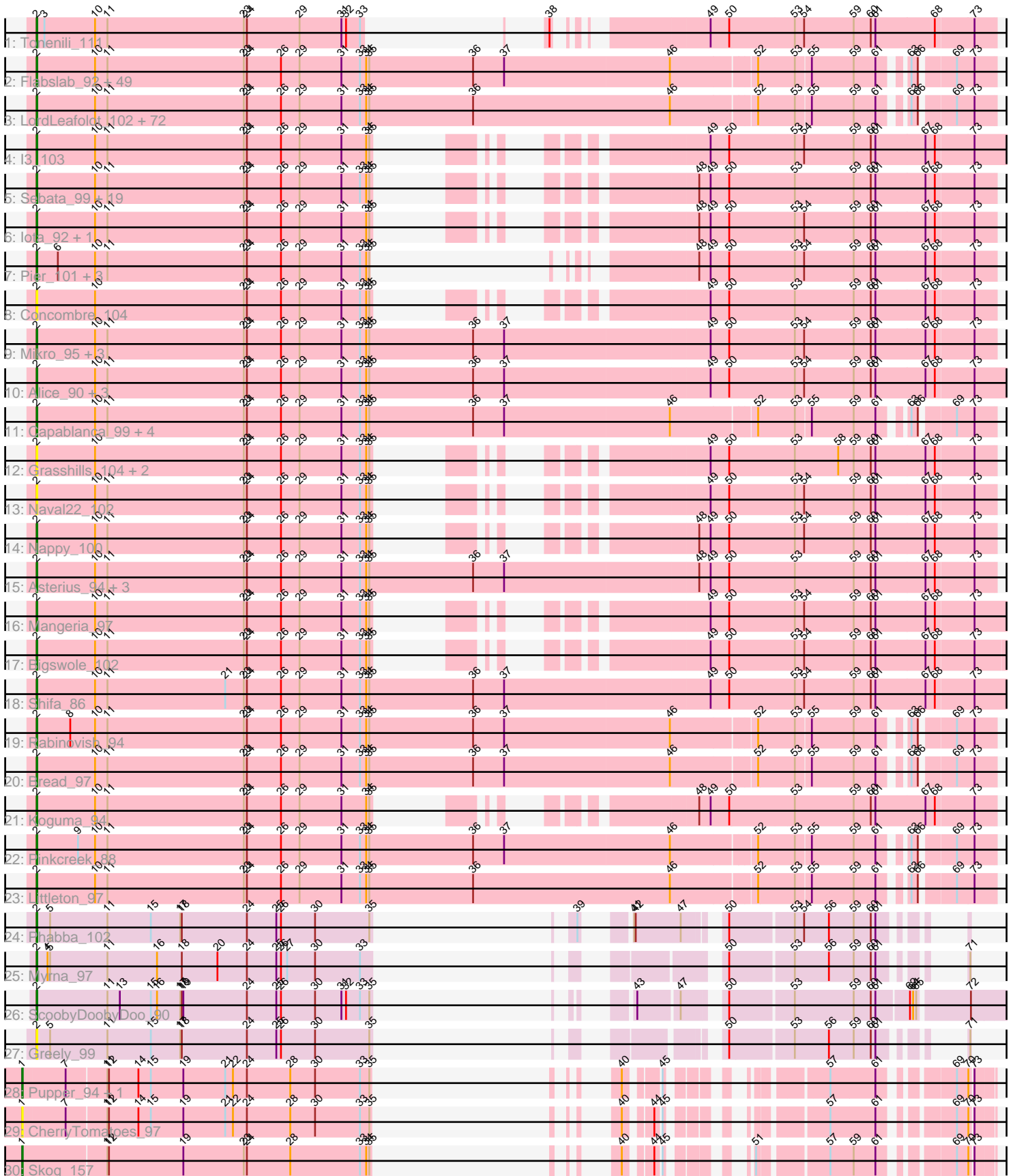


Zoomed Pham 157610



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 157610 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157610 has 190 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Tonenili_111
- Track 2 : Flabslab_92, Roots515_96, BackyardAgain_94, ChaylaJr_92, ErnieJ_93, Loanshark_97, Cactojaque_92, Chargie21_94, Melpomini_91, Khaleesi_96, Megamind_96, Catera_94, MikeLiesIn_98, ScottMcG_94, Ewok_98, ParkTD_98, TinyTim_97, Zalkecks_98, EmToTheThree_100, Bonray_97, Willis_98, NedWong_98, Dietrick_89, YemiJoy2021_98, Kboogie_101, DrPhinkDaddy_96, Shelob_99, Blackbrain_92, Bipolarisk_96, Turret_92, Basquiat_94, Delilah_97, Zeenon_99, Lukilu_88, Janiyra_99, Ava3_98, Quasimodo_98, Izajani_97, Jessibeth14_96, Morizzled23_97, ZygoTaiga_96, EasyJones_100, Maby2021_97, Erdmann_98, SrishMeg2525_96, Daffodil_102, Spud_97, ChickenPhender_93, Shrimp_97, Lee7_95
- Track 3 : LordLeafolot_102, Atlantean_97, JPickles_96, CharlieB_93, CindyLou_99, Naija_97, Salacia_101, FrayBell_103, BananaFence_96, NuevoMundo_103, ValleyTerrace_98, Napoleon13_93, LifeSavor_97, LolaVinca_99, Audrick_100, Ngannou_94, Babyland_98, Teardrop_97, Rahel_97, Amataga_98, Guwapp_97, Essence_95, SilverDipper_99, InigoMontoya_99, DTDevon_98, Tyke_99, Derek_98, ShiaLabeouf_97, Jemmno_98, Jedediah_101, Spec_94, Gizmo_101, NoodleTree_105, Gabriel_99, EmmaElysia_97, BadAgartude_94, StubbySaigey_100, Trinitium_94, Darko_97, Wally_96, Specks_103, Pivoine_97, Shnickers_98, Pio_101, Drazdys_97, Norm_98, Momo_97, Jaygup_98, ArcherS7_97, Phusco_98, Ghost_97, Tortoise16_95, Astraea_95, Gamgam_98, Matsumoto_95, Phlegm_100, SmallFry_98, Chomp_96, McGee_99, DirtMonster_91, Patter_98, Bxz1_95, Latch_98, Ading_98, Adlitam_98, YoungMoneyMata_98, Burrough_97, InterFolia_106, JustHall_94, Bangla1971_99, Breeniome_97, Rizal_94, Fludd_98
- Track 4 : l3_103
- Track 5 : Sebata_99, BeanWater_89, Caravan_92, Sauce_98, LinStu_97, JulietS_92, Ronan_91, LRRHood_92, Yassified_94, ET08_86, Delylah_100, Dandelion_104, QBert_91, Grungle_85, RoMag_92, Shaqnato_90, Sprinklers_93, JayJay_99, Nidhogg_98, MoMoMixon_98
- Track 6 : Iota_92, Cali_93
- Track 7 : Pier_101, Blubba_88, Cane17_86, Colt_87
- Track 8 : Concombre_104
- Track 9 : Mikro_95, IkeLoa_91, Kamryn_97, StephanieG_96
- Track 10 : Alice_90, Phox_94, HyRo_89, Stubby_90
- Track 11 : Capablanca_99, FoxtrotP1_97, Pleione_100, Issimir_96, Yucca_97
- Track 12 : Grasshills_104, EggyFarm_105, BigCity_105
- Track 13 : Naval22_102

- Track 14 : Nappy_100
- Track 15 : Asterius_94, McWolfish_95, FudgeTart_97, PurduePete_97
- Track 16 : Mangeria_97
- Track 17 : Bigswole_102
- Track 18 : Shifa_86
- Track 19 : Rabinovish_94
- Track 20 : Bread_97
- Track 21 : Koguma_94
- Track 22 : Pinkcreek_88
- Track 23 : Littleton_97
- Track 24 : Phabba_102
- Track 25 : Myrna_97
- Track 26 : ScoobyDoobyDoo_90
- Track 27 : Greely_99
- Track 28 : Pupper_94, SCentae_93
- Track 29 : CherryTomatoes_97
- Track 30 : Skog_157

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

The start number called the most often in the published annotations is 2, it was called in 170 of the 173 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ading_98, Adlitam_98, Alice_90, Amataga_98, ArcherS7_97, Asterius_94, Astraea_95, Atlantean_97, Audrick_100, Ava3_98, Babyland_98, BackyardAgain_94, BadAgartude_94, BananaFence_96, Bangla1971_99, Basquiat_94, BeanWater_89, BigCity_105, Bigswole_102, Bipolarisk_96, Blackbrain_92, Blubba_88, Bonray_97, Bread_97, Breeniome_97, Burrough_97, Bxz1_95, Cactojaque_92, Cali_93, Cane17_86, Capablanca_99, Caravan_92, Catera_94, Chargie21_94, CharlieB_93, ChaylaJr_92, ChickenPhender_93, Chomp_96, CindyLou_99, Colt_87, Concombre_104, DTDevon_98, Daffodil_102, Dandelion_104, Darko_97, Delilah_97, Delylah_100, Derek_98, Dietrick_89, DirtMonster_91, DrPhinkDaddy_96, Drazdys_97, ET08_86, EasyJones_100, EggyFarm_105, EmToTheThree_100, EmmaElysia_97, Erdmann_98, ErnieJ_93, Essence_95, Ewok_98, Flabslab_92, Fludd_98, FoxtrotP1_97, FrayBell_103, FudgeTart_97, Gabriel_99, Gamgam_98, Ghost_97, Gizmo_101, Grasshills_104, Greely_99, Grungle_85, Guwapp_97, HyRo_89, I3_103, IkeLoa_91, InigoMontoya_99, InterFolia_106, Iota_92, Issimir_96, Izajani_97, JPickles_96, Janiyra_99, JayJay_99, Jaygup_98, Jedediah_101, Jemmno_98, Jessibeth14_96, JulietS_92, JustHall_94, Kamryn_97, Kboogie_101, Khaleesi_96, Koguma_94, LRRHood_92, Latch_98, Lee7_95, LifeSavor_97, LinStu_97, Littleton_97, Loanshark_97, LolaVinca_99, LordLeafolot_102, Lukilu_88, Maby2021_97, Mangeria_97, Matsumoto_95, McGee_99, McWolfish_95, Megamind_96, Melpomini_91, MikeLiesIn_98, Mikro_95, MoMoMixon_98, Momo_97, Morizzled23_97, Myrna_97, Naija_97, Napoleon13_93, Nappy_100, Naval22_102, NedWong_98, Ngannou_94, Nidhogg_98, NoodleTree_105, Norm_98, NuevoMundo_103, ParkTD_98, Patter_98, Phabba_102, Phlegm_100, Phox_94, Phusco_98, Pier_101, Pinkcreek_88, Pio_101, Pivoine_97, Pleione_100, PurduePete_97, QBert_91, Quasimodo_98, Rabinovish_94, Rahel_97, Rizal_94, RoMag_92, Ronan_91, Roots515_96, Salacia_101, Sauce_98,

ScoobyDoobyDoo_90, ScottMcG_94, Sebata_99, Shaqnato_90, Shelob_99, ShiaLabeouf_97, Shifa_86, Shnickers_98, Shrimp_97, SilverDipper_99, SmallFry_98, Spec_94, Specks_103, Sprinklers_93, Spud_97, SrishMeg2525_96, StephanieG_96, StubbySaigey_100, Stubby_90, Teardrop_97, TinyTim_97, Tonenili_111, Tortoise16_95, Trinitium_94, Turret_92, Tyke_99, ValleyTerrace_98, Wally_96, Willis_98, Yassified_94, YemiJoy2021_98, YoungMoneyMata_98, Yucca_97, Zalkecks_98, Zeenon_99, ZygoTaiga_96,

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

-

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

- CherryTomatoes_97, Pupper_94, SCentae_93, Skog_157,

Summary by start number:

Start 1:

- Found in 4 of 190 (2.1%) of genes in pham
- Manual Annotations of this start: 3 of 173
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_97 (DO), Pupper_94 (DO), SCentae_93 (DO), Skog_157 (DO),

Start 2:

- Found in 186 of 190 (97.9%) of genes in pham
- Manual Annotations of this start: 170 of 173
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_98 (C1), Adlitam_98 (C1), Alice_90 (C1), Amataga_98 (C1), ArcherS7_97 (C1), Asterius_94 (C1), Astraea_95 (C1), Atlantean_97 (C1), Audrick_100 (C1), Ava3_98 (C1), Babyland_98 (C1), BackyardAgain_94 (C1), BadAgartude_94 (C1), BananaFence_96 (C1), Bangla1971_99 (C1), Basquiat_94 (C1), BeanWater_89 (C1), BigCity_105 (C1), Bigswole_102 (C1), Bipolarisk_96 (C1), Blackbrain_92 (C1), Blubba_88 (C1), Bonray_97 (C1), Bread_97 (C1), Breeniome_97 (C1), Burrough_97 (C1), Bxz1_95 (C1), Cactojaque_92 (C1), Cali_93 (C1), Cane17_86 (C1), Capablanca_99 (C1), Caravan_92 (C1), Catera_94 (C1), Chargie21_94 (C1), CharlieB_93 (C1), ChaylaJr_92 (C1), ChickenPhender_93 (C1), Chomp_96 (C1), CindyLou_99 (C1), Colt_87 (C1), Concombre_104 (C1), DTDevon_98 (C1), Daffodil_102 (C1), Dandelion_104 (C1), Darko_97 (C1), Delilah_97 (C1), Delylah_100 (C1), Derek_98 (C1), Dietrick_89 (C1), DirtMonster_91 (C1), DrPhinkDaddy_96 (C1), Drazdys_97 (C1), ET08_86 (C1), EasyJones_100 (C1), EggyFarm_105 (C1), EmToTheThree_100 (C1), EmmaElysia_97 (C1), Erdmann_98 (C1), ErnieJ_93 (C1), Essence_95 (C1), Ewok_98 (C1), Flabslab_92 (C1), Fludd_98 (C1), FoxtrotP1_97 (C1), FrayBell_103 (C1), FudgeTart_97 (C1), Gabriel_99 (C1), Gamgam_98 (C1), Ghost_97 (C1), Gizmo_101 (C1), Grasshills_104 (C1), Greely_99 (C2), Grungle_85 (C1), Guwapp_97 (C1), HyRo_89 (C1), I3_103 (C1), IkeLoa_91 (C1), InigoMontoya_99 (C1), InterFolia_106 (C1), Iota_92 (C1), Issimir_96 (C1), Izajani_97 (C1), JPickles_96 (C1), Janiyr_99 (C1), JayJay_99 (C1), Jaygup_98 (C1), Jedediah_101 (C1), Jemmno_98 (C1), Jessibeth14_96 (C1), JulietS_92 (C1), JustHall_94 (C1), Kamryn_97 (C1), Kboogie_101 (C1), Khaleesi_96 (C1), Koguma_94 (C1), LRRHood_92 (C1), Latch_98 (C1), Lee7_95 (C1), LifeSavor_97 (C1), LinStu_97 (C1), Littleton_97 (C1), Loanshark_97 (C1), LolaVinca_99 (C1), LordLeafolot_102 (C1), Lukilu_88 (C1), Maby2021_97 (C1), Mangeria_97 (C1),

Matsumoto_95 (C1), McGee_99 (C1), McWolfish_95 (C1), Megamind_96 (C1), Melpomini_91 (C1), MikeLiesIn_98 (C1), Mikro_95 (C1), MoMoMixon_98 (C1), Momo_97 (C1), Morizzled23_97 (C1), Myrna_97 (C2), Naija_97 (C1), Napoleon13_93 (C1), Nappy_100 (C1), Naval22_102 (C1), NedWong_98 (C1), Ngannou_94 (C1), Nidhogg_98 (C1), NoodleTree_105 (C1), Norm_98 (C1), NuevoMundo_103 (C1), ParkTD_98 (C1), Patter_98 (C1), Phabba_102 (C2), Phlegm_100 (C1), Phox_94 (C1), Phusco_98 (C1), Pier_101 (C1), Pinkcreek_88 (C1), Pio_101 (C1), Pivoine_97 (C1), Pleione_100 (C1), PurduePete_97 (C1), QBert_91 (C1), Quasimodo_98 (C1), Rabinovish_94 (C1), Rahel_97 (C1), Rizal_94 (C1), RoMag_92 (C1), Ronan_91 (C1), Roots515_96 (C1), Salacia_101 (C1), Sauce_98 (C1), ScoobyDoobyDoo_90 (C2), ScottMcG_94 (C1), Sebata_99 (C1), Shaq nato_90 (C1), Shelob_99 (C1), ShiaLabeouf_97 (C1), Shifa_86 (C1), Shnickers_98 (C1), Shrimp_97 (C1), SilverDipper_99 (C1), SmallFry_98 (C1), Spec_94 (C1), Specks_103 (C1), Sprinklers_93 (C1), Spud_97 (C1), SrishMeg2525_96 (C1), StephanieG_96 (C1), StubbySaigey_100 (C1), Stubby_90 (C1), Teardrop_97 (C1), TinyTim_97 (C1), Tonenili_111 (C1), Tortoise16_95 (C1), Trinitium_94 (C1), Turret_92 (C1), Tyke_99 (C1), ValleyTerrace_98 (C1), Wally_96 (C1), Willis_98 (C1), Yassified_94 (C1), YemiJoy2021_98 (C1), YoungMoneyMata_98 (C1), Yucca_97 (C1), Zalkecks_98 (C1), Zeenon_99 (C1), ZygoTaiga_96 (C1),

Summary by clusters:

There are 3 clusters represented in this pham: DO, C1, C2,

Info for manual annotations of cluster C1:

- Start number 2 was manually annotated 167 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 2 was manually annotated 3 times for cluster C2.

Info for manual annotations of cluster DO:

- Start number 1 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: Ading_98 Start: 45221, Stop: 49333, Start Num: 2

Candidate Starts for Ading_98:

(Start: 2 @45221 has 170 MA's), (10, 45332), (11, 45356), (23, 45620), (24, 45626), (26, 45692), (29, 45728), (31, 45809), (33, 45845), (34, 45857), (35, 45863), (36, 46064), (46, 46445), (52, 46598), (53, 46667), (55, 46694), (59, 46775), (61, 46817), (63, 46853), (66, 46865), (69, 46922), (73, 46955), (74, 47000), (79, 47018), (82, 47063), (88, 47111), (91, 47144), (98, 47168), (105, 47222), (109, 47249), (112, 47270), (117, 47318), (118, 47339), (123, 47465), (126, 47516), (130, 47537), (131, 47549), (133, 47591), (140, 47741), (141, 47774), (142, 47777), (144, 47828), (146, 47873), (147, 47879), (148, 47921), (153, 47984), (158, 48062), (160, 48119), (161, 48137), (163, 48170), (164, 48173), (165, 48212), (166, 48215), (167, 48296), (168, 48299), (171, 48359), (172, 48383), (174, 48434), (175, 48458), (178, 48482), (184, 48734), (186, 48791), (193, 49049), (194, 49118), (198, 49166), (205, 49253), (206, 49286), (207, 49289),

Gene: Adlitam_98 Start: 45238, Stop: 49350, Start Num: 2

Candidate Starts for Adlitam_98:

(Start: 2 @45238 has 170 MA's), (10, 45349), (11, 45373), (23, 45637), (24, 45643), (26, 45709), (29, 45745), (31, 45826), (33, 45862), (34, 45874), (35, 45880), (36, 46081), (46, 46462), (52, 46615), (53, 46684), (55, 46711), (59, 46792), (61, 46834), (63, 46870), (66, 46882), (69, 46939), (73, 46972), (74, 47017), (79, 47035), (82, 47080), (88, 47128), (91, 47161), (98, 47185), (105, 47239), (109, 47266), (112, 47287), (117, 47335), (118, 47356), (123, 47482), (126, 47533), (130, 47554), (131, 47566), (133, 47608), (140, 47758), (141, 47791), (142, 47794), (144, 47845), (146, 47890), (147, 47896), (148, 47938), (153, 48001), (158, 48079), (160, 48136), (161, 48154), (163, 48187), (164, 48190), (165, 48229), (166, 48232), (167, 48313), (168, 48316), (171, 48376), (172, 48400), (174, 48451), (175, 48475), (178, 48499), (184, 48751), (186, 48808), (193, 49066), (194, 49135), (198, 49183), (205, 49270), (206, 49303), (207, 49306),

Gene: Alice_90 Start: 42678, Stop: 47213, Start Num: 2

Candidate Starts for Alice_90:

(Start: 2 @42678 has 170 MA's), (10, 42789), (11, 42813), (23, 43077), (24, 43083), (26, 43149), (29, 43185), (31, 43266), (33, 43302), (34, 43314), (35, 43320), (36, 43521), (37, 43581), (49, 43971), (50, 44007), (53, 44127), (54, 44145), (59, 44241), (60, 44274), (61, 44283), (67, 44379), (68, 44397), (73, 44469), (75, 44589), (77, 44652), (78, 44688), (81, 44736), (85, 44787), (86, 44793), (87, 44796), (89, 44832), (92, 44880), (95, 44898), (99, 44943), (104, 44991), (105, 45024), (110, 45102), (111, 45129), (117, 45198), (118, 45219), (123, 45345), (126, 45396), (130, 45417), (131, 45429), (133, 45471), (140, 45621), (141, 45654), (142, 45657), (144, 45708), (146, 45753), (147, 45759), (148, 45801), (153, 45864), (158, 45942), (160, 45999), (161, 46017), (163, 46050), (164, 46053), (165, 46092), (166, 46095), (167, 46176), (168, 46179), (171, 46239), (172, 46263), (174, 46314), (175, 46338), (178, 46362), (184, 46614), (186, 46671), (193, 46929), (194, 46998), (198, 47046), (205, 47133), (206, 47166), (207, 47169),

Gene: Amataga_98 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Amataga_98:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: ArcherS7_97 Start: 44801, Stop: 48913, Start Num: 2

Candidate Starts for ArcherS7_97:

(Start: 2 @44801 has 170 MA's), (10, 44912), (11, 44936), (23, 45200), (24, 45206), (26, 45272), (29, 45308), (31, 45389), (33, 45425), (34, 45437), (35, 45443), (36, 45644), (46, 46025), (52, 46178), (53, 46247), (55, 46274), (59, 46355), (61, 46397), (63, 46433), (66, 46445), (69, 46502), (73, 46535), (74, 46580), (79, 46598), (82, 46643), (88, 46691), (91, 46724), (98, 46748), (105, 46802), (109, 46829), (112, 46850), (117, 46898), (118, 46919), (123, 47045), (126, 47096), (130, 47117), (131, 47129), (133, 47171), (140, 47321), (141, 47354), (142, 47357), (144, 47408), (146, 47453), (147, 47459), (148, 47501), (153, 47564), (158, 47642), (160, 47699), (161, 47717), (163, 47750), (164, 47753), (165, 47792), (166, 47795), (167, 47876), (168, 47879), (171, 47939), (172, 47963), (174, 48014), (175, 48038), (178, 48062), (184, 48314), (186, 48371), (193, 48629), (194, 48698), (198, 48746), (205, 48833), (206, 48866), (207, 48869),

Gene: Asterius_94 Start: 44379, Stop: 48548, Start Num: 2

Candidate Starts for Asterius_94:

(Start: 2 @44379 has 170 MA's), (10, 44490), (11, 44514), (23, 44778), (24, 44784), (26, 44850), (29, 44886), (31, 44967), (33, 45003), (34, 45015), (35, 45021), (36, 45222), (37, 45282), (48, 45651), (49, 45672), (50, 45708), (53, 45828), (59, 45942), (60, 45975), (61, 45984), (67, 46080), (68, 46098), (73, 46170), (74, 46215), (79, 46233), (82, 46278), (88, 46326), (91, 46359), (98, 46383), (105, 46437), (109, 46464), (112, 46485), (117, 46533), (118, 46554), (123, 46680), (126, 46731), (130, 46752), (131, 46764), (133, 46806), (140, 46956), (141, 46989), (142, 46992), (144, 47043), (146, 47088), (147, 47094), (148, 47136), (153, 47199), (158, 47277), (160, 47334), (161, 47352), (163, 47385), (164, 47388), (165, 47427), (166, 47430), (167, 47511), (168, 47514), (171, 47574), (172, 47598), (174, 47649), (175, 47673), (178, 47697), (184, 47949), (186, 48006), (193, 48264), (194, 48333), (198, 48381), (205, 48468), (206, 48501), (207, 48504),

Gene: *Astraea_95* Start: 44252, Stop: 48364, Start Num: 2

Candidate Starts for *Astraea_95*:

(Start: 2 @44252 has 170 MA's), (10, 44363), (11, 44387), (23, 44651), (24, 44657), (26, 44723), (29, 44759), (31, 44840), (33, 44876), (34, 44888), (35, 44894), (36, 45095), (46, 45476), (52, 45629), (53, 45698), (55, 45725), (59, 45806), (61, 45848), (63, 45884), (66, 45896), (69, 45953), (73, 45986), (74, 46031), (79, 46049), (82, 46094), (88, 46142), (91, 46175), (98, 46199), (105, 46253), (109, 46280), (112, 46301), (117, 46349), (118, 46370), (123, 46496), (126, 46547), (130, 46568), (131, 46580), (133, 46622), (140, 46772), (141, 46805), (142, 46808), (144, 46859), (146, 46904), (147, 46910), (148, 46952), (153, 47015), (158, 47093), (160, 47150), (161, 47168), (163, 47201), (164, 47204), (165, 47243), (166, 47246), (167, 47327), (168, 47330), (171, 47390), (172, 47414), (174, 47465), (175, 47489), (178, 47513), (184, 47765), (186, 47822), (193, 48080), (194, 48149), (198, 48197), (205, 48284), (206, 48317), (207, 48320),

Gene: *Atlantean_97* Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for *Atlantean_97*:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: *Audrick_100* Start: 44462, Stop: 48574, Start Num: 2

Candidate Starts for *Audrick_100*:

(Start: 2 @44462 has 170 MA's), (10, 44573), (11, 44597), (23, 44861), (24, 44867), (26, 44933), (29, 44969), (31, 45050), (33, 45086), (34, 45098), (35, 45104), (36, 45305), (46, 45686), (52, 45839), (53, 45908), (55, 45935), (59, 46016), (61, 46058), (63, 46094), (66, 46106), (69, 46163), (73, 46196), (74, 46241), (79, 46259), (82, 46304), (88, 46352), (91, 46385), (98, 46409), (105, 46463), (109, 46490), (112, 46511), (117, 46559), (118, 46580), (123, 46706), (126, 46757), (130, 46778), (131, 46790), (133, 46832), (140, 46982), (141, 47015), (142, 47018), (144, 47069), (146, 47114), (147, 47120), (148, 47162), (153, 47225), (158, 47303), (160, 47360), (161, 47378), (163, 47411), (164, 47414), (165, 47453), (166, 47456), (167, 47537), (168, 47540), (171, 47600), (172, 47624), (174, 47675), (175, 47699), (178, 47723), (184, 47975), (186, 48032), (193, 48290), (194, 48359), (198, 48407), (205, 48494), (206, 48527), (207, 48530),

Gene: *Ava3_98* Start: 44752, Stop: 48861, Start Num: 2

Candidate Starts for *Ava3_98*:

(Start: 2 @44752 has 170 MA's), (10, 44863), (11, 44887), (23, 45151), (24, 45157), (26, 45223), (29, 45259), (31, 45340), (33, 45376), (34, 45388), (35, 45394), (36, 45595), (37, 45655), (46, 45973), (52, 46126), (53, 46195), (55, 46222), (59, 46303), (61, 46345), (63, 46381), (66, 46393), (69, 46450), (73, 46483), (74, 46528), (79, 46546), (82, 46591), (88, 46639), (91, 46672), (105, 46750), (109, 46777), (117, 46846), (118, 46867), (123, 46993), (126, 47044), (130, 47065), (131, 47077), (133, 47119), (140, 47269), (141, 47302), (142, 47305), (144, 47356), (146, 47401), (147, 47407), (148, 47449), (153, 47512), (158, 47590), (160, 47647), (161, 47665), (163, 47698), (164, 47701), (165, 47740), (166, 47743), (167, 47824), (168, 47827), (171, 47887), (172, 47911), (174, 47962), (175, 47986), (178, 48010), (184, 48262), (186, 48319), (193, 48577), (194, 48646), (198, 48694), (205, 48781), (206, 48814), (207, 48817),

Gene: Babyland_98 Start: 43922, Stop: 48034, Start Num: 2

Candidate Starts for Babyland_98:

(Start: 2 @43922 has 170 MA's), (10, 44033), (11, 44057), (23, 44321), (24, 44327), (26, 44393), (29, 44429), (31, 44510), (33, 44546), (34, 44558), (35, 44564), (36, 44765), (46, 45146), (52, 45299), (53, 45368), (55, 45395), (59, 45476), (61, 45518), (63, 45554), (66, 45566), (69, 45623), (73, 45656), (74, 45701), (79, 45719), (82, 45764), (88, 45812), (91, 45845), (98, 45869), (105, 45923), (109, 45950), (112, 45971), (117, 46019), (118, 46040), (123, 46166), (126, 46217), (130, 46238), (131, 46250), (133, 46292), (140, 46442), (141, 46475), (142, 46478), (144, 46529), (146, 46574), (147, 46580), (148, 46622), (153, 46685), (158, 46763), (160, 46820), (161, 46838), (163, 46871), (164, 46874), (165, 46913), (166, 46916), (167, 46997), (168, 47000), (171, 47060), (172, 47084), (174, 47135), (175, 47159), (178, 47183), (184, 47435), (186, 47492), (193, 47750), (194, 47819), (198, 47867), (205, 47954), (206, 47987), (207, 47990),

Gene: BackyardAgain_94 Start: 43755, Stop: 47864, Start Num: 2

Candidate Starts for BackyardAgain_94:

(Start: 2 @43755 has 170 MA's), (10, 43866), (11, 43890), (23, 44154), (24, 44160), (26, 44226), (29, 44262), (31, 44343), (33, 44379), (34, 44391), (35, 44397), (36, 44598), (37, 44658), (46, 44976), (52, 45129), (53, 45198), (55, 45225), (59, 45306), (61, 45348), (63, 45384), (66, 45396), (69, 45453), (73, 45486), (74, 45531), (79, 45549), (82, 45594), (88, 45642), (91, 45675), (105, 45753), (109, 45780), (117, 45849), (118, 45870), (123, 45996), (126, 46047), (130, 46068), (131, 46080), (133, 46122), (140, 46272), (141, 46305), (142, 46308), (144, 46359), (146, 46404), (147, 46410), (148, 46452), (153, 46515), (158, 46593), (160, 46650), (161, 46668), (163, 46701), (164, 46704), (165, 46743), (166, 46746), (167, 46827), (168, 46830), (171, 46890), (172, 46914), (174, 46965), (175, 46989), (178, 47013), (184, 47265), (186, 47322), (193, 47580), (194, 47649), (198, 47697), (205, 47784), (206, 47817), (207, 47820),

Gene: BadAgartude_94 Start: 45921, Stop: 50033, Start Num: 2

Candidate Starts for BadAgartude_94:

(Start: 2 @45921 has 170 MA's), (10, 46032), (11, 46056), (23, 46320), (24, 46326), (26, 46392), (29, 46428), (31, 46509), (33, 46545), (34, 46557), (35, 46563), (36, 46764), (46, 47145), (52, 47298), (53, 47367), (55, 47394), (59, 47475), (61, 47517), (63, 47553), (66, 47565), (69, 47622), (73, 47655), (74, 47700), (79, 47718), (82, 47763), (88, 47811), (91, 47844), (98, 47868), (105, 47922), (109, 47949), (112, 47970), (117, 48018), (118, 48039), (123, 48165), (126, 48216), (130, 48237), (131, 48249), (133, 48291), (140, 48441), (141, 48474), (142, 48477), (144, 48528), (146, 48573), (147, 48579), (148, 48621), (153, 48684), (158, 48762), (160, 48819), (161, 48837), (163, 48870), (164, 48873), (165, 48912), (166, 48915), (167, 48996), (168, 48999), (171, 49059), (172, 49083), (174, 49134), (175, 49158), (178, 49182), (184, 49434), (186, 49491), (193, 49749), (194, 49818), (198, 49866), (205, 49953), (206, 49986), (207, 49989),

Gene: BananaFence_96 Start: 44620, Stop: 48732, Start Num: 2

Candidate Starts for BananaFence_96:

(Start: 2 @44620 has 170 MA's), (10, 44731), (11, 44755), (23, 45019), (24, 45025), (26, 45091), (29, 45127), (31, 45208), (33, 45244), (34, 45256), (35, 45262), (36, 45463), (46, 45844), (52, 45997), (53, 46066), (55, 46093), (59, 46174), (61, 46216), (63, 46252), (66, 46264), (69, 46321), (73, 46354), (74, 46399), (79, 46417), (82, 46462), (88, 46510), (91, 46543), (98, 46567), (105, 46621), (109, 46648), (112, 46669), (117, 46717), (118, 46738), (123, 46864), (126, 46915), (130, 46936), (131, 46948), (133, 46990), (140, 47140), (141, 47173), (142, 47176), (144, 47227), (146, 47272), (147, 47278), (148, 47320), (153, 47383), (158, 47461), (160, 47518), (161, 47536), (163, 47569), (164, 47572), (165, 47611), (166, 47614), (167, 47695), (168, 47698), (171, 47758), (172, 47782), (174, 47833), (175, 47857), (178, 47881), (184, 48133), (186, 48190), (193, 48448), (194, 48517), (198, 48565), (205, 48652), (206, 48685), (207, 48688),

Gene: Bangla1971_99 Start: 44931, Stop: 49043, Start Num: 2

Candidate Starts for Bangla1971_99:

(Start: 2 @44931 has 170 MA's), (10, 45042), (11, 45066), (23, 45330), (24, 45336), (26, 45402), (29, 45438), (31, 45519), (33, 45555), (34, 45567), (35, 45573), (36, 45774), (46, 46155), (52, 46308), (53, 46377), (55, 46404), (59, 46485), (61, 46527), (63, 46563), (66, 46575), (69, 46632), (73, 46665), (74, 46710), (79, 46728), (82, 46773), (88, 46821), (91, 46854), (98, 46878), (105, 46932), (109, 46959), (112, 46980), (117, 47028), (118, 47049), (123, 47175), (126, 47226), (130, 47247), (131, 47259), (133, 47301), (140, 47451), (141, 47484), (142, 47487), (144, 47538), (146, 47583), (147, 47589), (148, 47631), (153, 47694), (158, 47772), (160, 47829), (161, 47847), (163, 47880), (164, 47883), (165, 47922), (166, 47925), (167, 48006), (168, 48009), (171, 48069), (172, 48093), (174, 48144), (175, 48168), (178, 48192), (184, 48444), (186, 48501), (193, 48759), (194, 48828), (198, 48876), (205, 48963), (206, 48996), (207, 48999),

Gene: Basquiat_94 Start: 43491, Stop: 47600, Start Num: 2

Candidate Starts for Basquiat_94:

(Start: 2 @43491 has 170 MA's), (10, 43602), (11, 43626), (23, 43890), (24, 43896), (26, 43962), (29, 43998), (31, 44079), (33, 44115), (34, 44127), (35, 44133), (36, 44334), (37, 44394), (46, 44712), (52, 44865), (53, 44934), (55, 44961), (59, 45042), (61, 45084), (63, 45120), (66, 45132), (69, 45189), (73, 45222), (74, 45267), (79, 45285), (82, 45330), (88, 45378), (91, 45411), (105, 45489), (109, 45516), (117, 45585), (118, 45606), (123, 45732), (126, 45783), (130, 45804), (131, 45816), (133, 45858), (140, 46008), (141, 46041), (142, 46044), (144, 46095), (146, 46140), (147, 46146), (148, 46188), (153, 46251), (158, 46329), (160, 46386), (161, 46404), (163, 46437), (164, 46440), (165, 46479), (166, 46482), (167, 46563), (168, 46566), (171, 46626), (172, 46650), (174, 46701), (175, 46725), (178, 46749), (184, 47001), (186, 47058), (193, 47316), (194, 47385), (198, 47433), (205, 47520), (206, 47553), (207, 47556),

Gene: BeanWater_89 Start: 44468, Stop: 48328, Start Num: 2

Candidate Starts for BeanWater_89:

(Start: 2 @44468 has 170 MA's), (10, 44579), (11, 44603), (23, 44867), (24, 44873), (26, 44939), (29, 44975), (31, 45056), (33, 45092), (34, 45104), (35, 45110), (48, 45431), (49, 45452), (50, 45488), (53, 45608), (59, 45722), (60, 45755), (61, 45764), (67, 45860), (68, 45878), (73, 45950), (74, 45995), (79, 46013), (82, 46058), (88, 46106), (91, 46139), (98, 46163), (105, 46217), (109, 46244), (112, 46265), (117, 46313), (118, 46334), (123, 46460), (126, 46511), (130, 46532), (131, 46544), (133, 46586), (140, 46736), (141, 46769), (142, 46772), (144, 46823), (146, 46868), (147, 46874), (148, 46916), (153, 46979), (158, 47057), (160, 47114), (161, 47132), (163, 47165), (164, 47168), (165, 47207), (166, 47210), (167, 47291), (168, 47294), (171, 47354), (172, 47378), (174, 47429), (175, 47453), (178, 47477), (184, 47729), (186, 47786), (193, 48044), (194, 48113), (198, 48161), (205, 48248), (206, 48281), (207, 48284),

Gene: BigCity_105 Start: 47262, Stop: 51122, Start Num: 2

Candidate Starts for BigCity_105:

(Start: 2 @47262 has 170 MA's), (10, 47373), (23, 47661), (24, 47667), (26, 47733), (29, 47769), (31, 47850), (33, 47886), (34, 47898), (35, 47904), (49, 48246), (50, 48282), (53, 48402), (58, 48486), (59, 48516), (60, 48549), (61, 48558), (67, 48654), (68, 48672), (73, 48744), (74, 48789), (79, 48807), (82, 48852), (88, 48900), (91, 48933), (98, 48957), (105, 49011), (109, 49038), (112, 49059), (117, 49107), (118, 49128), (123, 49254), (126, 49305), (130, 49326), (131, 49338), (133, 49380), (140, 49530), (141, 49563), (142, 49566), (144, 49617), (146, 49662), (147, 49668), (148, 49710), (153, 49773), (158, 49851), (160, 49908), (161, 49926), (163, 49959), (164, 49962), (165, 50001), (166, 50004), (167, 50085), (168, 50088), (171, 50148), (172, 50172), (174, 50223), (175, 50247), (178, 50271), (184, 50523), (186, 50580), (193, 50838), (194, 50907), (198, 50955), (205, 51042), (206, 51075), (207, 51078),

Gene: Bigswole_102 Start: 47610, Stop: 51575, Start Num: 2

Candidate Starts for Bigswole_102:

(Start: 2 @47610 has 170 MA's), (10, 47721), (11, 47745), (23, 48009), (24, 48015), (26, 48081), (29, 48117), (31, 48198), (33, 48234), (34, 48246), (35, 48252), (49, 48594), (50, 48630), (53, 48750), (54, 48768), (59, 48864), (60, 48897), (61, 48906), (67, 49002), (68, 49020), (73, 49092), (76, 49221), (80, 49293), (90, 49422), (93, 49437), (96, 49446), (97, 49449), (112, 49602), (113, 49605), (123, 49713), (125, 49743), (129, 49770), (133, 49827), (140, 49977), (141, 50010), (142, 50013), (144, 50064), (146, 50109), (147, 50115), (148, 50163), (153, 50226), (158, 50304), (160, 50361), (161, 50379), (163, 50412), (164, 50415), (165, 50454), (166, 50457), (167, 50538), (168, 50541), (171, 50601), (172, 50625), (174, 50676), (175, 50700), (178, 50724), (184, 50976), (186, 51033), (193, 51291), (194, 51360), (198, 51408), (205, 51495), (206, 51528), (207, 51531),

Gene: Bipolarisk_96 Start: 44770, Stop: 48879, Start Num: 2

Candidate Starts for Bipolarisk_96:

(Start: 2 @44770 has 170 MA's), (10, 44881), (11, 44905), (23, 45169), (24, 45175), (26, 45241), (29, 45277), (31, 45358), (33, 45394), (34, 45406), (35, 45412), (36, 45613), (37, 45673), (46, 45991), (52, 46144), (53, 46213), (55, 46240), (59, 46321), (61, 46363), (63, 46399), (66, 46411), (69, 46468), (73, 46501), (74, 46546), (79, 46564), (82, 46609), (88, 46657), (91, 46690), (105, 46768), (109, 46795), (117, 46864), (118, 46885), (123, 47011), (126, 47062), (130, 47083), (131, 47095), (133, 47137), (140, 47287), (141, 47320), (142, 47323), (144, 47374), (146, 47419), (147, 47425), (148, 47467), (153, 47530), (158, 47608), (160, 47665), (161, 47683), (163, 47716), (164, 47719), (165, 47758), (166, 47761), (167, 47842), (168, 47845), (171, 47905), (172, 47929), (174, 47980), (175, 48004), (178, 48028), (184, 48280), (186, 48337), (193, 48595), (194, 48664), (198, 48712), (205, 48799), (206, 48832), (207, 48835),

Gene: Blackbrain_92 Start: 43069, Stop: 47178, Start Num: 2

Candidate Starts for Blackbrain_92:

(Start: 2 @43069 has 170 MA's), (10, 43180), (11, 43204), (23, 43468), (24, 43474), (26, 43540), (29, 43576), (31, 43657), (33, 43693), (34, 43705), (35, 43711), (36, 43912), (37, 43972), (46, 44290), (52, 44443), (53, 44512), (55, 44539), (59, 44620), (61, 44662), (63, 44698), (66, 44710), (69, 44767), (73, 44800), (74, 44845), (79, 44863), (82, 44908), (88, 44956), (91, 44989), (105, 45067), (109, 45094), (117, 45163), (118, 45184), (123, 45310), (126, 45361), (130, 45382), (131, 45394), (133, 45436), (140, 45586), (141, 45619), (142, 45622), (144, 45673), (146, 45718), (147, 45724), (148, 45766), (153, 45829), (158, 45907), (160, 45964), (161, 45982), (163, 46015), (164, 46018), (165, 46057), (166, 46060), (167, 46141), (168, 46144), (171, 46204), (172, 46228), (174, 46279), (175, 46303), (178, 46327), (184, 46579), (186, 46636), (193, 46894), (194, 46963), (198, 47011), (205, 47098), (206, 47131), (207, 47134),

Gene: Blubba_88 Start: 43400, Stop: 47122, Start Num: 2

Candidate Starts for Blubba_88:

(Start: 2 @43400 has 170 MA's), (6, 43439), (10, 43511), (11, 43535), (23, 43799), (24, 43805), (26, 43871), (29, 43907), (31, 43988), (33, 44024), (34, 44036), (35, 44042), (48, 44225), (49, 44246), (50,

44282), (53, 44402), (54, 44420), (59, 44516), (60, 44549), (61, 44558), (67, 44654), (68, 44672), (73, 44744), (74, 44789), (79, 44807), (82, 44852), (88, 44900), (91, 44933), (98, 44957), (105, 45011), (109, 45038), (112, 45059), (117, 45107), (118, 45128), (123, 45254), (126, 45305), (130, 45326), (131, 45338), (133, 45380), (140, 45530), (141, 45563), (142, 45566), (144, 45617), (146, 45662), (147, 45668), (148, 45710), (153, 45773), (158, 45851), (160, 45908), (161, 45926), (163, 45959), (164, 45962), (165, 46001), (166, 46004), (167, 46085), (168, 46088), (171, 46148), (172, 46172), (174, 46223), (175, 46247), (178, 46271), (184, 46523), (186, 46580), (193, 46838), (194, 46907), (198, 46955), (205, 47042), (206, 47075), (207, 47078),

Gene: Bonray_97 Start: 45178, Stop: 49287, Start Num: 2

Candidate Starts for Bonray_97:

(Start: 2 @45178 has 170 MA's), (10, 45289), (11, 45313), (23, 45577), (24, 45583), (26, 45649), (29, 45685), (31, 45766), (33, 45802), (34, 45814), (35, 45820), (36, 46021), (37, 46081), (46, 46399), (52, 46552), (53, 46621), (55, 46648), (59, 46729), (61, 46771), (63, 46807), (66, 46819), (69, 46876), (73, 46909), (74, 46954), (79, 46972), (82, 47017), (88, 47065), (91, 47098), (105, 47176), (109, 47203), (117, 47272), (118, 47293), (123, 47419), (126, 47470), (130, 47491), (131, 47503), (133, 47545), (140, 47695), (141, 47728), (142, 47731), (144, 47782), (146, 47827), (147, 47833), (148, 47875), (153, 47938), (158, 48016), (160, 48073), (161, 48091), (163, 48124), (164, 48127), (165, 48166), (166, 48169), (167, 48250), (168, 48253), (171, 48313), (172, 48337), (174, 48388), (175, 48412), (178, 48436), (184, 48688), (186, 48745), (193, 49003), (194, 49072), (198, 49120), (205, 49207), (206, 49240), (207, 49243),

Gene: Bread_97 Start: 44838, Stop: 48947, Start Num: 2

Candidate Starts for Bread_97:

(Start: 2 @44838 has 170 MA's), (10, 44949), (11, 44973), (23, 45237), (24, 45243), (26, 45309), (29, 45345), (31, 45426), (33, 45462), (34, 45474), (35, 45480), (36, 45681), (37, 45741), (46, 46059), (52, 46212), (53, 46281), (55, 46308), (59, 46389), (61, 46431), (63, 46467), (66, 46479), (69, 46536), (73, 46569), (74, 46614), (79, 46632), (82, 46677), (88, 46725), (91, 46758), (105, 46836), (109, 46863), (112, 46884), (117, 46932), (118, 46953), (123, 47079), (126, 47130), (130, 47151), (131, 47163), (133, 47205), (140, 47355), (141, 47388), (142, 47391), (144, 47442), (146, 47487), (147, 47493), (148, 47535), (153, 47598), (158, 47676), (160, 47733), (161, 47751), (163, 47784), (164, 47787), (165, 47826), (166, 47829), (167, 47910), (168, 47913), (171, 47973), (172, 47997), (174, 48048), (175, 48072), (178, 48096), (184, 48348), (186, 48405), (193, 48663), (194, 48732), (198, 48780), (205, 48867), (206, 48900), (207, 48903),

Gene: Breeniome_97 Start: 44064, Stop: 48176, Start Num: 2

Candidate Starts for Breeniome_97:

(Start: 2 @44064 has 170 MA's), (10, 44175), (11, 44199), (23, 44463), (24, 44469), (26, 44535), (29, 44571), (31, 44652), (33, 44688), (34, 44700), (35, 44706), (36, 44907), (46, 45288), (52, 45441), (53, 45510), (55, 45537), (59, 45618), (61, 45660), (63, 45696), (66, 45708), (69, 45765), (73, 45798), (74, 45843), (79, 45861), (82, 45906), (88, 45954), (91, 45987), (98, 46011), (105, 46065), (109, 46092), (112, 46113), (117, 46161), (118, 46182), (123, 46308), (126, 46359), (130, 46380), (131, 46392), (133, 46434), (140, 46584), (141, 46617), (142, 46620), (144, 46671), (146, 46716), (147, 46722), (148, 46764), (153, 46827), (158, 46905), (160, 46962), (161, 46980), (163, 47013), (164, 47016), (165, 47055), (166, 47058), (167, 47139), (168, 47142), (171, 47202), (172, 47226), (174, 47277), (175, 47301), (178, 47325), (184, 47577), (186, 47634), (193, 47892), (194, 47961), (198, 48009), (205, 48096), (206, 48129), (207, 48132),

Gene: Burrough_97 Start: 45334, Stop: 49446, Start Num: 2

Candidate Starts for Burrough_97:

(Start: 2 @45334 has 170 MA's), (10, 45445), (11, 45469), (23, 45733), (24, 45739), (26, 45805), (29, 45841), (31, 45922), (33, 45958), (34, 45970), (35, 45976), (36, 46177), (46, 46558), (52, 46711), (53, 46780), (55, 46807), (59, 46888), (61, 46930), (63, 46966), (66, 46978), (69, 47035), (73, 47068), (74,

47113), (79, 47131), (82, 47176), (88, 47224), (91, 47257), (98, 47281), (105, 47335), (109, 47362), (112, 47383), (117, 47431), (118, 47452), (123, 47578), (126, 47629), (130, 47650), (131, 47662), (133, 47704), (140, 47854), (141, 47887), (142, 47890), (144, 47941), (146, 47986), (147, 47992), (148, 48034), (153, 48097), (158, 48175), (160, 48232), (161, 48250), (163, 48283), (164, 48286), (165, 48325), (166, 48328), (167, 48409), (168, 48412), (171, 48472), (172, 48496), (174, 48547), (175, 48571), (178, 48595), (184, 48847), (186, 48904), (193, 49162), (194, 49231), (198, 49279), (205, 49366), (206, 49399), (207, 49402),

Gene: Bxz1_95 Start: 46385, Stop: 50497, Start Num: 2

Candidate Starts for Bxz1_95:

(Start: 2 @46385 has 170 MA's), (10, 46496), (11, 46520), (23, 46784), (24, 46790), (26, 46856), (29, 46892), (31, 46973), (33, 47009), (34, 47021), (35, 47027), (36, 47228), (46, 47609), (52, 47762), (53, 47831), (55, 47858), (59, 47939), (61, 47981), (63, 48017), (66, 48029), (69, 48086), (73, 48119), (74, 48164), (79, 48182), (82, 48227), (88, 48275), (91, 48308), (98, 48332), (105, 48386), (109, 48413), (112, 48434), (117, 48482), (118, 48503), (123, 48629), (126, 48680), (130, 48701), (131, 48713), (133, 48755), (140, 48905), (141, 48938), (142, 48941), (144, 48992), (146, 49037), (147, 49043), (148, 49085), (153, 49148), (158, 49226), (160, 49283), (161, 49301), (163, 49334), (164, 49337), (165, 49376), (166, 49379), (167, 49460), (168, 49463), (171, 49523), (172, 49547), (174, 49598), (175, 49622), (178, 49646), (184, 49898), (186, 49955), (193, 50213), (194, 50282), (198, 50330), (205, 50417), (206, 50450), (207, 50453),

Gene: Cactojaque_92 Start: 43176, Stop: 47285, Start Num: 2

Candidate Starts for Cactojaque_92:

(Start: 2 @43176 has 170 MA's), (10, 43287), (11, 43311), (23, 43575), (24, 43581), (26, 43647), (29, 43683), (31, 43764), (33, 43800), (34, 43812), (35, 43818), (36, 44019), (37, 44079), (46, 44397), (52, 44550), (53, 44619), (55, 44646), (59, 44727), (61, 44769), (63, 44805), (66, 44817), (69, 44874), (73, 44907), (74, 44952), (79, 44970), (82, 45015), (88, 45063), (91, 45096), (105, 45174), (109, 45201), (117, 45270), (118, 45291), (123, 45417), (126, 45468), (130, 45489), (131, 45501), (133, 45543), (140, 45693), (141, 45726), (142, 45729), (144, 45780), (146, 45825), (147, 45831), (148, 45873), (153, 45936), (158, 46014), (160, 46071), (161, 46089), (163, 46122), (164, 46125), (165, 46164), (166, 46167), (167, 46248), (168, 46251), (171, 46311), (172, 46335), (174, 46386), (175, 46410), (178, 46434), (184, 46686), (186, 46743), (193, 47001), (194, 47070), (198, 47118), (205, 47205), (206, 47238), (207, 47241),

Gene: Cali_93 Start: 45351, Stop: 49211, Start Num: 2

Candidate Starts for Cali_93:

(Start: 2 @45351 has 170 MA's), (10, 45462), (11, 45486), (23, 45750), (24, 45756), (26, 45822), (29, 45858), (31, 45939), (34, 45987), (35, 45993), (48, 46314), (49, 46335), (50, 46371), (53, 46491), (54, 46509), (59, 46605), (60, 46638), (61, 46647), (67, 46743), (68, 46761), (73, 46833), (74, 46878), (79, 46896), (82, 46941), (88, 46989), (91, 47022), (98, 47046), (105, 47100), (109, 47127), (112, 47148), (117, 47196), (118, 47217), (123, 47343), (126, 47394), (130, 47415), (131, 47427), (133, 47469), (140, 47619), (141, 47652), (142, 47655), (144, 47706), (146, 47751), (147, 47757), (148, 47799), (153, 47862), (158, 47940), (160, 47997), (161, 48015), (163, 48048), (164, 48051), (165, 48090), (166, 48093), (167, 48174), (168, 48177), (171, 48237), (172, 48261), (174, 48312), (175, 48336), (178, 48360), (184, 48612), (186, 48669), (193, 48927), (194, 48996), (198, 49044), (205, 49131), (206, 49164), (207, 49167),

Gene: Cane17_86 Start: 43473, Stop: 47195, Start Num: 2

Candidate Starts for Cane17_86:

(Start: 2 @43473 has 170 MA's), (6, 43512), (10, 43584), (11, 43608), (23, 43872), (24, 43878), (26, 43944), (29, 43980), (31, 44061), (33, 44097), (34, 44109), (35, 44115), (48, 44298), (49, 44319), (50, 44355), (53, 44475), (54, 44493), (59, 44589), (60, 44622), (61, 44631), (67, 44727), (68, 44745), (73, 44817), (74, 44862), (79, 44880), (82, 44925), (88, 44973), (91, 45006), (98, 45030), (105, 45084),

(109, 45111), (112, 45132), (117, 45180), (118, 45201), (123, 45327), (126, 45378), (130, 45399), (131, 45411), (133, 45453), (140, 45603), (141, 45636), (142, 45639), (144, 45690), (146, 45735), (147, 45741), (148, 45783), (153, 45846), (158, 45924), (160, 45981), (161, 45999), (163, 46032), (164, 46035), (165, 46074), (166, 46077), (167, 46158), (168, 46161), (171, 46221), (172, 46245), (174, 46296), (175, 46320), (178, 46344), (184, 46596), (186, 46653), (193, 46911), (194, 46980), (198, 47028), (205, 47115), (206, 47148), (207, 47151),

Gene: Capablanca_99 Start: 45201, Stop: 49310, Start Num: 2

Candidate Starts for Capablanca_99:

(Start: 2 @45201 has 170 MA's), (10, 45312), (11, 45336), (23, 45600), (24, 45606), (26, 45672), (29, 45708), (31, 45789), (33, 45825), (34, 45837), (35, 45843), (36, 46044), (37, 46104), (46, 46422), (52, 46575), (53, 46644), (55, 46671), (59, 46752), (61, 46794), (63, 46830), (66, 46842), (69, 46899), (73, 46932), (74, 46977), (79, 46995), (82, 47040), (88, 47088), (91, 47121), (98, 47145), (105, 47199), (109, 47226), (112, 47247), (117, 47295), (118, 47316), (123, 47442), (126, 47493), (130, 47514), (131, 47526), (133, 47568), (140, 47718), (141, 47751), (142, 47754), (144, 47805), (146, 47850), (147, 47856), (148, 47898), (153, 47961), (158, 48039), (160, 48096), (161, 48114), (163, 48147), (164, 48150), (165, 48189), (166, 48192), (167, 48273), (168, 48276), (171, 48336), (172, 48360), (174, 48411), (175, 48435), (178, 48459), (184, 48711), (186, 48768), (193, 49026), (194, 49095), (198, 49143), (205, 49230), (206, 49263), (207, 49266),

Gene: Caravan_92 Start: 44705, Stop: 48565, Start Num: 2

Candidate Starts for Caravan_92:

(Start: 2 @44705 has 170 MA's), (10, 44816), (11, 44840), (23, 45104), (24, 45110), (26, 45176), (29, 45212), (31, 45293), (33, 45329), (34, 45341), (35, 45347), (48, 45668), (49, 45689), (50, 45725), (53, 45845), (59, 45959), (60, 45992), (61, 46001), (67, 46097), (68, 46115), (73, 46187), (74, 46232), (79, 46250), (82, 46295), (88, 46343), (91, 46376), (98, 46400), (105, 46454), (109, 46481), (112, 46502), (117, 46550), (118, 46571), (123, 46697), (126, 46748), (130, 46769), (131, 46781), (133, 46823), (140, 46973), (141, 47006), (142, 47009), (144, 47060), (146, 47105), (147, 47111), (148, 47153), (153, 47216), (158, 47294), (160, 47351), (161, 47369), (163, 47402), (164, 47405), (165, 47444), (166, 47447), (167, 47528), (168, 47531), (171, 47591), (172, 47615), (174, 47666), (175, 47690), (178, 47714), (184, 47966), (186, 48023), (193, 48281), (194, 48350), (198, 48398), (205, 48485), (206, 48518), (207, 48521),

Gene: Catera_94 Start: 43341, Stop: 47450, Start Num: 2

Candidate Starts for Catera_94:

(Start: 2 @43341 has 170 MA's), (10, 43452), (11, 43476), (23, 43740), (24, 43746), (26, 43812), (29, 43848), (31, 43929), (33, 43965), (34, 43977), (35, 43983), (36, 44184), (37, 44244), (46, 44562), (52, 44715), (53, 44784), (55, 44811), (59, 44892), (61, 44934), (63, 44970), (66, 44982), (69, 45039), (73, 45072), (74, 45117), (79, 45135), (82, 45180), (88, 45228), (91, 45261), (105, 45339), (109, 45366), (117, 45435), (118, 45456), (123, 45582), (126, 45633), (130, 45654), (131, 45666), (133, 45708), (140, 45858), (141, 45891), (142, 45894), (144, 45945), (146, 45990), (147, 45996), (148, 46038), (153, 46101), (158, 46179), (160, 46236), (161, 46254), (163, 46287), (164, 46290), (165, 46329), (166, 46332), (167, 46413), (168, 46416), (171, 46476), (172, 46500), (174, 46551), (175, 46575), (178, 46599), (184, 46851), (186, 46908), (193, 47166), (194, 47235), (198, 47283), (205, 47370), (206, 47403), (207, 47406),

Gene: Chargie21_94 Start: 43491, Stop: 47600, Start Num: 2

Candidate Starts for Chargie21_94:

(Start: 2 @43491 has 170 MA's), (10, 43602), (11, 43626), (23, 43890), (24, 43896), (26, 43962), (29, 43998), (31, 44079), (33, 44115), (34, 44127), (35, 44133), (36, 44334), (37, 44394), (46, 44712), (52, 44865), (53, 44934), (55, 44961), (59, 45042), (61, 45084), (63, 45120), (66, 45132), (69, 45189), (73, 45222), (74, 45267), (79, 45285), (82, 45330), (88, 45378), (91, 45411), (105, 45489), (109, 45516), (117, 45585), (118, 45606), (123, 45732), (126, 45783), (130, 45804), (131, 45816), (133, 45858),

(140, 46008), (141, 46041), (142, 46044), (144, 46095), (146, 46140), (147, 46146), (148, 46188), (153, 46251), (158, 46329), (160, 46386), (161, 46404), (163, 46437), (164, 46440), (165, 46479), (166, 46482), (167, 46563), (168, 46566), (171, 46626), (172, 46650), (174, 46701), (175, 46725), (178, 46749), (184, 47001), (186, 47058), (193, 47316), (194, 47385), (198, 47433), (205, 47520), (206, 47553), (207, 47556),

Gene: CharlieB_93 Start: 43349, Stop: 47461, Start Num: 2

Candidate Starts for CharlieB_93:

(Start: 2 @43349 has 170 MA's), (10, 43460), (11, 43484), (23, 43748), (24, 43754), (26, 43820), (29, 43856), (31, 43937), (33, 43973), (34, 43985), (35, 43991), (36, 44192), (46, 44573), (52, 44726), (53, 44795), (55, 44822), (59, 44903), (61, 44945), (63, 44981), (66, 44993), (69, 45050), (73, 45083), (74, 45128), (79, 45146), (82, 45191), (88, 45239), (91, 45272), (98, 45296), (105, 45350), (109, 45377), (112, 45398), (117, 45446), (118, 45467), (123, 45593), (126, 45644), (130, 45665), (131, 45677), (133, 45719), (140, 45869), (141, 45902), (142, 45905), (144, 45956), (146, 46001), (147, 46007), (148, 46049), (153, 46112), (158, 46190), (160, 46247), (161, 46265), (163, 46298), (164, 46301), (165, 46340), (166, 46343), (167, 46424), (168, 46427), (171, 46487), (172, 46511), (174, 46562), (175, 46586), (178, 46610), (184, 46862), (186, 46919), (193, 47177), (194, 47246), (198, 47294), (205, 47381), (206, 47414), (207, 47417),

Gene: ChaylaJr_92 Start: 42967, Stop: 47076, Start Num: 2

Candidate Starts for ChaylaJr_92:

(Start: 2 @42967 has 170 MA's), (10, 43078), (11, 43102), (23, 43366), (24, 43372), (26, 43438), (29, 43474), (31, 43555), (33, 43591), (34, 43603), (35, 43609), (36, 43810), (37, 43870), (46, 44188), (52, 44341), (53, 44410), (55, 44437), (59, 44518), (61, 44560), (63, 44596), (66, 44608), (69, 44665), (73, 44698), (74, 44743), (79, 44761), (82, 44806), (88, 44854), (91, 44887), (105, 44965), (109, 44992), (117, 45061), (118, 45082), (123, 45208), (126, 45259), (130, 45280), (131, 45292), (133, 45334), (140, 45484), (141, 45517), (142, 45520), (144, 45571), (146, 45616), (147, 45622), (148, 45664), (153, 45727), (158, 45805), (160, 45862), (161, 45880), (163, 45913), (164, 45916), (165, 45955), (166, 45958), (167, 46039), (168, 46042), (171, 46102), (172, 46126), (174, 46177), (175, 46201), (178, 46225), (184, 46477), (186, 46534), (193, 46792), (194, 46861), (198, 46909), (205, 46996), (206, 47029), (207, 47032),

Gene: CherryTomatoes_97 Start: 43720, Stop: 46974, Start Num: 1

Candidate Starts for CherryTomatoes_97:

(Start: 1 @43720 has 3 MA's), (7, 43801), (11, 43876), (12, 43879), (14, 43936), (15, 43960), (19, 44023), (21, 44104), (22, 44119), (24, 44146), (28, 44230), (30, 44278), (33, 44365), (35, 44383), (40, 44422), (44, 44461), (45, 44470), (57, 44659), (61, 44740), (69, 44845), (70, 44866), (73, 44872), (84, 44959), (114, 45082), (116, 45100), (121, 45124), (124, 45211), (128, 45250), (145, 45538), (147, 45583), (149, 45601), (155, 45682), (161, 45805), (170, 46015), (171, 46024), (176, 46120), (177, 46123), (180, 46231), (182, 46357), (183, 46375), (185, 46429), (191, 46591), (192, 46675), (194, 46756), (204, 46891), (207, 46930), (208, 46960),

Gene: ChickenPhender_93 Start: 43300, Stop: 47409, Start Num: 2

Candidate Starts for ChickenPhender_93:

(Start: 2 @43300 has 170 MA's), (10, 43411), (11, 43435), (23, 43699), (24, 43705), (26, 43771), (29, 43807), (31, 43888), (33, 43924), (34, 43936), (35, 43942), (36, 44143), (37, 44203), (46, 44521), (52, 44674), (53, 44743), (55, 44770), (59, 44851), (61, 44893), (63, 44929), (66, 44941), (69, 44998), (73, 45031), (74, 45076), (79, 45094), (82, 45139), (88, 45187), (91, 45220), (105, 45298), (109, 45325), (117, 45394), (118, 45415), (123, 45541), (126, 45592), (130, 45613), (131, 45625), (133, 45667), (140, 45817), (141, 45850), (142, 45853), (144, 45904), (146, 45949), (147, 45955), (148, 45997), (153, 46060), (158, 46138), (160, 46195), (161, 46213), (163, 46246), (164, 46249), (165, 46288), (166, 46291), (167, 46372), (168, 46375), (171, 46435), (172, 46459), (174, 46510), (175, 46534), (178, 46558), (184, 46810), (186, 46867), (193, 47125), (194, 47194), (198, 47242), (205, 47329),

(206, 47362), (207, 47365),

Gene: Chomp_96 Start: 45771, Stop: 49883, Start Num: 2

Candidate Starts for Chomp_96:

(Start: 2 @45771 has 170 MA's), (10, 45882), (11, 45906), (23, 46170), (24, 46176), (26, 46242), (29, 46278), (31, 46359), (33, 46395), (34, 46407), (35, 46413), (36, 46614), (46, 46995), (52, 47148), (53, 47217), (55, 47244), (59, 47325), (61, 47367), (63, 47403), (66, 47415), (69, 47472), (73, 47505), (74, 47550), (79, 47568), (82, 47613), (88, 47661), (91, 47694), (98, 47718), (105, 47772), (109, 47799), (112, 47820), (117, 47868), (118, 47889), (123, 48015), (126, 48066), (130, 48087), (131, 48099), (133, 48141), (140, 48291), (141, 48324), (142, 48327), (144, 48378), (146, 48423), (147, 48429), (148, 48471), (153, 48534), (158, 48612), (160, 48669), (161, 48687), (163, 48720), (164, 48723), (165, 48762), (166, 48765), (167, 48846), (168, 48849), (171, 48909), (172, 48933), (174, 48984), (175, 49008), (178, 49032), (184, 49284), (186, 49341), (193, 49599), (194, 49668), (198, 49716), (205, 49803), (206, 49836), (207, 49839),

Gene: CindyLou_99 Start: 45812, Stop: 49924, Start Num: 2

Candidate Starts for CindyLou_99:

(Start: 2 @45812 has 170 MA's), (10, 45923), (11, 45947), (23, 46211), (24, 46217), (26, 46283), (29, 46319), (31, 46400), (33, 46436), (34, 46448), (35, 46454), (36, 46655), (46, 47036), (52, 47189), (53, 47258), (55, 47285), (59, 47366), (61, 47408), (63, 47444), (66, 47456), (69, 47513), (73, 47546), (74, 47591), (79, 47609), (82, 47654), (88, 47702), (91, 47735), (98, 47759), (105, 47813), (109, 47840), (112, 47861), (117, 47909), (118, 47930), (123, 48056), (126, 48107), (130, 48128), (131, 48140), (133, 48182), (140, 48332), (141, 48365), (142, 48368), (144, 48419), (146, 48464), (147, 48470), (148, 48512), (153, 48575), (158, 48653), (160, 48710), (161, 48728), (163, 48761), (164, 48764), (165, 48803), (166, 48806), (167, 48887), (168, 48890), (171, 48950), (172, 48974), (174, 49025), (175, 49049), (178, 49073), (184, 49325), (186, 49382), (193, 49640), (194, 49709), (198, 49757), (205, 49844), (206, 49877), (207, 49880),

Gene: Colt_87 Start: 44069, Stop: 47791, Start Num: 2

Candidate Starts for Colt_87:

(Start: 2 @44069 has 170 MA's), (6, 44108), (10, 44180), (11, 44204), (23, 44468), (24, 44474), (26, 44540), (29, 44576), (31, 44657), (33, 44693), (34, 44705), (35, 44711), (48, 44894), (49, 44915), (50, 44951), (53, 45071), (54, 45089), (59, 45185), (60, 45218), (61, 45227), (67, 45323), (68, 45341), (73, 45413), (74, 45458), (79, 45476), (82, 45521), (88, 45569), (91, 45602), (98, 45626), (105, 45680), (109, 45707), (112, 45728), (117, 45776), (118, 45797), (123, 45923), (126, 45974), (130, 45995), (131, 46007), (133, 46049), (140, 46199), (141, 46232), (142, 46235), (144, 46286), (146, 46331), (147, 46337), (148, 46379), (153, 46442), (158, 46520), (160, 46577), (161, 46595), (163, 46628), (164, 46631), (165, 46670), (166, 46673), (167, 46754), (168, 46757), (171, 46817), (172, 46841), (174, 46892), (175, 46916), (178, 46940), (184, 47192), (186, 47249), (193, 47507), (194, 47576), (198, 47624), (205, 47711), (206, 47744), (207, 47747),

Gene: Concombres_104 Start: 47487, Stop: 51347, Start Num: 2

Candidate Starts for Concombres_104:

(Start: 2 @47487 has 170 MA's), (10, 47598), (23, 47886), (24, 47892), (26, 47958), (29, 47994), (31, 48075), (33, 48111), (34, 48123), (35, 48129), (49, 48471), (50, 48507), (53, 48627), (59, 48741), (60, 48774), (61, 48783), (67, 48879), (68, 48897), (73, 48969), (74, 49014), (79, 49032), (82, 49077), (88, 49125), (91, 49158), (98, 49182), (105, 49236), (109, 49263), (112, 49284), (117, 49332), (118, 49353), (123, 49479), (126, 49530), (130, 49551), (131, 49563), (133, 49605), (140, 49755), (141, 49788), (142, 49791), (144, 49842), (146, 49887), (147, 49893), (148, 49935), (153, 49998), (158, 50076), (160, 50133), (161, 50151), (163, 50184), (164, 50187), (165, 50226), (166, 50229), (167, 50310), (168, 50313), (171, 50373), (172, 50397), (174, 50448), (175, 50472), (178, 50496), (184, 50748), (186, 50805), (193, 51063), (194, 51132), (198, 51180), (205, 51267), (206, 51300), (207, 51303),

Gene: DTDevon_98 Start: 45371, Stop: 49483, Start Num: 2

Candidate Starts for DTDevon_98:

(Start: 2 @45371 has 170 MA's), (10, 45482), (11, 45506), (23, 45770), (24, 45776), (26, 45842), (29, 45878), (31, 45959), (33, 45995), (34, 46007), (35, 46013), (36, 46214), (46, 46595), (52, 46748), (53, 46817), (55, 46844), (59, 46925), (61, 46967), (63, 47003), (66, 47015), (69, 47072), (73, 47105), (74, 47150), (79, 47168), (82, 47213), (88, 47261), (91, 47294), (98, 47318), (105, 47372), (109, 47399), (112, 47420), (117, 47468), (118, 47489), (123, 47615), (126, 47666), (130, 47687), (131, 47699), (133, 47741), (140, 47891), (141, 47924), (142, 47927), (144, 47978), (146, 48023), (147, 48029), (148, 48071), (153, 48134), (158, 48212), (160, 48269), (161, 48287), (163, 48320), (164, 48323), (165, 48362), (166, 48365), (167, 48446), (168, 48449), (171, 48509), (172, 48533), (174, 48584), (175, 48608), (178, 48632), (184, 48884), (186, 48941), (193, 49199), (194, 49268), (198, 49316), (205, 49403), (206, 49436), (207, 49439),

Gene: Daffodil_102 Start: 45070, Stop: 49179, Start Num: 2

Candidate Starts for Daffodil_102:

(Start: 2 @45070 has 170 MA's), (10, 45181), (11, 45205), (23, 45469), (24, 45475), (26, 45541), (29, 45577), (31, 45658), (33, 45694), (34, 45706), (35, 45712), (36, 45913), (37, 45973), (46, 46291), (52, 46444), (53, 46513), (55, 46540), (59, 46621), (61, 46663), (63, 46699), (66, 46711), (69, 46768), (73, 46801), (74, 46846), (79, 46864), (82, 46909), (88, 46957), (91, 46990), (105, 47068), (109, 47095), (117, 47164), (118, 47185), (123, 47311), (126, 47362), (130, 47383), (131, 47395), (133, 47437), (140, 47587), (141, 47620), (142, 47623), (144, 47674), (146, 47719), (147, 47725), (148, 47767), (153, 47830), (158, 47908), (160, 47965), (161, 47983), (163, 48016), (164, 48019), (165, 48058), (166, 48061), (167, 48142), (168, 48145), (171, 48205), (172, 48229), (174, 48280), (175, 48304), (178, 48328), (184, 48580), (186, 48637), (193, 48895), (194, 48964), (198, 49012), (205, 49099), (206, 49132), (207, 49135),

Gene: Dandelion_104 Start: 47734, Stop: 51594, Start Num: 2

Candidate Starts for Dandelion_104:

(Start: 2 @47734 has 170 MA's), (10, 47845), (11, 47869), (23, 48133), (24, 48139), (26, 48205), (29, 48241), (31, 48322), (33, 48358), (34, 48370), (35, 48376), (48, 48697), (49, 48718), (50, 48754), (53, 48874), (59, 48988), (60, 49021), (61, 49030), (67, 49126), (68, 49144), (73, 49216), (74, 49261), (79, 49279), (82, 49324), (88, 49372), (91, 49405), (98, 49429), (105, 49483), (109, 49510), (112, 49531), (117, 49579), (118, 49600), (123, 49726), (126, 49777), (130, 49798), (131, 49810), (133, 49852), (140, 50002), (141, 50035), (142, 50038), (144, 50089), (146, 50134), (147, 50140), (148, 50182), (153, 50245), (158, 50323), (160, 50380), (161, 50398), (163, 50431), (164, 50434), (165, 50473), (166, 50476), (167, 50557), (168, 50560), (171, 50620), (172, 50644), (174, 50695), (175, 50719), (178, 50743), (184, 50995), (186, 51052), (193, 51310), (194, 51379), (198, 51427), (205, 51514), (206, 51547), (207, 51550),

Gene: Darko_97 Start: 45008, Stop: 49120, Start Num: 2

Candidate Starts for Darko_97:

(Start: 2 @45008 has 170 MA's), (10, 45119), (11, 45143), (23, 45407), (24, 45413), (26, 45479), (29, 45515), (31, 45596), (33, 45632), (34, 45644), (35, 45650), (36, 45851), (46, 46232), (52, 46385), (53, 46454), (55, 46481), (59, 46562), (61, 46604), (63, 46640), (66, 46652), (69, 46709), (73, 46742), (74, 46787), (79, 46805), (82, 46850), (88, 46898), (91, 46931), (98, 46955), (105, 47009), (109, 47036), (112, 47057), (117, 47105), (118, 47126), (123, 47252), (126, 47303), (130, 47324), (131, 47336), (133, 47378), (140, 47528), (141, 47561), (142, 47564), (144, 47615), (146, 47660), (147, 47666), (148, 47708), (153, 47771), (158, 47849), (160, 47906), (161, 47924), (163, 47957), (164, 47960), (165, 47999), (166, 48002), (167, 48083), (168, 48086), (171, 48146), (172, 48170), (174, 48221), (175, 48245), (178, 48269), (184, 48521), (186, 48578), (193, 48836), (194, 48905), (198, 48953), (205, 49040), (206, 49073), (207, 49076),

Gene: Delilah_97 Start: 45071, Stop: 49180, Start Num: 2

Candidate Starts for Delilah_97:

(Start: 2 @45071 has 170 MA's), (10, 45182), (11, 45206), (23, 45470), (24, 45476), (26, 45542), (29, 45578), (31, 45659), (33, 45695), (34, 45707), (35, 45713), (36, 45914), (37, 45974), (46, 46292), (52, 46445), (53, 46514), (55, 46541), (59, 46622), (61, 46664), (63, 46700), (66, 46712), (69, 46769), (73, 46802), (74, 46847), (79, 46865), (82, 46910), (88, 46958), (91, 46991), (105, 47069), (109, 47096), (117, 47165), (118, 47186), (123, 47312), (126, 47363), (130, 47384), (131, 47396), (133, 47438), (140, 47588), (141, 47621), (142, 47624), (144, 47675), (146, 47720), (147, 47726), (148, 47768), (153, 47831), (158, 47909), (160, 47966), (161, 47984), (163, 48017), (164, 48020), (165, 48059), (166, 48062), (167, 48143), (168, 48146), (171, 48206), (172, 48230), (174, 48281), (175, 48305), (178, 48329), (184, 48581), (186, 48638), (193, 48896), (194, 48965), (198, 49013), (205, 49100), (206, 49133), (207, 49136),

Gene: Delylah_100 Start: 44864, Stop: 48724, Start Num: 2

Candidate Starts for Delylah_100:

(Start: 2 @44864 has 170 MA's), (10, 44975), (11, 44999), (23, 45263), (24, 45269), (26, 45335), (29, 45371), (31, 45452), (33, 45488), (34, 45500), (35, 45506), (48, 45827), (49, 45848), (50, 45884), (53, 46004), (59, 46118), (60, 46151), (61, 46160), (67, 46256), (68, 46274), (73, 46346), (74, 46391), (79, 46409), (82, 46454), (88, 46502), (91, 46535), (98, 46559), (105, 46613), (109, 46640), (112, 46661), (117, 46709), (118, 46730), (123, 46856), (126, 46907), (130, 46928), (131, 46940), (133, 46982), (140, 47132), (141, 47165), (142, 47168), (144, 47219), (146, 47264), (147, 47270), (148, 47312), (153, 47375), (158, 47453), (160, 47510), (161, 47528), (163, 47561), (164, 47564), (165, 47603), (166, 47606), (167, 47687), (168, 47690), (171, 47750), (172, 47774), (174, 47825), (175, 47849), (178, 47873), (184, 48125), (186, 48182), (193, 48440), (194, 48509), (198, 48557), (205, 48644), (206, 48677), (207, 48680),

Gene: Derek_98 Start: 45573, Stop: 49685, Start Num: 2

Candidate Starts for Derek_98:

(Start: 2 @45573 has 170 MA's), (10, 45684), (11, 45708), (23, 45972), (24, 45978), (26, 46044), (29, 46080), (31, 46161), (33, 46197), (34, 46209), (35, 46215), (36, 46416), (46, 46797), (52, 46950), (53, 47019), (55, 47046), (59, 47127), (61, 47169), (63, 47205), (66, 47217), (69, 47274), (73, 47307), (74, 47352), (79, 47370), (82, 47415), (88, 47463), (91, 47496), (98, 47520), (105, 47574), (109, 47601), (112, 47622), (117, 47670), (118, 47691), (123, 47817), (126, 47868), (130, 47889), (131, 47901), (133, 47943), (140, 48093), (141, 48126), (142, 48129), (144, 48180), (146, 48225), (147, 48231), (148, 48273), (153, 48336), (158, 48414), (160, 48471), (161, 48489), (163, 48522), (164, 48525), (165, 48564), (166, 48567), (167, 48648), (168, 48651), (171, 48711), (172, 48735), (174, 48786), (175, 48810), (178, 48834), (184, 49086), (186, 49143), (193, 49401), (194, 49470), (198, 49518), (205, 49605), (206, 49638), (207, 49641),

Gene: Dietrick_89 Start: 43003, Stop: 47112, Start Num: 2

Candidate Starts for Dietrick_89:

(Start: 2 @43003 has 170 MA's), (10, 43114), (11, 43138), (23, 43402), (24, 43408), (26, 43474), (29, 43510), (31, 43591), (33, 43627), (34, 43639), (35, 43645), (36, 43846), (37, 43906), (46, 44224), (52, 44377), (53, 44446), (55, 44473), (59, 44554), (61, 44596), (63, 44632), (66, 44644), (69, 44701), (73, 44734), (74, 44779), (79, 44797), (82, 44842), (88, 44890), (91, 44923), (105, 45001), (109, 45028), (117, 45097), (118, 45118), (123, 45244), (126, 45295), (130, 45316), (131, 45328), (133, 45370), (140, 45520), (141, 45553), (142, 45556), (144, 45607), (146, 45652), (147, 45658), (148, 45700), (153, 45763), (158, 45841), (160, 45898), (161, 45916), (163, 45949), (164, 45952), (165, 45991), (166, 45994), (167, 46075), (168, 46078), (171, 46138), (172, 46162), (174, 46213), (175, 46237), (178, 46261), (184, 46513), (186, 46570), (193, 46828), (194, 46897), (198, 46945), (205, 47032), (206, 47065), (207, 47068),

Gene: DirtMonster_91 Start: 44105, Stop: 48217, Start Num: 2

Candidate Starts for DirtMonster_91:

(Start: 2 @44105 has 170 MA's), (10, 44216), (11, 44240), (23, 44504), (24, 44510), (26, 44576), (29, 44612), (31, 44693), (33, 44729), (34, 44741), (35, 44747), (36, 44948), (46, 45329), (52, 45482), (53, 45551), (55, 45578), (59, 45659), (61, 45701), (63, 45737), (66, 45749), (69, 45806), (73, 45839), (74, 45884), (79, 45902), (82, 45947), (88, 45995), (91, 46028), (98, 46052), (105, 46106), (109, 46133), (112, 46154), (117, 46202), (118, 46223), (123, 46349), (126, 46400), (130, 46421), (131, 46433), (133, 46475), (140, 46625), (141, 46658), (142, 46661), (144, 46712), (146, 46757), (147, 46763), (148, 46805), (153, 46868), (158, 46946), (160, 47003), (161, 47021), (163, 47054), (164, 47057), (165, 47096), (166, 47099), (167, 47180), (168, 47183), (171, 47243), (172, 47267), (174, 47318), (175, 47342), (178, 47366), (184, 47618), (186, 47675), (193, 47933), (194, 48002), (198, 48050), (205, 48137), (206, 48170), (207, 48173),

Gene: DrPhinkDaddy_96 Start: 45290, Stop: 49399, Start Num: 2

Candidate Starts for DrPhinkDaddy_96:

(Start: 2 @45290 has 170 MA's), (10, 45401), (11, 45425), (23, 45689), (24, 45695), (26, 45761), (29, 45797), (31, 45878), (33, 45914), (34, 45926), (35, 45932), (36, 46133), (37, 46193), (46, 46511), (52, 46664), (53, 46733), (55, 46760), (59, 46841), (61, 46883), (63, 46919), (66, 46931), (69, 46988), (73, 47021), (74, 47066), (79, 47084), (82, 47129), (88, 47177), (91, 47210), (105, 47288), (109, 47315), (117, 47384), (118, 47405), (123, 47531), (126, 47582), (130, 47603), (131, 47615), (133, 47657), (140, 47807), (141, 47840), (142, 47843), (144, 47894), (146, 47939), (147, 47945), (148, 47987), (153, 48050), (158, 48128), (160, 48185), (161, 48203), (163, 48236), (164, 48239), (165, 48278), (166, 48281), (167, 48362), (168, 48365), (171, 48425), (172, 48449), (174, 48500), (175, 48524), (178, 48548), (184, 48800), (186, 48857), (193, 49115), (194, 49184), (198, 49232), (205, 49319), (206, 49352), (207, 49355),

Gene: Drazdys_97 Start: 44871, Stop: 48983, Start Num: 2

Candidate Starts for Drazdys_97:

(Start: 2 @44871 has 170 MA's), (10, 44982), (11, 45006), (23, 45270), (24, 45276), (26, 45342), (29, 45378), (31, 45459), (33, 45495), (34, 45507), (35, 45513), (36, 45714), (46, 46095), (52, 46248), (53, 46317), (55, 46344), (59, 46425), (61, 46467), (63, 46503), (66, 46515), (69, 46572), (73, 46605), (74, 46650), (79, 46668), (82, 46713), (88, 46761), (91, 46794), (98, 46818), (105, 46872), (109, 46899), (112, 46920), (117, 46968), (118, 46989), (123, 47115), (126, 47166), (130, 47187), (131, 47199), (133, 47241), (140, 47391), (141, 47424), (142, 47427), (144, 47478), (146, 47523), (147, 47529), (148, 47571), (153, 47634), (158, 47712), (160, 47769), (161, 47787), (163, 47820), (164, 47823), (165, 47862), (166, 47865), (167, 47946), (168, 47949), (171, 48009), (172, 48033), (174, 48084), (175, 48108), (178, 48132), (184, 48384), (186, 48441), (193, 48699), (194, 48768), (198, 48816), (205, 48903), (206, 48936), (207, 48939),

Gene: ET08_86 Start: 43857, Stop: 47717, Start Num: 2

Candidate Starts for ET08_86:

(Start: 2 @43857 has 170 MA's), (10, 43968), (11, 43992), (23, 44256), (24, 44262), (26, 44328), (29, 44364), (31, 44445), (33, 44481), (34, 44493), (35, 44499), (48, 44820), (49, 44841), (50, 44877), (53, 44997), (59, 45111), (60, 45144), (61, 45153), (67, 45249), (68, 45267), (73, 45339), (74, 45384), (79, 45402), (82, 45447), (88, 45495), (91, 45528), (98, 45552), (105, 45606), (109, 45633), (112, 45654), (117, 45702), (118, 45723), (123, 45849), (126, 45900), (130, 45921), (131, 45933), (133, 45975), (140, 46125), (141, 46158), (142, 46161), (144, 46212), (146, 46257), (147, 46263), (148, 46305), (153, 46368), (158, 46446), (160, 46503), (161, 46521), (163, 46554), (164, 46557), (165, 46596), (166, 46599), (167, 46680), (168, 46683), (171, 46743), (172, 46767), (174, 46818), (175, 46842), (178, 46866), (184, 47118), (186, 47175), (193, 47433), (194, 47502), (198, 47550), (205, 47637), (206, 47670), (207, 47673),

Gene: EasyJones_100 Start: 44359, Stop: 48468, Start Num: 2

Candidate Starts for EasyJones_100:

(Start: 2 @44359 has 170 MA's), (10, 44470), (11, 44494), (23, 44758), (24, 44764), (26, 44830), (29, 44866), (31, 44947), (33, 44983), (34, 44995), (35, 45001), (36, 45202), (37, 45262), (46, 45580), (52, 45733), (53, 45802), (55, 45829), (59, 45910), (61, 45952), (63, 45988), (66, 46000), (69, 46057), (73, 46090), (74, 46135), (79, 46153), (82, 46198), (88, 46246), (91, 46279), (105, 46357), (109, 46384), (117, 46453), (118, 46474), (123, 46600), (126, 46651), (130, 46672), (131, 46684), (133, 46726), (140, 46876), (141, 46909), (142, 46912), (144, 46963), (146, 47008), (147, 47014), (148, 47056), (153, 47119), (158, 47197), (160, 47254), (161, 47272), (163, 47305), (164, 47308), (165, 47347), (166, 47350), (167, 47431), (168, 47434), (171, 47494), (172, 47518), (174, 47569), (175, 47593), (178, 47617), (184, 47869), (186, 47926), (193, 48184), (194, 48253), (198, 48301), (205, 48388), (206, 48421), (207, 48424),

Gene: EggyFarm_105 Start: 47262, Stop: 51122, Start Num: 2

Candidate Starts for EggyFarm_105:

(Start: 2 @47262 has 170 MA's), (10, 47373), (23, 47661), (24, 47667), (26, 47733), (29, 47769), (31, 47850), (33, 47886), (34, 47898), (35, 47904), (49, 48246), (50, 48282), (53, 48402), (58, 48486), (59, 48516), (60, 48549), (61, 48558), (67, 48654), (68, 48672), (73, 48744), (74, 48789), (79, 48807), (82, 48852), (88, 48900), (91, 48933), (98, 48957), (105, 49011), (109, 49038), (112, 49059), (117, 49107), (118, 49128), (123, 49254), (126, 49305), (130, 49326), (131, 49338), (133, 49380), (140, 49530), (141, 49563), (142, 49566), (144, 49617), (146, 49662), (147, 49668), (148, 49710), (153, 49773), (158, 49851), (160, 49908), (161, 49926), (163, 49959), (164, 49962), (165, 50001), (166, 50004), (167, 50085), (168, 50088), (171, 50148), (172, 50172), (174, 50223), (175, 50247), (178, 50271), (184, 50523), (186, 50580), (193, 50838), (194, 50907), (198, 50955), (205, 51042), (206, 51075), (207, 51078),

Gene: EmToTheThree_100 Start: 46522, Stop: 50631, Start Num: 2

Candidate Starts for EmToTheThree_100:

(Start: 2 @46522 has 170 MA's), (10, 46633), (11, 46657), (23, 46921), (24, 46927), (26, 46993), (29, 47029), (31, 47110), (33, 47146), (34, 47158), (35, 47164), (36, 47365), (37, 47425), (46, 47743), (52, 47896), (53, 47965), (55, 47992), (59, 48073), (61, 48115), (63, 48151), (66, 48163), (69, 48220), (73, 48253), (74, 48298), (79, 48316), (82, 48361), (88, 48409), (91, 48442), (105, 48520), (109, 48547), (117, 48616), (118, 48637), (123, 48763), (126, 48814), (130, 48835), (131, 48847), (133, 48889), (140, 49039), (141, 49072), (142, 49075), (144, 49126), (146, 49171), (147, 49177), (148, 49219), (153, 49282), (158, 49360), (160, 49417), (161, 49435), (163, 49468), (164, 49471), (165, 49510), (166, 49513), (167, 49594), (168, 49597), (171, 49657), (172, 49681), (174, 49732), (175, 49756), (178, 49780), (184, 50032), (186, 50089), (193, 50347), (194, 50416), (198, 50464), (205, 50551), (206, 50584), (207, 50587),

Gene: EmmaElysia_97 Start: 44050, Stop: 48162, Start Num: 2

Candidate Starts for EmmaElysia_97:

(Start: 2 @44050 has 170 MA's), (10, 44161), (11, 44185), (23, 44449), (24, 44455), (26, 44521), (29, 44557), (31, 44638), (33, 44674), (34, 44686), (35, 44692), (36, 44893), (46, 45274), (52, 45427), (53, 45496), (55, 45523), (59, 45604), (61, 45646), (63, 45682), (66, 45694), (69, 45751), (73, 45784), (74, 45829), (79, 45847), (82, 45892), (88, 45940), (91, 45973), (98, 45997), (105, 46051), (109, 46078), (112, 46099), (117, 46147), (118, 46168), (123, 46294), (126, 46345), (130, 46366), (131, 46378), (133, 46420), (140, 46570), (141, 46603), (142, 46606), (144, 46657), (146, 46702), (147, 46708), (148, 46750), (153, 46813), (158, 46891), (160, 46948), (161, 46966), (163, 46999), (164, 47002), (165, 47041), (166, 47044), (167, 47125), (168, 47128), (171, 47188), (172, 47212), (174, 47263), (175, 47287), (178, 47311), (184, 47563), (186, 47620), (193, 47878), (194, 47947), (198, 47995), (205, 48082), (206, 48115), (207, 48118),

Gene: Erdmann_98 Start: 45071, Stop: 49180, Start Num: 2

Candidate Starts for Erdmann_98:

(Start: 2 @45071 has 170 MA's), (10, 45182), (11, 45206), (23, 45470), (24, 45476), (26, 45542), (29, 45578), (31, 45659), (33, 45695), (34, 45707), (35, 45713), (36, 45914), (37, 45974), (46, 46292), (52, 46445), (53, 46514), (55, 46541), (59, 46622), (61, 46664), (63, 46700), (66, 46712), (69, 46769), (73, 46802), (74, 46847), (79, 46865), (82, 46910), (88, 46958), (91, 46991), (105, 47069), (109, 47096), (117, 47165), (118, 47186), (123, 47312), (126, 47363), (130, 47384), (131, 47396), (133, 47438), (140, 47588), (141, 47621), (142, 47624), (144, 47675), (146, 47720), (147, 47726), (148, 47768), (153, 47831), (158, 47909), (160, 47966), (161, 47984), (163, 48017), (164, 48020), (165, 48059), (166, 48062), (167, 48143), (168, 48146), (171, 48206), (172, 48230), (174, 48281), (175, 48305), (178, 48329), (184, 48581), (186, 48638), (193, 48896), (194, 48965), (198, 49013), (205, 49100), (206, 49133), (207, 49136),

Gene: ErnieJ_93 Start: 43281, Stop: 47390, Start Num: 2

Candidate Starts for ErnieJ_93:

(Start: 2 @43281 has 170 MA's), (10, 43392), (11, 43416), (23, 43680), (24, 43686), (26, 43752), (29, 43788), (31, 43869), (33, 43905), (34, 43917), (35, 43923), (36, 44124), (37, 44184), (46, 44502), (52, 44655), (53, 44724), (55, 44751), (59, 44832), (61, 44874), (63, 44910), (66, 44922), (69, 44979), (73, 45012), (74, 45057), (79, 45075), (82, 45120), (88, 45168), (91, 45201), (105, 45279), (109, 45306), (117, 45375), (118, 45396), (123, 45522), (126, 45573), (130, 45594), (131, 45606), (133, 45648), (140, 45798), (141, 45831), (142, 45834), (144, 45885), (146, 45930), (147, 45936), (148, 45978), (153, 46041), (158, 46119), (160, 46176), (161, 46194), (163, 46227), (164, 46230), (165, 46269), (166, 46272), (167, 46353), (168, 46356), (171, 46416), (172, 46440), (174, 46491), (175, 46515), (178, 46539), (184, 46791), (186, 46848), (193, 47106), (194, 47175), (198, 47223), (205, 47310), (206, 47343), (207, 47346),

Gene: Essence_95 Start: 45037, Stop: 49149, Start Num: 2

Candidate Starts for Essence_95:

(Start: 2 @45037 has 170 MA's), (10, 45148), (11, 45172), (23, 45436), (24, 45442), (26, 45508), (29, 45544), (31, 45625), (33, 45661), (34, 45673), (35, 45679), (36, 45880), (46, 46261), (52, 46414), (53, 46483), (55, 46510), (59, 46591), (61, 46633), (63, 46669), (66, 46681), (69, 46738), (73, 46771), (74, 46816), (79, 46834), (82, 46879), (88, 46927), (91, 46960), (98, 46984), (105, 47038), (109, 47065), (112, 47086), (117, 47134), (118, 47155), (123, 47281), (126, 47332), (130, 47353), (131, 47365), (133, 47407), (140, 47557), (141, 47590), (142, 47593), (144, 47644), (146, 47689), (147, 47695), (148, 47737), (153, 47800), (158, 47878), (160, 47935), (161, 47953), (163, 47986), (164, 47989), (165, 48028), (166, 48031), (167, 48112), (168, 48115), (171, 48175), (172, 48199), (174, 48250), (175, 48274), (178, 48298), (184, 48550), (186, 48607), (193, 48865), (194, 48934), (198, 48982), (205, 49069), (206, 49102), (207, 49105),

Gene: Ewok_98 Start: 44698, Stop: 48807, Start Num: 2

Candidate Starts for Ewok_98:

(Start: 2 @44698 has 170 MA's), (10, 44809), (11, 44833), (23, 45097), (24, 45103), (26, 45169), (29, 45205), (31, 45286), (33, 45322), (34, 45334), (35, 45340), (36, 45541), (37, 45601), (46, 45919), (52, 46072), (53, 46141), (55, 46168), (59, 46249), (61, 46291), (63, 46327), (66, 46339), (69, 46396), (73, 46429), (74, 46474), (79, 46492), (82, 46537), (88, 46585), (91, 46618), (105, 46696), (109, 46723), (117, 46792), (118, 46813), (123, 46939), (126, 46990), (130, 47011), (131, 47023), (133, 47065), (140, 47215), (141, 47248), (142, 47251), (144, 47302), (146, 47347), (147, 47353), (148, 47395), (153, 47458), (158, 47536), (160, 47593), (161, 47611), (163, 47644), (164, 47647), (165, 47686), (166, 47689), (167, 47770), (168, 47773), (171, 47833), (172, 47857), (174, 47908), (175, 47932), (178, 47956), (184, 48208), (186, 48265), (193, 48523), (194, 48592), (198, 48640), (205, 48727), (206, 48760), (207, 48763),

Gene: Flabslab_92 Start: 43037, Stop: 47146, Start Num: 2

Candidate Starts for Flabslab_92:

(Start: 2 @43037 has 170 MA's), (10, 43148), (11, 43172), (23, 43436), (24, 43442), (26, 43508), (29, 43544), (31, 43625), (33, 43661), (34, 43673), (35, 43679), (36, 43880), (37, 43940), (46, 44258), (52, 44411), (53, 44480), (55, 44507), (59, 44588), (61, 44630), (63, 44666), (66, 44678), (69, 44735), (73, 44768), (74, 44813), (79, 44831), (82, 44876), (88, 44924), (91, 44957), (105, 45035), (109, 45062), (117, 45131), (118, 45152), (123, 45278), (126, 45329), (130, 45350), (131, 45362), (133, 45404), (140, 45554), (141, 45587), (142, 45590), (144, 45641), (146, 45686), (147, 45692), (148, 45734), (153, 45797), (158, 45875), (160, 45932), (161, 45950), (163, 45983), (164, 45986), (165, 46025), (166, 46028), (167, 46109), (168, 46112), (171, 46172), (172, 46196), (174, 46247), (175, 46271), (178, 46295), (184, 46547), (186, 46604), (193, 46862), (194, 46931), (198, 46979), (205, 47066), (206, 47099), (207, 47102),

Gene: Fludd_98 Start: 43923, Stop: 48035, Start Num: 2

Candidate Starts for Fludd_98:

(Start: 2 @43923 has 170 MA's), (10, 44034), (11, 44058), (23, 44322), (24, 44328), (26, 44394), (29, 44430), (31, 44511), (33, 44547), (34, 44559), (35, 44565), (36, 44766), (46, 45147), (52, 45300), (53, 45369), (55, 45396), (59, 45477), (61, 45519), (63, 45555), (66, 45567), (69, 45624), (73, 45657), (74, 45702), (79, 45720), (82, 45765), (88, 45813), (91, 45846), (98, 45870), (105, 45924), (109, 45951), (112, 45972), (117, 46020), (118, 46041), (123, 46167), (126, 46218), (130, 46239), (131, 46251), (133, 46293), (140, 46443), (141, 46476), (142, 46479), (144, 46530), (146, 46575), (147, 46581), (148, 46623), (153, 46686), (158, 46764), (160, 46821), (161, 46839), (163, 46872), (164, 46875), (165, 46914), (166, 46917), (167, 46998), (168, 47001), (171, 47061), (172, 47085), (174, 47136), (175, 47160), (178, 47184), (184, 47436), (186, 47493), (193, 47751), (194, 47820), (198, 47868), (205, 47955), (206, 47988), (207, 47991),

Gene: FoxtrotP1_97 Start: 46241, Stop: 50350, Start Num: 2

Candidate Starts for FoxtrotP1_97:

(Start: 2 @46241 has 170 MA's), (10, 46352), (11, 46376), (23, 46640), (24, 46646), (26, 46712), (29, 46748), (31, 46829), (33, 46865), (34, 46877), (35, 46883), (36, 47084), (37, 47144), (46, 47462), (52, 47615), (53, 47684), (55, 47711), (59, 47792), (61, 47834), (63, 47870), (66, 47882), (69, 47939), (73, 47972), (74, 48017), (79, 48035), (82, 48080), (88, 48128), (91, 48161), (98, 48185), (105, 48239), (109, 48266), (112, 48287), (117, 48335), (118, 48356), (123, 48482), (126, 48533), (130, 48554), (131, 48566), (133, 48608), (140, 48758), (141, 48791), (142, 48794), (144, 48845), (146, 48890), (147, 48896), (148, 48938), (153, 49001), (158, 49079), (160, 49136), (161, 49154), (163, 49187), (164, 49190), (165, 49229), (166, 49232), (167, 49313), (168, 49316), (171, 49376), (172, 49400), (174, 49451), (175, 49475), (178, 49499), (184, 49751), (186, 49808), (193, 50066), (194, 50135), (198, 50183), (205, 50270), (206, 50303), (207, 50306),

Gene: FrayBell_103 Start: 46523, Stop: 50635, Start Num: 2

Candidate Starts for FrayBell_103:

(Start: 2 @46523 has 170 MA's), (10, 46634), (11, 46658), (23, 46922), (24, 46928), (26, 46994), (29, 47030), (31, 47111), (33, 47147), (34, 47159), (35, 47165), (36, 47366), (46, 47747), (52, 47900), (53, 47969), (55, 47996), (59, 48077), (61, 48119), (63, 48155), (66, 48167), (69, 48224), (73, 48257), (74, 48302), (79, 48320), (82, 48365), (88, 48413), (91, 48446), (98, 48470), (105, 48524), (109, 48551), (112, 48572), (117, 48620), (118, 48641), (123, 48767), (126, 48818), (130, 48839), (131, 48851), (133, 48893), (140, 49043), (141, 49076), (142, 49079), (144, 49130), (146, 49175), (147, 49181), (148, 49223), (153, 49286), (158, 49364), (160, 49421), (161, 49439), (163, 49472), (164, 49475), (165, 49514), (166, 49517), (167, 49598), (168, 49601), (171, 49661), (172, 49685), (174, 49736), (175, 49760), (178, 49784), (184, 50036), (186, 50093), (193, 50351), (194, 50420), (198, 50468), (205, 50555), (206, 50588), (207, 50591),

Gene: FudgeTart_97 Start: 44279, Stop: 48448, Start Num: 2

Candidate Starts for FudgeTart_97:

(Start: 2 @44279 has 170 MA's), (10, 44390), (11, 44414), (23, 44678), (24, 44684), (26, 44750), (29, 44786), (31, 44867), (33, 44903), (34, 44915), (35, 44921), (36, 45122), (37, 45182), (48, 45551), (49, 45572), (50, 45608), (53, 45728), (59, 45842), (60, 45875), (61, 45884), (67, 45980), (68, 45998), (73, 46070), (74, 46115), (79, 46133), (82, 46178), (88, 46226), (91, 46259), (98, 46283), (105, 46337), (109, 46364), (112, 46385), (117, 46433), (118, 46454), (123, 46580), (126, 46631), (130, 46652), (131, 46664), (133, 46706), (140, 46856), (141, 46889), (142, 46892), (144, 46943), (146, 46988), (147, 46994), (148, 47036), (153, 47099), (158, 47177), (160, 47234), (161, 47252), (163, 47285), (164, 47288), (165, 47327), (166, 47330), (167, 47411), (168, 47414), (171, 47474), (172, 47498), (174, 47549), (175, 47573), (178, 47597), (184, 47849), (186, 47906), (193, 48164), (194, 48233), (198, 48281), (205, 48368), (206, 48401), (207, 48404),

Gene: Gabriel_99 Start: 44443, Stop: 48555, Start Num: 2

Candidate Starts for Gabriel_99:

(Start: 2 @44443 has 170 MA's), (10, 44554), (11, 44578), (23, 44842), (24, 44848), (26, 44914), (29, 44950), (31, 45031), (33, 45067), (34, 45079), (35, 45085), (36, 45286), (46, 45667), (52, 45820), (53, 45889), (55, 45916), (59, 45997), (61, 46039), (63, 46075), (66, 46087), (69, 46144), (73, 46177), (74, 46222), (79, 46240), (82, 46285), (88, 46333), (91, 46366), (98, 46390), (105, 46444), (109, 46471), (112, 46492), (117, 46540), (118, 46561), (123, 46687), (126, 46738), (130, 46759), (131, 46771), (133, 46813), (140, 46963), (141, 46996), (142, 46999), (144, 47050), (146, 47095), (147, 47101), (148, 47143), (153, 47206), (158, 47284), (160, 47341), (161, 47359), (163, 47392), (164, 47395), (165, 47434), (166, 47437), (167, 47518), (168, 47521), (171, 47581), (172, 47605), (174, 47656), (175, 47680), (178, 47704), (184, 47956), (186, 48013), (193, 48271), (194, 48340), (198, 48388), (205, 48475), (206, 48508), (207, 48511),

Gene: Gamgam_98 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Gamgam_98:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Ghost_97 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Ghost_97:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Gizmo_101 Start: 46218, Stop: 50330, Start Num: 2

Candidate Starts for Gizmo_101:

(Start: 2 @46218 has 170 MA's), (10, 46329), (11, 46353), (23, 46617), (24, 46623), (26, 46689), (29, 46725), (31, 46806), (33, 46842), (34, 46854), (35, 46860), (36, 47061), (46, 47442), (52, 47595), (53, 47664), (55, 47691), (59, 47772), (61, 47814), (63, 47850), (66, 47862), (69, 47919), (73, 47952), (74, 47997), (79, 48015), (82, 48060), (88, 48108), (91, 48141), (98, 48165), (105, 48219), (109, 48246), (112, 48267), (117, 48315), (118, 48336), (123, 48462), (126, 48513), (130, 48534), (131, 48546), (133, 48588), (140, 48738), (141, 48771), (142, 48774), (144, 48825), (146, 48870), (147, 48876), (148, 48918), (153, 48981), (158, 49059), (160, 49116), (161, 49134), (163, 49167), (164, 49170), (165, 49209), (166, 49212), (167, 49293), (168, 49296), (171, 49356), (172, 49380), (174, 49431), (175, 49455), (178, 49479), (184, 49731), (186, 49788), (193, 50046), (194, 50115), (198, 50163), (205, 50250), (206, 50283), (207, 50286),

Gene: Grasshills_104 Start: 47262, Stop: 51122, Start Num: 2

Candidate Starts for Grasshills_104:

(Start: 2 @47262 has 170 MA's), (10, 47373), (23, 47661), (24, 47667), (26, 47733), (29, 47769), (31, 47850), (33, 47886), (34, 47898), (35, 47904), (49, 48246), (50, 48282), (53, 48402), (58, 48486), (59, 48516), (60, 48549), (61, 48558), (67, 48654), (68, 48672), (73, 48744), (74, 48789), (79, 48807), (82, 48852), (88, 48900), (91, 48933), (98, 48957), (105, 49011), (109, 49038), (112, 49059), (117, 49107), (118, 49128), (123, 49254), (126, 49305), (130, 49326), (131, 49338), (133, 49380), (140, 49530), (141, 49563), (142, 49566), (144, 49617), (146, 49662), (147, 49668), (148, 49710), (153, 49773), (158, 49851), (160, 49908), (161, 49926), (163, 49959), (164, 49962), (165, 50001), (166, 50004), (167, 50085), (168, 50088), (171, 50148), (172, 50172), (174, 50223), (175, 50247), (178, 50271), (184, 50523), (186, 50580), (193, 50838), (194, 50907), (198, 50955), (205, 51042), (206, 51075), (207, 51078),

Gene: Greely_99 Start: 46059, Stop: 49655, Start Num: 2

Candidate Starts for Greely_99:

(Start: 2 @46059 has 170 MA's), (5, 46083), (11, 46194), (15, 46278), (17, 46335), (18, 46338), (24, 46464), (25, 46521), (26, 46530), (30, 46596), (35, 46701), (50, 46899), (53, 47010), (56, 47076), (59, 47124), (60, 47157), (61, 47166), (71, 47232), (83, 47343), (101, 47487), (102, 47496), (103, 47499), (106, 47526), (120, 47652), (122, 47718), (127, 47811), (130, 47832), (135, 47973), (136, 48021), (140, 48051), (144, 48135), (146, 48180), (147, 48186), (152, 48237), (153, 48261), (160, 48393), (161, 48411), (162, 48429), (166, 48483), (169, 48570), (170, 48618), (184, 49053), (185, 49101), (187, 49116), (193, 49353), (194, 49422), (196, 49440), (197, 49455), (199, 49473), (202, 49548), (209, 49644),

Gene: Grungle_85 Start: 41901, Stop: 45761, Start Num: 2

Candidate Starts for Grungle_85:

(Start: 2 @41901 has 170 MA's), (10, 42012), (11, 42036), (23, 42300), (24, 42306), (26, 42372), (29, 42408), (31, 42489), (33, 42525), (34, 42537), (35, 42543), (48, 42864), (49, 42885), (50, 42921), (53, 43041), (59, 43155), (60, 43188), (61, 43197), (67, 43293), (68, 43311), (73, 43383), (74, 43428), (79, 43446), (82, 43491), (88, 43539), (91, 43572), (98, 43596), (105, 43650), (109, 43677), (112, 43698), (117, 43746), (118, 43767), (123, 43893), (126, 43944), (130, 43965), (131, 43977), (133, 44019), (140, 44169), (141, 44202), (142, 44205), (144, 44256), (146, 44301), (147, 44307), (148, 44349), (153, 44412), (158, 44490), (160, 44547), (161, 44565), (163, 44598), (164, 44601), (165, 44640), (166, 44643), (167, 44724), (168, 44727), (171, 44787), (172, 44811), (174, 44862), (175, 44886), (178, 44910), (184, 45162), (186, 45219), (193, 45477), (194, 45546), (198, 45594), (205, 45681), (206, 45714), (207, 45717),

Gene: Guwapp_97 Start: 44608, Stop: 48720, Start Num: 2

Candidate Starts for Guwapp_97:

(Start: 2 @44608 has 170 MA's), (10, 44719), (11, 44743), (23, 45007), (24, 45013), (26, 45079), (29, 45115), (31, 45196), (33, 45232), (34, 45244), (35, 45250), (36, 45451), (46, 45832), (52, 45985), (53, 46054), (55, 46081), (59, 46162), (61, 46204), (63, 46240), (66, 46252), (69, 46309), (73, 46342), (74,

46387), (79, 46405), (82, 46450), (88, 46498), (91, 46531), (98, 46555), (105, 46609), (109, 46636), (112, 46657), (117, 46705), (118, 46726), (123, 46852), (126, 46903), (130, 46924), (131, 46936), (133, 46978), (140, 47128), (141, 47161), (142, 47164), (144, 47215), (146, 47260), (147, 47266), (148, 47308), (153, 47371), (158, 47449), (160, 47506), (161, 47524), (163, 47557), (164, 47560), (165, 47599), (166, 47602), (167, 47683), (168, 47686), (171, 47746), (172, 47770), (174, 47821), (175, 47845), (178, 47869), (184, 48121), (186, 48178), (193, 48436), (194, 48505), (198, 48553), (205, 48640), (206, 48673), (207, 48676),

Gene: HyRo_89 Start: 43430, Stop: 47965, Start Num: 2

Candidate Starts for HyRo_89:

(Start: 2 @43430 has 170 MA's), (10, 43541), (11, 43565), (23, 43829), (24, 43835), (26, 43901), (29, 43937), (31, 44018), (33, 44054), (34, 44066), (35, 44072), (36, 44273), (37, 44333), (49, 44723), (50, 44759), (53, 44879), (54, 44897), (59, 44993), (60, 45026), (61, 45035), (67, 45131), (68, 45149), (73, 45221), (75, 45341), (77, 45404), (78, 45440), (81, 45488), (85, 45539), (86, 45545), (87, 45548), (89, 45584), (92, 45632), (95, 45650), (99, 45695), (104, 45743), (105, 45776), (110, 45854), (111, 45881), (117, 45950), (118, 45971), (123, 46097), (126, 46148), (130, 46169), (131, 46181), (133, 46223), (140, 46373), (141, 46406), (142, 46409), (144, 46460), (146, 46505), (147, 46511), (148, 46553), (153, 46616), (158, 46694), (160, 46751), (161, 46769), (163, 46802), (164, 46805), (165, 46844), (166, 46847), (167, 46928), (168, 46931), (171, 46991), (172, 47015), (174, 47066), (175, 47090), (178, 47114), (184, 47366), (186, 47423), (193, 47681), (194, 47750), (198, 47798), (205, 47885), (206, 47918), (207, 47921),

Gene: I3_103 Start: 45365, Stop: 49591, Start Num: 2

Candidate Starts for I3_103:

(Start: 2 @45365 has 170 MA's), (10, 45476), (11, 45500), (23, 45764), (24, 45770), (26, 45836), (29, 45872), (31, 45953), (34, 46001), (35, 46007), (49, 46349), (50, 46385), (53, 46505), (54, 46523), (59, 46619), (60, 46652), (61, 46661), (67, 46757), (68, 46775), (73, 46847), (75, 46967), (77, 47030), (78, 47066), (81, 47114), (85, 47165), (86, 47171), (87, 47174), (89, 47210), (92, 47258), (95, 47276), (99, 47321), (104, 47369), (105, 47402), (107, 47426), (110, 47480), (111, 47507), (112, 47528), (117, 47576), (118, 47597), (123, 47723), (126, 47774), (130, 47795), (131, 47807), (133, 47849), (140, 47999), (141, 48032), (142, 48035), (144, 48086), (146, 48131), (147, 48137), (148, 48179), (153, 48242), (158, 48320), (160, 48377), (161, 48395), (163, 48428), (164, 48431), (165, 48470), (166, 48473), (167, 48554), (168, 48557), (171, 48617), (172, 48641), (174, 48692), (175, 48716), (178, 48740), (184, 48992), (186, 49049), (193, 49307), (194, 49376), (198, 49424), (205, 49511), (206, 49544), (207, 49547),

Gene: IkeLoa_91 Start: 43600, Stop: 47769, Start Num: 2

Candidate Starts for IkeLoa_91:

(Start: 2 @43600 has 170 MA's), (10, 43711), (11, 43735), (23, 43999), (24, 44005), (26, 44071), (29, 44107), (31, 44188), (33, 44224), (34, 44236), (35, 44242), (36, 44443), (37, 44503), (49, 44893), (50, 44929), (53, 45049), (54, 45067), (59, 45163), (60, 45196), (61, 45205), (67, 45301), (68, 45319), (73, 45391), (74, 45436), (79, 45454), (82, 45499), (88, 45547), (91, 45580), (98, 45604), (105, 45658), (109, 45685), (112, 45706), (117, 45754), (118, 45775), (123, 45901), (126, 45952), (130, 45973), (131, 45985), (133, 46027), (140, 46177), (141, 46210), (142, 46213), (144, 46264), (146, 46309), (147, 46315), (148, 46357), (153, 46420), (158, 46498), (160, 46555), (161, 46573), (163, 46606), (164, 46609), (165, 46648), (166, 46651), (167, 46732), (168, 46735), (171, 46795), (172, 46819), (174, 46870), (175, 46894), (178, 46918), (184, 47170), (186, 47227), (193, 47485), (194, 47554), (198, 47602), (205, 47689), (206, 47722), (207, 47725),

Gene: InigoMontoya_99 Start: 44444, Stop: 48556, Start Num: 2

Candidate Starts for InigoMontoya_99:

(Start: 2 @44444 has 170 MA's), (10, 44555), (11, 44579), (23, 44843), (24, 44849), (26, 44915), (29, 44951), (31, 45032), (33, 45068), (34, 45080), (35, 45086), (36, 45287), (46, 45668), (52, 45821), (53,

45890), (55, 45917), (59, 45998), (61, 46040), (63, 46076), (66, 46088), (69, 46145), (73, 46178), (74, 46223), (79, 46241), (82, 46286), (88, 46334), (91, 46367), (98, 46391), (105, 46445), (109, 46472), (112, 46493), (117, 46541), (118, 46562), (123, 46688), (126, 46739), (130, 46760), (131, 46772), (133, 46814), (140, 46964), (141, 46997), (142, 47000), (144, 47051), (146, 47096), (147, 47102), (148, 47144), (153, 47207), (158, 47285), (160, 47342), (161, 47360), (163, 47393), (164, 47396), (165, 47435), (166, 47438), (167, 47519), (168, 47522), (171, 47582), (172, 47606), (174, 47657), (175, 47681), (178, 47705), (184, 47957), (186, 48014), (193, 48272), (194, 48341), (198, 48389), (205, 48476), (206, 48509), (207, 48512),

Gene: InterFolia_106 Start: 47458, Stop: 51570, Start Num: 2

Candidate Starts for InterFolia_106:

(Start: 2 @47458 has 170 MA's), (10, 47569), (11, 47593), (23, 47857), (24, 47863), (26, 47929), (29, 47965), (31, 48046), (33, 48082), (34, 48094), (35, 48100), (36, 48301), (46, 48682), (52, 48835), (53, 48904), (55, 48931), (59, 49012), (61, 49054), (63, 49090), (66, 49102), (69, 49159), (73, 49192), (74, 49237), (79, 49255), (82, 49300), (88, 49348), (91, 49381), (98, 49405), (105, 49459), (109, 49486), (112, 49507), (117, 49555), (118, 49576), (123, 49702), (126, 49753), (130, 49774), (131, 49786), (133, 49828), (140, 49978), (141, 50011), (142, 50014), (144, 50065), (146, 50110), (147, 50116), (148, 50158), (153, 50221), (158, 50299), (160, 50356), (161, 50374), (163, 50407), (164, 50410), (165, 50449), (166, 50452), (167, 50533), (168, 50536), (171, 50596), (172, 50620), (174, 50671), (175, 50695), (178, 50719), (184, 50971), (186, 51028), (193, 51286), (194, 51355), (198, 51403), (205, 51490), (206, 51523), (207, 51526),

Gene: Iota_92 Start: 44260, Stop: 48120, Start Num: 2

Candidate Starts for Iota_92:

(Start: 2 @44260 has 170 MA's), (10, 44371), (11, 44395), (23, 44659), (24, 44665), (26, 44731), (29, 44767), (31, 44848), (34, 44896), (35, 44902), (48, 45223), (49, 45244), (50, 45280), (53, 45400), (54, 45418), (59, 45514), (60, 45547), (61, 45556), (67, 45652), (68, 45670), (73, 45742), (74, 45787), (79, 45805), (82, 45850), (88, 45898), (91, 45931), (98, 45955), (105, 46009), (109, 46036), (112, 46057), (117, 46105), (118, 46126), (123, 46252), (126, 46303), (130, 46324), (131, 46336), (133, 46378), (140, 46528), (141, 46561), (142, 46564), (144, 46615), (146, 46660), (147, 46666), (148, 46708), (153, 46771), (158, 46849), (160, 46906), (161, 46924), (163, 46957), (164, 46960), (165, 46999), (166, 47002), (167, 47083), (168, 47086), (171, 47146), (172, 47170), (174, 47221), (175, 47245), (178, 47269), (184, 47521), (186, 47578), (193, 47836), (194, 47905), (198, 47953), (205, 48040), (206, 48073), (207, 48076),

Gene: Issimir_96 Start: 45014, Stop: 49123, Start Num: 2

Candidate Starts for Issimir_96:

(Start: 2 @45014 has 170 MA's), (10, 45125), (11, 45149), (23, 45413), (24, 45419), (26, 45485), (29, 45521), (31, 45602), (33, 45638), (34, 45650), (35, 45656), (36, 45857), (37, 45917), (46, 46235), (52, 46388), (53, 46457), (55, 46484), (59, 46565), (61, 46607), (63, 46643), (66, 46655), (69, 46712), (73, 46745), (74, 46790), (79, 46808), (82, 46853), (88, 46901), (91, 46934), (98, 46958), (105, 47012), (109, 47039), (112, 47060), (117, 47108), (118, 47129), (123, 47255), (126, 47306), (130, 47327), (131, 47339), (133, 47381), (140, 47531), (141, 47564), (142, 47567), (144, 47618), (146, 47663), (147, 47669), (148, 47711), (153, 47774), (158, 47852), (160, 47909), (161, 47927), (163, 47960), (164, 47963), (165, 48002), (166, 48005), (167, 48086), (168, 48089), (171, 48149), (172, 48173), (174, 48224), (175, 48248), (178, 48272), (184, 48524), (186, 48581), (193, 48839), (194, 48908), (198, 48956), (205, 49043), (206, 49076), (207, 49079),

Gene: Izajani_97 Start: 45251, Stop: 49360, Start Num: 2

Candidate Starts for Izajani_97:

(Start: 2 @45251 has 170 MA's), (10, 45362), (11, 45386), (23, 45650), (24, 45656), (26, 45722), (29, 45758), (31, 45839), (33, 45875), (34, 45887), (35, 45893), (36, 46094), (37, 46154), (46, 46472), (52, 46625), (53, 46694), (55, 46721), (59, 46802), (61, 46844), (63, 46880), (66, 46892), (69, 46949), (73,

46982), (74, 47027), (79, 47045), (82, 47090), (88, 47138), (91, 47171), (105, 47249), (109, 47276), (117, 47345), (118, 47366), (123, 47492), (126, 47543), (130, 47564), (131, 47576), (133, 47618), (140, 47768), (141, 47801), (142, 47804), (144, 47855), (146, 47900), (147, 47906), (148, 47948), (153, 48011), (158, 48089), (160, 48146), (161, 48164), (163, 48197), (164, 48200), (165, 48239), (166, 48242), (167, 48323), (168, 48326), (171, 48386), (172, 48410), (174, 48461), (175, 48485), (178, 48509), (184, 48761), (186, 48818), (193, 49076), (194, 49145), (198, 49193), (205, 49280), (206, 49313), (207, 49316),

Gene: JPickles_96 Start: 43714, Stop: 47826, Start Num: 2

Candidate Starts for JPickles_96:

(Start: 2 @43714 has 170 MA's), (10, 43825), (11, 43849), (23, 44113), (24, 44119), (26, 44185), (29, 44221), (31, 44302), (33, 44338), (34, 44350), (35, 44356), (36, 44557), (46, 44938), (52, 45091), (53, 45160), (55, 45187), (59, 45268), (61, 45310), (63, 45346), (66, 45358), (69, 45415), (73, 45448), (74, 45493), (79, 45511), (82, 45556), (88, 45604), (91, 45637), (98, 45661), (105, 45715), (109, 45742), (112, 45763), (117, 45811), (118, 45832), (123, 45958), (126, 46009), (130, 46030), (131, 46042), (133, 46084), (140, 46234), (141, 46267), (142, 46270), (144, 46321), (146, 46366), (147, 46372), (148, 46414), (153, 46477), (158, 46555), (160, 46612), (161, 46630), (163, 46663), (164, 46666), (165, 46705), (166, 46708), (167, 46789), (168, 46792), (171, 46852), (172, 46876), (174, 46927), (175, 46951), (178, 46975), (184, 47227), (186, 47284), (193, 47542), (194, 47611), (198, 47659), (205, 47746), (206, 47779), (207, 47782),

Gene: Janiyra_99 Start: 44529, Stop: 48638, Start Num: 2

Candidate Starts for Janiyra_99:

(Start: 2 @44529 has 170 MA's), (10, 44640), (11, 44664), (23, 44928), (24, 44934), (26, 45000), (29, 45036), (31, 45117), (33, 45153), (34, 45165), (35, 45171), (36, 45372), (37, 45432), (46, 45750), (52, 45903), (53, 45972), (55, 45999), (59, 46080), (61, 46122), (63, 46158), (66, 46170), (69, 46227), (73, 46260), (74, 46305), (79, 46323), (82, 46368), (88, 46416), (91, 46449), (105, 46527), (109, 46554), (117, 46623), (118, 46644), (123, 46770), (126, 46821), (130, 46842), (131, 46854), (133, 46896), (140, 47046), (141, 47079), (142, 47082), (144, 47133), (146, 47178), (147, 47184), (148, 47226), (153, 47289), (158, 47367), (160, 47424), (161, 47442), (163, 47475), (164, 47478), (165, 47517), (166, 47520), (167, 47601), (168, 47604), (171, 47664), (172, 47688), (174, 47739), (175, 47763), (178, 47787), (184, 48039), (186, 48096), (193, 48354), (194, 48423), (198, 48471), (205, 48558), (206, 48591), (207, 48594),

Gene: JayJay_99 Start: 46545, Stop: 50405, Start Num: 2

Candidate Starts for JayJay_99:

(Start: 2 @46545 has 170 MA's), (10, 46656), (11, 46680), (23, 46944), (24, 46950), (26, 47016), (29, 47052), (31, 47133), (33, 47169), (34, 47181), (35, 47187), (48, 47508), (49, 47529), (50, 47565), (53, 47685), (59, 47799), (60, 47832), (61, 47841), (67, 47937), (68, 47955), (73, 48027), (74, 48072), (79, 48090), (82, 48135), (88, 48183), (91, 48216), (98, 48240), (105, 48294), (109, 48321), (112, 48342), (117, 48390), (118, 48411), (123, 48537), (126, 48588), (130, 48609), (131, 48621), (133, 48663), (140, 48813), (141, 48846), (142, 48849), (144, 48900), (146, 48945), (147, 48951), (148, 48993), (153, 49056), (158, 49134), (160, 49191), (161, 49209), (163, 49242), (164, 49245), (165, 49284), (166, 49287), (167, 49368), (168, 49371), (171, 49431), (172, 49455), (174, 49506), (175, 49530), (178, 49554), (184, 49806), (186, 49863), (193, 50121), (194, 50190), (198, 50238), (205, 50325), (206, 50358), (207, 50361),

Gene: Jaygup_98 Start: 45239, Stop: 49351, Start Num: 2

Candidate Starts for Jaygup_98:

(Start: 2 @45239 has 170 MA's), (10, 45350), (11, 45374), (23, 45638), (24, 45644), (26, 45710), (29, 45746), (31, 45827), (33, 45863), (34, 45875), (35, 45881), (36, 46082), (46, 46463), (52, 46616), (53, 46685), (55, 46712), (59, 46793), (61, 46835), (63, 46871), (66, 46883), (69, 46940), (73, 46973), (74, 47018), (79, 47036), (82, 47081), (88, 47129), (91, 47162), (98, 47186), (105, 47240), (109, 47267),

(112, 47288), (117, 47336), (118, 47357), (123, 47483), (126, 47534), (130, 47555), (131, 47567), (133, 47609), (140, 47759), (141, 47792), (142, 47795), (144, 47846), (146, 47891), (147, 47897), (148, 47939), (153, 48002), (158, 48080), (160, 48137), (161, 48155), (163, 48188), (164, 48191), (165, 48230), (166, 48233), (167, 48314), (168, 48317), (171, 48377), (172, 48401), (174, 48452), (175, 48476), (178, 48500), (184, 48752), (186, 48809), (193, 49067), (194, 49136), (198, 49184), (205, 49271), (206, 49304), (207, 49307),

Gene: Jedediah_101 Start: 45772, Stop: 49884, Start Num: 2

Candidate Starts for Jedediah_101:

(Start: 2 @45772 has 170 MA's), (10, 45883), (11, 45907), (23, 46171), (24, 46177), (26, 46243), (29, 46279), (31, 46360), (33, 46396), (34, 46408), (35, 46414), (36, 46615), (46, 46996), (52, 47149), (53, 47218), (55, 47245), (59, 47326), (61, 47368), (63, 47404), (66, 47416), (69, 47473), (73, 47506), (74, 47551), (79, 47569), (82, 47614), (88, 47662), (91, 47695), (98, 47719), (105, 47773), (109, 47800), (112, 47821), (117, 47869), (118, 47890), (123, 48016), (126, 48067), (130, 48088), (131, 48100), (133, 48142), (140, 48292), (141, 48325), (142, 48328), (144, 48379), (146, 48424), (147, 48430), (148, 48472), (153, 48535), (158, 48613), (160, 48670), (161, 48688), (163, 48721), (164, 48724), (165, 48763), (166, 48766), (167, 48847), (168, 48850), (171, 48910), (172, 48934), (174, 48985), (175, 49009), (178, 49033), (184, 49285), (186, 49342), (193, 49600), (194, 49669), (198, 49717), (205, 49804), (206, 49837), (207, 49840),

Gene: Jemmno_98 Start: 45219, Stop: 49331, Start Num: 2

Candidate Starts for Jemmno_98:

(Start: 2 @45219 has 170 MA's), (10, 45330), (11, 45354), (23, 45618), (24, 45624), (26, 45690), (29, 45726), (31, 45807), (33, 45843), (34, 45855), (35, 45861), (36, 46062), (46, 46443), (52, 46596), (53, 46665), (55, 46692), (59, 46773), (61, 46815), (63, 46851), (66, 46863), (69, 46920), (73, 46953), (74, 46998), (79, 47016), (82, 47061), (88, 47109), (91, 47142), (98, 47166), (105, 47220), (109, 47247), (112, 47268), (117, 47316), (118, 47337), (123, 47463), (126, 47514), (130, 47535), (131, 47547), (133, 47589), (140, 47739), (141, 47772), (142, 47775), (144, 47826), (146, 47871), (147, 47877), (148, 47919), (153, 47982), (158, 48060), (160, 48117), (161, 48135), (163, 48168), (164, 48171), (165, 48210), (166, 48213), (167, 48294), (168, 48297), (171, 48357), (172, 48381), (174, 48432), (175, 48456), (178, 48480), (184, 48732), (186, 48789), (193, 49047), (194, 49116), (198, 49164), (205, 49251), (206, 49284), (207, 49287),

Gene: Jessibeth14_96 Start: 44856, Stop: 48965, Start Num: 2

Candidate Starts for Jessibeth14_96:

(Start: 2 @44856 has 170 MA's), (10, 44967), (11, 44991), (23, 45255), (24, 45261), (26, 45327), (29, 45363), (31, 45444), (33, 45480), (34, 45492), (35, 45498), (36, 45699), (37, 45759), (46, 46077), (52, 46230), (53, 46299), (55, 46326), (59, 46407), (61, 46449), (63, 46485), (66, 46497), (69, 46554), (73, 46587), (74, 46632), (79, 46650), (82, 46695), (88, 46743), (91, 46776), (105, 46854), (109, 46881), (117, 46950), (118, 46971), (123, 47097), (126, 47148), (130, 47169), (131, 47181), (133, 47223), (140, 47373), (141, 47406), (142, 47409), (144, 47460), (146, 47505), (147, 47511), (148, 47553), (153, 47616), (158, 47694), (160, 47751), (161, 47769), (163, 47802), (164, 47805), (165, 47844), (166, 47847), (167, 47928), (168, 47931), (171, 47991), (172, 48015), (174, 48066), (175, 48090), (178, 48114), (184, 48366), (186, 48423), (193, 48681), (194, 48750), (198, 48798), (205, 48885), (206, 48918), (207, 48921),

Gene: JulietS_92 Start: 42782, Stop: 46642, Start Num: 2

Candidate Starts for JulietS_92:

(Start: 2 @42782 has 170 MA's), (10, 42893), (11, 42917), (23, 43181), (24, 43187), (26, 43253), (29, 43289), (31, 43370), (33, 43406), (34, 43418), (35, 43424), (48, 43745), (49, 43766), (50, 43802), (53, 43922), (59, 44036), (60, 44069), (61, 44078), (67, 44174), (68, 44192), (73, 44264), (74, 44309), (79, 44327), (82, 44372), (88, 44420), (91, 44453), (98, 44477), (105, 44531), (109, 44558), (112, 44579), (117, 44627), (118, 44648), (123, 44774), (126, 44825), (130, 44846), (131, 44858), (133, 44900),

(140, 45050), (141, 45083), (142, 45086), (144, 45137), (146, 45182), (147, 45188), (148, 45230), (153, 45293), (158, 45371), (160, 45428), (161, 45446), (163, 45479), (164, 45482), (165, 45521), (166, 45524), (167, 45605), (168, 45608), (171, 45668), (172, 45692), (174, 45743), (175, 45767), (178, 45791), (184, 46043), (186, 46100), (193, 46358), (194, 46427), (198, 46475), (205, 46562), (206, 46595), (207, 46598),

Gene: JustHall_94 Start: 44391, Stop: 48503, Start Num: 2

Candidate Starts for JustHall_94:

(Start: 2 @44391 has 170 MA's), (10, 44502), (11, 44526), (23, 44790), (24, 44796), (26, 44862), (29, 44898), (31, 44979), (33, 45015), (34, 45027), (35, 45033), (36, 45234), (46, 45615), (52, 45768), (53, 45837), (55, 45864), (59, 45945), (61, 45987), (63, 46023), (66, 46035), (69, 46092), (73, 46125), (74, 46170), (79, 46188), (82, 46233), (88, 46281), (91, 46314), (98, 46338), (105, 46392), (109, 46419), (112, 46440), (117, 46488), (118, 46509), (123, 46635), (126, 46686), (130, 46707), (131, 46719), (133, 46761), (140, 46911), (141, 46944), (142, 46947), (144, 46998), (146, 47043), (147, 47049), (148, 47091), (153, 47154), (158, 47232), (160, 47289), (161, 47307), (163, 47340), (164, 47343), (165, 47382), (166, 47385), (167, 47466), (168, 47469), (171, 47529), (172, 47553), (174, 47604), (175, 47628), (178, 47652), (184, 47904), (186, 47961), (193, 48219), (194, 48288), (198, 48336), (205, 48423), (206, 48456), (207, 48459),

Gene: Kamryn_97 Start: 45595, Stop: 49764, Start Num: 2

Candidate Starts for Kamryn_97:

(Start: 2 @45595 has 170 MA's), (10, 45706), (11, 45730), (23, 45994), (24, 46000), (26, 46066), (29, 46102), (31, 46183), (33, 46219), (34, 46231), (35, 46237), (36, 46438), (37, 46498), (49, 46888), (50, 46924), (53, 47044), (54, 47062), (59, 47158), (60, 47191), (61, 47200), (67, 47296), (68, 47314), (73, 47386), (74, 47431), (79, 47449), (82, 47494), (88, 47542), (91, 47575), (98, 47599), (105, 47653), (109, 47680), (112, 47701), (117, 47749), (118, 47770), (123, 47896), (126, 47947), (130, 47968), (131, 47980), (133, 48022), (140, 48172), (141, 48205), (142, 48208), (144, 48259), (146, 48304), (147, 48310), (148, 48352), (153, 48415), (158, 48493), (160, 48550), (161, 48568), (163, 48601), (164, 48604), (165, 48643), (166, 48646), (167, 48727), (168, 48730), (171, 48790), (172, 48814), (174, 48865), (175, 48889), (178, 48913), (184, 49165), (186, 49222), (193, 49480), (194, 49549), (198, 49597), (205, 49684), (206, 49717), (207, 49720),

Gene: Kboogie_101 Start: 44035, Stop: 48144, Start Num: 2

Candidate Starts for Kboogie_101:

(Start: 2 @44035 has 170 MA's), (10, 44146), (11, 44170), (23, 44434), (24, 44440), (26, 44506), (29, 44542), (31, 44623), (33, 44659), (34, 44671), (35, 44677), (36, 44878), (37, 44938), (46, 45256), (52, 45409), (53, 45478), (55, 45505), (59, 45586), (61, 45628), (63, 45664), (66, 45676), (69, 45733), (73, 45766), (74, 45811), (79, 45829), (82, 45874), (88, 45922), (91, 45955), (105, 46033), (109, 46060), (117, 46129), (118, 46150), (123, 46276), (126, 46327), (130, 46348), (131, 46360), (133, 46402), (140, 46552), (141, 46585), (142, 46588), (144, 46639), (146, 46684), (147, 46690), (148, 46732), (153, 46795), (158, 46873), (160, 46930), (161, 46948), (163, 46981), (164, 46984), (165, 47023), (166, 47026), (167, 47107), (168, 47110), (171, 47170), (172, 47194), (174, 47245), (175, 47269), (178, 47293), (184, 47545), (186, 47602), (193, 47860), (194, 47929), (198, 47977), (205, 48064), (206, 48097), (207, 48100),

Gene: Khaleesi_96 Start: 44818, Stop: 48927, Start Num: 2

Candidate Starts for Khaleesi_96:

(Start: 2 @44818 has 170 MA's), (10, 44929), (11, 44953), (23, 45217), (24, 45223), (26, 45289), (29, 45325), (31, 45406), (33, 45442), (34, 45454), (35, 45460), (36, 45661), (37, 45721), (46, 46039), (52, 46192), (53, 46261), (55, 46288), (59, 46369), (61, 46411), (63, 46447), (66, 46459), (69, 46516), (73, 46549), (74, 46594), (79, 46612), (82, 46657), (88, 46705), (91, 46738), (105, 46816), (109, 46843), (117, 46912), (118, 46933), (123, 47059), (126, 47110), (130, 47131), (131, 47143), (133, 47185), (140, 47335), (141, 47368), (142, 47371), (144, 47422), (146, 47467), (147, 47473), (148, 47515),

(153, 47578), (158, 47656), (160, 47713), (161, 47731), (163, 47764), (164, 47767), (165, 47806), (166, 47809), (167, 47890), (168, 47893), (171, 47953), (172, 47977), (174, 48028), (175, 48052), (178, 48076), (184, 48328), (186, 48385), (193, 48643), (194, 48712), (198, 48760), (205, 48847), (206, 48880), (207, 48883),

Gene: Koguma_94 Start: 43002, Stop: 46862, Start Num: 2

Candidate Starts for Koguma_94:

(Start: 2 @43002 has 170 MA's), (10, 43113), (11, 43137), (23, 43401), (24, 43407), (26, 43473), (29, 43509), (31, 43590), (34, 43638), (35, 43644), (48, 43965), (49, 43986), (50, 44022), (53, 44142), (59, 44256), (60, 44289), (61, 44298), (67, 44394), (68, 44412), (73, 44484), (74, 44529), (79, 44547), (82, 44592), (88, 44640), (91, 44673), (98, 44697), (105, 44751), (109, 44778), (112, 44799), (117, 44847), (118, 44868), (123, 44994), (126, 45045), (130, 45066), (131, 45078), (133, 45120), (140, 45270), (141, 45303), (142, 45306), (144, 45357), (146, 45402), (147, 45408), (148, 45450), (153, 45513), (158, 45591), (160, 45648), (161, 45666), (163, 45699), (164, 45702), (165, 45741), (166, 45744), (167, 45825), (168, 45828), (171, 45888), (172, 45912), (174, 45963), (175, 45987), (178, 46011), (184, 46263), (186, 46320), (193, 46578), (194, 46647), (198, 46695), (205, 46782), (206, 46815), (207, 46818),

Gene: LRRHood_92 Start: 44821, Stop: 48681, Start Num: 2

Candidate Starts for LRRHood_92:

(Start: 2 @44821 has 170 MA's), (10, 44932), (11, 44956), (23, 45220), (24, 45226), (26, 45292), (29, 45328), (31, 45409), (33, 45445), (34, 45457), (35, 45463), (48, 45784), (49, 45805), (50, 45841), (53, 45961), (59, 46075), (60, 46108), (61, 46117), (67, 46213), (68, 46231), (73, 46303), (74, 46348), (79, 46366), (82, 46411), (88, 46459), (91, 46492), (98, 46516), (105, 46570), (109, 46597), (112, 46618), (117, 46666), (118, 46687), (123, 46813), (126, 46864), (130, 46885), (131, 46897), (133, 46939), (140, 47089), (141, 47122), (142, 47125), (144, 47176), (146, 47221), (147, 47227), (148, 47269), (153, 47332), (158, 47410), (160, 47467), (161, 47485), (163, 47518), (164, 47521), (165, 47560), (166, 47563), (167, 47644), (168, 47647), (171, 47707), (172, 47731), (174, 47782), (175, 47806), (178, 47830), (184, 48082), (186, 48139), (193, 48397), (194, 48466), (198, 48514), (205, 48601), (206, 48634), (207, 48637),

Gene: Latch_98 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Latch_98:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Lee7_95 Start: 45452, Stop: 49561, Start Num: 2

Candidate Starts for Lee7_95:

(Start: 2 @45452 has 170 MA's), (10, 45563), (11, 45587), (23, 45851), (24, 45857), (26, 45923), (29, 45959), (31, 46040), (33, 46076), (34, 46088), (35, 46094), (36, 46295), (37, 46355), (46, 46673), (52, 46826), (53, 46895), (55, 46922), (59, 47003), (61, 47045), (63, 47081), (66, 47093), (69, 47150), (73, 47183), (74, 47228), (79, 47246), (82, 47291), (88, 47339), (91, 47372), (105, 47450), (109, 47477), (117, 47546), (118, 47567), (123, 47693), (126, 47744), (130, 47765), (131, 47777), (133, 47819), (140, 47969), (141, 48002), (142, 48005), (144, 48056), (146, 48101), (147, 48107), (148, 48149), (153, 48212), (158, 48290), (160, 48347), (161, 48365), (163, 48398), (164, 48401), (165, 48440),

(166, 48443), (167, 48524), (168, 48527), (171, 48587), (172, 48611), (174, 48662), (175, 48686), (178, 48710), (184, 48962), (186, 49019), (193, 49277), (194, 49346), (198, 49394), (205, 49481), (206, 49514), (207, 49517),

Gene: LifeSavor_97 Start: 45171, Stop: 49283, Start Num: 2

Candidate Starts for LifeSavor_97:

(Start: 2 @45171 has 170 MA's), (10, 45282), (11, 45306), (23, 45570), (24, 45576), (26, 45642), (29, 45678), (31, 45759), (33, 45795), (34, 45807), (35, 45813), (36, 46014), (46, 46395), (52, 46548), (53, 46617), (55, 46644), (59, 46725), (61, 46767), (63, 46803), (66, 46815), (69, 46872), (73, 46905), (74, 46950), (79, 46968), (82, 47013), (88, 47061), (91, 47094), (98, 47118), (105, 47172), (109, 47199), (112, 47220), (117, 47268), (118, 47289), (123, 47415), (126, 47466), (130, 47487), (131, 47499), (133, 47541), (140, 47691), (141, 47724), (142, 47727), (144, 47778), (146, 47823), (147, 47829), (148, 47871), (153, 47934), (158, 48012), (160, 48069), (161, 48087), (163, 48120), (164, 48123), (165, 48162), (166, 48165), (167, 48246), (168, 48249), (171, 48309), (172, 48333), (174, 48384), (175, 48408), (178, 48432), (184, 48684), (186, 48741), (193, 48999), (194, 49068), (198, 49116), (205, 49203), (206, 49236), (207, 49239),

Gene: LinStu_97 Start: 45409, Stop: 49269, Start Num: 2

Candidate Starts for LinStu_97:

(Start: 2 @45409 has 170 MA's), (10, 45520), (11, 45544), (23, 45808), (24, 45814), (26, 45880), (29, 45916), (31, 45997), (33, 46033), (34, 46045), (35, 46051), (48, 46372), (49, 46393), (50, 46429), (53, 46549), (59, 46663), (60, 46696), (61, 46705), (67, 46801), (68, 46819), (73, 46891), (74, 46936), (79, 46954), (82, 46999), (88, 47047), (91, 47080), (98, 47104), (105, 47158), (109, 47185), (112, 47206), (117, 47254), (118, 47275), (123, 47401), (126, 47452), (130, 47473), (131, 47485), (133, 47527), (140, 47677), (141, 47710), (142, 47713), (144, 47764), (146, 47809), (147, 47815), (148, 47857), (153, 47920), (158, 47998), (160, 48055), (161, 48073), (163, 48106), (164, 48109), (165, 48148), (166, 48151), (167, 48232), (168, 48235), (171, 48295), (172, 48319), (174, 48370), (175, 48394), (178, 48418), (184, 48670), (186, 48727), (193, 48985), (194, 49054), (198, 49102), (205, 49189), (206, 49222), (207, 49225),

Gene: Littleton_97 Start: 44390, Stop: 48502, Start Num: 2

Candidate Starts for Littleton_97:

(Start: 2 @44390 has 170 MA's), (10, 44501), (11, 44525), (23, 44789), (24, 44795), (26, 44861), (29, 44897), (31, 44978), (33, 45014), (34, 45026), (35, 45032), (36, 45233), (46, 45614), (52, 45767), (53, 45836), (55, 45863), (59, 45944), (61, 45986), (63, 46022), (66, 46034), (69, 46091), (73, 46124), (74, 46169), (79, 46187), (82, 46232), (88, 46280), (91, 46313), (105, 46391), (109, 46418), (112, 46439), (117, 46487), (118, 46508), (123, 46634), (126, 46685), (130, 46706), (131, 46718), (133, 46760), (140, 46910), (141, 46943), (142, 46946), (144, 46997), (146, 47042), (147, 47048), (148, 47090), (153, 47153), (158, 47231), (160, 47288), (161, 47306), (163, 47339), (164, 47342), (165, 47381), (166, 47384), (167, 47465), (168, 47468), (171, 47528), (172, 47552), (174, 47603), (175, 47627), (178, 47651), (184, 47903), (186, 47960), (193, 48218), (194, 48287), (198, 48335), (205, 48422), (206, 48455), (207, 48458),

Gene: Loanshark_97 Start: 45041, Stop: 49150, Start Num: 2

Candidate Starts for Loanshark_97:

(Start: 2 @45041 has 170 MA's), (10, 45152), (11, 45176), (23, 45440), (24, 45446), (26, 45512), (29, 45548), (31, 45629), (33, 45665), (34, 45677), (35, 45683), (36, 45884), (37, 45944), (46, 46262), (52, 46415), (53, 46484), (55, 46511), (59, 46592), (61, 46634), (63, 46670), (66, 46682), (69, 46739), (73, 46772), (74, 46817), (79, 46835), (82, 46880), (88, 46928), (91, 46961), (105, 47039), (109, 47066), (117, 47135), (118, 47156), (123, 47282), (126, 47333), (130, 47354), (131, 47366), (133, 47408), (140, 47558), (141, 47591), (142, 47594), (144, 47645), (146, 47690), (147, 47696), (148, 47738), (153, 47801), (158, 47879), (160, 47936), (161, 47954), (163, 47987), (164, 47990), (165, 48029), (166, 48032), (167, 48113), (168, 48116), (171, 48176), (172, 48200), (174, 48251), (175, 48275),

(178, 48299), (184, 48551), (186, 48608), (193, 48866), (194, 48935), (198, 48983), (205, 49070), (206, 49103), (207, 49106),

Gene: LolaVinca_99 Start: 46177, Stop: 50289, Start Num: 2

Candidate Starts for LolaVinca_99:

(Start: 2 @46177 has 170 MA's), (10, 46288), (11, 46312), (23, 46576), (24, 46582), (26, 46648), (29, 46684), (31, 46765), (33, 46801), (34, 46813), (35, 46819), (36, 47020), (46, 47401), (52, 47554), (53, 47623), (55, 47650), (59, 47731), (61, 47773), (63, 47809), (66, 47821), (69, 47878), (73, 47911), (74, 47956), (79, 47974), (82, 48019), (88, 48067), (91, 48100), (98, 48124), (105, 48178), (109, 48205), (112, 48226), (117, 48274), (118, 48295), (123, 48421), (126, 48472), (130, 48493), (131, 48505), (133, 48547), (140, 48697), (141, 48730), (142, 48733), (144, 48784), (146, 48829), (147, 48835), (148, 48877), (153, 48940), (158, 49018), (160, 49075), (161, 49093), (163, 49126), (164, 49129), (165, 49168), (166, 49171), (167, 49252), (168, 49255), (171, 49315), (172, 49339), (174, 49390), (175, 49414), (178, 49438), (184, 49690), (186, 49747), (193, 50005), (194, 50074), (198, 50122), (205, 50209), (206, 50242), (207, 50245),

Gene: LordLeafolot_102 Start: 47141, Stop: 51253, Start Num: 2

Candidate Starts for LordLeafolot_102:

(Start: 2 @47141 has 170 MA's), (10, 47252), (11, 47276), (23, 47540), (24, 47546), (26, 47612), (29, 47648), (31, 47729), (33, 47765), (34, 47777), (35, 47783), (36, 47984), (46, 48365), (52, 48518), (53, 48587), (55, 48614), (59, 48695), (61, 48737), (63, 48773), (66, 48785), (69, 48842), (73, 48875), (74, 48920), (79, 48938), (82, 48983), (88, 49031), (91, 49064), (98, 49088), (105, 49142), (109, 49169), (112, 49190), (117, 49238), (118, 49259), (123, 49385), (126, 49436), (130, 49457), (131, 49469), (133, 49511), (140, 49661), (141, 49694), (142, 49697), (144, 49748), (146, 49793), (147, 49799), (148, 49841), (153, 49904), (158, 49982), (160, 50039), (161, 50057), (163, 50090), (164, 50093), (165, 50132), (166, 50135), (167, 50216), (168, 50219), (171, 50279), (172, 50303), (174, 50354), (175, 50378), (178, 50402), (184, 50654), (186, 50711), (193, 50969), (194, 51038), (198, 51086), (205, 51173), (206, 51206), (207, 51209),

Gene: Lukilu_88 Start: 44682, Stop: 48791, Start Num: 2

Candidate Starts for Lukilu_88:

(Start: 2 @44682 has 170 MA's), (10, 44793), (11, 44817), (23, 45081), (24, 45087), (26, 45153), (29, 45189), (31, 45270), (33, 45306), (34, 45318), (35, 45324), (36, 45525), (37, 45585), (46, 45903), (52, 46056), (53, 46125), (55, 46152), (59, 46233), (61, 46275), (63, 46311), (66, 46323), (69, 46380), (73, 46413), (74, 46458), (79, 46476), (82, 46521), (88, 46569), (91, 46602), (105, 46680), (109, 46707), (117, 46776), (118, 46797), (123, 46923), (126, 46974), (130, 46995), (131, 47007), (133, 47049), (140, 47199), (141, 47232), (142, 47235), (144, 47286), (146, 47331), (147, 47337), (148, 47379), (153, 47442), (158, 47520), (160, 47577), (161, 47595), (163, 47628), (164, 47631), (165, 47670), (166, 47673), (167, 47754), (168, 47757), (171, 47817), (172, 47841), (174, 47892), (175, 47916), (178, 47940), (184, 48192), (186, 48249), (193, 48507), (194, 48576), (198, 48624), (205, 48711), (206, 48744), (207, 48747),

Gene: Maby2021_97 Start: 44916, Stop: 49025, Start Num: 2

Candidate Starts for Maby2021_97:

(Start: 2 @44916 has 170 MA's), (10, 45027), (11, 45051), (23, 45315), (24, 45321), (26, 45387), (29, 45423), (31, 45504), (33, 45540), (34, 45552), (35, 45558), (36, 45759), (37, 45819), (46, 46137), (52, 46290), (53, 46359), (55, 46386), (59, 46467), (61, 46509), (63, 46545), (66, 46557), (69, 46614), (73, 46647), (74, 46692), (79, 46710), (82, 46755), (88, 46803), (91, 46836), (105, 46914), (109, 46941), (117, 47010), (118, 47031), (123, 47157), (126, 47208), (130, 47229), (131, 47241), (133, 47283), (140, 47433), (141, 47466), (142, 47469), (144, 47520), (146, 47565), (147, 47571), (148, 47613), (153, 47676), (158, 47754), (160, 47811), (161, 47829), (163, 47862), (164, 47865), (165, 47904), (166, 47907), (167, 47988), (168, 47991), (171, 48051), (172, 48075), (174, 48126), (175, 48150), (178, 48174), (184, 48426), (186, 48483), (193, 48741), (194, 48810), (198, 48858), (205, 48945),

(206, 48978), (207, 48981),

Gene: Mangeria_97 Start: 45021, Stop: 49247, Start Num: 2

Candidate Starts for Mangeria_97:

(Start: 2 @45021 has 170 MA's), (10, 45132), (11, 45156), (23, 45420), (24, 45426), (26, 45492), (29, 45528), (31, 45609), (33, 45645), (34, 45657), (35, 45663), (49, 46005), (50, 46041), (53, 46161), (54, 46179), (59, 46275), (60, 46308), (61, 46317), (67, 46413), (68, 46431), (73, 46503), (75, 46623), (77, 46686), (78, 46722), (81, 46770), (85, 46821), (86, 46827), (87, 46830), (89, 46866), (92, 46914), (95, 46932), (99, 46977), (104, 47025), (105, 47058), (107, 47082), (110, 47136), (111, 47163), (112, 47184), (117, 47232), (118, 47253), (123, 47379), (126, 47430), (130, 47451), (131, 47463), (133, 47505), (140, 47655), (141, 47688), (142, 47691), (144, 47742), (146, 47787), (147, 47793), (148, 47835), (153, 47898), (158, 47976), (160, 48033), (161, 48051), (163, 48084), (164, 48087), (165, 48126), (166, 48129), (167, 48210), (168, 48213), (171, 48273), (172, 48297), (174, 48348), (175, 48372), (178, 48396), (184, 48648), (186, 48705), (193, 48963), (194, 49032), (198, 49080), (205, 49167), (206, 49200), (207, 49203),

Gene: Matsumoto_95 Start: 44799, Stop: 48911, Start Num: 2

Candidate Starts for Matsumoto_95:

(Start: 2 @44799 has 170 MA's), (10, 44910), (11, 44934), (23, 45198), (24, 45204), (26, 45270), (29, 45306), (31, 45387), (33, 45423), (34, 45435), (35, 45441), (36, 45642), (46, 46023), (52, 46176), (53, 46245), (55, 46272), (59, 46353), (61, 46395), (63, 46431), (66, 46443), (69, 46500), (73, 46533), (74, 46578), (79, 46596), (82, 46641), (88, 46689), (91, 46722), (98, 46746), (105, 46800), (109, 46827), (112, 46848), (117, 46896), (118, 46917), (123, 47043), (126, 47094), (130, 47115), (131, 47127), (133, 47169), (140, 47319), (141, 47352), (142, 47355), (144, 47406), (146, 47451), (147, 47457), (148, 47499), (153, 47562), (158, 47640), (160, 47697), (161, 47715), (163, 47748), (164, 47751), (165, 47790), (166, 47793), (167, 47874), (168, 47877), (171, 47937), (172, 47961), (174, 48012), (175, 48036), (178, 48060), (184, 48312), (186, 48369), (193, 48627), (194, 48696), (198, 48744), (205, 48831), (206, 48864), (207, 48867),

Gene: McGee_99 Start: 43667, Stop: 47779, Start Num: 2

Candidate Starts for McGee_99:

(Start: 2 @43667 has 170 MA's), (10, 43778), (11, 43802), (23, 44066), (24, 44072), (26, 44138), (29, 44174), (31, 44255), (33, 44291), (34, 44303), (35, 44309), (36, 44510), (46, 44891), (52, 45044), (53, 45113), (55, 45140), (59, 45221), (61, 45263), (63, 45299), (66, 45311), (69, 45368), (73, 45401), (74, 45446), (79, 45464), (82, 45509), (88, 45557), (91, 45590), (98, 45614), (105, 45668), (109, 45695), (112, 45716), (117, 45764), (118, 45785), (123, 45911), (126, 45962), (130, 45983), (131, 45995), (133, 46037), (140, 46187), (141, 46220), (142, 46223), (144, 46274), (146, 46319), (147, 46325), (148, 46367), (153, 46430), (158, 46508), (160, 46565), (161, 46583), (163, 46616), (164, 46619), (165, 46658), (166, 46661), (167, 46742), (168, 46745), (171, 46805), (172, 46829), (174, 46880), (175, 46904), (178, 46928), (184, 47180), (186, 47237), (193, 47495), (194, 47564), (198, 47612), (205, 47699), (206, 47732), (207, 47735),

Gene: McWolfish_95 Start: 44641, Stop: 48810, Start Num: 2

Candidate Starts for McWolfish_95:

(Start: 2 @44641 has 170 MA's), (10, 44752), (11, 44776), (23, 45040), (24, 45046), (26, 45112), (29, 45148), (31, 45229), (33, 45265), (34, 45277), (35, 45283), (36, 45484), (37, 45544), (48, 45913), (49, 45934), (50, 45970), (53, 46090), (59, 46204), (60, 46237), (61, 46246), (67, 46342), (68, 46360), (73, 46432), (74, 46477), (79, 46495), (82, 46540), (88, 46588), (91, 46621), (98, 46645), (105, 46699), (109, 46726), (112, 46747), (117, 46795), (118, 46816), (123, 46942), (126, 46993), (130, 47014), (131, 47026), (133, 47068), (140, 47218), (141, 47251), (142, 47254), (144, 47305), (146, 47350), (147, 47356), (148, 47398), (153, 47461), (158, 47539), (160, 47596), (161, 47614), (163, 47647), (164, 47650), (165, 47689), (166, 47692), (167, 47773), (168, 47776), (171, 47836), (172, 47860), (174, 47911), (175, 47935), (178, 47959), (184, 48211), (186, 48268), (193, 48526), (194, 48595),

(198, 48643), (205, 48730), (206, 48763), (207, 48766),

Gene: Megamind_96 Start: 44737, Stop: 48846, Start Num: 2

Candidate Starts for Megamind_96:

(Start: 2 @44737 has 170 MA's), (10, 44848), (11, 44872), (23, 45136), (24, 45142), (26, 45208), (29, 45244), (31, 45325), (33, 45361), (34, 45373), (35, 45379), (36, 45580), (37, 45640), (46, 45958), (52, 46111), (53, 46180), (55, 46207), (59, 46288), (61, 46330), (63, 46366), (66, 46378), (69, 46435), (73, 46468), (74, 46513), (79, 46531), (82, 46576), (88, 46624), (91, 46657), (105, 46735), (109, 46762), (117, 46831), (118, 46852), (123, 46978), (126, 47029), (130, 47050), (131, 47062), (133, 47104), (140, 47254), (141, 47287), (142, 47290), (144, 47341), (146, 47386), (147, 47392), (148, 47434), (153, 47497), (158, 47575), (160, 47632), (161, 47650), (163, 47683), (164, 47686), (165, 47725), (166, 47728), (167, 47809), (168, 47812), (171, 47872), (172, 47896), (174, 47947), (175, 47971), (178, 47995), (184, 48247), (186, 48304), (193, 48562), (194, 48631), (198, 48679), (205, 48766), (206, 48799), (207, 48802),

Gene: Melpomini_91 Start: 42444, Stop: 46553, Start Num: 2

Candidate Starts for Melpomini_91:

(Start: 2 @42444 has 170 MA's), (10, 42555), (11, 42579), (23, 42843), (24, 42849), (26, 42915), (29, 42951), (31, 43032), (33, 43068), (34, 43080), (35, 43086), (36, 43287), (37, 43347), (46, 43665), (52, 43818), (53, 43887), (55, 43914), (59, 43995), (61, 44037), (63, 44073), (66, 44085), (69, 44142), (73, 44175), (74, 44220), (79, 44238), (82, 44283), (88, 44331), (91, 44364), (105, 44442), (109, 44469), (117, 44538), (118, 44559), (123, 44685), (126, 44736), (130, 44757), (131, 44769), (133, 44811), (140, 44961), (141, 44994), (142, 44997), (144, 45048), (146, 45093), (147, 45099), (148, 45141), (153, 45204), (158, 45282), (160, 45339), (161, 45357), (163, 45390), (164, 45393), (165, 45432), (166, 45435), (167, 45516), (168, 45519), (171, 45579), (172, 45603), (174, 45654), (175, 45678), (178, 45702), (184, 45954), (186, 46011), (193, 46269), (194, 46338), (198, 46386), (205, 46473), (206, 46506), (207, 46509),

Gene: MikeLiesIn_98 Start: 45084, Stop: 49193, Start Num: 2

Candidate Starts for MikeLiesIn_98:

(Start: 2 @45084 has 170 MA's), (10, 45195), (11, 45219), (23, 45483), (24, 45489), (26, 45555), (29, 45591), (31, 45672), (33, 45708), (34, 45720), (35, 45726), (36, 45927), (37, 45987), (46, 46305), (52, 46458), (53, 46527), (55, 46554), (59, 46635), (61, 46677), (63, 46713), (66, 46725), (69, 46782), (73, 46815), (74, 46860), (79, 46878), (82, 46923), (88, 46971), (91, 47004), (105, 47082), (109, 47109), (117, 47178), (118, 47199), (123, 47325), (126, 47376), (130, 47397), (131, 47409), (133, 47451), (140, 47601), (141, 47634), (142, 47637), (144, 47688), (146, 47733), (147, 47739), (148, 47781), (153, 47844), (158, 47922), (160, 47979), (161, 47997), (163, 48030), (164, 48033), (165, 48072), (166, 48075), (167, 48156), (168, 48159), (171, 48219), (172, 48243), (174, 48294), (175, 48318), (178, 48342), (184, 48594), (186, 48651), (193, 48909), (194, 48978), (198, 49026), (205, 49113), (206, 49146), (207, 49149),

Gene: Mikro_95 Start: 46159, Stop: 50328, Start Num: 2

Candidate Starts for Mikro_95:

(Start: 2 @46159 has 170 MA's), (10, 46270), (11, 46294), (23, 46558), (24, 46564), (26, 46630), (29, 46666), (31, 46747), (33, 46783), (34, 46795), (35, 46801), (36, 47002), (37, 47062), (49, 47452), (50, 47488), (53, 47608), (54, 47626), (59, 47722), (60, 47755), (61, 47764), (67, 47860), (68, 47878), (73, 47950), (74, 47995), (79, 48013), (82, 48058), (88, 48106), (91, 48139), (98, 48163), (105, 48217), (109, 48244), (112, 48265), (117, 48313), (118, 48334), (123, 48460), (126, 48511), (130, 48532), (131, 48544), (133, 48586), (140, 48736), (141, 48769), (142, 48772), (144, 48823), (146, 48868), (147, 48874), (148, 48916), (153, 48979), (158, 49057), (160, 49114), (161, 49132), (163, 49165), (164, 49168), (165, 49207), (166, 49210), (167, 49291), (168, 49294), (171, 49354), (172, 49378), (174, 49429), (175, 49453), (178, 49477), (184, 49729), (186, 49786), (193, 50044), (194, 50113), (198, 50161), (205, 50248), (206, 50281), (207, 50284),

Gene: MoMoMixon_98 Start: 44809, Stop: 48669, Start Num: 2

Candidate Starts for MoMoMixon_98:

(Start: 2 @44809 has 170 MA's), (10, 44920), (11, 44944), (23, 45208), (24, 45214), (26, 45280), (29, 45316), (31, 45397), (33, 45433), (34, 45445), (35, 45451), (48, 45772), (49, 45793), (50, 45829), (53, 45949), (59, 46063), (60, 46096), (61, 46105), (67, 46201), (68, 46219), (73, 46291), (74, 46336), (79, 46354), (82, 46399), (88, 46447), (91, 46480), (98, 46504), (105, 46558), (109, 46585), (112, 46606), (117, 46654), (118, 46675), (123, 46801), (126, 46852), (130, 46873), (131, 46885), (133, 46927), (140, 47077), (141, 47110), (142, 47113), (144, 47164), (146, 47209), (147, 47215), (148, 47257), (153, 47320), (158, 47398), (160, 47455), (161, 47473), (163, 47506), (164, 47509), (165, 47548), (166, 47551), (167, 47632), (168, 47635), (171, 47695), (172, 47719), (174, 47770), (175, 47794), (178, 47818), (184, 48070), (186, 48127), (193, 48385), (194, 48454), (198, 48502), (205, 48589), (206, 48622), (207, 48625),

Gene: Momo_97 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Momo_97:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Morizzled23_97 Start: 43964, Stop: 48073, Start Num: 2

Candidate Starts for Morizzled23_97:

(Start: 2 @43964 has 170 MA's), (10, 44075), (11, 44099), (23, 44363), (24, 44369), (26, 44435), (29, 44471), (31, 44552), (33, 44588), (34, 44600), (35, 44606), (36, 44807), (37, 44867), (46, 45185), (52, 45338), (53, 45407), (55, 45434), (59, 45515), (61, 45557), (63, 45593), (66, 45605), (69, 45662), (73, 45695), (74, 45740), (79, 45758), (82, 45803), (88, 45851), (91, 45884), (105, 45962), (109, 45989), (117, 46058), (118, 46079), (123, 46205), (126, 46256), (130, 46277), (131, 46289), (133, 46331), (140, 46481), (141, 46514), (142, 46517), (144, 46568), (146, 46613), (147, 46619), (148, 46661), (153, 46724), (158, 46802), (160, 46859), (161, 46877), (163, 46910), (164, 46913), (165, 46952), (166, 46955), (167, 47036), (168, 47039), (171, 47099), (172, 47123), (174, 47174), (175, 47198), (178, 47222), (184, 47474), (186, 47531), (193, 47789), (194, 47858), (198, 47906), (205, 47993), (206, 48026), (207, 48029),

Gene: Myrna_97 Start: 46700, Stop: 50335, Start Num: 2

Candidate Starts for Myrna_97:

(Start: 2 @46700 has 170 MA's), (4, 46721), (5, 46724), (11, 46835), (16, 46931), (18, 46979), (20, 47048), (24, 47105), (25, 47162), (26, 47171), (27, 47183), (30, 47237), (33, 47324), (50, 47552), (53, 47663), (56, 47729), (59, 47777), (60, 47810), (61, 47819), (71, 47885), (83, 47996), (94, 48101), (101, 48140), (102, 48149), (103, 48152), (106, 48179), (117, 48269), (122, 48371), (127, 48464), (130, 48485), (132, 48500), (135, 48626), (139, 48695), (140, 48710), (144, 48800), (147, 48869), (151, 48911), (152, 48920), (161, 49094), (162, 49109), (166, 49163), (170, 49298), (173, 49388), (175, 49433), (178, 49457), (181, 49703), (184, 49733), (185, 49781), (187, 49796), (193, 50033), (194, 50102), (196, 50120), (199, 50153), (200, 50156), (203, 50240), (207, 50291), (209, 50324),

Gene: Naija_97 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Naija_97:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Napoleon13_93 Start: 42879, Stop: 46991, Start Num: 2

Candidate Starts for Napoleon13_93:

(Start: 2 @42879 has 170 MA's), (10, 42990), (11, 43014), (23, 43278), (24, 43284), (26, 43350), (29, 43386), (31, 43467), (33, 43503), (34, 43515), (35, 43521), (36, 43722), (46, 44103), (52, 44256), (53, 44325), (55, 44352), (59, 44433), (61, 44475), (63, 44511), (66, 44523), (69, 44580), (73, 44613), (74, 44658), (79, 44676), (82, 44721), (88, 44769), (91, 44802), (98, 44826), (105, 44880), (109, 44907), (112, 44928), (117, 44976), (118, 44997), (123, 45123), (126, 45174), (130, 45195), (131, 45207), (133, 45249), (140, 45399), (141, 45432), (142, 45435), (144, 45486), (146, 45531), (147, 45537), (148, 45579), (153, 45642), (158, 45720), (160, 45777), (161, 45795), (163, 45828), (164, 45831), (165, 45870), (166, 45873), (167, 45954), (168, 45957), (171, 46017), (172, 46041), (174, 46092), (175, 46116), (178, 46140), (184, 46392), (186, 46449), (193, 46707), (194, 46776), (198, 46824), (205, 46911), (206, 46944), (207, 46947),

Gene: Nappy_100 Start: 46245, Stop: 50108, Start Num: 2

Candidate Starts for Nappy_100:

(Start: 2 @46245 has 170 MA's), (10, 46356), (11, 46380), (23, 46644), (24, 46650), (26, 46716), (29, 46752), (31, 46833), (33, 46869), (34, 46881), (35, 46887), (48, 47208), (49, 47229), (50, 47265), (53, 47385), (54, 47403), (59, 47499), (60, 47532), (61, 47541), (67, 47637), (68, 47655), (73, 47730), (74, 47775), (79, 47793), (82, 47838), (88, 47886), (91, 47919), (98, 47943), (105, 47997), (109, 48024), (112, 48045), (117, 48093), (118, 48114), (123, 48240), (126, 48291), (130, 48312), (131, 48324), (133, 48366), (140, 48516), (141, 48549), (142, 48552), (144, 48603), (146, 48648), (147, 48654), (148, 48696), (153, 48759), (158, 48837), (160, 48894), (161, 48912), (163, 48945), (164, 48948), (165, 48987), (166, 48990), (167, 49071), (168, 49074), (171, 49134), (172, 49158), (174, 49209), (175, 49233), (178, 49257), (184, 49509), (186, 49566), (193, 49824), (194, 49893), (198, 49941), (205, 50028), (206, 50061), (207, 50064),

Gene: Naval22_102 Start: 46675, Stop: 50535, Start Num: 2

Candidate Starts for Naval22_102:

(Start: 2 @46675 has 170 MA's), (10, 46786), (11, 46810), (23, 47074), (24, 47080), (26, 47146), (29, 47182), (31, 47263), (33, 47299), (34, 47311), (35, 47317), (49, 47659), (50, 47695), (53, 47815), (54, 47833), (59, 47929), (60, 47962), (61, 47971), (67, 48067), (68, 48085), (73, 48157), (74, 48202), (79, 48220), (82, 48265), (88, 48313), (91, 48346), (98, 48370), (105, 48424), (109, 48451), (112, 48472), (117, 48520), (118, 48541), (123, 48667), (126, 48718), (130, 48739), (131, 48751), (133, 48793), (140, 48943), (141, 48976), (142, 48979), (144, 49030), (146, 49075), (147, 49081), (148, 49123), (153, 49186), (158, 49264), (160, 49321), (161, 49339), (163, 49372), (164, 49375), (165, 49414), (166, 49417), (167, 49498), (168, 49501), (171, 49561), (172, 49585), (174, 49636), (175, 49660), (178, 49684), (184, 49936), (186, 49993), (193, 50251), (194, 50320), (198, 50368), (205, 50455), (206, 50488), (207, 50491),

Gene: NedWong_98 Start: 45071, Stop: 49180, Start Num: 2

Candidate Starts for NedWong_98:

(Start: 2 @45071 has 170 MA's), (10, 45182), (11, 45206), (23, 45470), (24, 45476), (26, 45542), (29, 45578), (31, 45659), (33, 45695), (34, 45707), (35, 45713), (36, 45914), (37, 45974), (46, 46292), (52, 46445), (53, 46514), (55, 46541), (59, 46622), (61, 46664), (63, 46700), (66, 46712), (69, 46769), (73, 46802), (74, 46847), (79, 46865), (82, 46910), (88, 46958), (91, 46991), (105, 47069), (109, 47096), (117, 47165), (118, 47186), (123, 47312), (126, 47363), (130, 47384), (131, 47396), (133, 47438), (140, 47588), (141, 47621), (142, 47624), (144, 47675), (146, 47720), (147, 47726), (148, 47768), (153, 47831), (158, 47909), (160, 47966), (161, 47984), (163, 48017), (164, 48020), (165, 48059), (166, 48062), (167, 48143), (168, 48146), (171, 48206), (172, 48230), (174, 48281), (175, 48305), (178, 48329), (184, 48581), (186, 48638), (193, 48896), (194, 48965), (198, 49013), (205, 49100), (206, 49133), (207, 49136),

Gene: Ngannou_94 Start: 43465, Stop: 47577, Start Num: 2

Candidate Starts for Ngannou_94:

(Start: 2 @43465 has 170 MA's), (10, 43576), (11, 43600), (23, 43864), (24, 43870), (26, 43936), (29, 43972), (31, 44053), (33, 44089), (34, 44101), (35, 44107), (36, 44308), (46, 44689), (52, 44842), (53, 44911), (55, 44938), (59, 45019), (61, 45061), (63, 45097), (66, 45109), (69, 45166), (73, 45199), (74, 45244), (79, 45262), (82, 45307), (88, 45355), (91, 45388), (98, 45412), (105, 45466), (109, 45493), (112, 45514), (117, 45562), (118, 45583), (123, 45709), (126, 45760), (130, 45781), (131, 45793), (133, 45835), (140, 45985), (141, 46018), (142, 46021), (144, 46072), (146, 46117), (147, 46123), (148, 46165), (153, 46228), (158, 46306), (160, 46363), (161, 46381), (163, 46414), (164, 46417), (165, 46456), (166, 46459), (167, 46540), (168, 46543), (171, 46603), (172, 46627), (174, 46678), (175, 46702), (178, 46726), (184, 46978), (186, 47035), (193, 47293), (194, 47362), (198, 47410), (205, 47497), (206, 47530), (207, 47533),

Gene: Nidhogg_98 Start: 45059, Stop: 48919, Start Num: 2

Candidate Starts for Nidhogg_98:

(Start: 2 @45059 has 170 MA's), (10, 45170), (11, 45194), (23, 45458), (24, 45464), (26, 45530), (29, 45566), (31, 45647), (33, 45683), (34, 45695), (35, 45701), (48, 46022), (49, 46043), (50, 46079), (53, 46199), (59, 46313), (60, 46346), (61, 46355), (67, 46451), (68, 46469), (73, 46541), (74, 46586), (79, 46604), (82, 46649), (88, 46697), (91, 46730), (98, 46754), (105, 46808), (109, 46835), (112, 46856), (117, 46904), (118, 46925), (123, 47051), (126, 47102), (130, 47123), (131, 47135), (133, 47177), (140, 47327), (141, 47360), (142, 47363), (144, 47414), (146, 47459), (147, 47465), (148, 47507), (153, 47570), (158, 47648), (160, 47705), (161, 47723), (163, 47756), (164, 47759), (165, 47798), (166, 47801), (167, 47882), (168, 47885), (171, 47945), (172, 47969), (174, 48020), (175, 48044), (178, 48068), (184, 48320), (186, 48377), (193, 48635), (194, 48704), (198, 48752), (205, 48839), (206, 48872), (207, 48875),

Gene: NoodleTree_105 Start: 46281, Stop: 50393, Start Num: 2

Candidate Starts for NoodleTree_105:

(Start: 2 @46281 has 170 MA's), (10, 46392), (11, 46416), (23, 46680), (24, 46686), (26, 46752), (29, 46788), (31, 46869), (33, 46905), (34, 46917), (35, 46923), (36, 47124), (46, 47505), (52, 47658), (53, 47727), (55, 47754), (59, 47835), (61, 47877), (63, 47913), (66, 47925), (69, 47982), (73, 48015), (74, 48060), (79, 48078), (82, 48123), (88, 48171), (91, 48204), (98, 48228), (105, 48282), (109, 48309), (112, 48330), (117, 48378), (118, 48399), (123, 48525), (126, 48576), (130, 48597), (131, 48609), (133, 48651), (140, 48801), (141, 48834), (142, 48837), (144, 48888), (146, 48933), (147, 48939), (148, 48981), (153, 49044), (158, 49122), (160, 49179), (161, 49197), (163, 49230), (164, 49233), (165, 49272), (166, 49275), (167, 49356), (168, 49359), (171, 49419), (172, 49443), (174, 49494), (175, 49518), (178, 49542), (184, 49794), (186, 49851), (193, 50109), (194, 50178), (198, 50226), (205, 50313), (206, 50346), (207, 50349),

Gene: Norm_98 Start: 45844, Stop: 49956, Start Num: 2

Candidate Starts for Norm_98:

(Start: 2 @45844 has 170 MA's), (10, 45955), (11, 45979), (23, 46243), (24, 46249), (26, 46315), (29, 46351), (31, 46432), (33, 46468), (34, 46480), (35, 46486), (36, 46687), (46, 47068), (52, 47221), (53, 47290), (55, 47317), (59, 47398), (61, 47440), (63, 47476), (66, 47488), (69, 47545), (73, 47578), (74, 47623), (79, 47641), (82, 47686), (88, 47734), (91, 47767), (98, 47791), (105, 47845), (109, 47872), (112, 47893), (117, 47941), (118, 47962), (123, 48088), (126, 48139), (130, 48160), (131, 48172), (133, 48214), (140, 48364), (141, 48397), (142, 48400), (144, 48451), (146, 48496), (147, 48502), (148, 48544), (153, 48607), (158, 48685), (160, 48742), (161, 48760), (163, 48793), (164, 48796), (165, 48835), (166, 48838), (167, 48919), (168, 48922), (171, 48982), (172, 49006), (174, 49057), (175, 49081), (178, 49105), (184, 49357), (186, 49414), (193, 49672), (194, 49741), (198, 49789), (205, 49876), (206, 49909), (207, 49912),

Gene: NuevoMundo_103 Start: 47196, Stop: 51308, Start Num: 2

Candidate Starts for NuevoMundo_103:

(Start: 2 @47196 has 170 MA's), (10, 47307), (11, 47331), (23, 47595), (24, 47601), (26, 47667), (29, 47703), (31, 47784), (33, 47820), (34, 47832), (35, 47838), (36, 48039), (46, 48420), (52, 48573), (53, 48642), (55, 48669), (59, 48750), (61, 48792), (63, 48828), (66, 48840), (69, 48897), (73, 48930), (74, 48975), (79, 48993), (82, 49038), (88, 49086), (91, 49119), (98, 49143), (105, 49197), (109, 49224), (112, 49245), (117, 49293), (118, 49314), (123, 49440), (126, 49491), (130, 49512), (131, 49524), (133, 49566), (140, 49716), (141, 49749), (142, 49752), (144, 49803), (146, 49848), (147, 49854), (148, 49896), (153, 49959), (158, 50037), (160, 50094), (161, 50112), (163, 50145), (164, 50148), (165, 50187), (166, 50190), (167, 50271), (168, 50274), (171, 50334), (172, 50358), (174, 50409), (175, 50433), (178, 50457), (184, 50709), (186, 50766), (193, 51024), (194, 51093), (198, 51141), (205, 51228), (206, 51261), (207, 51264),

Gene: ParkTD_98 Start: 45067, Stop: 49176, Start Num: 2

Candidate Starts for ParkTD_98:

(Start: 2 @45067 has 170 MA's), (10, 45178), (11, 45202), (23, 45466), (24, 45472), (26, 45538), (29, 45574), (31, 45655), (33, 45691), (34, 45703), (35, 45709), (36, 45910), (37, 45970), (46, 46288), (52, 46441), (53, 46510), (55, 46537), (59, 46618), (61, 46660), (63, 46696), (66, 46708), (69, 46765), (73, 46798), (74, 46843), (79, 46861), (82, 46906), (88, 46954), (91, 46987), (105, 47065), (109, 47092), (117, 47161), (118, 47182), (123, 47308), (126, 47359), (130, 47380), (131, 47392), (133, 47434), (140, 47584), (141, 47617), (142, 47620), (144, 47671), (146, 47716), (147, 47722), (148, 47764), (153, 47827), (158, 47905), (160, 47962), (161, 47980), (163, 48013), (164, 48016), (165, 48055), (166, 48058), (167, 48139), (168, 48142), (171, 48202), (172, 48226), (174, 48277), (175, 48301), (178, 48325), (184, 48577), (186, 48634), (193, 48892), (194, 48961), (198, 49009), (205, 49096), (206, 49129), (207, 49132),

Gene: Patter_98 Start: 44500, Stop: 48612, Start Num: 2

Candidate Starts for Patter_98:

(Start: 2 @44500 has 170 MA's), (10, 44611), (11, 44635), (23, 44899), (24, 44905), (26, 44971), (29, 45007), (31, 45088), (33, 45124), (34, 45136), (35, 45142), (36, 45343), (46, 45724), (52, 45877), (53, 45946), (55, 45973), (59, 46054), (61, 46096), (63, 46132), (66, 46144), (69, 46201), (73, 46234), (74, 46279), (79, 46297), (82, 46342), (88, 46390), (91, 46423), (98, 46447), (105, 46501), (109, 46528), (112, 46549), (117, 46597), (118, 46618), (123, 46744), (126, 46795), (130, 46816), (131, 46828), (133, 46870), (140, 47020), (141, 47053), (142, 47056), (144, 47107), (146, 47152), (147, 47158), (148, 47200), (153, 47263), (158, 47341), (160, 47398), (161, 47416), (163, 47449), (164, 47452), (165, 47491), (166, 47494), (167, 47575), (168, 47578), (171, 47638), (172, 47662), (174, 47713), (175, 47737), (178, 47761), (184, 48013), (186, 48070), (193, 48328), (194, 48397), (198, 48445), (205, 48532), (206, 48565), (207, 48568),

Gene: Phabba_102 Start: 45879, Stop: 49508, Start Num: 2

Candidate Starts for Phabba_102:

(Start: 2 @45879 has 170 MA's), (5, 45903), (11, 46014), (15, 46098), (17, 46155), (18, 46158), (24, 46284), (25, 46341), (26, 46350), (30, 46416), (35, 46521), (39, 46545), (41, 46584), (42, 46587), (47, 46671), (50, 46725), (53, 46839), (54, 46857), (56, 46905), (59, 46953), (60, 46986), (61, 46995), (83, 47172), (101, 47316), (102, 47325), (103, 47328), (106, 47355), (115, 47424), (117, 47445), (122, 47547), (127, 47640), (130, 47661), (135, 47802), (136, 47850), (140, 47886), (143, 47937), (144, 47970), (146, 48033), (147, 48039), (152, 48090), (153, 48114), (160, 48246), (161, 48264), (162, 48282), (166, 48336), (170, 48471), (184, 48906), (185, 48954), (187, 48969), (193, 49206), (194, 49275), (196, 49293), (199, 49326), (202, 49401), (209, 49497),

Gene: Phlegm_100 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Phlegm_100:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Phox_94 Start: 44924, Stop: 49459, Start Num: 2

Candidate Starts for Phox_94:

(Start: 2 @44924 has 170 MA's), (10, 45035), (11, 45059), (23, 45323), (24, 45329), (26, 45395), (29, 45431), (31, 45512), (33, 45548), (34, 45560), (35, 45566), (36, 45767), (37, 45827), (49, 46217), (50, 46253), (53, 46373), (54, 46391), (59, 46487), (60, 46520), (61, 46529), (67, 46625), (68, 46643), (73, 46715), (75, 46835), (77, 46898), (78, 46934), (81, 46982), (85, 47033), (86, 47039), (87, 47042), (89, 47078), (92, 47126), (95, 47144), (99, 47189), (104, 47237), (105, 47270), (110, 47348), (111, 47375), (117, 47444), (118, 47465), (123, 47591), (126, 47642), (130, 47663), (131, 47675), (133, 47717), (140, 47867), (141, 47900), (142, 47903), (144, 47954), (146, 47999), (147, 48005), (148, 48047), (153, 48110), (158, 48188), (160, 48245), (161, 48263), (163, 48296), (164, 48299), (165, 48338), (166, 48341), (167, 48422), (168, 48425), (171, 48485), (172, 48509), (174, 48560), (175, 48584), (178, 48608), (184, 48860), (186, 48917), (193, 49175), (194, 49244), (198, 49292), (205, 49379), (206, 49412), (207, 49415),

Gene: Phusco_98 Start: 45248, Stop: 49360, Start Num: 2

Candidate Starts for Phusco_98:

(Start: 2 @45248 has 170 MA's), (10, 45359), (11, 45383), (23, 45647), (24, 45653), (26, 45719), (29, 45755), (31, 45836), (33, 45872), (34, 45884), (35, 45890), (36, 46091), (46, 46472), (52, 46625), (53, 46694), (55, 46721), (59, 46802), (61, 46844), (63, 46880), (66, 46892), (69, 46949), (73, 46982), (74, 47027), (79, 47045), (82, 47090), (88, 47138), (91, 47171), (98, 47195), (105, 47249), (109, 47276), (112, 47297), (117, 47345), (118, 47366), (123, 47492), (126, 47543), (130, 47564), (131, 47576), (133, 47618), (140, 47768), (141, 47801), (142, 47804), (144, 47855), (146, 47900), (147, 47906), (148, 47948), (153, 48011), (158, 48089), (160, 48146), (161, 48164), (163, 48197), (164, 48200), (165, 48239), (166, 48242), (167, 48323), (168, 48326), (171, 48386), (172, 48410), (174, 48461), (175, 48485), (178, 48509), (184, 48761), (186, 48818), (193, 49076), (194, 49145), (198, 49193), (205, 49280), (206, 49313), (207, 49316),

Gene: Pier_101 Start: 46081, Stop: 49803, Start Num: 2

Candidate Starts for Pier_101:

(Start: 2 @46081 has 170 MA's), (6, 46120), (10, 46192), (11, 46216), (23, 46480), (24, 46486), (26, 46552), (29, 46588), (31, 46669), (33, 46705), (34, 46717), (35, 46723), (48, 46906), (49, 46927), (50,

46963), (53, 47083), (54, 47101), (59, 47197), (60, 47230), (61, 47239), (67, 47335), (68, 47353), (73, 47425), (74, 47470), (79, 47488), (82, 47533), (88, 47581), (91, 47614), (98, 47638), (105, 47692), (109, 47719), (112, 47740), (117, 47788), (118, 47809), (123, 47935), (126, 47986), (130, 48007), (131, 48019), (133, 48061), (140, 48211), (141, 48244), (142, 48247), (144, 48298), (146, 48343), (147, 48349), (148, 48391), (153, 48454), (158, 48532), (160, 48589), (161, 48607), (163, 48640), (164, 48643), (165, 48682), (166, 48685), (167, 48766), (168, 48769), (171, 48829), (172, 48853), (174, 48904), (175, 48928), (178, 48952), (184, 49204), (186, 49261), (193, 49519), (194, 49588), (198, 49636), (205, 49723), (206, 49756), (207, 49759),

Gene: Pinkcreek_88 Start: 42010, Stop: 46119, Start Num: 2

Candidate Starts for Pinkcreek_88:

(Start: 2 @42010 has 170 MA's), (9, 42088), (10, 42121), (11, 42145), (23, 42409), (24, 42415), (26, 42481), (29, 42517), (31, 42598), (33, 42634), (34, 42646), (35, 42652), (36, 42853), (37, 42913), (46, 43231), (52, 43384), (53, 43453), (55, 43480), (59, 43561), (61, 43603), (63, 43639), (66, 43651), (69, 43708), (73, 43741), (74, 43786), (79, 43804), (82, 43849), (88, 43897), (91, 43930), (105, 44008), (109, 44035), (117, 44104), (118, 44125), (123, 44251), (126, 44302), (130, 44323), (131, 44335), (133, 44377), (140, 44527), (141, 44560), (142, 44563), (144, 44614), (146, 44659), (147, 44665), (148, 44707), (153, 44770), (158, 44848), (160, 44905), (161, 44923), (163, 44956), (164, 44959), (165, 44998), (166, 45001), (167, 45082), (168, 45085), (171, 45145), (172, 45169), (174, 45220), (175, 45244), (178, 45268), (184, 45520), (186, 45577), (193, 45835), (194, 45904), (198, 45952), (205, 46039), (206, 46072), (207, 46075),

Gene: Pio_101 Start: 46807, Stop: 50919, Start Num: 2

Candidate Starts for Pio_101:

(Start: 2 @46807 has 170 MA's), (10, 46918), (11, 46942), (23, 47206), (24, 47212), (26, 47278), (29, 47314), (31, 47395), (33, 47431), (34, 47443), (35, 47449), (36, 47650), (46, 48031), (52, 48184), (53, 48253), (55, 48280), (59, 48361), (61, 48403), (63, 48439), (66, 48451), (69, 48508), (73, 48541), (74, 48586), (79, 48604), (82, 48649), (88, 48697), (91, 48730), (98, 48754), (105, 48808), (109, 48835), (112, 48856), (117, 48904), (118, 48925), (123, 49051), (126, 49102), (130, 49123), (131, 49135), (133, 49177), (140, 49327), (141, 49360), (142, 49363), (144, 49414), (146, 49459), (147, 49465), (148, 49507), (153, 49570), (158, 49648), (160, 49705), (161, 49723), (163, 49756), (164, 49759), (165, 49798), (166, 49801), (167, 49882), (168, 49885), (171, 49945), (172, 49969), (174, 50020), (175, 50044), (178, 50068), (184, 50320), (186, 50377), (193, 50635), (194, 50704), (198, 50752), (205, 50839), (206, 50872), (207, 50875),

Gene: Pivoine_97 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for Pivoine_97:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Pleione_100 Start: 45085, Stop: 49194, Start Num: 2

Candidate Starts for Pleione_100:

(Start: 2 @45085 has 170 MA's), (10, 45196), (11, 45220), (23, 45484), (24, 45490), (26, 45556), (29, 45592), (31, 45673), (33, 45709), (34, 45721), (35, 45727), (36, 45928), (37, 45988), (46, 46306), (52, 46459), (53, 46528), (55, 46555), (59, 46636), (61, 46678), (63, 46714), (66, 46726), (69, 46783), (73,

46816), (74, 46861), (79, 46879), (82, 46924), (88, 46972), (91, 47005), (98, 47029), (105, 47083), (109, 47110), (112, 47131), (117, 47179), (118, 47200), (123, 47326), (126, 47377), (130, 47398), (131, 47410), (133, 47452), (140, 47602), (141, 47635), (142, 47638), (144, 47689), (146, 47734), (147, 47740), (148, 47782), (153, 47845), (158, 47923), (160, 47980), (161, 47998), (163, 48031), (164, 48034), (165, 48073), (166, 48076), (167, 48157), (168, 48160), (171, 48220), (172, 48244), (174, 48295), (175, 48319), (178, 48343), (184, 48595), (186, 48652), (193, 48910), (194, 48979), (198, 49027), (205, 49114), (206, 49147), (207, 49150),

Gene: Pupper_94 Start: 43847, Stop: 47095, Start Num: 1

Candidate Starts for Pupper_94:

(Start: 1 @43847 has 3 MA's), (7, 43928), (11, 44003), (12, 44006), (14, 44063), (15, 44087), (19, 44150), (21, 44231), (22, 44246), (24, 44273), (28, 44357), (30, 44405), (33, 44492), (35, 44510), (40, 44549), (45, 44597), (57, 44786), (61, 44867), (69, 44972), (70, 44993), (73, 44999), (114, 45209), (116, 45227), (121, 45251), (124, 45338), (128, 45377), (133, 45440), (145, 45659), (147, 45704), (149, 45722), (155, 45803), (161, 45926), (170, 46136), (171, 46145), (176, 46241), (177, 46244), (179, 46304), (180, 46352), (182, 46478), (183, 46496), (185, 46550), (191, 46712), (192, 46796), (194, 46877), (204, 47012), (207, 47051), (208, 47081),

Gene: PurduePete_97 Start: 45279, Stop: 49448, Start Num: 2

Candidate Starts for PurduePete_97:

(Start: 2 @45279 has 170 MA's), (10, 45390), (11, 45414), (23, 45678), (24, 45684), (26, 45750), (29, 45786), (31, 45867), (33, 45903), (34, 45915), (35, 45921), (36, 46122), (37, 46182), (48, 46551), (49, 46572), (50, 46608), (53, 46728), (59, 46842), (60, 46875), (61, 46884), (67, 46980), (68, 46998), (73, 47070), (74, 47115), (79, 47133), (82, 47178), (88, 47226), (91, 47259), (98, 47283), (105, 47337), (109, 47364), (112, 47385), (117, 47433), (118, 47454), (123, 47580), (126, 47631), (130, 47652), (131, 47664), (133, 47706), (140, 47856), (141, 47889), (142, 47892), (144, 47943), (146, 47988), (147, 47994), (148, 48036), (153, 48099), (158, 48177), (160, 48234), (161, 48252), (163, 48285), (164, 48288), (165, 48327), (166, 48330), (167, 48411), (168, 48414), (171, 48474), (172, 48498), (174, 48549), (175, 48573), (178, 48597), (184, 48849), (186, 48906), (193, 49164), (194, 49233), (198, 49281), (205, 49368), (206, 49401), (207, 49404),

Gene: QBert_91 Start: 44601, Stop: 48461, Start Num: 2

Candidate Starts for QBert_91:

(Start: 2 @44601 has 170 MA's), (10, 44712), (11, 44736), (23, 45000), (24, 45006), (26, 45072), (29, 45108), (31, 45189), (33, 45225), (34, 45237), (35, 45243), (48, 45564), (49, 45585), (50, 45621), (53, 45741), (59, 45855), (60, 45888), (61, 45897), (67, 45993), (68, 46011), (73, 46083), (74, 46128), (79, 46146), (82, 46191), (88, 46239), (91, 46272), (98, 46296), (105, 46350), (109, 46377), (112, 46398), (117, 46446), (118, 46467), (123, 46593), (126, 46644), (130, 46665), (131, 46677), (133, 46719), (140, 46869), (141, 46902), (142, 46905), (144, 46956), (146, 47001), (147, 47007), (148, 47049), (153, 47112), (158, 47190), (160, 47247), (161, 47265), (163, 47298), (164, 47301), (165, 47340), (166, 47343), (167, 47424), (168, 47427), (171, 47487), (172, 47511), (174, 47562), (175, 47586), (178, 47610), (184, 47862), (186, 47919), (193, 48177), (194, 48246), (198, 48294), (205, 48381), (206, 48414), (207, 48417),

Gene: Quasimodo_98 Start: 45028, Stop: 49137, Start Num: 2

Candidate Starts for Quasimodo_98:

(Start: 2 @45028 has 170 MA's), (10, 45139), (11, 45163), (23, 45427), (24, 45433), (26, 45499), (29, 45535), (31, 45616), (33, 45652), (34, 45664), (35, 45670), (36, 45871), (37, 45931), (46, 46249), (52, 46402), (53, 46471), (55, 46498), (59, 46579), (61, 46621), (63, 46657), (66, 46669), (69, 46726), (73, 46759), (74, 46804), (79, 46822), (82, 46867), (88, 46915), (91, 46948), (105, 47026), (109, 47053), (117, 47122), (118, 47143), (123, 47269), (126, 47320), (130, 47341), (131, 47353), (133, 47395), (140, 47545), (141, 47578), (142, 47581), (144, 47632), (146, 47677), (147, 47683), (148, 47725), (153, 47788), (158, 47866), (160, 47923), (161, 47941), (163, 47974), (164, 47977), (165, 48016),

(166, 48019), (167, 48100), (168, 48103), (171, 48163), (172, 48187), (174, 48238), (175, 48262), (178, 48286), (184, 48538), (186, 48595), (193, 48853), (194, 48922), (198, 48970), (205, 49057), (206, 49090), (207, 49093),

Gene: Rabinovish_94 Start: 45095, Stop: 49204, Start Num: 2

Candidate Starts for Rabinovish_94:

(Start: 2 @45095 has 170 MA's), (8, 45158), (10, 45206), (11, 45230), (23, 45494), (24, 45500), (26, 45566), (29, 45602), (31, 45683), (33, 45719), (34, 45731), (35, 45737), (36, 45938), (37, 45998), (46, 46316), (52, 46469), (53, 46538), (55, 46565), (59, 46646), (61, 46688), (63, 46724), (66, 46736), (69, 46793), (73, 46826), (74, 46871), (79, 46889), (82, 46934), (88, 46982), (91, 47015), (105, 47093), (109, 47120), (117, 47189), (118, 47210), (123, 47336), (126, 47387), (130, 47408), (131, 47420), (133, 47462), (140, 47612), (141, 47645), (142, 47648), (144, 47699), (146, 47744), (147, 47750), (148, 47792), (153, 47855), (158, 47933), (160, 47990), (161, 48008), (163, 48041), (164, 48044), (165, 48083), (166, 48086), (167, 48167), (168, 48170), (171, 48230), (172, 48254), (174, 48305), (175, 48329), (178, 48353), (184, 48605), (186, 48662), (193, 48920), (194, 48989), (198, 49037), (205, 49124), (206, 49157), (207, 49160),

Gene: Rahel_97 Start: 44840, Stop: 48952, Start Num: 2

Candidate Starts for Rahel_97:

(Start: 2 @44840 has 170 MA's), (10, 44951), (11, 44975), (23, 45239), (24, 45245), (26, 45311), (29, 45347), (31, 45428), (33, 45464), (34, 45476), (35, 45482), (36, 45683), (46, 46064), (52, 46217), (53, 46286), (55, 46313), (59, 46394), (61, 46436), (63, 46472), (66, 46484), (69, 46541), (73, 46574), (74, 46619), (79, 46637), (82, 46682), (88, 46730), (91, 46763), (98, 46787), (105, 46841), (109, 46868), (112, 46889), (117, 46937), (118, 46958), (123, 47084), (126, 47135), (130, 47156), (131, 47168), (133, 47210), (140, 47360), (141, 47393), (142, 47396), (144, 47447), (146, 47492), (147, 47498), (148, 47540), (153, 47603), (158, 47681), (160, 47738), (161, 47756), (163, 47789), (164, 47792), (165, 47831), (166, 47834), (167, 47915), (168, 47918), (171, 47978), (172, 48002), (174, 48053), (175, 48077), (178, 48101), (184, 48353), (186, 48410), (193, 48668), (194, 48737), (198, 48785), (205, 48872), (206, 48905), (207, 48908),

Gene: Rizal_94 Start: 43988, Stop: 48100, Start Num: 2

Candidate Starts for Rizal_94:

(Start: 2 @43988 has 170 MA's), (10, 44099), (11, 44123), (23, 44387), (24, 44393), (26, 44459), (29, 44495), (31, 44576), (33, 44612), (34, 44624), (35, 44630), (36, 44831), (46, 45212), (52, 45365), (53, 45434), (55, 45461), (59, 45542), (61, 45584), (63, 45620), (66, 45632), (69, 45689), (73, 45722), (74, 45767), (79, 45785), (82, 45830), (88, 45878), (91, 45911), (98, 45935), (105, 45989), (109, 46016), (112, 46037), (117, 46085), (118, 46106), (123, 46232), (126, 46283), (130, 46304), (131, 46316), (133, 46358), (140, 46508), (141, 46541), (142, 46544), (144, 46595), (146, 46640), (147, 46646), (148, 46688), (153, 46751), (158, 46829), (160, 46886), (161, 46904), (163, 46937), (164, 46940), (165, 46979), (166, 46982), (167, 47063), (168, 47066), (171, 47126), (172, 47150), (174, 47201), (175, 47225), (178, 47249), (184, 47501), (186, 47558), (193, 47816), (194, 47885), (198, 47933), (205, 48020), (206, 48053), (207, 48056),

Gene: RoMag_92 Start: 44442, Stop: 48302, Start Num: 2

Candidate Starts for RoMag_92:

(Start: 2 @44442 has 170 MA's), (10, 44553), (11, 44577), (23, 44841), (24, 44847), (26, 44913), (29, 44949), (31, 45030), (33, 45066), (34, 45078), (35, 45084), (48, 45405), (49, 45426), (50, 45462), (53, 45582), (59, 45696), (60, 45729), (61, 45738), (67, 45834), (68, 45852), (73, 45924), (74, 45969), (79, 45987), (82, 46032), (88, 46080), (91, 46113), (98, 46137), (105, 46191), (109, 46218), (112, 46239), (117, 46287), (118, 46308), (123, 46434), (126, 46485), (130, 46506), (131, 46518), (133, 46560), (140, 46710), (141, 46743), (142, 46746), (144, 46797), (146, 46842), (147, 46848), (148, 46890), (153, 46953), (158, 47031), (160, 47088), (161, 47106), (163, 47139), (164, 47142), (165, 47181), (166, 47184), (167, 47265), (168, 47268), (171, 47328), (172, 47352), (174, 47403), (175, 47427),

(178, 47451), (184, 47703), (186, 47760), (193, 48018), (194, 48087), (198, 48135), (205, 48222), (206, 48255), (207, 48258),

Gene: Ronan_91 Start: 42329, Stop: 46189, Start Num: 2

Candidate Starts for Ronan_91:

(Start: 2 @42329 has 170 MA's), (10, 42440), (11, 42464), (23, 42728), (24, 42734), (26, 42800), (29, 42836), (31, 42917), (33, 42953), (34, 42965), (35, 42971), (48, 43292), (49, 43313), (50, 43349), (53, 43469), (59, 43583), (60, 43616), (61, 43625), (67, 43721), (68, 43739), (73, 43811), (74, 43856), (79, 43874), (82, 43919), (88, 43967), (91, 44000), (98, 44024), (105, 44078), (109, 44105), (112, 44126), (117, 44174), (118, 44195), (123, 44321), (126, 44372), (130, 44393), (131, 44405), (133, 44447), (140, 44597), (141, 44630), (142, 44633), (144, 44684), (146, 44729), (147, 44735), (148, 44777), (153, 44840), (158, 44918), (160, 44975), (161, 44993), (163, 45026), (164, 45029), (165, 45068), (166, 45071), (167, 45152), (168, 45155), (171, 45215), (172, 45239), (174, 45290), (175, 45314), (178, 45338), (184, 45590), (186, 45647), (193, 45905), (194, 45974), (198, 46022), (205, 46109), (206, 46142), (207, 46145),

Gene: Roots515_96 Start: 45264, Stop: 49373, Start Num: 2

Candidate Starts for Roots515_96:

(Start: 2 @45264 has 170 MA's), (10, 45375), (11, 45399), (23, 45663), (24, 45669), (26, 45735), (29, 45771), (31, 45852), (33, 45888), (34, 45900), (35, 45906), (36, 46107), (37, 46167), (46, 46485), (52, 46638), (53, 46707), (55, 46734), (59, 46815), (61, 46857), (63, 46893), (66, 46905), (69, 46962), (73, 46995), (74, 47040), (79, 47058), (82, 47103), (88, 47151), (91, 47184), (105, 47262), (109, 47289), (117, 47358), (118, 47379), (123, 47505), (126, 47556), (130, 47577), (131, 47589), (133, 47631), (140, 47781), (141, 47814), (142, 47817), (144, 47868), (146, 47913), (147, 47919), (148, 47961), (153, 48024), (158, 48102), (160, 48159), (161, 48177), (163, 48210), (164, 48213), (165, 48252), (166, 48255), (167, 48336), (168, 48339), (171, 48399), (172, 48423), (174, 48474), (175, 48498), (178, 48522), (184, 48774), (186, 48831), (193, 49089), (194, 49158), (198, 49206), (205, 49293), (206, 49326), (207, 49329),

Gene: SCentae_93 Start: 43993, Stop: 47241, Start Num: 1

Candidate Starts for SCentae_93:

(Start: 1 @43993 has 3 MA's), (7, 44074), (11, 44149), (12, 44152), (14, 44209), (15, 44233), (19, 44296), (21, 44377), (22, 44392), (24, 44419), (28, 44503), (30, 44551), (33, 44638), (35, 44656), (40, 44695), (45, 44743), (57, 44932), (61, 45013), (69, 45118), (70, 45139), (73, 45145), (114, 45355), (116, 45373), (121, 45397), (124, 45484), (128, 45523), (133, 45586), (145, 45805), (147, 45850), (149, 45868), (155, 45949), (161, 46072), (170, 46282), (171, 46291), (176, 46387), (177, 46390), (179, 46450), (180, 46498), (182, 46624), (183, 46642), (185, 46696), (191, 46858), (192, 46942), (194, 47023), (204, 47158), (207, 47197), (208, 47227),

Gene: Salacia_101 Start: 45319, Stop: 49431, Start Num: 2

Candidate Starts for Salacia_101:

(Start: 2 @45319 has 170 MA's), (10, 45430), (11, 45454), (23, 45718), (24, 45724), (26, 45790), (29, 45826), (31, 45907), (33, 45943), (34, 45955), (35, 45961), (36, 46162), (46, 46543), (52, 46696), (53, 46765), (55, 46792), (59, 46873), (61, 46915), (63, 46951), (66, 46963), (69, 47020), (73, 47053), (74, 47098), (79, 47116), (82, 47161), (88, 47209), (91, 47242), (98, 47266), (105, 47320), (109, 47347), (112, 47368), (117, 47416), (118, 47437), (123, 47563), (126, 47614), (130, 47635), (131, 47647), (133, 47689), (140, 47839), (141, 47872), (142, 47875), (144, 47926), (146, 47971), (147, 47977), (148, 48019), (153, 48082), (158, 48160), (160, 48217), (161, 48235), (163, 48268), (164, 48271), (165, 48310), (166, 48313), (167, 48394), (168, 48397), (171, 48457), (172, 48481), (174, 48532), (175, 48556), (178, 48580), (184, 48832), (186, 48889), (193, 49147), (194, 49216), (198, 49264), (205, 49351), (206, 49384), (207, 49387),

Gene: Sauce_98 Start: 44368, Stop: 48228, Start Num: 2

Candidate Starts for Sauce_98:

(Start: 2 @44368 has 170 MA's), (10, 44479), (11, 44503), (23, 44767), (24, 44773), (26, 44839), (29, 44875), (31, 44956), (33, 44992), (34, 45004), (35, 45010), (48, 45331), (49, 45352), (50, 45388), (53, 45508), (59, 45622), (60, 45655), (61, 45664), (67, 45760), (68, 45778), (73, 45850), (74, 45895), (79, 45913), (82, 45958), (88, 46006), (91, 46039), (98, 46063), (105, 46117), (109, 46144), (112, 46165), (117, 46213), (118, 46234), (123, 46360), (126, 46411), (130, 46432), (131, 46444), (133, 46486), (140, 46636), (141, 46669), (142, 46672), (144, 46723), (146, 46768), (147, 46774), (148, 46816), (153, 46879), (158, 46957), (160, 47014), (161, 47032), (163, 47065), (164, 47068), (165, 47107), (166, 47110), (167, 47191), (168, 47194), (171, 47254), (172, 47278), (174, 47329), (175, 47353), (178, 47377), (184, 47629), (186, 47686), (193, 47944), (194, 48013), (198, 48061), (205, 48148), (206, 48181), (207, 48184),

Gene: ScoobyDoobyDoo_90 Start: 42672, Stop: 46445, Start Num: 2

Candidate Starts for ScoobyDoobyDoo_90:

(Start: 2 @42672 has 170 MA's), (11, 42807), (13, 42831), (15, 42891), (16, 42903), (17, 42948), (18, 42951), (19, 42954), (24, 43077), (25, 43134), (26, 43143), (30, 43209), (31, 43260), (32, 43269), (33, 43296), (35, 43314), (43, 43374), (47, 43449), (50, 43509), (53, 43623), (59, 43737), (60, 43770), (61, 43779), (62, 43839), (64, 43845), (65, 43851), (72, 43944), (100, 44250), (101, 44265), (103, 44277), (106, 44304), (108, 44325), (115, 44373), (117, 44394), (127, 44592), (134, 44730), (135, 44754), (138, 44817), (140, 44838), (143, 44889), (144, 44916), (147, 44979), (150, 45018), (154, 45078), (160, 45186), (161, 45204), (162, 45219), (169, 45360), (170, 45408), (177, 45555), (179, 45633), (182, 45819), (185, 45891), (187, 45906), (188, 45939), (189, 45954), (191, 46050), (193, 46143), (194, 46212), (199, 46263), (202, 46338),

Gene: ScottMcG_94 Start: 44239, Stop: 48348, Start Num: 2

Candidate Starts for ScottMcG_94:

(Start: 2 @44239 has 170 MA's), (10, 44350), (11, 44374), (23, 44638), (24, 44644), (26, 44710), (29, 44746), (31, 44827), (33, 44863), (34, 44875), (35, 44881), (36, 45082), (37, 45142), (46, 45460), (52, 45613), (53, 45682), (55, 45709), (59, 45790), (61, 45832), (63, 45868), (66, 45880), (69, 45937), (73, 45970), (74, 46015), (79, 46033), (82, 46078), (88, 46126), (91, 46159), (105, 46237), (109, 46264), (117, 46333), (118, 46354), (123, 46480), (126, 46531), (130, 46552), (131, 46564), (133, 46606), (140, 46756), (141, 46789), (142, 46792), (144, 46843), (146, 46888), (147, 46894), (148, 46936), (153, 46999), (158, 47077), (160, 47134), (161, 47152), (163, 47185), (164, 47188), (165, 47227), (166, 47230), (167, 47311), (168, 47314), (171, 47374), (172, 47398), (174, 47449), (175, 47473), (178, 47497), (184, 47749), (186, 47806), (193, 48064), (194, 48133), (198, 48181), (205, 48268), (206, 48301), (207, 48304),

Gene: Sebata_99 Start: 45968, Stop: 49828, Start Num: 2

Candidate Starts for Sebata_99:

(Start: 2 @45968 has 170 MA's), (10, 46079), (11, 46103), (23, 46367), (24, 46373), (26, 46439), (29, 46475), (31, 46556), (33, 46592), (34, 46604), (35, 46610), (48, 46931), (49, 46952), (50, 46988), (53, 47108), (59, 47222), (60, 47255), (61, 47264), (67, 47360), (68, 47378), (73, 47450), (74, 47495), (79, 47513), (82, 47558), (88, 47606), (91, 47639), (98, 47663), (105, 47717), (109, 47744), (112, 47765), (117, 47813), (118, 47834), (123, 47960), (126, 48011), (130, 48032), (131, 48044), (133, 48086), (140, 48236), (141, 48269), (142, 48272), (144, 48323), (146, 48368), (147, 48374), (148, 48416), (153, 48479), (158, 48557), (160, 48614), (161, 48632), (163, 48665), (164, 48668), (165, 48707), (166, 48710), (167, 48791), (168, 48794), (171, 48854), (172, 48878), (174, 48929), (175, 48953), (178, 48977), (184, 49229), (186, 49286), (193, 49544), (194, 49613), (198, 49661), (205, 49748), (206, 49781), (207, 49784),

Gene: Shaqnato_90 Start: 43243, Stop: 47103, Start Num: 2

Candidate Starts for Shaqnato_90:

(Start: 2 @43243 has 170 MA's), (10, 43354), (11, 43378), (23, 43642), (24, 43648), (26, 43714), (29, 43750), (31, 43831), (33, 43867), (34, 43879), (35, 43885), (48, 44206), (49, 44227), (50, 44263), (53, 44383), (59, 44497), (60, 44530), (61, 44539), (67, 44635), (68, 44653), (73, 44725), (74, 44770), (79, 44788), (82, 44833), (88, 44881), (91, 44914), (98, 44938), (105, 44992), (109, 45019), (112, 45040), (117, 45088), (118, 45109), (123, 45235), (126, 45286), (130, 45307), (131, 45319), (133, 45361), (140, 45511), (141, 45544), (142, 45547), (144, 45598), (146, 45643), (147, 45649), (148, 45691), (153, 45754), (158, 45832), (160, 45889), (161, 45907), (163, 45940), (164, 45943), (165, 45982), (166, 45985), (167, 46066), (168, 46069), (171, 46129), (172, 46153), (174, 46204), (175, 46228), (178, 46252), (184, 46504), (186, 46561), (193, 46819), (194, 46888), (198, 46936), (205, 47023), (206, 47056), (207, 47059),

Gene: Shelob_99 Start: 46063, Stop: 50172, Start Num: 2

Candidate Starts for Shelob_99:

(Start: 2 @46063 has 170 MA's), (10, 46174), (11, 46198), (23, 46462), (24, 46468), (26, 46534), (29, 46570), (31, 46651), (33, 46687), (34, 46699), (35, 46705), (36, 46906), (37, 46966), (46, 47284), (52, 47437), (53, 47506), (55, 47533), (59, 47614), (61, 47656), (63, 47692), (66, 47704), (69, 47761), (73, 47794), (74, 47839), (79, 47857), (82, 47902), (88, 47950), (91, 47983), (105, 48061), (109, 48088), (117, 48157), (118, 48178), (123, 48304), (126, 48355), (130, 48376), (131, 48388), (133, 48430), (140, 48580), (141, 48613), (142, 48616), (144, 48667), (146, 48712), (147, 48718), (148, 48760), (153, 48823), (158, 48901), (160, 48958), (161, 48976), (163, 49009), (164, 49012), (165, 49051), (166, 49054), (167, 49135), (168, 49138), (171, 49198), (172, 49222), (174, 49273), (175, 49297), (178, 49321), (184, 49573), (186, 49630), (193, 49888), (194, 49957), (198, 50005), (205, 50092), (206, 50125), (207, 50128),

Gene: ShiaLabeouf_97 Start: 45275, Stop: 49387, Start Num: 2

Candidate Starts for ShiaLabeouf_97:

(Start: 2 @45275 has 170 MA's), (10, 45386), (11, 45410), (23, 45674), (24, 45680), (26, 45746), (29, 45782), (31, 45863), (33, 45899), (34, 45911), (35, 45917), (36, 46118), (46, 46499), (52, 46652), (53, 46721), (55, 46748), (59, 46829), (61, 46871), (63, 46907), (66, 46919), (69, 46976), (73, 47009), (74, 47054), (79, 47072), (82, 47117), (88, 47165), (91, 47198), (98, 47222), (105, 47276), (109, 47303), (112, 47324), (117, 47372), (118, 47393), (123, 47519), (126, 47570), (130, 47591), (131, 47603), (133, 47645), (140, 47795), (141, 47828), (142, 47831), (144, 47882), (146, 47927), (147, 47933), (148, 47975), (153, 48038), (158, 48116), (160, 48173), (161, 48191), (163, 48224), (164, 48227), (165, 48266), (166, 48269), (167, 48350), (168, 48353), (171, 48413), (172, 48437), (174, 48488), (175, 48512), (178, 48536), (184, 48788), (186, 48845), (193, 49103), (194, 49172), (198, 49220), (205, 49307), (206, 49340), (207, 49343),

Gene: Shifa_86 Start: 42697, Stop: 47232, Start Num: 2

Candidate Starts for Shifa_86:

(Start: 2 @42697 has 170 MA's), (10, 42808), (11, 42832), (21, 43060), (23, 43096), (24, 43102), (26, 43168), (29, 43204), (31, 43285), (33, 43321), (34, 43333), (35, 43339), (36, 43540), (37, 43600), (49, 43990), (50, 44026), (53, 44146), (54, 44164), (59, 44260), (60, 44293), (61, 44302), (67, 44398), (68, 44416), (73, 44488), (75, 44608), (77, 44671), (78, 44707), (81, 44755), (85, 44806), (86, 44812), (87, 44815), (89, 44851), (92, 44899), (95, 44917), (99, 44962), (104, 45010), (105, 45043), (110, 45121), (111, 45148), (117, 45217), (118, 45238), (123, 45364), (126, 45415), (130, 45436), (131, 45448), (133, 45490), (140, 45640), (141, 45673), (142, 45676), (144, 45727), (146, 45772), (147, 45778), (148, 45820), (153, 45883), (158, 45961), (160, 46018), (161, 46036), (163, 46069), (164, 46072), (165, 46111), (166, 46114), (167, 46195), (168, 46198), (171, 46258), (172, 46282), (174, 46333), (175, 46357), (178, 46381), (184, 46633), (186, 46690), (193, 46948), (194, 47017), (198, 47065), (205, 47152), (206, 47185), (207, 47188),

Gene: Shnickers_98 Start: 45239, Stop: 49351, Start Num: 2

Candidate Starts for Shnickers_98:

(Start: 2 @45239 has 170 MA's), (10, 45350), (11, 45374), (23, 45638), (24, 45644), (26, 45710), (29, 45746), (31, 45827), (33, 45863), (34, 45875), (35, 45881), (36, 46082), (46, 46463), (52, 46616), (53, 46685), (55, 46712), (59, 46793), (61, 46835), (63, 46871), (66, 46883), (69, 46940), (73, 46973), (74, 47018), (79, 47036), (82, 47081), (88, 47129), (91, 47162), (98, 47186), (105, 47240), (109, 47267), (112, 47288), (117, 47336), (118, 47357), (123, 47483), (126, 47534), (130, 47555), (131, 47567), (133, 47609), (140, 47759), (141, 47792), (142, 47795), (144, 47846), (146, 47891), (147, 47897), (148, 47939), (153, 48002), (158, 48080), (160, 48137), (161, 48155), (163, 48188), (164, 48191), (165, 48230), (166, 48233), (167, 48314), (168, 48317), (171, 48377), (172, 48401), (174, 48452), (175, 48476), (178, 48500), (184, 48752), (186, 48809), (193, 49067), (194, 49136), (198, 49184), (205, 49271), (206, 49304), (207, 49307),

Gene: Shrimp_97 Start: 45075, Stop: 49184, Start Num: 2

Candidate Starts for Shrimp_97:

(Start: 2 @45075 has 170 MA's), (10, 45186), (11, 45210), (23, 45474), (24, 45480), (26, 45546), (29, 45582), (31, 45663), (33, 45699), (34, 45711), (35, 45717), (36, 45918), (37, 45978), (46, 46296), (52, 46449), (53, 46518), (55, 46545), (59, 46626), (61, 46668), (63, 46704), (66, 46716), (69, 46773), (73, 46806), (74, 46851), (79, 46869), (82, 46914), (88, 46962), (91, 46995), (105, 47073), (109, 47100), (117, 47169), (118, 47190), (123, 47316), (126, 47367), (130, 47388), (131, 47400), (133, 47442), (140, 47592), (141, 47625), (142, 47628), (144, 47679), (146, 47724), (147, 47730), (148, 47772), (153, 47835), (158, 47913), (160, 47970), (161, 47988), (163, 48021), (164, 48024), (165, 48063), (166, 48066), (167, 48147), (168, 48150), (171, 48210), (172, 48234), (174, 48285), (175, 48309), (178, 48333), (184, 48585), (186, 48642), (193, 48900), (194, 48969), (198, 49017), (205, 49104), (206, 49137), (207, 49140),

Gene: SilverDipper_99 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for SilverDipper_99:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696), (175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Skog_157 Start: 73546, Stop: 76794, Start Num: 1

Candidate Starts for Skog_157:

(Start: 1 @73546 has 3 MA's), (11, 73705), (12, 73708), (19, 73852), (23, 73969), (24, 73975), (28, 74059), (33, 74194), (34, 74206), (35, 74212), (40, 74251), (44, 74290), (45, 74299), (51, 74380), (57, 74488), (59, 74527), (61, 74569), (69, 74674), (70, 74695), (73, 74701), (84, 74788), (114, 74911), (116, 74929), (121, 74953), (124, 75040), (128, 75079), (133, 75145), (147, 75406), (151, 75436), (155, 75508), (156, 75526), (157, 75535), (159, 75556), (161, 75631), (167, 75787), (172, 75874), (176, 75946), (180, 76057), (182, 76183), (183, 76201), (185, 76255), (190, 76369), (192, 76501), (194, 76582), (195, 76594), (201, 76678), (204, 76717), (207, 76750), (209, 76783),

Gene: SmallFry_98 Start: 44464, Stop: 48576, Start Num: 2

Candidate Starts for SmallFry_98:

(Start: 2 @44464 has 170 MA's), (10, 44575), (11, 44599), (23, 44863), (24, 44869), (26, 44935), (29, 44971), (31, 45052), (33, 45088), (34, 45100), (35, 45106), (36, 45307), (46, 45688), (52, 45841), (53, 45910), (55, 45937), (59, 46018), (61, 46060), (63, 46096), (66, 46108), (69, 46165), (73, 46198), (74, 46243), (79, 46261), (82, 46306), (88, 46354), (91, 46387), (98, 46411), (105, 46465), (109, 46492),

(112, 46513), (117, 46561), (118, 46582), (123, 46708), (126, 46759), (130, 46780), (131, 46792), (133, 46834), (140, 46984), (141, 47017), (142, 47020), (144, 47071), (146, 47116), (147, 47122), (148, 47164), (153, 47227), (158, 47305), (160, 47362), (161, 47380), (163, 47413), (164, 47416), (165, 47455), (166, 47458), (167, 47539), (168, 47542), (171, 47602), (172, 47626), (174, 47677), (175, 47701), (178, 47725), (184, 47977), (186, 48034), (193, 48292), (194, 48361), (198, 48409), (205, 48496), (206, 48529), (207, 48532),

Gene: Spec_94 Start: 45004, Stop: 49116, Start Num: 2

Candidate Starts for Spec_94:

(Start: 2 @45004 has 170 MA's), (10, 45115), (11, 45139), (23, 45403), (24, 45409), (26, 45475), (29, 45511), (31, 45592), (33, 45628), (34, 45640), (35, 45646), (36, 45847), (46, 46228), (52, 46381), (53, 46450), (55, 46477), (59, 46558), (61, 46600), (63, 46636), (66, 46648), (69, 46705), (73, 46738), (74, 46783), (79, 46801), (82, 46846), (88, 46894), (91, 46927), (98, 46951), (105, 47005), (109, 47032), (112, 47053), (117, 47101), (118, 47122), (123, 47248), (126, 47299), (130, 47320), (131, 47332), (133, 47374), (140, 47524), (141, 47557), (142, 47560), (144, 47611), (146, 47656), (147, 47662), (148, 47704), (153, 47767), (158, 47845), (160, 47902), (161, 47920), (163, 47953), (164, 47956), (165, 47995), (166, 47998), (167, 48079), (168, 48082), (171, 48142), (172, 48166), (174, 48217), (175, 48241), (178, 48265), (184, 48517), (186, 48574), (193, 48832), (194, 48901), (198, 48949), (205, 49036), (206, 49069), (207, 49072),

Gene: Specks_103 Start: 47138, Stop: 51250, Start Num: 2

Candidate Starts for Specks_103:

(Start: 2 @47138 has 170 MA's), (10, 47249), (11, 47273), (23, 47537), (24, 47543), (26, 47609), (29, 47645), (31, 47726), (33, 47762), (34, 47774), (35, 47780), (36, 47981), (46, 48362), (52, 48515), (53, 48584), (55, 48611), (59, 48692), (61, 48734), (63, 48770), (66, 48782), (69, 48839), (73, 48872), (74, 48917), (79, 48935), (82, 48980), (88, 49028), (91, 49061), (98, 49085), (105, 49139), (109, 49166), (112, 49187), (117, 49235), (118, 49256), (123, 49382), (126, 49433), (130, 49454), (131, 49466), (133, 49508), (140, 49658), (141, 49691), (142, 49694), (144, 49745), (146, 49790), (147, 49796), (148, 49838), (153, 49901), (158, 49979), (160, 50036), (161, 50054), (163, 50087), (164, 50090), (165, 50129), (166, 50132), (167, 50213), (168, 50216), (171, 50276), (172, 50300), (174, 50351), (175, 50375), (178, 50399), (184, 50651), (186, 50708), (193, 50966), (194, 51035), (198, 51083), (205, 51170), (206, 51203), (207, 51206),

Gene: Sprinklers_93 Start: 43740, Stop: 47600, Start Num: 2

Candidate Starts for Sprinklers_93:

(Start: 2 @43740 has 170 MA's), (10, 43851), (11, 43875), (23, 44139), (24, 44145), (26, 44211), (29, 44247), (31, 44328), (33, 44364), (34, 44376), (35, 44382), (48, 44703), (49, 44724), (50, 44760), (53, 44880), (59, 44994), (60, 45027), (61, 45036), (67, 45132), (68, 45150), (73, 45222), (74, 45267), (79, 45285), (82, 45330), (88, 45378), (91, 45411), (98, 45435), (105, 45489), (109, 45516), (112, 45537), (117, 45585), (118, 45606), (123, 45732), (126, 45783), (130, 45804), (131, 45816), (133, 45858), (140, 46008), (141, 46041), (142, 46044), (144, 46095), (146, 46140), (147, 46146), (148, 46188), (153, 46251), (158, 46329), (160, 46386), (161, 46404), (163, 46437), (164, 46440), (165, 46479), (166, 46482), (167, 46563), (168, 46566), (171, 46626), (172, 46650), (174, 46701), (175, 46725), (178, 46749), (184, 47001), (186, 47058), (193, 47316), (194, 47385), (198, 47433), (205, 47520), (206, 47553), (207, 47556),

Gene: Spud_97 Start: 45003, Stop: 49112, Start Num: 2

Candidate Starts for Spud_97:

(Start: 2 @45003 has 170 MA's), (10, 45114), (11, 45138), (23, 45402), (24, 45408), (26, 45474), (29, 45510), (31, 45591), (33, 45627), (34, 45639), (35, 45645), (36, 45846), (37, 45906), (46, 46224), (52, 46377), (53, 46446), (55, 46473), (59, 46554), (61, 46596), (63, 46632), (66, 46644), (69, 46701), (73, 46734), (74, 46779), (79, 46797), (82, 46842), (88, 46890), (91, 46923), (105, 47001), (109, 47028), (117, 47097), (118, 47118), (123, 47244), (126, 47295), (130, 47316), (131, 47328), (133, 47370),

(140, 47520), (141, 47553), (142, 47556), (144, 47607), (146, 47652), (147, 47658), (148, 47700), (153, 47763), (158, 47841), (160, 47898), (161, 47916), (163, 47949), (164, 47952), (165, 47991), (166, 47994), (167, 48075), (168, 48078), (171, 48138), (172, 48162), (174, 48213), (175, 48237), (178, 48261), (184, 48513), (186, 48570), (193, 48828), (194, 48897), (198, 48945), (205, 49032), (206, 49065), (207, 49068),

Gene: SrishMeg2525_96 Start: 45178, Stop: 49287, Start Num: 2

Candidate Starts for SrishMeg2525_96:

(Start: 2 @45178 has 170 MA's), (10, 45289), (11, 45313), (23, 45577), (24, 45583), (26, 45649), (29, 45685), (31, 45766), (33, 45802), (34, 45814), (35, 45820), (36, 46021), (37, 46081), (46, 46399), (52, 46552), (53, 46621), (55, 46648), (59, 46729), (61, 46771), (63, 46807), (66, 46819), (69, 46876), (73, 46909), (74, 46954), (79, 46972), (82, 47017), (88, 47065), (91, 47098), (105, 47176), (109, 47203), (117, 47272), (118, 47293), (123, 47419), (126, 47470), (130, 47491), (131, 47503), (133, 47545), (140, 47695), (141, 47728), (142, 47731), (144, 47782), (146, 47827), (147, 47833), (148, 47875), (153, 47938), (158, 48016), (160, 48073), (161, 48091), (163, 48124), (164, 48127), (165, 48166), (166, 48169), (167, 48250), (168, 48253), (171, 48313), (172, 48337), (174, 48388), (175, 48412), (178, 48436), (184, 48688), (186, 48745), (193, 49003), (194, 49072), (198, 49120), (205, 49207), (206, 49240), (207, 49243),

Gene: StephanieG_96 Start: 45902, Stop: 50071, Start Num: 2

Candidate Starts for StephanieG_96:

(Start: 2 @45902 has 170 MA's), (10, 46013), (11, 46037), (23, 46301), (24, 46307), (26, 46373), (29, 46409), (31, 46490), (33, 46526), (34, 46538), (35, 46544), (36, 46745), (37, 46805), (49, 47195), (50, 47231), (53, 47351), (54, 47369), (59, 47465), (60, 47498), (61, 47507), (67, 47603), (68, 47621), (73, 47693), (74, 47738), (79, 47756), (82, 47801), (88, 47849), (91, 47882), (98, 47906), (105, 47960), (109, 47987), (112, 48008), (117, 48056), (118, 48077), (123, 48203), (126, 48254), (130, 48275), (131, 48287), (133, 48329), (140, 48479), (141, 48512), (142, 48515), (144, 48566), (146, 48611), (147, 48617), (148, 48659), (153, 48722), (158, 48800), (160, 48857), (161, 48875), (163, 48908), (164, 48911), (165, 48950), (166, 48953), (167, 49034), (168, 49037), (171, 49097), (172, 49121), (174, 49172), (175, 49196), (178, 49220), (184, 49472), (186, 49529), (193, 49787), (194, 49856), (198, 49904), (205, 49991), (206, 50024), (207, 50027),

Gene: Stubby_90 Start: 43088, Stop: 47623, Start Num: 2

Candidate Starts for Stubby_90:

(Start: 2 @43088 has 170 MA's), (10, 43199), (11, 43223), (23, 43487), (24, 43493), (26, 43559), (29, 43595), (31, 43676), (33, 43712), (34, 43724), (35, 43730), (36, 43931), (37, 43991), (49, 44381), (50, 44417), (53, 44537), (54, 44555), (59, 44651), (60, 44684), (61, 44693), (67, 44789), (68, 44807), (73, 44879), (75, 44999), (77, 45062), (78, 45098), (81, 45146), (85, 45197), (86, 45203), (87, 45206), (89, 45242), (92, 45290), (95, 45308), (99, 45353), (104, 45401), (105, 45434), (110, 45512), (111, 45539), (117, 45608), (118, 45629), (123, 45755), (126, 45806), (130, 45827), (131, 45839), (133, 45881), (140, 46031), (141, 46064), (142, 46067), (144, 46118), (146, 46163), (147, 46169), (148, 46211), (153, 46274), (158, 46352), (160, 46409), (161, 46427), (163, 46460), (164, 46463), (165, 46502), (166, 46505), (167, 46586), (168, 46589), (171, 46649), (172, 46673), (174, 46724), (175, 46748), (178, 46772), (184, 47024), (186, 47081), (193, 47339), (194, 47408), (198, 47456), (205, 47543), (206, 47576), (207, 47579),

Gene: StubbySaigey_100 Start: 43771, Stop: 47883, Start Num: 2

Candidate Starts for StubbySaigey_100:

(Start: 2 @43771 has 170 MA's), (10, 43882), (11, 43906), (23, 44170), (24, 44176), (26, 44242), (29, 44278), (31, 44359), (33, 44395), (34, 44407), (35, 44413), (36, 44614), (46, 44995), (52, 45148), (53, 45217), (55, 45244), (59, 45325), (61, 45367), (63, 45403), (66, 45415), (69, 45472), (73, 45505), (74, 45550), (79, 45568), (82, 45613), (88, 45661), (91, 45694), (98, 45718), (105, 45772), (109, 45799), (112, 45820), (117, 45868), (118, 45889), (123, 46015), (126, 46066), (130, 46087), (131, 46099),

(133, 46141), (140, 46291), (141, 46324), (142, 46327), (144, 46378), (146, 46423), (147, 46429), (148, 46471), (153, 46534), (158, 46612), (160, 46669), (161, 46687), (163, 46720), (164, 46723), (165, 46762), (166, 46765), (167, 46846), (168, 46849), (171, 46909), (172, 46933), (174, 46984), (175, 47008), (178, 47032), (184, 47284), (186, 47341), (193, 47599), (194, 47668), (198, 47716), (205, 47803), (206, 47836), (207, 47839),

Gene: Teardrop_97 Start: 44462, Stop: 48574, Start Num: 2

Candidate Starts for Teardrop_97:

(Start: 2 @44462 has 170 MA's), (10, 44573), (11, 44597), (23, 44861), (24, 44867), (26, 44933), (29, 44969), (31, 45050), (33, 45086), (34, 45098), (35, 45104), (36, 45305), (46, 45686), (52, 45839), (53, 45908), (55, 45935), (59, 46016), (61, 46058), (63, 46094), (66, 46106), (69, 46163), (73, 46196), (74, 46241), (79, 46259), (82, 46304), (88, 46352), (91, 46385), (98, 46409), (105, 46463), (109, 46490), (112, 46511), (117, 46559), (118, 46580), (123, 46706), (126, 46757), (130, 46778), (131, 46790), (133, 46832), (140, 46982), (141, 47015), (142, 47018), (144, 47069), (146, 47114), (147, 47120), (148, 47162), (153, 47225), (158, 47303), (160, 47360), (161, 47378), (163, 47411), (164, 47414), (165, 47453), (166, 47456), (167, 47537), (168, 47540), (171, 47600), (172, 47624), (174, 47675), (175, 47699), (178, 47723), (184, 47975), (186, 48032), (193, 48290), (194, 48359), (198, 48407), (205, 48494), (206, 48527), (207, 48530),

Gene: TinyTim_97 Start: 45071, Stop: 49180, Start Num: 2

Candidate Starts for TinyTim_97:

(Start: 2 @45071 has 170 MA's), (10, 45182), (11, 45206), (23, 45470), (24, 45476), (26, 45542), (29, 45578), (31, 45659), (33, 45695), (34, 45707), (35, 45713), (36, 45914), (37, 45974), (46, 46292), (52, 46445), (53, 46514), (55, 46541), (59, 46622), (61, 46664), (63, 46700), (66, 46712), (69, 46769), (73, 46802), (74, 46847), (79, 46865), (82, 46910), (88, 46958), (91, 46991), (105, 47069), (109, 47096), (117, 47165), (118, 47186), (123, 47312), (126, 47363), (130, 47384), (131, 47396), (133, 47438), (140, 47588), (141, 47621), (142, 47624), (144, 47675), (146, 47720), (147, 47726), (148, 47768), (153, 47831), (158, 47909), (160, 47966), (161, 47984), (163, 48017), (164, 48020), (165, 48059), (166, 48062), (167, 48143), (168, 48146), (171, 48206), (172, 48230), (174, 48281), (175, 48305), (178, 48329), (184, 48581), (186, 48638), (193, 48896), (194, 48965), (198, 49013), (205, 49100), (206, 49133), (207, 49136),

Gene: Tonenili_111 Start: 49216, Stop: 52926, Start Num: 2

Candidate Starts for Tonenili_111:

(Start: 2 @49216 has 170 MA's), (3, 49231), (10, 49327), (11, 49351), (23, 49615), (24, 49621), (29, 49723), (31, 49804), (32, 49813), (33, 49840), (38, 49858), (49, 50062), (50, 50098), (53, 50218), (54, 50236), (59, 50332), (60, 50365), (61, 50374), (68, 50488), (73, 50560), (74, 50605), (79, 50623), (82, 50668), (88, 50716), (91, 50749), (105, 50827), (109, 50854), (117, 50923), (118, 50944), (119, 50956), (123, 51070), (126, 51121), (131, 51154), (133, 51196), (137, 51334), (141, 51385), (142, 51388), (144, 51424), (146, 51472), (147, 51478), (153, 51577), (158, 51655), (161, 51730), (163, 51763), (164, 51766), (165, 51805), (166, 51808), (167, 51889), (168, 51892), (171, 51952), (172, 51976), (175, 52051), (184, 52327), (186, 52384), (193, 52642), (194, 52711), (198, 52759), (206, 52879), (207, 52882),

Gene: Tortoise16_95 Start: 45063, Stop: 49175, Start Num: 2

Candidate Starts for Tortoise16_95:

(Start: 2 @45063 has 170 MA's), (10, 45174), (11, 45198), (23, 45462), (24, 45468), (26, 45534), (29, 45570), (31, 45651), (33, 45687), (34, 45699), (35, 45705), (36, 45906), (46, 46287), (52, 46440), (53, 46509), (55, 46536), (59, 46617), (61, 46659), (63, 46695), (66, 46707), (69, 46764), (73, 46797), (74, 46842), (79, 46860), (82, 46905), (88, 46953), (91, 46986), (98, 47010), (105, 47064), (109, 47091), (112, 47112), (117, 47160), (118, 47181), (123, 47307), (126, 47358), (130, 47379), (131, 47391), (133, 47433), (140, 47583), (141, 47616), (142, 47619), (144, 47670), (146, 47715), (147, 47721), (148, 47763), (153, 47826), (158, 47904), (160, 47961), (161, 47979), (163, 48012), (164, 48015),

(165, 48054), (166, 48057), (167, 48138), (168, 48141), (171, 48201), (172, 48225), (174, 48276), (175, 48300), (178, 48324), (184, 48576), (186, 48633), (193, 48891), (194, 48960), (198, 49008), (205, 49095), (206, 49128), (207, 49131),

Gene: Trinitium_94 Start: 43509, Stop: 47621, Start Num: 2

Candidate Starts for Trinitium_94:

(Start: 2 @43509 has 170 MA's), (10, 43620), (11, 43644), (23, 43908), (24, 43914), (26, 43980), (29, 44016), (31, 44097), (33, 44133), (34, 44145), (35, 44151), (36, 44352), (46, 44733), (52, 44886), (53, 44955), (55, 44982), (59, 45063), (61, 45105), (63, 45141), (66, 45153), (69, 45210), (73, 45243), (74, 45288), (79, 45306), (82, 45351), (88, 45399), (91, 45432), (98, 45456), (105, 45510), (109, 45537), (112, 45558), (117, 45606), (118, 45627), (123, 45753), (126, 45804), (130, 45825), (131, 45837), (133, 45879), (140, 46029), (141, 46062), (142, 46065), (144, 46116), (146, 46161), (147, 46167), (148, 46209), (153, 46272), (158, 46350), (160, 46407), (161, 46425), (163, 46458), (164, 46461), (165, 46500), (166, 46503), (167, 46584), (168, 46587), (171, 46647), (172, 46671), (174, 46722), (175, 46746), (178, 46770), (184, 47022), (186, 47079), (193, 47337), (194, 47406), (198, 47454), (205, 47541), (206, 47574), (207, 47577),

Gene: Turret_92 Start: 42951, Stop: 47060, Start Num: 2

Candidate Starts for Turret_92:

(Start: 2 @42951 has 170 MA's), (10, 43062), (11, 43086), (23, 43350), (24, 43356), (26, 43422), (29, 43458), (31, 43539), (33, 43575), (34, 43587), (35, 43593), (36, 43794), (37, 43854), (46, 44172), (52, 44325), (53, 44394), (55, 44421), (59, 44502), (61, 44544), (63, 44580), (66, 44592), (69, 44649), (73, 44682), (74, 44727), (79, 44745), (82, 44790), (88, 44838), (91, 44871), (105, 44949), (109, 44976), (117, 45045), (118, 45066), (123, 45192), (126, 45243), (130, 45264), (131, 45276), (133, 45318), (140, 45468), (141, 45501), (142, 45504), (144, 45555), (146, 45600), (147, 45606), (148, 45648), (153, 45711), (158, 45789), (160, 45846), (161, 45864), (163, 45897), (164, 45900), (165, 45939), (166, 45942), (167, 46023), (168, 46026), (171, 46086), (172, 46110), (174, 46161), (175, 46185), (178, 46209), (184, 46461), (186, 46518), (193, 46776), (194, 46845), (198, 46893), (205, 46980), (206, 47013), (207, 47016),

Gene: Tyke_99 Start: 46604, Stop: 50716, Start Num: 2

Candidate Starts for Tyke_99:

(Start: 2 @46604 has 170 MA's), (10, 46715), (11, 46739), (23, 47003), (24, 47009), (26, 47075), (29, 47111), (31, 47192), (33, 47228), (34, 47240), (35, 47246), (36, 47447), (46, 47828), (52, 47981), (53, 48050), (55, 48077), (59, 48158), (61, 48200), (63, 48236), (66, 48248), (69, 48305), (73, 48338), (74, 48383), (79, 48401), (82, 48446), (88, 48494), (91, 48527), (98, 48551), (105, 48605), (109, 48632), (112, 48653), (117, 48701), (118, 48722), (123, 48848), (126, 48899), (130, 48920), (131, 48932), (133, 48974), (140, 49124), (141, 49157), (142, 49160), (144, 49211), (146, 49256), (147, 49262), (148, 49304), (153, 49367), (158, 49445), (160, 49502), (161, 49520), (163, 49553), (164, 49556), (165, 49595), (166, 49598), (167, 49679), (168, 49682), (171, 49742), (172, 49766), (174, 49817), (175, 49841), (178, 49865), (184, 50117), (186, 50174), (193, 50432), (194, 50501), (198, 50549), (205, 50636), (206, 50669), (207, 50672),

Gene: ValleyTerrace_98 Start: 44483, Stop: 48595, Start Num: 2

Candidate Starts for ValleyTerrace_98:

(Start: 2 @44483 has 170 MA's), (10, 44594), (11, 44618), (23, 44882), (24, 44888), (26, 44954), (29, 44990), (31, 45071), (33, 45107), (34, 45119), (35, 45125), (36, 45326), (46, 45707), (52, 45860), (53, 45929), (55, 45956), (59, 46037), (61, 46079), (63, 46115), (66, 46127), (69, 46184), (73, 46217), (74, 46262), (79, 46280), (82, 46325), (88, 46373), (91, 46406), (98, 46430), (105, 46484), (109, 46511), (112, 46532), (117, 46580), (118, 46601), (123, 46727), (126, 46778), (130, 46799), (131, 46811), (133, 46853), (140, 47003), (141, 47036), (142, 47039), (144, 47090), (146, 47135), (147, 47141), (148, 47183), (153, 47246), (158, 47324), (160, 47381), (161, 47399), (163, 47432), (164, 47435), (165, 47474), (166, 47477), (167, 47558), (168, 47561), (171, 47621), (172, 47645), (174, 47696),

(175, 47720), (178, 47744), (184, 47996), (186, 48053), (193, 48311), (194, 48380), (198, 48428), (205, 48515), (206, 48548), (207, 48551),

Gene: Wally_96 Start: 43611, Stop: 47723, Start Num: 2

Candidate Starts for Wally_96:

(Start: 2 @43611 has 170 MA's), (10, 43722), (11, 43746), (23, 44010), (24, 44016), (26, 44082), (29, 44118), (31, 44199), (33, 44235), (34, 44247), (35, 44253), (36, 44454), (46, 44835), (52, 44988), (53, 45057), (55, 45084), (59, 45165), (61, 45207), (63, 45243), (66, 45255), (69, 45312), (73, 45345), (74, 45390), (79, 45408), (82, 45453), (88, 45501), (91, 45534), (98, 45558), (105, 45612), (109, 45639), (112, 45660), (117, 45708), (118, 45729), (123, 45855), (126, 45906), (130, 45927), (131, 45939), (133, 45981), (140, 46131), (141, 46164), (142, 46167), (144, 46218), (146, 46263), (147, 46269), (148, 46311), (153, 46374), (158, 46452), (160, 46509), (161, 46527), (163, 46560), (164, 46563), (165, 46602), (166, 46605), (167, 46686), (168, 46689), (171, 46749), (172, 46773), (174, 46824), (175, 46848), (178, 46872), (184, 47124), (186, 47181), (193, 47439), (194, 47508), (198, 47556), (205, 47643), (206, 47676), (207, 47679),

Gene: Willis_98 Start: 44966, Stop: 49075, Start Num: 2

Candidate Starts for Willis_98:

(Start: 2 @44966 has 170 MA's), (10, 45077), (11, 45101), (23, 45365), (24, 45371), (26, 45437), (29, 45473), (31, 45554), (33, 45590), (34, 45602), (35, 45608), (36, 45809), (37, 45869), (46, 46187), (52, 46340), (53, 46409), (55, 46436), (59, 46517), (61, 46559), (63, 46595), (66, 46607), (69, 46664), (73, 46697), (74, 46742), (79, 46760), (82, 46805), (88, 46853), (91, 46886), (105, 46964), (109, 46991), (117, 47060), (118, 47081), (123, 47207), (126, 47258), (130, 47279), (131, 47291), (133, 47333), (140, 47483), (141, 47516), (142, 47519), (144, 47570), (146, 47615), (147, 47621), (148, 47663), (153, 47726), (158, 47804), (160, 47861), (161, 47879), (163, 47912), (164, 47915), (165, 47954), (166, 47957), (167, 48038), (168, 48041), (171, 48101), (172, 48125), (174, 48176), (175, 48200), (178, 48224), (184, 48476), (186, 48533), (193, 48791), (194, 48860), (198, 48908), (205, 48995), (206, 49028), (207, 49031),

Gene: Yassified_94 Start: 43787, Stop: 47647, Start Num: 2

Candidate Starts for Yassified_94:

(Start: 2 @43787 has 170 MA's), (10, 43898), (11, 43922), (23, 44186), (24, 44192), (26, 44258), (29, 44294), (31, 44375), (33, 44411), (34, 44423), (35, 44429), (48, 44750), (49, 44771), (50, 44807), (53, 44927), (59, 45041), (60, 45074), (61, 45083), (67, 45179), (68, 45197), (73, 45269), (74, 45314), (79, 45332), (82, 45377), (88, 45425), (91, 45458), (98, 45482), (105, 45536), (109, 45563), (112, 45584), (117, 45632), (118, 45653), (123, 45779), (126, 45830), (130, 45851), (131, 45863), (133, 45905), (140, 46055), (141, 46088), (142, 46091), (144, 46142), (146, 46187), (147, 46193), (148, 46235), (153, 46298), (158, 46376), (160, 46433), (161, 46451), (163, 46484), (164, 46487), (165, 46526), (166, 46529), (167, 46610), (168, 46613), (171, 46673), (172, 46697), (174, 46748), (175, 46772), (178, 46796), (184, 47048), (186, 47105), (193, 47363), (194, 47432), (198, 47480), (205, 47567), (206, 47600), (207, 47603),

Gene: YemiJoy2021_98 Start: 45068, Stop: 49177, Start Num: 2

Candidate Starts for YemiJoy2021_98:

(Start: 2 @45068 has 170 MA's), (10, 45179), (11, 45203), (23, 45467), (24, 45473), (26, 45539), (29, 45575), (31, 45656), (33, 45692), (34, 45704), (35, 45710), (36, 45911), (37, 45971), (46, 46289), (52, 46442), (53, 46511), (55, 46538), (59, 46619), (61, 46661), (63, 46697), (66, 46709), (69, 46766), (73, 46799), (74, 46844), (79, 46862), (82, 46907), (88, 46955), (91, 46988), (105, 47066), (109, 47093), (117, 47162), (118, 47183), (123, 47309), (126, 47360), (130, 47381), (131, 47393), (133, 47435), (140, 47585), (141, 47618), (142, 47621), (144, 47672), (146, 47717), (147, 47723), (148, 47765), (153, 47828), (158, 47906), (160, 47963), (161, 47981), (163, 48014), (164, 48017), (165, 48056), (166, 48059), (167, 48140), (168, 48143), (171, 48203), (172, 48227), (174, 48278), (175, 48302), (178, 48326), (184, 48578), (186, 48635), (193, 48893), (194, 48962), (198, 49010), (205, 49097),

(206, 49130), (207, 49133),

Gene: YoungMoneyMata_98 Start: 44234, Stop: 48346, Start Num: 2

Candidate Starts for YoungMoneyMata_98:

(Start: 2 @44234 has 170 MA's), (10, 44345), (11, 44369), (23, 44633), (24, 44639), (26, 44705), (29, 44741), (31, 44822), (33, 44858), (34, 44870), (35, 44876), (36, 45077), (46, 45458), (52, 45611), (53, 45680), (55, 45707), (59, 45788), (61, 45830), (63, 45866), (66, 45878), (69, 45935), (73, 45968), (74, 46013), (79, 46031), (82, 46076), (88, 46124), (91, 46157), (98, 46181), (105, 46235), (109, 46262), (112, 46283), (117, 46331), (118, 46352), (123, 46478), (126, 46529), (130, 46550), (131, 46562), (133, 46604), (140, 46754), (141, 46787), (142, 46790), (144, 46841), (146, 46886), (147, 46892), (148, 46934), (153, 46997), (158, 47075), (160, 47132), (161, 47150), (163, 47183), (164, 47186), (165, 47225), (166, 47228), (167, 47309), (168, 47312), (171, 47372), (172, 47396), (174, 47447), (175, 47471), (178, 47495), (184, 47747), (186, 47804), (193, 48062), (194, 48131), (198, 48179), (205, 48266), (206, 48299), (207, 48302),

Gene: Yucca_97 Start: 44990, Stop: 49099, Start Num: 2

Candidate Starts for Yucca_97:

(Start: 2 @44990 has 170 MA's), (10, 45101), (11, 45125), (23, 45389), (24, 45395), (26, 45461), (29, 45497), (31, 45578), (33, 45614), (34, 45626), (35, 45632), (36, 45833), (37, 45893), (46, 46211), (52, 46364), (53, 46433), (55, 46460), (59, 46541), (61, 46583), (63, 46619), (66, 46631), (69, 46688), (73, 46721), (74, 46766), (79, 46784), (82, 46829), (88, 46877), (91, 46910), (98, 46934), (105, 46988), (109, 47015), (112, 47036), (117, 47084), (118, 47105), (123, 47231), (126, 47282), (130, 47303), (131, 47315), (133, 47357), (140, 47507), (141, 47540), (142, 47543), (144, 47594), (146, 47639), (147, 47645), (148, 47687), (153, 47750), (158, 47828), (160, 47885), (161, 47903), (163, 47936), (164, 47939), (165, 47978), (166, 47981), (167, 48062), (168, 48065), (171, 48125), (172, 48149), (174, 48200), (175, 48224), (178, 48248), (184, 48500), (186, 48557), (193, 48815), (194, 48884), (198, 48932), (205, 49019), (206, 49052), (207, 49055),

Gene: Zalkecks_98 Start: 44756, Stop: 48865, Start Num: 2

Candidate Starts for Zalkecks_98:

(Start: 2 @44756 has 170 MA's), (10, 44867), (11, 44891), (23, 45155), (24, 45161), (26, 45227), (29, 45263), (31, 45344), (33, 45380), (34, 45392), (35, 45398), (36, 45599), (37, 45659), (46, 45977), (52, 46130), (53, 46199), (55, 46226), (59, 46307), (61, 46349), (63, 46385), (66, 46397), (69, 46454), (73, 46487), (74, 46532), (79, 46550), (82, 46595), (88, 46643), (91, 46676), (105, 46754), (109, 46781), (117, 46850), (118, 46871), (123, 46997), (126, 47048), (130, 47069), (131, 47081), (133, 47123), (140, 47273), (141, 47306), (142, 47309), (144, 47360), (146, 47405), (147, 47411), (148, 47453), (153, 47516), (158, 47594), (160, 47651), (161, 47669), (163, 47702), (164, 47705), (165, 47744), (166, 47747), (167, 47828), (168, 47831), (171, 47891), (172, 47915), (174, 47966), (175, 47990), (178, 48014), (184, 48266), (186, 48323), (193, 48581), (194, 48650), (198, 48698), (205, 48785), (206, 48818), (207, 48821),

Gene: Zeenon_99 Start: 44686, Stop: 48798, Start Num: 2

Candidate Starts for Zeenon_99:

(Start: 2 @44686 has 170 MA's), (10, 44797), (11, 44821), (23, 45085), (24, 45091), (26, 45157), (29, 45193), (31, 45274), (33, 45310), (34, 45322), (35, 45328), (36, 45529), (37, 45589), (46, 45910), (52, 46063), (53, 46132), (55, 46159), (59, 46240), (61, 46282), (63, 46318), (66, 46330), (69, 46387), (73, 46420), (74, 46465), (79, 46483), (82, 46528), (88, 46576), (91, 46609), (105, 46687), (109, 46714), (117, 46783), (118, 46804), (123, 46930), (126, 46981), (130, 47002), (131, 47014), (133, 47056), (140, 47206), (141, 47239), (142, 47242), (144, 47293), (146, 47338), (147, 47344), (148, 47386), (153, 47449), (158, 47527), (160, 47584), (161, 47602), (163, 47635), (164, 47638), (165, 47677), (166, 47680), (167, 47761), (168, 47764), (171, 47824), (172, 47848), (174, 47899), (175, 47923), (178, 47947), (184, 48199), (186, 48256), (193, 48514), (194, 48583), (198, 48631), (205, 48718), (206, 48751), (207, 48754),

Gene: ZygoTaiga_96 Start: 45843, Stop: 49952, Start Num: 2

Candidate Starts for ZygoTaiga_96:

(Start: 2 @45843 has 170 MA's), (10, 45954), (11, 45978), (23, 46242), (24, 46248), (26, 46314), (29, 46350), (31, 46431), (33, 46467), (34, 46479), (35, 46485), (36, 46686), (37, 46746), (46, 47064), (52, 47217), (53, 47286), (55, 47313), (59, 47394), (61, 47436), (63, 47472), (66, 47484), (69, 47541), (73, 47574), (74, 47619), (79, 47637), (82, 47682), (88, 47730), (91, 47763), (105, 47841), (109, 47868), (117, 47937), (118, 47958), (123, 48084), (126, 48135), (130, 48156), (131, 48168), (133, 48210), (140, 48360), (141, 48393), (142, 48396), (144, 48447), (146, 48492), (147, 48498), (148, 48540), (153, 48603), (158, 48681), (160, 48738), (161, 48756), (163, 48789), (164, 48792), (165, 48831), (166, 48834), (167, 48915), (168, 48918), (171, 48978), (172, 49002), (174, 49053), (175, 49077), (178, 49101), (184, 49353), (186, 49410), (193, 49668), (194, 49737), (198, 49785), (205, 49872), (206, 49905), (207, 49908),