (Start: 12 @147430 has 171 MA's), (Start: 19 @147496 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145355 has 1 MA's), (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), (134, 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), (132, 146149), (134, 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 171 MA's), (Start: 19 @144556 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146215 has 1 MA's), (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), (134, 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), (131, 3655), (133, 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 171 MA's), (Start: 19 @144764 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147490 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145349 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144823 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145413 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147107 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146149 has 1 MA's), (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), (134, 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), (Start: 19 @3584 has 1 MA's), (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 171 MA's), (Start: 19 @145507 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145519 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146447 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145215 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144964 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146602 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146150 has 1 MA's), (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), (134, 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), (134, 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 171 MA's), (Start: 19 @142935 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146132 has 1 MA's), (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), (134, 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: Tainan_253 Start: 145004, Stop: 148027, Start Num: 12

Candidate Starts for Tainan_253:

(2, 144722), (Start: 12 @145004 has 171 MA's), (Start: 19 @145070 has 1 MA's), (21, 145112), (23, 145136), (25, 145154), (30, 145193), (38, 145265), (39, 145280), (42, 145337), (44, 145343), (45, 145370), (49, 145445), (51, 145457), (59, 145532), (60, 145535), (69, 145643), (74, 145727), (77, 145754), (82, 145841), (84, 145871), (85, 145889), (88, 145913), (90, 145928), (99, 146219), (100, 146279), (102, 146327), (103, 146336), (104, 146360), (106, 146510), (107, 146555), (108, 146585), (110, 146648), (113, 146663), (127, 146822), (134, 146846), (136, 146903), (141, 146990), (150, 147098), (154, 147158), (166, 147269), (168, 147281), (170, 147290), (172, 147332), (177, 147389), (190, 147521), (193, 147536), (203, 147659), (205, 147686), (206, 147689), (207, 147692), (208, 147695), (215, 147752), (218, 147800), (228, 147860), (231, 147869), (242, 147980),

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

Candidate Starts for Teardrop_252:

(2, 145111), (Start: 12 @145393 has 171 MA's), (Start: 19 @145459 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145426 has 1 MA's), (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), (134, 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), (Start: 19 @150749 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145439 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144180 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @143313 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147562 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144890 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @144874 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145813 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145009 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146544 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146005 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146985 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @145642 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @146176 has 1 MA's), (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), (134, 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 171 MA's), (Start: 19 @147282 has 1 MA's), (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), (134, 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),