



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 283469 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283469 has 232 members, 40 are drafts.

Phages represented in each track:

- Track 1 : Settecandela_46, Phrappuccino_46
- Track 2 : EggyFarm_98, Grasshills_97, BigCity_98
- Track 3 : Teardrop_90, Bangla1971_91, ArcherS7_89, Specks_96, Littleton_90, LolaVinca_92, Drazdys_90, Astraea_88, SmallFry_90
- Track 4 : Lethe_89, Belieber_84, JulietS_83, Bxz1_89, Shrimp_90, Ngannou_86, Iota_84, Yucca_90, Salacia_94, Yassified_86, Duckfeet_81, Lee7_88, Amataga_90, Fixie_85, Caravan_85, Pleione_93, Naija_89, Ghost_89, Ewok_91, ParkTD_91, DTDevon_91, Concombre_97, EmToTheThree_93, ValleyTerrace_90, Blackdragon_84, Kamryn_90, LRRHood_84, SilverDipper_91, Audrick_92, Babyland_90, Sauce_90, OrediggerDelux_88, Loanshark_90, Willis_91, NedWong_91, Ronan_83, Cali_85, Naval22_95, Khaleesi_89, InigoMontoya_91, LinStu_90, Tainan_95, TinyTim_90, DrPhinkDaddy_89, Dandelion_97, Bipolarisk_89, FoxtrotP1_90, Pivoine_89, Jessibeth14_89, Momo_89, Norm_91, SrishMeg2525_89, Izajani_90, Lukilu_81, Phusco_90, QBert_84, EmmaElysia_89, Delylah_93, Erdmann_91, Bonray_90, Latch_90, Tortoise16_88, Gamgam_90, Zalkecks_91, YemiJoy2021_91, Grungle_77, Megamind_89, Fongie_88, Rocha_89, Issimir_89, Dessert_88, Shelob_92, YoungMoneyMata_90, Delilah_90, Patter_90, Pupusa_95, Zeenon_92, Ava3_91, FudgeTart_90, Sprinklers_85, Daffodil_95, Halldule_83, Guwapp_89, GlutenPhree_91, Breeniome_90, Burrough_90, ZygoTaiga_89, MikeLiesIn_91, Roots515_89, Atlantean_89, Maturis_88, Koguma_86, CharlieB_85, Phlegm_92, Demodog_97, Shaqnato_82, Sebata_91, MoMoMixon_91, Gabriel_92, McGee_91
- Track 5 : Chargie21_86, Flabslab_85, Moby_81, ChaylaJr_85, ErnieJ_86, Moiqah_81, Fludd_90, BackyardAgain_87, StubbySaigey_92, Melpomini_84, DeejaClivia_79, Phox_87, Catera_88, Ablatia_88, ChickenPhender_86, Morizzled23_90, HyRo_82, Kboogie_93, Spud_90, Janiyra_92, Alice_83, Quasimodo_90, Rabinovish_87, Turret_85, JustHall_86, Blackbrain_85, Trinitium_86, Cactojaque_85, Dietrick_82, Bezza_79, Basquiat_86, Stubby_83, EasyJones_93, BobaPhatt_84, ScottMcG_87
- Track 6 : Ading_90, Rahel_89, Essence_87, Tyke_92, CindyLou_91, Substance289_87, LifeSavor_89, Chomp_89, Jaygup_90, Derek_90, ShiaLabeouf_90, Jemmno_90, Spec_85, Adlitam_90, JPickles_88, Matsumoto_89, Shnickers_90
- Track 7 : I3_96, FrayBell_96, DirtMonster_83, BananaFence_89, NuevoMundo_96, Labradorite_90, Bowman_88, IkeLoa_84, Bigswole_95, Nappy_92, Mikro_88, Domi_84, StephanieG_89, InterFolia_99, NoodleTree_98, Darko_90, Cleatunium_85, LordLeafolot_96, BadAgartude_87, RoMag_85, Jezreel_90, PharkleMinkus_95,

LookingGlass_91

- Track 8 : PurduePete_90, Bread_90, Napoleon13_86, Asterius_93, SVoro_88, Capablanca_92, McWolfish_88, Maby2021_90, Wally_89, Nidhogg_91, Rizal_88
- Track 9 : Shifa_79
- Track 10 : Lunareta_87, Montpel_87
- Track 11 : Tonenili_104, Vortrix_105
- Track 12 : Mangeria_90
- Track 13 : Primadonna_84
- Track 14 : Pier_94, BeanWater_82, Pio_94
- Track 15 : Colt_80
- Track 16 : Jedediah_93
- Track 17 : Blubba_79
- Track 18 : Pinkcreek_81
- Track 19 : JigglyPuff_96
- Track 20 : ET08_79, Gizmo_94
- Track 21 : JayJay_96
- Track 22 : Cane17_79
- Track 23 : Phabba_94
- Track 24 : Myrna_89
- Track 25 : Greely_91
- Track 26 : ScoobyDoobyDoo_84
- Track 27 : SCentae_87
- Track 28 : CherryTomatoes_88
- Track 29 : Skog_151
- Track 30 : Pupper_88
- Track 31 : Stormageddon_11, RedWattleHog_11
- Track 32 : Finch_15
- Track 33 : E3_gp72
- Track 34 : JeanGrey_27

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

The start number called the most often in the published annotations is 36, it was called in 160 of the 192 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ablatia_88, Alice_83, Amataga_90, ArcherS7_89, Asterius_93, Astraea_88, Atlantean_89, Audrick_92, Ava3_91, Babyland_90, BackyardAgain_87, BadAgartude_87, BananaFence_89, Bangla1971_91, Basquiat_86, Belieber_84, Bezza_79, BigCity_98, Bigswole_95, Bipolarisk_89, Blackbrain_85, Blackdragon_84, Blubba_79, BobaPhatt_84, Bonray_90, Bowman_88, Bread_90, Breeniome_90, Burrough_90, Bxz1_89, Cactojaque_85, Cali_85, Cane17_79, Capablanca_92, Caravan_85, Catera_88, Chargie21_86, CharlieB_85, ChaylaJr_85, ChickenPhender_86, Cleatunium_85, Colt_80, Concombre_97, DTDevon_91, Daffodil_95, Dandelion_97, Darko_90, DeejaClivia_79, Delilah_90, Delylah_93, Demodog_97, Dessert_88, Dietrick_82, DirtMonster_83, Domi_84, DrPhinkDaddy_89, Drazdys_90, Duckfeet_81, ET08_79, EasyJones_93, EggyFarm_98, EmToTheThree_93, EmmaElysia_89, Erdmann_91, ErnieJ_86, Ewok_91, Fixie_85, Flabslab_85, Fludd_90, Fongie_88, FoxtrotP1_90, FrayBell_96, FudgeTart_90, Gabriel_92, Gamgam_90, Ghost_89, Gizmo_94, GlutenPhree_91,

Grasshills_97, Grungle_77, Guwapp_89, Halldule_83, HyRo_82, I3_96, IkeLoa_84, InigoMontoya_91, InterFolia_99, Iota_84, Issimir_89, Izajani_90, Janiyra_92, Jessibeth14_89, Jezreel_90, JigglyPuff_96, JulietS_83, JustHall_86, Kamryn_90, Kboogie_93, Khaleesi_89, Koguma_86, LRRHood_84, Labradorite_90, Latch_90, Lee7_88, Lethe_89, LinStu_90, Littleton_90, Loanshark_90, LolaVinca_92, LookingGlass_91, LordLeafolot_96, Lukilu_81, Lunareta_87, Maby2021_90, Mangeria_90, Maturis_88, McGee_91, McWolfish_88, Megamind_89, Melpomini_84, MikeLiesIn_91, Mikro_88, MoMoMixon_91, Moby_81, Moiqah_81, Momo_89, Montpel_87, Morizzled23_90, Naija_89, Napoleon13_86, Nappy_92, Naval22_95, NedWong_91, Ngannou_86, Nidhogg_91, NoodleTree_98, Norm_91, NuevoMundo_96, OrediggerDelux_88, ParkTD_91, Patter_90, PharkleMinkus_95, Phlegm_92, Phox_87, Phusco_90, Pinkcreek_81, Pivoine_89, Pleione_93, Primadonna_84, Pupusa_95, PurduePete_90, QBert_84, Quasimodo_90, Rabinovish_87, Rizal_88, RoMag_85, Rocha_89, Ronan_83, Roots515_89, SVoro_88, Salacia_94, Sauce_90, ScottMcG_87, Sebata_91, Shaqnato_82, Shelob_92, Shifa_79, Shrimp_90, SilverDipper_91, SmallFry_90, Specks_96, Sprinklers_85, Spud_90, SrishMeg2525_89, StephanieG_89, StubbySaigey_92, Stubby_83, Tainan_95, Teardrop_90, TinyTim_90, Tonenili_104, Tortoise16_88, Trinitium_86, Turret_85, ValleyTerrace_90, Vortrix_105, Wally_89, Willis_91, Yassified_86, YemiJoy2021_91, YoungMoneyMata_90, Yucca_90, Zalkecks_91, Zeenon_92, ZygoTaiga_89,

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

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

- Ading_90, Adlitam_90, BeanWater_82, CherryTomatoes_88, Chomp_89, CindyLou_91, Derek_90, E3_gp72, Essence_87, Finch_15, Greely_91, JPickles_88, JayJay_96, Jaygup_90, JeanGrey_27, Jedediah_93, Jemmno_90, LifeSavor_89, Matsumoto_89, Myrna_89, Phabba_94, Phrappuccino_46, Pier_94, Pio_94, Pupper_88, Rahel_89, RedWattleHog_11, SCentae_87, ScoobyDoobyDoo_84, Settecandela_46, ShiaLabeouf_90, Shnickers_90, Skog_151, Spec_85, Stormageddon_11, Substance289_87, Tyke_92,

Summary by start number:

Start 1:

- Found in 18 of 232 (7.8%) of genes in pham
- Manual Annotations of this start: 16 of 192
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ading_90 (C1), Adlitam_90 (C1), Chomp_89 (C1), CindyLou_91 (C1), Derek_90 (C1), Essence_87 (C1), JPickles_88 (C1), Jaygup_90 (C1), Jedediah_93 (C1), Jemmno_90 (C1), LifeSavor_89 (C1), Matsumoto_89 (C1), Rahel_89 (C1), ShiaLabeouf_90 (C1), Shnickers_90 (C1), Spec_85 (C1), Substance289_87 (C1), Tyke_92 (C1),

Start 2:

- Found in 4 of 232 (1.7%) of genes in pham
- Manual Annotations of this start: 3 of 192
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BeanWater_82 (C1), Pier_94 (C1), Pio_94 (C1),

Start 3:

- Found in 19 of 232 (8.2%) of genes in pham
- Manual Annotations of this start: 1 of 192
- Called 5.3% of time when present
- Phage (with cluster) where this start called: ScoobyDoobyDoo_84 (C2),

Start 7:

- Found in 4 of 232 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 192
- Called 25.0% of time when present
- Phage (with cluster) where this start called: JayJay_96 (C1),

Start 36:

- Found in 195 of 232 (84.1%) of genes in pham
- Manual Annotations of this start: 160 of 192
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ablatia_88 (C1), Alice_83 (C1), Amataga_90 (C1), ArcherS7_89 (C1), Asterius_93 (C1), Astraea_88 (C1), Atlantean_89 (C1), Audrick_92 (C1), Ava3_91 (C1), Babyland_90 (C1), BackyardAgain_87 (C1), BadAgartude_87 (C1), BananaFence_89 (C1), Bangla1971_91 (C1), Basquiat_86 (C1), Belieber_84 (C1), Bezza_79 (C1), BigCity_98 (C1), Bigswole_95 (C1), Bipolarisk_89 (C1), Blackbrain_85 (C1), Blackdragon_84 (C1), Blubba_79 (C1), BobaPhatt_84 (C1), Bonray_90 (C1), Bowman_88 (C1), Bread_90 (C1), Breeniome_90 (C1), Burrough_90 (C1), Bxz1_89 (C1), Cactojaque_85 (C1), Cali_85 (C1), Cane17_79 (C1), Capablanca_92 (C1), Caravan_85 (C1), Catera_88 (C1), Chargie21_86 (C1), CharlieB_85 (C1), ChaylaJr_85 (C1), ChickenPhender_86 (C1), Cleatunium_85 (C1), Colt_80 (C1), Concombre_97 (C1), DTDevon_91 (C1), Daffodil_95 (C1), Dandelion_97 (C1), Darko_90 (C1), DeejaClivia_79 (C1), Delilah_90 (C1), Delylah_93 (C1), Demodog_97 (C1), Dessert_88 (C1), Dietrick_82 (C1), DirtMonster_83 (C1), Domi_84 (C1), DrPhinkDaddy_89 (C1), Drazdys_90 (C1), Duckfeet_81 (C1), ET08_79 (C1), EasyJones_93 (C1), EggyFarm_98 (C1), EmToTheThree_93 (C1), EmmaElysia_89 (C1), Erdmann_91 (C1), ErnieJ_86 (C1), Ewok_91 (C1), Fixie_85 (C1), Flabslab_85 (C1), Fludd_90 (C1), Fongie_88 (C1), FoxtrotP1_90 (C1), FrayBell_96 (C1), FudgeTart_90 (C1), Gabriel_92 (C1), Gamgam_90 (C1), Ghost_89 (C1), Gizmo_94 (C1), GlutenPhree_91 (C1), Grasshills_97 (C1), Grungle_77 (C1), Guwapp_89 (C1), Haldule_83 (C1), HyRo_82 (C1), I3_96 (C1), IkeLoa_84 (C1), InigoMontoya_91 (C1), InterFolia_99 (C1), Iota_84 (C1), Issimir_89 (C1), Izajani_90 (C1), Janiyra_92 (C1), Jessibeth14_89 (C1), Jezreel_90 (C1), JigglyPuff_96 (C1), JulietS_83 (C1), JustHall_86 (C1), Kamryn_90 (C1), Kboogie_93 (C1), Khaleesi_89 (C1), Koguma_86 (C1), LRRHood_84 (C1), Labradorite_90 (C1), Latch_90 (C1), Lee7_88 (C1), Lethe_89 (C1), LinStu_90 (C1), Littleton_90 (C1), Loanshark_90 (C1), LolaVinca_92 (C1), LookingGlass_91 (C1), LordLeafolot_96 (C1), Lukilu_81 (C1), Lunareta_87 (C1), Maby2021_90 (C1), Mangeria_90 (C1), Maturis_88 (C1), McGee_91 (C1), McWolfish_88 (C1), Megamind_89 (C1), Melpomini_84 (C1), MikeLiesIn_91 (C1), Mikro_88 (C1), MoMoMixon_91 (C1), Moby_81 (C1), Moiqah_81 (C1), Momo_89 (C1), Montpel_87 (C1), Morizzled23_90 (C1), Naija_89 (C1), Napoleon13_86 (C1), Nappy_92 (C1), Naval22_95 (C1), NedWong_91 (C1), Ngannou_86 (C1), Nidhogg_91 (C1), NoodleTree_98 (C1), Norm_91 (C1), NuevoMundo_96 (C1), OrediggerDelux_88 (C1), ParkTD_91 (C1), Patter_90 (C1), PharkleMinkus_95 (C1), Phlegm_92 (C1), Phox_87 (C1), Phusco_90 (C1), Pinkcreek_81 (C1), Pivoine_89 (C1), Pleione_93 (C1), Primadonna_84 (C1), Pupusa_95 (C1), PurduePete_90 (C1), QBert_84 (C1), Quasimodo_90 (C1), Rabinovish_87 (C1), Rizal_88 (C1), RoMag_85

(C1), Rocha_89 (C1), Ronan_83 (C1), Roots515_89 (C1), SVoro_88 (C1), Salacia_94 (C1), Sauce_90 (C1), ScottMcG_87 (C1), Sebata_91 (C1), Shaqnato_82 (C1), Shelob_92 (C1), Shifa_79 (C1), Shrimp_90 (C1), SilverDipper_91 (C1), SmallFry_90 (C1), Specks_96 (C1), Sprinklers_85 (C1), Spud_90 (C1), SrishMeg2525_89 (C1), StephanieG_89 (C1), StubbySaigey_92 (C1), Stubby_83 (C1), Tainan_95 (C1), Teardrop_90 (C1), TinyTim_90 (C1), Tonenili_104 (C1), Tortoise16_88 (C1), Trinitium_86 (C1), Turret_85 (C1), ValleyTerrace_90 (C1), Vortrix_105 (C1), Wally_89 (C1), Willis_91 (C1), Yassified_86 (C1), YemiJoy2021_91 (C1), YoungMoneyMata_90 (C1), Yucca_90 (C1), Zalkecks_91 (C1), Zeenon_92 (C1), ZygoTaiga_89 (C1),

Start 39:

- Found in 2 of 232 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 192
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrappuccino_46 (AA), Settecandela_46 (AA),

Start 41:

- Found in 4 of 232 (1.7%) of genes in pham
- Manual Annotations of this start: 3 of 192
- Called 75.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_88 (DO), SCentae_87 (DO), Skog_151 (DO),

Start 42:

- Found in 4 of 232 (1.7%) of genes in pham
- Manual Annotations of this start: 3 of 192
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp72 (singleton), Finch_15 (singleton), RedWattleHog_11 (DX), Stormageddon_11 (DX),

Start 43:

- Found in 7 of 232 (3.0%) of genes in pham
- Manual Annotations of this start: 3 of 192
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Greely_91 (C2), Myrna_89 (C2), Phabba_94 (C2), Pupper_88 (DO),

Start 50:

- Found in 5 of 232 (2.2%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: JeanGrey_27 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster AA:

- Start number 39 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:

- Start number 1 was manually annotated 16 times for cluster C1.
- Start number 2 was manually annotated 3 times for cluster C1.
- Start number 7 was manually annotated 1 time for cluster C1.
- Start number 36 was manually annotated 160 times for cluster C1.

Info for manual annotations of cluster C2:

- Start number 3 was manually annotated 1 time for cluster C2.
- Start number 43 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster DO:

- Start number 41 was manually annotated 3 times for cluster DO.
- Start number 43 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DX:

- Start number 42 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Ablatia_88 Start: 34739, Stop: 37342, Start Num: 36

Candidate Starts for Ablatia_88:

(Start: 36 @34739 has 160 MA's), (47, 34808), (48, 34814), (49, 34832), (56, 34868), (83, 34976), (86, 34988), (103, 35153), (104, 35159), (114, 35354), (117, 35375), (119, 35396), (120, 35405), (126, 35462), (128, 35504), (130, 35558), (131, 35603), (139, 35672), (141, 35708), (143, 35735), (145, 35762), (149, 35822), (152, 35855), (153, 35858), (156, 35879), (158, 35906), (162, 35978), (166, 36047), (171, 36098), (223, 36308), (224, 36314), (225, 36320), (228, 36353), (229, 36395), (231, 36407), (233, 36425), (257, 36599), (259, 36608), (260, 36611), (261, 36614), (263, 36626), (266, 36638), (267, 36641), (272, 36656), (289, 36722), (293, 36737), (308, 36881), (310, 36893), (327, 37073), (331, 37091), (343, 37172), (347, 37208), (351, 37229), (354, 37295),

Gene: Ading_90 Start: 35182, Stop: 38610, Start Num: 1

Candidate Starts for Ading_90:

(Start: 1 @35182 has 16 MA's), (Start: 3 @35251 has 1 MA's), (4, 35257), (5, 35275), (9, 35311), (15, 35419), (16, 35431), (20, 35554), (22, 35605), (24, 35659), (25, 35671), (26, 35692), (37, 35986), (44, 36031), (58, 36109), (67, 36145), (75, 36178), (79, 36193), (88, 36238), (90, 36247), (94, 36280), (97, 36316), (103, 36400), (104, 36406), (114, 36601), (117, 36622), (119, 36643), (120, 36652), (126, 36709), (128, 36751), (130, 36805), (131, 36850), (139, 36919), (141, 36955), (143, 36982), (145, 37009), (149, 37069), (152, 37102), (153, 37105), (157, 37135), (158, 37153), (166, 37294), (171, 37345), (223, 37555), (224, 37561), (228, 37600), (229, 37642), (231, 37654), (233, 37672), (257, 37846), (259, 37855), (260, 37858), (261, 37861), (263, 37873), (266, 37885), (267, 37888), (272, 37903), (289, 37990), (293, 38005), (308, 38149), (310, 38161), (327, 38341), (331, 38359), (343, 38440), (347, 38476), (351, 38497), (354, 38563),

Gene: Adlitam_90 Start: 35199, Stop: 38627, Start Num: 1

Candidate Starts for Adlitam_90:

(Start: 1 @35199 has 16 MA's), (Start: 3 @35268 has 1 MA's), (4, 35274), (5, 35292), (9, 35328), (15, 35436), (16, 35448), (20, 35571), (22, 35622), (24, 35676), (25, 35688), (26, 35709), (37, 36003), (44, 36048), (58, 36126), (67, 36162), (75, 36195), (79, 36210), (88, 36255), (90, 36264), (94, 36297), (97, 36333), (103, 36417), (104, 36423), (114, 36618), (117, 36639), (119, 36660), (120, 36669), (126, 36726), (128, 36768), (130, 36822), (131, 36867), (139, 36936), (141, 36972), (143, 36999), (145, 37026), (149, 37086), (152, 37119), (153, 37122), (157, 37152), (158, 37170), (166, 37311), (171, 37362), (223, 37572), (224, 37578), (228, 37617), (229, 37659), (231, 37671), (233, 37689), (257,

37863), (259, 37872), (260, 37875), (261, 37878), (263, 37890), (266, 37902), (267, 37905), (272, 37920), (289, 38007), (293, 38022), (308, 38166), (310, 38178), (327, 38358), (331, 38376), (343, 38457), (347, 38493), (351, 38514), (354, 38580),

Gene: Alice_83 Start: 33887, Stop: 36490, Start Num: 36

Candidate Starts for Alice_83:

(Start: 36 @33887 has 160 MA's), (47, 33956), (48, 33962), (49, 33980), (56, 34016), (83, 34124), (86, 34136), (103, 34301), (104, 34307), (114, 34502), (117, 34523), (119, 34544), (120, 34553), (126, 34610), (128, 34652), (130, 34706), (131, 34751), (139, 34820), (141, 34856), (143, 34883), (145, 34910), (149, 34970), (152, 35003), (153, 35006), (156, 35027), (158, 35054), (162, 35126), (166, 35195), (171, 35246), (223, 35456), (224, 35462), (225, 35468), (228, 35501), (229, 35543), (231, 35555), (233, 35573), (257, 35747), (259, 35756), (260, 35759), (261, 35762), (263, 35774), (266, 35786), (267, 35789), (272, 35804), (289, 35870), (293, 35885), (308, 36029), (310, 36041), (327, 36221), (331, 36239), (343, 36320), (347, 36356), (351, 36377), (354, 36443),

Gene: Amataga_90 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Amataga_90:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: ArcherS7_89 Start: 35566, Stop: 38190, Start Num: 36

Candidate Starts for ArcherS7_89:

(Start: 36 @35566 has 160 MA's), (47, 35635), (48, 35641), (49, 35659), (56, 35695), (83, 35803), (86, 35815), (103, 35980), (104, 35986), (114, 36181), (117, 36202), (119, 36223), (120, 36232), (126, 36289), (128, 36331), (130, 36385), (131, 36430), (139, 36499), (141, 36535), (143, 36562), (145, 36589), (149, 36649), (150, 36661), (152, 36682), (153, 36685), (157, 36715), (158, 36733), (166, 36874), (171, 36925), (223, 37135), (224, 37141), (228, 37180), (229, 37222), (231, 37234), (233, 37252), (257, 37426), (259, 37435), (260, 37438), (261, 37441), (263, 37453), (266, 37465), (267, 37468), (272, 37483), (289, 37570), (293, 37585), (308, 37729), (310, 37741), (327, 37921), (331, 37939), (343, 38020), (347, 38056), (351, 38077), (354, 38143),

Gene: Asterius_93 Start: 35551, Stop: 38175, Start Num: 36

Candidate Starts for Asterius_93:

(Start: 36 @35551 has 160 MA's), (47, 35620), (48, 35626), (49, 35644), (56, 35680), (83, 35788), (86, 35800), (103, 35965), (104, 35971), (114, 36166), (117, 36187), (119, 36208), (120, 36217), (126, 36274), (128, 36316), (130, 36370), (131, 36415), (139, 36484), (141, 36520), (143, 36547), (145, 36574), (149, 36634), (152, 36667), (153, 36670), (156, 36691), (158, 36718), (162, 36790), (166, 36859), (171, 36910), (223, 37120), (224, 37126), (228, 37165), (229, 37207), (231, 37219), (233, 37237), (257, 37411), (259, 37420), (260, 37423), (261, 37426), (263, 37438), (266, 37450), (267, 37453), (272, 37468), (289, 37555), (293, 37570), (308, 37714), (310, 37726), (327, 37906), (331, 37924), (343, 38005), (347, 38041), (351, 38062), (354, 38128),

Gene: Astraea_88 Start: 35427, Stop: 38051, Start Num: 36

Candidate Starts for Astraea_88:

(Start: 36 @35427 has 160 MA's), (47, 35496), (48, 35502), (49, 35520), (56, 35556), (83, 35664), (86, 35676), (103, 35841), (104, 35847), (114, 36042), (117, 36063), (119, 36084), (120, 36093), (126, 36150), (128, 36192), (130, 36246), (131, 36291), (139, 36360), (141, 36396), (143, 36423), (145,

36450), (149, 36510), (150, 36522), (152, 36543), (153, 36546), (157, 36576), (158, 36594), (166, 36735), (171, 36786), (223, 36996), (224, 37002), (228, 37041), (229, 37083), (231, 37095), (233, 37113), (257, 37287), (259, 37296), (260, 37299), (261, 37302), (263, 37314), (266, 37326), (267, 37329), (272, 37344), (289, 37431), (293, 37446), (308, 37590), (310, 37602), (327, 37782), (331, 37800), (343, 37881), (347, 37917), (351, 37938), (354, 38004),

Gene: Atlantean_89 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Atlantean_89:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Audrick_92 Start: 35227, Stop: 37851, Start Num: 36

Candidate Starts for Audrick_92:

(Start: 36 @35227 has 160 MA's), (47, 35296), (48, 35302), (49, 35320), (56, 35356), (83, 35464), (86, 35476), (103, 35641), (104, 35647), (114, 35842), (117, 35863), (119, 35884), (120, 35893), (126, 35950), (128, 35992), (130, 36046), (131, 36091), (139, 36160), (141, 36196), (143, 36223), (145, 36250), (149, 36310), (152, 36343), (153, 36346), (157, 36376), (158, 36394), (166, 36535), (171, 36586), (223, 36796), (224, 36802), (228, 36841), (229, 36883), (231, 36895), (233, 36913), (257, 37087), (259, 37096), (260, 37099), (261, 37102), (263, 37114), (266, 37126), (267, 37129), (272, 37144), (289, 37231), (293, 37246), (308, 37390), (310, 37402), (327, 37582), (331, 37600), (343, 37681), (347, 37717), (351, 37738), (354, 37804),

Gene: Ava3_91 Start: 35924, Stop: 38548, Start Num: 36

Candidate Starts for Ava3_91:

(Start: 36 @35924 has 160 MA's), (47, 35993), (48, 35999), (49, 36017), (56, 36053), (83, 36161), (86, 36173), (103, 36338), (104, 36344), (114, 36539), (117, 36560), (119, 36581), (120, 36590), (126, 36647), (128, 36689), (130, 36743), (131, 36788), (139, 36857), (141, 36893), (143, 36920), (145, 36947), (149, 37007), (152, 37040), (153, 37043), (157, 37073), (158, 37091), (166, 37232), (171, 37283), (223, 37493), (224, 37499), (228, 37538), (229, 37580), (231, 37592), (233, 37610), (257, 37784), (259, 37793), (260, 37796), (261, 37799), (263, 37811), (266, 37823), (267, 37826), (272, 37841), (289, 37928), (293, 37943), (308, 38087), (310, 38099), (327, 38279), (331, 38297), (343, 38378), (347, 38414), (351, 38435), (354, 38501),

Gene: Babyland_90 Start: 34687, Stop: 37311, Start Num: 36

Candidate Starts for Babyland_90:

(Start: 36 @34687 has 160 MA's), (47, 34756), (48, 34762), (49, 34780), (56, 34816), (83, 34924), (86, 34936), (103, 35101), (104, 35107), (114, 35302), (117, 35323), (119, 35344), (120, 35353), (126, 35410), (128, 35452), (130, 35506), (131, 35551), (139, 35620), (141, 35656), (143, 35683), (145, 35710), (149, 35770), (152, 35803), (153, 35806), (157, 35836), (158, 35854), (166, 35995), (171, 36046), (223, 36256), (224, 36262), (228, 36301), (229, 36343), (231, 36355), (233, 36373), (257, 36547), (259, 36556), (260, 36559), (261, 36562), (263, 36574), (266, 36586), (267, 36589), (272, 36604), (289, 36691), (293, 36706), (308, 36850), (310, 36862), (327, 37042), (331, 37060), (343, 37141), (347, 37177), (351, 37198), (354, 37264),

Gene: BackyardAgain_87 Start: 34766, Stop: 37369, Start Num: 36

Candidate Starts for BackyardAgain_87:

(Start: 36 @34766 has 160 MA's), (47, 34835), (48, 34841), (49, 34859), (56, 34895), (83, 35003), (86, 35015), (103, 35180), (104, 35186), (114, 35381), (117, 35402), (119, 35423), (120, 35432), (126, 35489), (128, 35531), (130, 35585), (131, 35630), (139, 35699), (141, 35735), (143, 35762), (145, 35789), (149, 35849), (152, 35882), (153, 35885), (156, 35906), (158, 35933), (162, 36005), (166, 36074), (171, 36125), (223, 36335), (224, 36341), (225, 36347), (228, 36380), (229, 36422), (231, 36434), (233, 36452), (257, 36626), (259, 36635), (260, 36638), (261, 36641), (263, 36653), (266, 36665), (267, 36668), (272, 36683), (289, 36749), (293, 36764), (308, 36908), (310, 36920), (327, 37100), (331, 37118), (343, 37199), (347, 37235), (351, 37256), (354, 37322),

Gene: BadAgartude_87 Start: 36307, Stop: 38931, Start Num: 36

Candidate Starts for BadAgartude_87:

(Start: 36 @36307 has 160 MA's), (47, 36376), (48, 36382), (49, 36400), (56, 36436), (83, 36544), (86, 36556), (103, 36721), (104, 36727), (114, 36922), (117, 36943), (119, 36964), (120, 36973), (126, 37030), (128, 37072), (130, 37126), (131, 37171), (139, 37240), (141, 37276), (143, 37303), (145, 37330), (149, 37390), (152, 37423), (153, 37426), (157, 37456), (158, 37474), (166, 37615), (171, 37666), (223, 37876), (224, 37882), (225, 37888), (228, 37921), (229, 37963), (231, 37975), (233, 37993), (257, 38167), (259, 38176), (260, 38179), (261, 38182), (263, 38194), (266, 38206), (267, 38209), (272, 38224), (289, 38311), (293, 38326), (308, 38470), (310, 38482), (327, 38662), (331, 38680), (343, 38761), (347, 38797), (351, 38818), (354, 38884),

Gene: BananaFence_89 Start: 35789, Stop: 38413, Start Num: 36

Candidate Starts for BananaFence_89:

(Start: 36 @35789 has 160 MA's), (47, 35858), (48, 35864), (49, 35882), (56, 35918), (83, 36026), (86, 36038), (103, 36203), (104, 36209), (114, 36404), (117, 36425), (119, 36446), (120, 36455), (126, 36512), (128, 36554), (130, 36608), (131, 36653), (139, 36722), (141, 36758), (143, 36785), (145, 36812), (149, 36872), (152, 36905), (153, 36908), (157, 36938), (158, 36956), (166, 37097), (171, 37148), (223, 37358), (224, 37364), (225, 37370), (228, 37403), (229, 37445), (231, 37457), (233, 37475), (257, 37649), (259, 37658), (260, 37661), (261, 37664), (263, 37676), (266, 37688), (267, 37691), (272, 37706), (289, 37793), (293, 37808), (308, 37952), (310, 37964), (327, 38144), (331, 38162), (343, 38243), (347, 38279), (351, 38300), (354, 38366),

Gene: Bangla1971_91 Start: 35696, Stop: 38320, Start Num: 36

Candidate Starts for Bangla1971_91:

(Start: 36 @35696 has 160 MA's), (47, 35765), (48, 35771), (49, 35789), (56, 35825), (83, 35933), (86, 35945), (103, 36110), (104, 36116), (114, 36311), (117, 36332), (119, 36353), (120, 36362), (126, 36419), (128, 36461), (130, 36515), (131, 36560), (139, 36629), (141, 36665), (143, 36692), (145, 36719), (149, 36779), (150, 36791), (152, 36812), (153, 36815), (157, 36845), (158, 36863), (166, 37004), (171, 37055), (223, 37265), (224, 37271), (228, 37310), (229, 37352), (231, 37364), (233, 37382), (257, 37556), (259, 37565), (260, 37568), (261, 37571), (263, 37583), (266, 37595), (267, 37598), (272, 37613), (289, 37700), (293, 37715), (308, 37859), (310, 37871), (327, 38051), (331, 38069), (343, 38150), (347, 38186), (351, 38207), (354, 38273),

Gene: Basquiat_86 Start: 34263, Stop: 36866, Start Num: 36

Candidate Starts for Basquiat_86:

(Start: 36 @34263 has 160 MA's), (47, 34332), (48, 34338), (49, 34356), (56, 34392), (83, 34500), (86, 34512), (103, 34677), (104, 34683), (114, 34878), (117, 34899), (119, 34920), (120, 34929), (126, 34986), (128, 35028), (130, 35082), (131, 35127), (139, 35196), (141, 35232), (143, 35259), (145, 35286), (149, 35346), (152, 35379), (153, 35382), (156, 35403), (158, 35430), (162, 35502), (166, 35571), (171, 35622), (223, 35832), (224, 35838), (225, 35844), (228, 35877), (229, 35919), (231, 35931), (233, 35949), (257, 36123), (259, 36132), (260, 36135), (261, 36138), (263, 36150), (266, 36162), (267, 36165), (272, 36180), (289, 36246), (293, 36261), (308, 36405), (310, 36417), (327, 36597), (331, 36615), (343, 36696), (347, 36732), (351, 36753), (354, 36819),

Gene: BeanWater_82 Start: 34836, Stop: 38264, Start Num: 2

Candidate Starts for BeanWater_82:

(Start: 2 @34836 has 3 MA's), (Start: 7 @34905 has 1 MA's), (8, 34911), (10, 34929), (12, 34965), (17, 35073), (19, 35085), (21, 35208), (23, 35259), (27, 35313), (28, 35325), (29, 35346), (44, 35640), (50, 35685), (61, 35763), (69, 35799), (75, 35832), (79, 35847), (88, 35892), (90, 35901), (94, 35934), (97, 35970), (103, 36054), (104, 36060), (114, 36255), (117, 36276), (119, 36297), (120, 36306), (126, 36363), (128, 36405), (130, 36459), (131, 36504), (139, 36573), (141, 36609), (143, 36636), (145, 36663), (149, 36723), (152, 36756), (153, 36759), (157, 36789), (158, 36807), (166, 36948), (171, 36999), (223, 37209), (224, 37215), (228, 37254), (229, 37296), (231, 37308), (233, 37326), (257, 37500), (259, 37509), (260, 37512), (261, 37515), (263, 37527), (266, 37539), (267, 37542), (272, 37557), (289, 37644), (293, 37659), (308, 37803), (310, 37815), (327, 37995), (331, 38013), (343, 38094), (347, 38130), (351, 38151), (354, 38217),

Gene: Belieber_84 Start: 34600, Stop: 37224, Start Num: 36

Candidate Starts for Belieber_84:

(Start: 36 @34600 has 160 MA's), (47, 34669), (48, 34675), (49, 34693), (56, 34729), (83, 34837), (86, 34849), (103, 35014), (104, 35020), (114, 35215), (117, 35236), (119, 35257), (120, 35266), (126, 35323), (128, 35365), (130, 35419), (131, 35464), (139, 35533), (141, 35569), (143, 35596), (145, 35623), (149, 35683), (152, 35716), (153, 35719), (157, 35749), (158, 35767), (166, 35908), (171, 35959), (223, 36169), (224, 36175), (228, 36214), (229, 36256), (231, 36268), (233, 36286), (257, 36460), (259, 36469), (260, 36472), (261, 36475), (263, 36487), (266, 36499), (267, 36502), (272, 36517), (289, 36604), (293, 36619), (308, 36763), (310, 36775), (327, 36955), (331, 36973), (343, 37054), (347, 37090), (351, 37111), (354, 37177),

Gene: Bezza_79 Start: 34578, Stop: 37181, Start Num: 36

Candidate Starts for Bezza_79:

(Start: 36 @34578 has 160 MA's), (47, 34647), (48, 34653), (49, 34671), (56, 34707), (83, 34815), (86, 34827), (103, 34992), (104, 34998), (114, 35193), (117, 35214), (119, 35235), (120, 35244), (126, 35301), (128, 35343), (130, 35397), (131, 35442), (139, 35511), (141, 35547), (143, 35574), (145, 35601), (149, 35661), (152, 35694), (153, 35697), (156, 35718), (158, 35745), (162, 35817), (166, 35886), (171, 35937), (223, 36147), (224, 36153), (225, 36159), (228, 36192), (229, 36234), (231, 36246), (233, 36264), (257, 36438), (259, 36447), (260, 36450), (261, 36453), (263, 36465), (266, 36477), (267, 36480), (272, 36495), (289, 36561), (293, 36576), (308, 36720), (310, 36732), (327, 36912), (331, 36930), (343, 37011), (347, 37047), (351, 37068), (354, 37134),

Gene: BigCity_98 Start: 38300, Stop: 40924, Start Num: 36

Candidate Starts for BigCity_98:

(Start: 36 @38300 has 160 MA's), (47, 38369), (48, 38375), (49, 38393), (56, 38429), (83, 38537), (86, 38549), (104, 38720), (114, 38915), (117, 38936), (119, 38957), (120, 38966), (126, 39023), (128, 39065), (130, 39119), (131, 39164), (139, 39233), (141, 39269), (143, 39296), (145, 39323), (149, 39383), (152, 39416), (153, 39419), (157, 39449), (158, 39467), (166, 39608), (171, 39659), (223, 39869), (224, 39875), (225, 39881), (228, 39914), (229, 39956), (231, 39968), (233, 39986), (257, 40160), (259, 40169), (260, 40172), (261, 40175), (263, 40187), (266, 40199), (267, 40202), (272, 40217), (289, 40304), (293, 40319), (308, 40463), (310, 40475), (327, 40655), (331, 40673), (343, 40754), (347, 40790), (351, 40811), (354, 40877),

Gene: Bigswole_95 Start: 38669, Stop: 41272, Start Num: 36

Candidate Starts for Bigswole_95:

(Start: 36 @38669 has 160 MA's), (47, 38738), (48, 38744), (49, 38762), (56, 38798), (83, 38906), (86, 38918), (103, 39083), (104, 39089), (114, 39284), (117, 39305), (119, 39326), (120, 39335), (126, 39392), (128, 39434), (130, 39488), (131, 39533), (139, 39602), (141, 39638), (143, 39665), (145, 39692), (149, 39752), (152, 39785), (153, 39788), (157, 39818), (158, 39836), (166, 39977), (171, 40028), (223, 40238), (224, 40244), (225, 40250), (228, 40283), (229, 40325), (231, 40337), (233,

40355), (257, 40529), (259, 40538), (260, 40541), (261, 40544), (263, 40556), (266, 40568), (267, 40571), (272, 40586), (289, 40652), (293, 40667), (308, 40811), (310, 40823), (327, 41003), (331, 41021), (343, 41102), (347, 41138), (351, 41159), (354, 41225),

Gene: Bipolarisk_89 Start: 35954, Stop: 38578, Start Num: 36

Candidate Starts for Bipolarisk_89:

(Start: 36 @35954 has 160 MA's), (47, 36023), (48, 36029), (49, 36047), (56, 36083), (83, 36191), (86, 36203), (103, 36368), (104, 36374), (114, 36569), (117, 36590), (119, 36611), (120, 36620), (126, 36677), (128, 36719), (130, 36773), (131, 36818), (139, 36887), (141, 36923), (143, 36950), (145, 36977), (149, 37037), (152, 37070), (153, 37073), (157, 37103), (158, 37121), (166, 37262), (171, 37313), (223, 37523), (224, 37529), (228, 37568), (229, 37610), (231, 37622), (233, 37640), (257, 37814), (259, 37823), (260, 37826), (261, 37829), (263, 37841), (266, 37853), (267, 37856), (272, 37871), (289, 37958), (293, 37973), (308, 38117), (310, 38129), (327, 38309), (331, 38327), (343, 38408), (347, 38444), (351, 38465), (354, 38531),

Gene: Blackbrain_85 Start: 34080, Stop: 36683, Start Num: 36

Candidate Starts for Blackbrain_85:

(Start: 36 @34080 has 160 MA's), (47, 34149), (48, 34155), (49, 34173), (56, 34209), (83, 34317), (86, 34329), (103, 34494), (104, 34500), (114, 34695), (117, 34716), (119, 34737), (120, 34746), (126, 34803), (128, 34845), (130, 34899), (131, 34944), (139, 35013), (141, 35049), (143, 35076), (145, 35103), (149, 35163), (152, 35196), (153, 35199), (156, 35220), (158, 35247), (162, 35319), (166, 35388), (171, 35439), (223, 35649), (224, 35655), (225, 35661), (228, 35694), (229, 35736), (231, 35748), (233, 35766), (257, 35940), (259, 35949), (260, 35952), (261, 35955), (263, 35967), (266, 35979), (267, 35982), (272, 35997), (289, 36063), (293, 36078), (308, 36222), (310, 36234), (327, 36414), (331, 36432), (343, 36513), (347, 36549), (351, 36570), (354, 36636),

Gene: Blackdragon_84 Start: 34772, Stop: 37396, Start Num: 36

Candidate Starts for Blackdragon_84:

(Start: 36 @34772 has 160 MA's), (47, 34841), (48, 34847), (49, 34865), (56, 34901), (83, 35009), (86, 35021), (103, 35186), (104, 35192), (114, 35387), (117, 35408), (119, 35429), (120, 35438), (126, 35495), (128, 35537), (130, 35591), (131, 35636), (139, 35705), (141, 35741), (143, 35768), (145, 35795), (149, 35855), (152, 35888), (153, 35891), (157, 35921), (158, 35939), (166, 36080), (171, 36131), (223, 36341), (224, 36347), (228, 36386), (229, 36428), (231, 36440), (233, 36458), (257, 36632), (259, 36641), (260, 36644), (261, 36647), (263, 36659), (266, 36671), (267, 36674), (272, 36689), (289, 36776), (293, 36791), (308, 36935), (310, 36947), (327, 37127), (331, 37145), (343, 37226), (347, 37262), (351, 37283), (354, 37349),

Gene: Blubba_79 Start: 32769, Stop: 36464, Start Num: 36

Candidate Starts for Blubba_79:

(Start: 36 @32769 has 160 MA's), (47, 32838), (48, 32844), (49, 32862), (56, 32898), (83, 33006), (86, 33018), (103, 33183), (104, 33189), (114, 33384), (117, 33405), (119, 33426), (120, 33435), (126, 33492), (128, 33534), (130, 33588), (131, 33633), (139, 33702), (141, 33738), (143, 33765), (145, 33792), (149, 33852), (152, 33885), (153, 33888), (157, 33918), (158, 33936), (166, 34077), (171, 34128), (184, 34284), (190, 34437), (191, 34461), (192, 34506), (193, 34560), (194, 34596), (196, 34650), (198, 34677), (199, 34710), (201, 34755), (203, 34842), (204, 34872), (205, 34881), (206, 34884), (209, 35013), (210, 35046), (211, 35091), (213, 35109), (214, 35139), (216, 35196), (217, 35238), (220, 35262), (221, 35340), (223, 35409), (224, 35415), (228, 35454), (229, 35496), (231, 35508), (233, 35526), (257, 35700), (259, 35709), (260, 35712), (261, 35715), (263, 35727), (266, 35739), (267, 35742), (272, 35757), (289, 35844), (293, 35859), (308, 36003), (310, 36015), (327, 36195), (331, 36213), (343, 36294), (347, 36330), (351, 36351), (354, 36417),

Gene: BobaPhatt_84 Start: 33902, Stop: 36505, Start Num: 36

Candidate Starts for BobaPhatt_84:

(Start: 36 @33902 has 160 MA's), (47, 33971), (48, 33977), (49, 33995), (56, 34031), (83, 34139), (86, 34151), (103, 34316), (104, 34322), (114, 34517), (117, 34538), (119, 34559), (120, 34568), (126, 34625), (128, 34667), (130, 34721), (131, 34766), (139, 34835), (141, 34871), (143, 34898), (145, 34925), (149, 34985), (152, 35018), (153, 35021), (156, 35042), (158, 35069), (162, 35141), (166, 35210), (171, 35261), (223, 35471), (224, 35477), (225, 35483), (228, 35516), (229, 35558), (231, 35570), (233, 35588), (257, 35762), (259, 35771), (260, 35774), (261, 35777), (263, 35789), (266, 35801), (267, 35804), (272, 35819), (289, 35885), (293, 35900), (308, 36044), (310, 36056), (327, 36236), (331, 36254), (343, 36335), (347, 36371), (351, 36392), (354, 36458),

Gene: Bonray_90 Start: 36351, Stop: 38975, Start Num: 36

Candidate Starts for Bonray_90:

(Start: 36 @36351 has 160 MA's), (47, 36420), (48, 36426), (49, 36444), (56, 36480), (83, 36588), (86, 36600), (103, 36765), (104, 36771), (114, 36966), (117, 36987), (119, 37008), (120, 37017), (126, 37074), (128, 37116), (130, 37170), (131, 37215), (139, 37284), (141, 37320), (143, 37347), (145, 37374), (149, 37434), (152, 37467), (153, 37470), (157, 37500), (158, 37518), (166, 37659), (171, 37710), (223, 37920), (224, 37926), (228, 37965), (229, 38007), (231, 38019), (233, 38037), (257, 38211), (259, 38220), (260, 38223), (261, 38226), (263, 38238), (266, 38250), (267, 38253), (272, 38268), (289, 38355), (293, 38370), (308, 38514), (310, 38526), (327, 38706), (331, 38724), (343, 38805), (347, 38841), (351, 38862), (354, 38928),

Gene: Bowman_88 Start: 36542, Stop: 39166, Start Num: 36

Candidate Starts for Bowman_88:

(Start: 36 @36542 has 160 MA's), (47, 36611), (48, 36617), (49, 36635), (56, 36671), (83, 36779), (86, 36791), (103, 36956), (104, 36962), (114, 37157), (117, 37178), (119, 37199), (120, 37208), (126, 37265), (128, 37307), (130, 37361), (131, 37406), (139, 37475), (141, 37511), (143, 37538), (145, 37565), (149, 37625), (152, 37658), (153, 37661), (157, 37691), (158, 37709), (166, 37850), (171, 37901), (223, 38111), (224, 38117), (225, 38123), (228, 38156), (229, 38198), (231, 38210), (233, 38228), (257, 38402), (259, 38411), (260, 38414), (261, 38417), (263, 38429), (266, 38441), (267, 38444), (272, 38459), (289, 38546), (293, 38561), (308, 38705), (310, 38717), (327, 38897), (331, 38915), (343, 38996), (347, 39032), (351, 39053), (354, 39119),

Gene: Bread_90 Start: 35846, Stop: 38470, Start Num: 36

Candidate Starts for Bread_90:

(Start: 36 @35846 has 160 MA's), (47, 35915), (48, 35921), (49, 35939), (56, 35975), (83, 36083), (86, 36095), (103, 36260), (104, 36266), (114, 36461), (117, 36482), (119, 36503), (120, 36512), (126, 36569), (128, 36611), (130, 36665), (131, 36710), (139, 36779), (141, 36815), (143, 36842), (145, 36869), (149, 36929), (152, 36962), (153, 36965), (156, 36986), (158, 37013), (162, 37085), (166, 37154), (171, 37205), (223, 37415), (224, 37421), (228, 37460), (229, 37502), (231, 37514), (233, 37532), (257, 37706), (259, 37715), (260, 37718), (261, 37721), (263, 37733), (266, 37745), (267, 37748), (272, 37763), (289, 37850), (293, 37865), (308, 38009), (310, 38021), (327, 38201), (331, 38219), (343, 38300), (347, 38336), (351, 38357), (354, 38423),

Gene: Breeniome_90 Start: 35069, Stop: 37693, Start Num: 36

Candidate Starts for Breeniome_90:

(Start: 36 @35069 has 160 MA's), (47, 35138), (48, 35144), (49, 35162), (56, 35198), (83, 35306), (86, 35318), (103, 35483), (104, 35489), (114, 35684), (117, 35705), (119, 35726), (120, 35735), (126, 35792), (128, 35834), (130, 35888), (131, 35933), (139, 36002), (141, 36038), (143, 36065), (145, 36092), (149, 36152), (152, 36185), (153, 36188), (157, 36218), (158, 36236), (166, 36377), (171, 36428), (223, 36638), (224, 36644), (228, 36683), (229, 36725), (231, 36737), (233, 36755), (257, 36929), (259, 36938), (260, 36941), (261, 36944), (263, 36956), (266, 36968), (267, 36971), (272, 36986), (289, 37073), (293, 37088), (308, 37232), (310, 37244), (327, 37424), (331, 37442), (343, 37523), (347, 37559), (351, 37580), (354, 37646),

Gene: Burrough_90 Start: 36503, Stop: 39127, Start Num: 36

Candidate Starts for Burrough_90:

(Start: 36 @36503 has 160 MA's), (47, 36572), (48, 36578), (49, 36596), (56, 36632), (83, 36740), (86, 36752), (103, 36917), (104, 36923), (114, 37118), (117, 37139), (119, 37160), (120, 37169), (126, 37226), (128, 37268), (130, 37322), (131, 37367), (139, 37436), (141, 37472), (143, 37499), (145, 37526), (149, 37586), (152, 37619), (153, 37622), (157, 37652), (158, 37670), (166, 37811), (171, 37862), (223, 38072), (224, 38078), (228, 38117), (229, 38159), (231, 38171), (233, 38189), (257, 38363), (259, 38372), (260, 38375), (261, 38378), (263, 38390), (266, 38402), (267, 38405), (272, 38420), (289, 38507), (293, 38522), (308, 38666), (310, 38678), (327, 38858), (331, 38876), (343, 38957), (347, 38993), (351, 39014), (354, 39080),

Gene: Bxz1_89 Start: 37554, Stop: 40178, Start Num: 36

Candidate Starts for Bxz1_89:

(Start: 36 @37554 has 160 MA's), (47, 37623), (48, 37629), (49, 37647), (56, 37683), (83, 37791), (86, 37803), (103, 37968), (104, 37974), (114, 38169), (117, 38190), (119, 38211), (120, 38220), (126, 38277), (128, 38319), (130, 38373), (131, 38418), (139, 38487), (141, 38523), (143, 38550), (145, 38577), (149, 38637), (152, 38670), (153, 38673), (157, 38703), (158, 38721), (166, 38862), (171, 38913), (223, 39123), (224, 39129), (228, 39168), (229, 39210), (231, 39222), (233, 39240), (257, 39414), (259, 39423), (260, 39426), (261, 39429), (263, 39441), (266, 39453), (267, 39456), (272, 39471), (289, 39558), (293, 39573), (308, 39717), (310, 39729), (327, 39909), (331, 39927), (343, 40008), (347, 40044), (351, 40065), (354, 40131),

Gene: Cactojaque_85 Start: 34187, Stop: 36790, Start Num: 36

Candidate Starts for Cactojaque_85:

(Start: 36 @34187 has 160 MA's), (47, 34256), (48, 34262), (49, 34280), (56, 34316), (83, 34424), (86, 34436), (103, 34601), (104, 34607), (114, 34802), (117, 34823), (119, 34844), (120, 34853), (126, 34910), (128, 34952), (130, 35006), (131, 35051), (139, 35120), (141, 35156), (143, 35183), (145, 35210), (149, 35270), (152, 35303), (153, 35306), (156, 35327), (158, 35354), (162, 35426), (166, 35495), (171, 35546), (223, 35756), (224, 35762), (225, 35768), (228, 35801), (229, 35843), (231, 35855), (233, 35873), (257, 36047), (259, 36056), (260, 36059), (261, 36062), (263, 36074), (266, 36086), (267, 36089), (272, 36104), (289, 36170), (293, 36185), (308, 36329), (310, 36341), (327, 36521), (331, 36539), (343, 36620), (347, 36656), (351, 36677), (354, 36743),

Gene: Cali_85 Start: 36080, Stop: 38704, Start Num: 36

Candidate Starts for Cali_85:

(Start: 36 @36080 has 160 MA's), (47, 36149), (48, 36155), (49, 36173), (56, 36209), (83, 36317), (86, 36329), (103, 36494), (104, 36500), (114, 36695), (117, 36716), (119, 36737), (120, 36746), (126, 36803), (128, 36845), (130, 36899), (131, 36944), (139, 37013), (141, 37049), (143, 37076), (145, 37103), (149, 37163), (152, 37196), (153, 37199), (157, 37229), (158, 37247), (166, 37388), (171, 37439), (223, 37649), (224, 37655), (228, 37694), (229, 37736), (231, 37748), (233, 37766), (257, 37940), (259, 37949), (260, 37952), (261, 37955), (263, 37967), (266, 37979), (267, 37982), (272, 37997), (289, 38084), (293, 38099), (308, 38243), (310, 38255), (327, 38435), (331, 38453), (343, 38534), (347, 38570), (351, 38591), (354, 38657),

Gene: Cane17_79 Start: 32842, Stop: 36537, Start Num: 36

Candidate Starts for Cane17_79:

(Start: 36 @32842 has 160 MA's), (47, 32911), (48, 32917), (49, 32935), (56, 32971), (83, 33079), (86, 33091), (104, 33262), (114, 33457), (117, 33478), (119, 33499), (120, 33508), (126, 33565), (128, 33607), (130, 33661), (131, 33706), (139, 33775), (141, 33811), (143, 33838), (145, 33865), (149, 33925), (152, 33958), (153, 33961), (157, 33991), (158, 34009), (166, 34150), (171, 34201), (184, 34357), (190, 34510), (191, 34534), (192, 34579), (193, 34633), (194, 34669), (196, 34723), (198, 34750), (199, 34783), (201, 34828), (203, 34915), (204, 34945), (205, 34954), (206, 34957), (209, 35086), (210, 35119), (211, 35164), (213, 35182), (214, 35212), (216, 35269), (217, 35311), (220,

35335), (221, 35413), (223, 35482), (224, 35488), (228, 35527), (229, 35569), (231, 35581), (233, 35599), (257, 35773), (259, 35782), (260, 35785), (261, 35788), (263, 35800), (266, 35812), (267, 35815), (272, 35830), (289, 35917), (293, 35932), (308, 36076), (310, 36088), (327, 36268), (331, 36286), (343, 36367), (347, 36403), (351, 36424), (354, 36490),

Gene: Capablanca_92 Start: 36373, Stop: 38997, Start Num: 36

Candidate Starts for Capablanca_92:

(Start: 36 @36373 has 160 MA's), (47, 36442), (48, 36448), (49, 36466), (56, 36502), (83, 36610), (86, 36622), (103, 36787), (104, 36793), (114, 36988), (117, 37009), (119, 37030), (120, 37039), (126, 37096), (128, 37138), (130, 37192), (131, 37237), (139, 37306), (141, 37342), (143, 37369), (145, 37396), (149, 37456), (152, 37489), (153, 37492), (156, 37513), (158, 37540), (162, 37612), (166, 37681), (171, 37732), (223, 37942), (224, 37948), (228, 37987), (229, 38029), (231, 38041), (233, 38059), (257, 38233), (259, 38242), (260, 38245), (261, 38248), (263, 38260), (266, 38272), (267, 38275), (272, 38290), (289, 38377), (293, 38392), (308, 38536), (310, 38548), (327, 38728), (331, 38746), (343, 38827), (347, 38863), (351, 38884), (354, 38950),

Gene: Caravan_85 Start: 35898, Stop: 38501, Start Num: 36

Candidate Starts for Caravan_85:

(Start: 36 @35898 has 160 MA's), (47, 35967), (48, 35973), (49, 35991), (56, 36027), (83, 36135), (86, 36147), (103, 36312), (104, 36318), (114, 36513), (117, 36534), (119, 36555), (120, 36564), (126, 36621), (128, 36663), (130, 36717), (131, 36762), (139, 36831), (141, 36867), (143, 36894), (145, 36921), (149, 36981), (152, 37014), (153, 37017), (157, 37047), (158, 37065), (166, 37206), (171, 37257), (223, 37467), (224, 37473), (228, 37512), (229, 37554), (231, 37566), (233, 37584), (257, 37758), (259, 37767), (260, 37770), (261, 37773), (263, 37785), (266, 37797), (267, 37800), (272, 37815), (289, 37881), (293, 37896), (308, 38040), (310, 38052), (327, 38232), (331, 38250), (343, 38331), (347, 38367), (351, 38388), (354, 38454),

Gene: Catera_88 Start: 34352, Stop: 36955, Start Num: 36

Candidate Starts for Catera_88:

(Start: 36 @34352 has 160 MA's), (47, 34421), (48, 34427), (49, 34445), (56, 34481), (83, 34589), (86, 34601), (103, 34766), (104, 34772), (114, 34967), (117, 34988), (119, 35009), (120, 35018), (126, 35075), (128, 35117), (130, 35171), (131, 35216), (139, 35285), (141, 35321), (143, 35348), (145, 35375), (149, 35435), (152, 35468), (153, 35471), (156, 35492), (158, 35519), (162, 35591), (166, 35660), (171, 35711), (223, 35921), (224, 35927), (225, 35933), (228, 35966), (229, 36008), (231, 36020), (233, 36038), (257, 36212), (259, 36221), (260, 36224), (261, 36227), (263, 36239), (266, 36251), (267, 36254), (272, 36269), (289, 36335), (293, 36350), (308, 36494), (310, 36506), (327, 36686), (331, 36704), (343, 36785), (347, 36821), (351, 36842), (354, 36908),

Gene: Chargie21_86 Start: 34263, Stop: 36866, Start Num: 36

Candidate Starts for Chargie21_86:

(Start: 36 @34263 has 160 MA's), (47, 34332), (48, 34338), (49, 34356), (56, 34392), (83, 34500), (86, 34512), (103, 34677), (104, 34683), (114, 34878), (117, 34899), (119, 34920), (120, 34929), (126, 34986), (128, 35028), (130, 35082), (131, 35127), (139, 35196), (141, 35232), (143, 35259), (145, 35286), (149, 35346), (152, 35379), (153, 35382), (156, 35403), (158, 35430), (162, 35502), (166, 35571), (171, 35622), (223, 35832), (224, 35838), (225, 35844), (228, 35877), (229, 35919), (231, 35931), (233, 35949), (257, 36123), (259, 36132), (260, 36135), (261, 36138), (263, 36150), (266, 36162), (267, 36165), (272, 36180), (289, 36246), (293, 36261), (308, 36405), (310, 36417), (327, 36597), (331, 36615), (343, 36696), (347, 36732), (351, 36753), (354, 36819),

Gene: CharlieB_85 Start: 34078, Stop: 36702, Start Num: 36

Candidate Starts for CharlieB_85:

(Start: 36 @34078 has 160 MA's), (47, 34147), (48, 34153), (49, 34171), (56, 34207), (83, 34315), (86, 34327), (103, 34492), (104, 34498), (114, 34693), (117, 34714), (119, 34735), (120, 34744), (126,

34801), (128, 34843), (130, 34897), (131, 34942), (139, 35011), (141, 35047), (143, 35074), (145, 35101), (149, 35161), (152, 35194), (153, 35197), (157, 35227), (158, 35245), (166, 35386), (171, 35437), (223, 35647), (224, 35653), (228, 35692), (229, 35734), (231, 35746), (233, 35764), (257, 35938), (259, 35947), (260, 35950), (261, 35953), (263, 35965), (266, 35977), (267, 35980), (272, 35995), (289, 36082), (293, 36097), (308, 36241), (310, 36253), (327, 36433), (331, 36451), (343, 36532), (347, 36568), (351, 36589), (354, 36655),

Gene: ChaylaJr_85 Start: 33978, Stop: 36581, Start Num: 36

Candidate Starts for ChaylaJr_85:

(Start: 36 @33978 has 160 MA's), (47, 34047), (48, 34053), (49, 34071), (56, 34107), (83, 34215), (86, 34227), (103, 34392), (104, 34398), (114, 34593), (117, 34614), (119, 34635), (120, 34644), (126, 34701), (128, 34743), (130, 34797), (131, 34842), (139, 34911), (141, 34947), (143, 34974), (145, 35001), (149, 35061), (152, 35094), (153, 35097), (156, 35118), (158, 35145), (162, 35217), (166, 35286), (171, 35337), (223, 35547), (224, 35553), (225, 35559), (228, 35592), (229, 35634), (231, 35646), (233, 35664), (257, 35838), (259, 35847), (260, 35850), (261, 35853), (263, 35865), (266, 35877), (267, 35880), (272, 35895), (289, 35961), (293, 35976), (308, 36120), (310, 36132), (327, 36312), (331, 36330), (343, 36411), (347, 36447), (351, 36468), (354, 36534),

Gene: CherryTomatoes_88 Start: 36603, Stop: 39215, Start Num: 41

Candidate Starts for CherryTomatoes_88:

(Start: 41 @36603 has 3 MA's), (Start: 43 @36621 has 3 MA's), (60, 36720), (70, 36759), (83, 36822), (86, 36834), (92, 36864), (106, 37053), (108, 37080), (114, 37200), (116, 37209), (117, 37221), (118, 37227), (119, 37242), (120, 37251), (121, 37263), (123, 37275), (129, 37389), (131, 37449), (134, 37476), (138, 37515), (139, 37518), (141, 37554), (142, 37578), (149, 37668), (158, 37752), (161, 37797), (164, 37881), (165, 37890), (166, 37893), (171, 37944), (172, 37947), (223, 38154), (224, 38160), (229, 38241), (230, 38250), (231, 38253), (233, 38271), (237, 38289), (241, 38340), (245, 38382), (250, 38424), (256, 38439), (260, 38448), (265, 38466), (266, 38469), (270, 38481), (274, 38493), (275, 38508), (276, 38511), (283, 38541), (300, 38637), (304, 38715), (311, 38760), (313, 38799), (326, 38901), (337, 38976), (339, 39000), (340, 39003), (347, 39075), (354, 39168), (355, 39177), (356, 39189),

Gene: ChickenPhender_86 Start: 34311, Stop: 36914, Start Num: 36

Candidate Starts for ChickenPhender_86:

(Start: 36 @34311 has 160 MA's), (47, 34380), (48, 34386), (49, 34404), (56, 34440), (83, 34548), (86, 34560), (103, 34725), (104, 34731), (114, 34926), (117, 34947), (119, 34968), (120, 34977), (126, 35034), (128, 35076), (130, 35130), (131, 35175), (139, 35244), (141, 35280), (143, 35307), (145, 35334), (149, 35394), (152, 35427), (153, 35430), (156, 35451), (158, 35478), (162, 35550), (166, 35619), (171, 35670), (223, 35880), (224, 35886), (225, 35892), (228, 35925), (229, 35967), (231, 35979), (233, 35997), (257, 36171), (259, 36180), (260, 36183), (261, 36186), (263, 36198), (266, 36210), (267, 36213), (272, 36228), (289, 36294), (293, 36309), (308, 36453), (310, 36465), (327, 36645), (331, 36663), (343, 36744), (347, 36780), (351, 36801), (354, 36867),

Gene: Chomp_89 Start: 35732, Stop: 39160, Start Num: 1

Candidate Starts for Chomp_89:

(Start: 1 @35732 has 16 MA's), (Start: 3 @35801 has 1 MA's), (4, 35807), (5, 35825), (9, 35861), (15, 35969), (16, 35981), (20, 36104), (22, 36155), (24, 36209), (25, 36221), (26, 36242), (37, 36536), (44, 36581), (58, 36659), (67, 36695), (75, 36728), (79, 36743), (88, 36788), (90, 36797), (94, 36830), (97, 36866), (103, 36950), (104, 36956), (114, 37151), (117, 37172), (119, 37193), (120, 37202), (126, 37259), (128, 37301), (130, 37355), (131, 37400), (139, 37469), (141, 37505), (143, 37532), (145, 37559), (149, 37619), (152, 37652), (153, 37655), (157, 37685), (158, 37703), (166, 37844), (171, 37895), (223, 38105), (224, 38111), (228, 38150), (229, 38192), (231, 38204), (233, 38222), (257, 38396), (259, 38405), (260, 38408), (261, 38411), (263, 38423), (266, 38435), (267, 38438), (272, 38453), (289, 38540), (293, 38555), (308, 38699), (310, 38711), (327, 38891), (331, 38909), (343,

38990), (347, 39026), (351, 39047), (354, 39113),

Gene: CindyLou_91 Start: 35773, Stop: 39201, Start Num: 1

Candidate Starts for CindyLou_91:

(Start: 1 @35773 has 16 MA's), (Start: 3 @35842 has 1 MA's), (4, 35848), (5, 35866), (9, 35902), (15, 36010), (16, 36022), (20, 36145), (22, 36196), (24, 36250), (25, 36262), (26, 36283), (37, 36577), (44, 36622), (58, 36700), (67, 36736), (75, 36769), (79, 36784), (88, 36829), (90, 36838), (94, 36871), (97, 36907), (103, 36991), (104, 36997), (114, 37192), (117, 37213), (119, 37234), (120, 37243), (126, 37300), (128, 37342), (130, 37396), (131, 37441), (139, 37510), (141, 37546), (143, 37573), (145, 37600), (149, 37660), (152, 37693), (153, 37696), (157, 37726), (158, 37744), (166, 37885), (171, 37936), (223, 38146), (224, 38152), (228, 38191), (229, 38233), (231, 38245), (233, 38263), (257, 38437), (259, 38446), (260, 38449), (261, 38452), (263, 38464), (266, 38476), (267, 38479), (272, 38494), (289, 38581), (293, 38596), (308, 38740), (310, 38752), (327, 38932), (331, 38950), (343, 39031), (347, 39067), (351, 39088), (354, 39154),

Gene: Cleatunium_85 Start: 35638, Stop: 38262, Start Num: 36

Candidate Starts for Cleatunium_85:

(Start: 36 @35638 has 160 MA's), (47, 35707), (48, 35713), (49, 35731), (56, 35767), (83, 35875), (86, 35887), (103, 36052), (104, 36058), (114, 36253), (117, 36274), (119, 36295), (120, 36304), (126, 36361), (128, 36403), (130, 36457), (131, 36502), (139, 36571), (141, 36607), (143, 36634), (145, 36661), (149, 36721), (152, 36754), (153, 36757), (157, 36787), (158, 36805), (166, 36946), (171, 36997), (223, 37207), (224, 37213), (225, 37219), (228, 37252), (229, 37294), (231, 37306), (233, 37324), (257, 37498), (259, 37507), (260, 37510), (261, 37513), (263, 37525), (266, 37537), (267, 37540), (272, 37555), (289, 37642), (293, 37657), (308, 37801), (310, 37813), (327, 37993), (331, 38011), (343, 38092), (347, 38128), (351, 38149), (354, 38215),

Gene: Colt_80 Start: 33441, Stop: 37133, Start Num: 36

Candidate Starts for Colt_80:

(Start: 36 @33441 has 160 MA's), (47, 33510), (48, 33516), (49, 33534), (56, 33570), (83, 33678), (86, 33690), (103, 33855), (104, 33861), (114, 34056), (117, 34077), (119, 34098), (120, 34107), (126, 34164), (128, 34206), (130, 34260), (131, 34305), (139, 34374), (141, 34410), (143, 34437), (145, 34464), (149, 34524), (152, 34557), (153, 34560), (156, 34581), (158, 34608), (162, 34680), (166, 34749), (171, 34800), (184, 34956), (185, 34959), (186, 34974), (187, 35055), (188, 35058), (189, 35070), (190, 35109), (192, 35178), (195, 35271), (196, 35322), (197, 35334), (199, 35382), (200, 35388), (202, 35475), (203, 35514), (204, 35544), (206, 35556), (207, 35640), (208, 35667), (209, 35685), (211, 35763), (212, 35772), (214, 35811), (215, 35814), (216, 35868), (217, 35910), (218, 35925), (219, 35928), (220, 35934), (221, 36009), (223, 36078), (224, 36084), (228, 36123), (229, 36165), (231, 36177), (233, 36195), (257, 36369), (259, 36378), (260, 36381), (261, 36384), (263, 36396), (266, 36408), (267, 36411), (272, 36426), (289, 36513), (293, 36528), (308, 36672), (310, 36684), (327, 36864), (331, 36882), (343, 36963), (347, 36999), (351, 37020), (354, 37086),

Gene: Concombres_97 Start: 38489, Stop: 41113, Start Num: 36

Candidate Starts for Concombres_97:

(Start: 36 @38489 has 160 MA's), (47, 38558), (48, 38564), (49, 38582), (56, 38618), (83, 38726), (86, 38738), (103, 38903), (104, 38909), (114, 39104), (117, 39125), (119, 39146), (120, 39155), (126, 39212), (128, 39254), (130, 39308), (131, 39353), (139, 39422), (141, 39458), (143, 39485), (145, 39512), (149, 39572), (152, 39605), (153, 39608), (157, 39638), (158, 39656), (166, 39797), (171, 39848), (223, 40058), (224, 40064), (228, 40103), (229, 40145), (231, 40157), (233, 40175), (257, 40349), (259, 40358), (260, 40361), (261, 40364), (263, 40376), (266, 40388), (267, 40391), (272, 40406), (289, 40493), (293, 40508), (308, 40652), (310, 40664), (327, 40844), (331, 40862), (343, 40943), (347, 40979), (351, 41000), (354, 41066),

Gene: DTDevon_91 Start: 36409, Stop: 39033, Start Num: 36

Candidate Starts for DTDevon_91:

(Start: 36 @36409 has 160 MA's), (47, 36478), (48, 36484), (49, 36502), (56, 36538), (83, 36646), (86, 36658), (103, 36823), (104, 36829), (114, 37024), (117, 37045), (119, 37066), (120, 37075), (126, 37132), (128, 37174), (130, 37228), (131, 37273), (139, 37342), (141, 37378), (143, 37405), (145, 37432), (149, 37492), (152, 37525), (153, 37528), (157, 37558), (158, 37576), (166, 37717), (171, 37768), (223, 37978), (224, 37984), (228, 38023), (229, 38065), (231, 38077), (233, 38095), (257, 38269), (259, 38278), (260, 38281), (261, 38284), (263, 38296), (266, 38308), (267, 38311), (272, 38326), (289, 38413), (293, 38428), (308, 38572), (310, 38584), (327, 38764), (331, 38782), (343, 38863), (347, 38899), (351, 38920), (354, 38986),

Gene: Daffodil_95 Start: 36242, Stop: 38866, Start Num: 36

Candidate Starts for Daffodil_95:

(Start: 36 @36242 has 160 MA's), (47, 36311), (48, 36317), (49, 36335), (56, 36371), (83, 36479), (86, 36491), (103, 36656), (104, 36662), (114, 36857), (117, 36878), (119, 36899), (120, 36908), (126, 36965), (128, 37007), (130, 37061), (131, 37106), (139, 37175), (141, 37211), (143, 37238), (145, 37265), (149, 37325), (152, 37358), (153, 37361), (157, 37391), (158, 37409), (166, 37550), (171, 37601), (223, 37811), (224, 37817), (228, 37856), (229, 37898), (231, 37910), (233, 37928), (257, 38102), (259, 38111), (260, 38114), (261, 38117), (263, 38129), (266, 38141), (267, 38144), (272, 38159), (289, 38246), (293, 38261), (308, 38405), (310, 38417), (327, 38597), (331, 38615), (343, 38696), (347, 38732), (351, 38753), (354, 38819),

Gene: Dandelion_97 Start: 38939, Stop: 41563, Start Num: 36

Candidate Starts for Dandelion_97:

(Start: 36 @38939 has 160 MA's), (47, 39008), (48, 39014), (49, 39032), (56, 39068), (83, 39176), (86, 39188), (103, 39353), (104, 39359), (114, 39554), (117, 39575), (119, 39596), (120, 39605), (126, 39662), (128, 39704), (130, 39758), (131, 39803), (139, 39872), (141, 39908), (143, 39935), (145, 39962), (149, 40022), (152, 40055), (153, 40058), (157, 40088), (158, 40106), (166, 40247), (171, 40298), (223, 40508), (224, 40514), (228, 40553), (229, 40595), (231, 40607), (233, 40625), (257, 40799), (259, 40808), (260, 40811), (261, 40814), (263, 40826), (266, 40838), (267, 40841), (272, 40856), (289, 40943), (293, 40958), (308, 41102), (310, 41114), (327, 41294), (331, 41312), (343, 41393), (347, 41429), (351, 41450), (354, 41516),

Gene: Darko_90 Start: 36177, Stop: 38801, Start Num: 36

Candidate Starts for Darko_90:

(Start: 36 @36177 has 160 MA's), (47, 36246), (48, 36252), (49, 36270), (56, 36306), (83, 36414), (86, 36426), (103, 36591), (104, 36597), (114, 36792), (117, 36813), (119, 36834), (120, 36843), (126, 36900), (128, 36942), (130, 36996), (131, 37041), (139, 37110), (141, 37146), (143, 37173), (145, 37200), (149, 37260), (152, 37293), (153, 37296), (157, 37326), (158, 37344), (166, 37485), (171, 37536), (223, 37746), (224, 37752), (225, 37758), (228, 37791), (229, 37833), (231, 37845), (233, 37863), (257, 38037), (259, 38046), (260, 38049), (261, 38052), (263, 38064), (266, 38076), (267, 38079), (272, 38094), (289, 38181), (293, 38196), (308, 38340), (310, 38352), (327, 38532), (331, 38550), (343, 38631), (347, 38667), (351, 38688), (354, 38754),

Gene: DeejaClivia_79 Start: 32115, Stop: 34718, Start Num: 36

Candidate Starts for DeejaClivia_79:

(Start: 36 @32115 has 160 MA's), (47, 32184), (48, 32190), (49, 32208), (56, 32244), (83, 32352), (86, 32364), (103, 32529), (104, 32535), (114, 32730), (117, 32751), (119, 32772), (120, 32781), (126, 32838), (128, 32880), (130, 32934), (131, 32979), (139, 33048), (141, 33084), (143, 33111), (145, 33138), (149, 33198), (152, 33231), (153, 33234), (156, 33255), (158, 33282), (162, 33354), (166, 33423), (171, 33474), (223, 33684), (224, 33690), (225, 33696), (228, 33729), (229, 33771), (231, 33783), (233, 33801), (257, 33975), (259, 33984), (260, 33987), (261, 33990), (263, 34002), (266, 34014), (267, 34017), (272, 34032), (289, 34098), (293, 34113), (308, 34257), (310, 34269), (327, 34449), (331, 34467), (343, 34548), (347, 34584), (351, 34605), (354, 34671),

Gene: Delilah_90 Start: 36243, Stop: 38867, Start Num: 36

Candidate Starts for Delilah_90:

(Start: 36 @36243 has 160 MA's), (47, 36312), (48, 36318), (49, 36336), (56, 36372), (83, 36480), (86, 36492), (103, 36657), (104, 36663), (114, 36858), (117, 36879), (119, 36900), (120, 36909), (126, 36966), (128, 37008), (130, 37062), (131, 37107), (139, 37176), (141, 37212), (143, 37239), (145, 37266), (149, 37326), (152, 37359), (153, 37362), (157, 37392), (158, 37410), (166, 37551), (171, 37602), (223, 37812), (224, 37818), (228, 37857), (229, 37899), (231, 37911), (233, 37929), (257, 38103), (259, 38112), (260, 38115), (261, 38118), (263, 38130), (266, 38142), (267, 38145), (272, 38160), (289, 38247), (293, 38262), (308, 38406), (310, 38418), (327, 38598), (331, 38616), (343, 38697), (347, 38733), (351, 38754), (354, 38820),

Gene: Delylah_93 Start: 36036, Stop: 38660, Start Num: 36

Candidate Starts for Delylah_93:

(Start: 36 @36036 has 160 MA's), (47, 36105), (48, 36111), (49, 36129), (56, 36165), (83, 36273), (86, 36285), (103, 36450), (104, 36456), (114, 36651), (117, 36672), (119, 36693), (120, 36702), (126, 36759), (128, 36801), (130, 36855), (131, 36900), (139, 36969), (141, 37005), (143, 37032), (145, 37059), (149, 37119), (152, 37152), (153, 37155), (157, 37185), (158, 37203), (166, 37344), (171, 37395), (223, 37605), (224, 37611), (228, 37650), (229, 37692), (231, 37704), (233, 37722), (257, 37896), (259, 37905), (260, 37908), (261, 37911), (263, 37923), (266, 37935), (267, 37938), (272, 37953), (289, 38040), (293, 38055), (308, 38199), (310, 38211), (327, 38391), (331, 38409), (343, 38490), (347, 38526), (351, 38547), (354, 38613),

Gene: Demodog_97 Start: 38489, Stop: 41113, Start Num: 36

Candidate Starts for Demodog_97:

(Start: 36 @38489 has 160 MA's), (47, 38558), (48, 38564), (49, 38582), (56, 38618), (83, 38726), (86, 38738), (103, 38903), (104, 38909), (114, 39104), (117, 39125), (119, 39146), (120, 39155), (126, 39212), (128, 39254), (130, 39308), (131, 39353), (139, 39422), (141, 39458), (143, 39485), (145, 39512), (149, 39572), (152, 39605), (153, 39608), (157, 39638), (158, 39656), (166, 39797), (171, 39848), (223, 40058), (224, 40064), (228, 40103), (229, 40145), (231, 40157), (233, 40175), (257, 40349), (259, 40358), (260, 40361), (261, 40364), (263, 40376), (266, 40388), (267, 40391), (272, 40406), (289, 40493), (293, 40508), (308, 40652), (310, 40664), (327, 40844), (331, 40862), (343, 40943), (347, 40979), (351, 41000), (354, 41066),

Gene: Derek_90 Start: 35534, Stop: 38962, Start Num: 1

Candidate Starts for Derek_90:

(Start: 1 @35534 has 16 MA's), (Start: 3 @35603 has 1 MA's), (4, 35609), (5, 35627), (9, 35663), (15, 35771), (16, 35783), (20, 35906), (22, 35957), (24, 36011), (25, 36023), (26, 36044), (37, 36338), (44, 36383), (58, 36461), (67, 36497), (75, 36530), (79, 36545), (88, 36590), (90, 36599), (94, 36632), (97, 36668), (103, 36752), (104, 36758), (114, 36953), (117, 36974), (119, 36995), (120, 37004), (126, 37061), (128, 37103), (130, 37157), (131, 37202), (139, 37271), (141, 37307), (143, 37334), (145, 37361), (149, 37421), (152, 37454), (153, 37457), (157, 37487), (158, 37505), (166, 37646), (171, 37697), (223, 37907), (224, 37913), (228, 37952), (229, 37994), (231, 38006), (233, 38024), (257, 38198), (259, 38207), (260, 38210), (261, 38213), (263, 38225), (266, 38237), (267, 38240), (272, 38255), (289, 38342), (293, 38357), (308, 38501), (310, 38513), (327, 38693), (331, 38711), (343, 38792), (347, 38828), (351, 38849), (354, 38915),

Gene: Dessert_88 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Dessert_88:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171,

36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Dietrick_82 Start: 34014, Stop: 36617, Start Num: 36

Candidate Starts for Dietrick_82:

(Start: 36 @34014 has 160 MA's), (47, 34083), (48, 34089), (49, 34107), (56, 34143), (83, 34251), (86, 34263), (103, 34428), (104, 34434), (114, 34629), (117, 34650), (119, 34671), (120, 34680), (126, 34737), (128, 34779), (130, 34833), (131, 34878), (139, 34947), (141, 34983), (143, 35010), (145, 35037), (149, 35097), (152, 35130), (153, 35133), (156, 35154), (158, 35181), (162, 35253), (166, 35322), (171, 35373), (223, 35583), (224, 35589), (225, 35595), (228, 35628), (229, 35670), (231, 35682), (233, 35700), (257, 35874), (259, 35883), (260, 35886), (261, 35889), (263, 35901), (266, 35913), (267, 35916), (272, 35931), (289, 35997), (293, 36012), (308, 36156), (310, 36168), (327, 36348), (331, 36366), (343, 36447), (347, 36483), (351, 36504), (354, 36570),

Gene: DirtMonster_83 Start: 34835, Stop: 37459, Start Num: 36

Candidate Starts for DirtMonster_83:

(Start: 36 @34835 has 160 MA's), (47, 34904), (48, 34910), (49, 34928), (56, 34964), (83, 35072), (86, 35084), (103, 35249), (104, 35255), (114, 35450), (117, 35471), (119, 35492), (120, 35501), (126, 35558), (128, 35600), (130, 35654), (131, 35699), (139, 35768), (141, 35804), (143, 35831), (145, 35858), (149, 35918), (152, 35951), (153, 35954), (157, 35984), (158, 36002), (166, 36143), (171, 36194), (223, 36404), (224, 36410), (225, 36416), (228, 36449), (229, 36491), (231, 36503), (233, 36521), (257, 36695), (259, 36704), (260, 36707), (261, 36710), (263, 36722), (266, 36734), (267, 36737), (272, 36752), (289, 36839), (293, 36854), (308, 36998), (310, 37010), (327, 37190), (331, 37208), (343, 37289), (347, 37325), (351, 37346), (354, 37412),

Gene: Domi_84 Start: 35571, Stop: 38195, Start Num: 36

Candidate Starts for Domi_84:

(Start: 36 @35571 has 160 MA's), (47, 35640), (48, 35646), (49, 35664), (56, 35700), (83, 35808), (86, 35820), (103, 35985), (104, 35991), (114, 36186), (117, 36207), (119, 36228), (120, 36237), (126, 36294), (128, 36336), (130, 36390), (131, 36435), (139, 36504), (141, 36540), (143, 36567), (145, 36594), (149, 36654), (152, 36687), (153, 36690), (157, 36720), (158, 36738), (166, 36879), (171, 36930), (223, 37140), (224, 37146), (225, 37152), (228, 37185), (229, 37227), (231, 37239), (233, 37257), (257, 37431), (259, 37440), (260, 37443), (261, 37446), (263, 37458), (266, 37470), (267, 37473), (272, 37488), (289, 37575), (293, 37590), (308, 37734), (310, 37746), (327, 37926), (331, 37944), (343, 38025), (347, 38061), (351, 38082), (354, 38148),

Gene: DrPhinkDaddy_89 Start: 36298, Stop: 38922, Start Num: 36

Candidate Starts for DrPhinkDaddy_89:

(Start: 36 @36298 has 160 MA's), (47, 36367), (48, 36373), (49, 36391), (56, 36427), (83, 36535), (86, 36547), (103, 36712), (104, 36718), (114, 36913), (117, 36934), (119, 36955), (120, 36964), (126, 37021), (128, 37063), (130, 37117), (131, 37162), (139, 37231), (141, 37267), (143, 37294), (145, 37321), (149, 37381), (152, 37414), (153, 37417), (157, 37447), (158, 37465), (166, 37606), (171, 37657), (223, 37867), (224, 37873), (228, 37912), (229, 37954), (231, 37966), (233, 37984), (257, 38158), (259, 38167), (260, 38170), (261, 38173), (263, 38185), (266, 38197), (267, 38200), (272, 38215), (289, 38302), (293, 38317), (308, 38461), (310, 38473), (327, 38653), (331, 38671), (343, 38752), (347, 38788), (351, 38809), (354, 38875),

Gene: Drazdys_90 Start: 36040, Stop: 38664, Start Num: 36

Candidate Starts for Drazdys_90:

(Start: 36 @36040 has 160 MA's), (47, 36109), (48, 36115), (49, 36133), (56, 36169), (83, 36277), (86, 36289), (103, 36454), (104, 36460), (114, 36655), (117, 36676), (119, 36697), (120, 36706), (126,

36763), (128, 36805), (130, 36859), (131, 36904), (139, 36973), (141, 37009), (143, 37036), (145, 37063), (149, 37123), (150, 37135), (152, 37156), (153, 37159), (157, 37189), (158, 37207), (166, 37348), (171, 37399), (223, 37609), (224, 37615), (228, 37654), (229, 37696), (231, 37708), (233, 37726), (257, 37900), (259, 37909), (260, 37912), (261, 37915), (263, 37927), (266, 37939), (267, 37942), (272, 37957), (289, 38044), (293, 38059), (308, 38203), (310, 38215), (327, 38395), (331, 38413), (343, 38494), (347, 38530), (351, 38551), (354, 38617),

Gene: Duckfeet_81 Start: 34045, Stop: 36669, Start Num: 36

Candidate Starts for Duckfeet_81:

(Start: 36 @34045 has 160 MA's), (47, 34114), (48, 34120), (49, 34138), (56, 34174), (83, 34282), (86, 34294), (103, 34459), (104, 34465), (114, 34660), (117, 34681), (119, 34702), (120, 34711), (126, 34768), (128, 34810), (130, 34864), (131, 34909), (139, 34978), (141, 35014), (143, 35041), (145, 35068), (149, 35128), (152, 35161), (153, 35164), (157, 35194), (158, 35212), (166, 35353), (171, 35404), (223, 35614), (224, 35620), (228, 35659), (229, 35701), (231, 35713), (233, 35731), (257, 35905), (259, 35914), (260, 35917), (261, 35920), (263, 35932), (266, 35944), (267, 35947), (272, 35962), (289, 36049), (293, 36064), (308, 36208), (310, 36220), (327, 36400), (331, 36418), (343, 36499), (347, 36535), (351, 36556), (354, 36622),

Gene: E3_gp72 Start: 32680, Stop: 35169, Start Num: 42

Candidate Starts for E3_gp72:

(35, 32617), (38, 32665), (Start: 42 @32680 has 3 MA's), (45, 32698), (49, 32737), (55, 32776), (75, 32887), (81, 32908), (96, 33019), (103, 33106), (104, 33112), (105, 33121), (106, 33163), (107, 33169), (116, 33313), (117, 33325), (119, 33346), (121, 33367), (132, 33532), (133, 33541), (136, 33574), (137, 33577), (139, 33598), (140, 33601), (149, 33748), (152, 33781), (153, 33784), (156, 33805), (157, 33814), (158, 33832), (161, 33877), (165, 33970), (166, 33973), (168, 33994), (179, 34141), (181, 34156), (233, 34351), (239, 34405), (245, 34462), (248, 34489), (249, 34495), (254, 34516), (260, 34537), (261, 34540), (265, 34558), (268, 34567), (270, 34573), (272, 34579), (294, 34678), (295, 34684), (298, 34705), (299, 34723), (302, 34768), (303, 34777), (307, 34813), (313, 34882), (316, 34894), (323, 34948), (324, 34954), (331, 35014), (349, 35143),

Gene: ET08_79 Start: 33946, Stop: 37638, Start Num: 36

Candidate Starts for ET08_79:

(Start: 36 @33946 has 160 MA's), (47, 34015), (48, 34021), (49, 34039), (56, 34075), (83, 34183), (86, 34195), (103, 34360), (104, 34366), (114, 34561), (117, 34582), (119, 34603), (120, 34612), (126, 34669), (128, 34711), (130, 34765), (131, 34810), (139, 34879), (141, 34915), (143, 34942), (145, 34969), (149, 35029), (152, 35062), (153, 35065), (157, 35095), (158, 35113), (166, 35254), (171, 35305), (184, 35461), (185, 35464), (186, 35479), (187, 35560), (188, 35563), (189, 35575), (190, 35614), (192, 35683), (195, 35776), (196, 35827), (197, 35839), (199, 35887), (200, 35893), (202, 35980), (203, 36019), (204, 36049), (206, 36061), (207, 36145), (208, 36172), (209, 36190), (211, 36268), (212, 36277), (214, 36316), (215, 36319), (216, 36373), (217, 36415), (218, 36430), (219, 36433), (220, 36439), (221, 36514), (223, 36583), (224, 36589), (228, 36628), (229, 36670), (231, 36682), (233, 36700), (257, 36874), (259, 36883), (260, 36886), (261, 36889), (263, 36901), (266, 36913), (267, 36916), (272, 36931), (289, 37018), (293, 37033), (308, 37177), (310, 37189), (327, 37369), (331, 37387), (343, 37468), (347, 37504), (351, 37525), (354, 37591),

Gene: EasyJones_93 Start: 35370, Stop: 37973, Start Num: 36

Candidate Starts for EasyJones_93:

(Start: 36 @35370 has 160 MA's), (47, 35439), (48, 35445), (49, 35463), (56, 35499), (83, 35607), (86, 35619), (103, 35784), (104, 35790), (114, 35985), (117, 36006), (119, 36027), (120, 36036), (126, 36093), (128, 36135), (130, 36189), (131, 36234), (139, 36303), (141, 36339), (143, 36366), (145, 36393), (149, 36453), (152, 36486), (153, 36489), (156, 36510), (158, 36537), (162, 36609), (166, 36678), (171, 36729), (223, 36939), (224, 36945), (225, 36951), (228, 36984), (229, 37026), (231, 37038), (233, 37056), (257, 37230), (259, 37239), (260, 37242), (261, 37245), (263, 37257), (266,

37269), (267, 37272), (272, 37287), (289, 37353), (293, 37368), (308, 37512), (310, 37524), (327, 37704), (331, 37722), (343, 37803), (347, 37839), (351, 37860), (354, 37926),

Gene: EggyFarm_98 Start: 38300, Stop: 40924, Start Num: 36

Candidate Starts for EggyFarm_98:

(Start: 36 @38300 has 160 MA's), (47, 38369), (48, 38375), (49, 38393), (56, 38429), (83, 38537), (86, 38549), (104, 38720), (114, 38915), (117, 38936), (119, 38957), (120, 38966), (126, 39023), (128, 39065), (130, 39119), (131, 39164), (139, 39233), (141, 39269), (143, 39296), (145, 39323), (149, 39383), (152, 39416), (153, 39419), (157, 39449), (158, 39467), (166, 39608), (171, 39659), (223, 39869), (224, 39875), (225, 39881), (228, 39914), (229, 39956), (231, 39968), (233, 39986), (257, 40160), (259, 40169), (260, 40172), (261, 40175), (263, 40187), (266, 40199), (267, 40202), (272, 40217), (289, 40304), (293, 40319), (308, 40463), (310, 40475), (327, 40655), (331, 40673), (343, 40754), (347, 40790), (351, 40811), (354, 40877),

Gene: EmToTheThree_93 Start: 37694, Stop: 40318, Start Num: 36

Candidate Starts for EmToTheThree_93:

(Start: 36 @37694 has 160 MA's), (47, 37763), (48, 37769), (49, 37787), (56, 37823), (83, 37931), (86, 37943), (103, 38108), (104, 38114), (114, 38309), (117, 38330), (119, 38351), (120, 38360), (126, 38417), (128, 38459), (130, 38513), (131, 38558), (139, 38627), (141, 38663), (143, 38690), (145, 38717), (149, 38777), (152, 38810), (153, 38813), (157, 38843), (158, 38861), (166, 39002), (171, 39053), (223, 39263), (224, 39269), (228, 39308), (229, 39350), (231, 39362), (233, 39380), (257, 39554), (259, 39563), (260, 39566), (261, 39569), (263, 39581), (266, 39593), (267, 39596), (272, 39611), (289, 39698), (293, 39713), (308, 39857), (310, 39869), (327, 40049), (331, 40067), (343, 40148), (347, 40184), (351, 40205), (354, 40271),

Gene: EmmaElysia_89 Start: 34815, Stop: 37439, Start Num: 36

Candidate Starts for EmmaElysia_89:

(Start: 36 @34815 has 160 MA's), (47, 34884), (48, 34890), (49, 34908), (56, 34944), (83, 35052), (86, 35064), (103, 35229), (104, 35235), (114, 35430), (117, 35451), (119, 35472), (120, 35481), (126, 35538), (128, 35580), (130, 35634), (131, 35679), (139, 35748), (141, 35784), (143, 35811), (145, 35838), (149, 35898), (152, 35931), (153, 35934), (157, 35964), (158, 35982), (166, 36123), (171, 36174), (223, 36384), (224, 36390), (228, 36429), (229, 36471), (231, 36483), (233, 36501), (257, 36675), (259, 36684), (260, 36687), (261, 36690), (263, 36702), (266, 36714), (267, 36717), (272, 36732), (289, 36819), (293, 36834), (308, 36978), (310, 36990), (327, 37170), (331, 37188), (343, 37269), (347, 37305), (351, 37326), (354, 37392),

Gene: Erdmann_91 Start: 36243, Stop: 38867, Start Num: 36

Candidate Starts for Erdmann_91:

(Start: 36 @36243 has 160 MA's), (47, 36312), (48, 36318), (49, 36336), (56, 36372), (83, 36480), (86, 36492), (103, 36657), (104, 36663), (114, 36858), (117, 36879), (119, 36900), (120, 36909), (126, 36966), (128, 37008), (130, 37062), (131, 37107), (139, 37176), (141, 37212), (143, 37239), (145, 37266), (149, 37326), (152, 37359), (153, 37362), (157, 37392), (158, 37410), (166, 37551), (171, 37602), (223, 37812), (224, 37818), (228, 37857), (229, 37899), (231, 37911), (233, 37929), (257, 38103), (259, 38112), (260, 38115), (261, 38118), (263, 38130), (266, 38142), (267, 38145), (272, 38160), (289, 38247), (293, 38262), (308, 38406), (310, 38418), (327, 38598), (331, 38616), (343, 38697), (347, 38733), (351, 38754), (354, 38820),

Gene: ErnieJ_86 Start: 34292, Stop: 36895, Start Num: 36

Candidate Starts for ErnieJ_86:

(Start: 36 @34292 has 160 MA's), (47, 34361), (48, 34367), (49, 34385), (56, 34421), (83, 34529), (86, 34541), (103, 34706), (104, 34712), (114, 34907), (117, 34928), (119, 34949), (120, 34958), (126, 35015), (128, 35057), (130, 35111), (131, 35156), (139, 35225), (141, 35261), (143, 35288), (145, 35315), (149, 35375), (152, 35408), (153, 35411), (156, 35432), (158, 35459), (162, 35531), (166,

35600), (171, 35651), (223, 35861), (224, 35867), (225, 35873), (228, 35906), (229, 35948), (231, 35960), (233, 35978), (257, 36152), (259, 36161), (260, 36164), (261, 36167), (263, 36179), (266, 36191), (267, 36194), (272, 36209), (289, 36275), (293, 36290), (308, 36434), (310, 36446), (327, 36626), (331, 36644), (343, 36725), (347, 36761), (351, 36782), (354, 36848),

Gene: Essence_87 Start: 34998, Stop: 38426, Start Num: 1

Candidate Starts for Essence_87:

(Start: 1 @34998 has 16 MA's), (Start: 3 @35067 has 1 MA's), (4, 35073), (5, 35091), (9, 35127), (15, 35235), (16, 35247), (20, 35370), (22, 35421), (24, 35475), (25, 35487), (26, 35508), (37, 35802), (44, 35847), (58, 35925), (67, 35961), (75, 35994), (79, 36009), (88, 36054), (90, 36063), (94, 36096), (97, 36132), (103, 36216), (104, 36222), (114, 36417), (117, 36438), (119, 36459), (120, 36468), (126, 36525), (128, 36567), (130, 36621), (131, 36666), (139, 36735), (141, 36771), (143, 36798), (145, 36825), (149, 36885), (152, 36918), (153, 36921), (157, 36951), (158, 36969), (166, 37110), (171, 37161), (223, 37371), (224, 37377), (228, 37416), (229, 37458), (231, 37470), (233, 37488), (257, 37662), (259, 37671), (260, 37674), (261, 37677), (263, 37689), (266, 37701), (267, 37704), (272, 37719), (289, 37806), (293, 37821), (308, 37965), (310, 37977), (327, 38157), (331, 38175), (343, 38256), (347, 38292), (351, 38313), (354, 38379),

Gene: Ewok_91 Start: 35870, Stop: 38494, Start Num: 36

Candidate Starts for Ewok_91:

(Start: 36 @35870 has 160 MA's), (47, 35939), (48, 35945), (49, 35963), (56, 35999), (83, 36107), (86, 36119), (103, 36284), (104, 36290), (114, 36485), (117, 36506), (119, 36527), (120, 36536), (126, 36593), (128, 36635), (130, 36689), (131, 36734), (139, 36803), (141, 36839), (143, 36866), (145, 36893), (149, 36953), (152, 36986), (153, 36989), (157, 37019), (158, 37037), (166, 37178), (171, 37229), (223, 37439), (224, 37445), (228, 37484), (229, 37526), (231, 37538), (233, 37556), (257, 37730), (259, 37739), (260, 37742), (261, 37745), (263, 37757), (266, 37769), (267, 37772), (272, 37787), (289, 37874), (293, 37889), (308, 38033), (310, 38045), (327, 38225), (331, 38243), (343, 38324), (347, 38360), (351, 38381), (354, 38447),

Gene: Finch_15 Start: 10444, Stop: 13083, Start Num: 42

Candidate Starts for Finch_15:

(Start: 42 @10444 has 3 MA's), (68, 10603), (77, 10642), (85, 10675), (90, 10702), (100, 10783), (106, 10900), (107, 10906), (116, 11050), (117, 11062), (121, 11104), (122, 11107), (125, 11134), (140, 11353), (141, 11386), (149, 11500), (152, 11533), (155, 11551), (157, 11566), (161, 11629), (165, 11722), (166, 11725), (178, 11863), (179, 11893), (183, 11923), (224, 11992), (226, 12007), (229, 12073), (233, 12103), (238, 12133), (243, 12196), (255, 12277), (258, 12292), (262, 12301), (269, 12334), (280, 12391), (292, 12457), (301, 12556), (312, 12649), (314, 12682), (317, 12688), (332, 12826), (334, 12835), (338, 12868), (341, 12892), (344, 12913), (352, 13024), (354, 13036),

Gene: Fixie_85 Start: 34448, Stop: 37072, Start Num: 36

Candidate Starts for Fixie_85:

(Start: 36 @34448 has 160 MA's), (47, 34517), (48, 34523), (49, 34541), (56, 34577), (83, 34685), (86, 34697), (103, 34862), (104, 34868), (114, 35063), (117, 35084), (119, 35105), (120, 35114), (126, 35171), (128, 35213), (130, 35267), (131, 35312), (139, 35381), (141, 35417), (143, 35444), (145, 35471), (149, 35531), (152, 35564), (153, 35567), (157, 35597), (158, 35615), (166, 35756), (171, 35807), (223, 36017), (224, 36023), (228, 36062), (229, 36104), (231, 36116), (233, 36134), (257, 36308), (259, 36317), (260, 36320), (261, 36323), (263, 36335), (266, 36347), (267, 36350), (272, 36365), (289, 36452), (293, 36467), (308, 36611), (310, 36623), (327, 36803), (331, 36821), (343, 36902), (347, 36938), (351, 36959), (354, 37025),

Gene: Flabslab_85 Start: 34048, Stop: 36651, Start Num: 36

Candidate Starts for Flabslab_85:

(Start: 36 @34048 has 160 MA's), (47, 34117), (48, 34123), (49, 34141), (56, 34177), (83, 34285), (86, 34297), (103, 34462), (104, 34468), (114, 34663), (117, 34684), (119, 34705), (120, 34714), (126, 34771), (128, 34813), (130, 34867), (131, 34912), (139, 34981), (141, 35017), (143, 35044), (145, 35071), (149, 35131), (152, 35164), (153, 35167), (156, 35188), (158, 35215), (162, 35287), (166, 35356), (171, 35407), (223, 35617), (224, 35623), (225, 35629), (228, 35662), (229, 35704), (231, 35716), (233, 35734), (257, 35908), (259, 35917), (260, 35920), (261, 35923), (263, 35935), (266, 35947), (267, 35950), (272, 35965), (289, 36031), (293, 36046), (308, 36190), (310, 36202), (327, 36382), (331, 36400), (343, 36481), (347, 36517), (351, 36538), (354, 36604),

Gene: Fludd_90 Start: 34710, Stop: 37313, Start Num: 36

Candidate Starts for Fludd_90:

(Start: 36 @34710 has 160 MA's), (47, 34779), (48, 34785), (49, 34803), (56, 34839), (83, 34947), (86, 34959), (103, 35124), (104, 35130), (114, 35325), (117, 35346), (119, 35367), (120, 35376), (126, 35433), (128, 35475), (130, 35529), (131, 35574), (139, 35643), (141, 35679), (143, 35706), (145, 35733), (149, 35793), (152, 35826), (153, 35829), (156, 35850), (158, 35877), (162, 35949), (166, 36018), (171, 36069), (223, 36279), (224, 36285), (225, 36291), (228, 36324), (229, 36366), (231, 36378), (233, 36396), (257, 36570), (259, 36579), (260, 36582), (261, 36585), (263, 36597), (266, 36609), (267, 36612), (272, 36627), (289, 36693), (293, 36708), (308, 36852), (310, 36864), (327, 37044), (331, 37062), (343, 37143), (347, 37179), (351, 37200), (354, 37266),

Gene: Fongie_88 Start: 36083, Stop: 38707, Start Num: 36

Candidate Starts for Fongie_88:

(Start: 36 @36083 has 160 MA's), (47, 36152), (48, 36158), (49, 36176), (56, 36212), (83, 36320), (86, 36332), (103, 36497), (104, 36503), (114, 36698), (117, 36719), (119, 36740), (120, 36749), (126, 36806), (128, 36848), (130, 36902), (131, 36947), (139, 37016), (141, 37052), (143, 37079), (145, 37106), (149, 37166), (152, 37199), (153, 37202), (157, 37232), (158, 37250), (166, 37391), (171, 37442), (223, 37652), (224, 37658), (228, 37697), (229, 37739), (231, 37751), (233, 37769), (257, 37943), (259, 37952), (260, 37955), (261, 37958), (263, 37970), (266, 37982), (267, 37985), (272, 38000), (289, 38087), (293, 38102), (308, 38246), (310, 38258), (327, 38438), (331, 38456), (343, 38537), (347, 38573), (351, 38594), (354, 38660),

Gene: FoxtrotP1_90 Start: 36642, Stop: 39266, Start Num: 36

Candidate Starts for FoxtrotP1_90:

(Start: 36 @36642 has 160 MA's), (47, 36711), (48, 36717), (49, 36735), (56, 36771), (83, 36879), (86, 36891), (103, 37056), (104, 37062), (114, 37257), (117, 37278), (119, 37299), (120, 37308), (126, 37365), (128, 37407), (130, 37461), (131, 37506), (139, 37575), (141, 37611), (143, 37638), (145, 37665), (149, 37725), (152, 37758), (153, 37761), (157, 37791), (158, 37809), (166, 37950), (171, 38001), (223, 38211), (224, 38217), (228, 38256), (229, 38298), (231, 38310), (233, 38328), (257, 38502), (259, 38511), (260, 38514), (261, 38517), (263, 38529), (266, 38541), (267, 38544), (272, 38559), (289, 38646), (293, 38661), (308, 38805), (310, 38817), (327, 38997), (331, 39015), (343, 39096), (347, 39132), (351, 39153), (354, 39219),

Gene: FrayBell_96 Start: 37692, Stop: 40316, Start Num: 36

Candidate Starts for FrayBell_96:

(Start: 36 @37692 has 160 MA's), (47, 37761), (48, 37767), (49, 37785), (56, 37821), (83, 37929), (86, 37941), (103, 38106), (104, 38112), (114, 38307), (117, 38328), (119, 38349), (120, 38358), (126, 38415), (128, 38457), (130, 38511), (131, 38556), (139, 38625), (141, 38661), (143, 38688), (145, 38715), (149, 38775), (152, 38808), (153, 38811), (157, 38841), (158, 38859), (166, 39000), (171, 39051), (223, 39261), (224, 39267), (225, 39273), (228, 39306), (229, 39348), (231, 39360), (233, 39378), (257, 39552), (259, 39561), (260, 39564), (261, 39567), (263, 39579), (266, 39591), (267, 39594), (272, 39609), (289, 39696), (293, 39711), (308, 39855), (310, 39867), (327, 40047), (331, 40065), (343, 40146), (347, 40182), (351, 40203), (354, 40269),

Gene: FudgeTart_90 Start: 35436, Stop: 38060, Start Num: 36

Candidate Starts for FudgeTart_90:

(Start: 36 @35436 has 160 MA's), (47, 35505), (48, 35511), (49, 35529), (56, 35565), (83, 35673), (86, 35685), (103, 35850), (104, 35856), (114, 36051), (117, 36072), (119, 36093), (120, 36102), (126, 36159), (128, 36201), (130, 36255), (131, 36300), (139, 36369), (141, 36405), (143, 36432), (145, 36459), (149, 36519), (152, 36552), (153, 36555), (157, 36585), (158, 36603), (166, 36744), (171, 36795), (223, 37005), (224, 37011), (228, 37050), (229, 37092), (231, 37104), (233, 37122), (257, 37296), (259, 37305), (260, 37308), (261, 37311), (263, 37323), (266, 37335), (267, 37338), (272, 37353), (289, 37440), (293, 37455), (308, 37599), (310, 37611), (327, 37791), (331, 37809), (343, 37890), (347, 37926), (351, 37947), (354, 38013),

Gene: Gabriel_92 Start: 35478, Stop: 38102, Start Num: 36

Candidate Starts for Gabriel_92:

(Start: 36 @35478 has 160 MA's), (47, 35547), (48, 35553), (49, 35571), (56, 35607), (83, 35715), (86, 35727), (103, 35892), (104, 35898), (114, 36093), (117, 36114), (119, 36135), (120, 36144), (126, 36201), (128, 36243), (130, 36297), (131, 36342), (139, 36411), (141, 36447), (143, 36474), (145, 36501), (149, 36561), (152, 36594), (153, 36597), (157, 36627), (158, 36645), (166, 36786), (171, 36837), (223, 37047), (224, 37053), (228, 37092), (229, 37134), (231, 37146), (233, 37164), (257, 37338), (259, 37347), (260, 37350), (261, 37353), (263, 37365), (266, 37377), (267, 37380), (272, 37395), (289, 37482), (293, 37497), (308, 37641), (310, 37653), (327, 37833), (331, 37851), (343, 37932), (347, 37968), (351, 37989), (354, 38055),

Gene: Gamgam_90 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Gamgam_90:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Ghost_89 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Ghost_89:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Gizmo_94 Start: 35551, Stop: 39243, Start Num: 36

Candidate Starts for Gizmo_94:

(Start: 36 @35551 has 160 MA's), (47, 35620), (48, 35626), (49, 35644), (56, 35680), (83, 35788), (86, 35800), (103, 35965), (104, 35971), (114, 36166), (117, 36187), (119, 36208), (120, 36217), (126, 36274), (128, 36316), (130, 36370), (131, 36415), (139, 36484), (141, 36520), (143, 36547), (145, 36574), (149, 36634), (152, 36667), (153, 36670), (157, 36700), (158, 36718), (166, 36859), (171, 36910), (184, 37066), (185, 37069), (186, 37084), (187, 37165), (188, 37168), (189, 37180), (190, 37219), (192, 37288), (195, 37381), (196, 37432), (197, 37444), (199, 37492), (200, 37498), (202, 37585), (203, 37624), (204, 37654), (206, 37666), (207, 37750), (208, 37777), (209, 37795), (211,

37873), (212, 37882), (214, 37921), (215, 37924), (216, 37978), (217, 38020), (218, 38035), (219, 38038), (220, 38044), (221, 38119), (223, 38188), (224, 38194), (228, 38233), (229, 38275), (231, 38287), (233, 38305), (257, 38479), (259, 38488), (260, 38491), (261, 38494), (263, 38506), (266, 38518), (267, 38521), (272, 38536), (289, 38623), (293, 38638), (308, 38782), (310, 38794), (327, 38974), (331, 38992), (343, 39073), (347, 39109), (351, 39130), (354, 39196),

Gene: GlutenPhree_91 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for GlutenPhree_91:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Grasshills_97 Start: 38300, Stop: 40924, Start Num: 36

Candidate Starts for Grasshills_97:

(Start: 36 @38300 has 160 MA's), (47, 38369), (48, 38375), (49, 38393), (56, 38429), (83, 38537), (86, 38549), (104, 38720), (114, 38915), (117, 38936), (119, 38957), (120, 38966), (126, 39023), (128, 39065), (130, 39119), (131, 39164), (139, 39233), (141, 39269), (143, 39296), (145, 39323), (149, 39383), (152, 39416), (153, 39419), (157, 39449), (158, 39467), (166, 39608), (171, 39659), (223, 39869), (224, 39875), (225, 39881), (228, 39914), (229, 39956), (231, 39968), (233, 39986), (257, 40160), (259, 40169), (260, 40172), (261, 40175), (263, 40187), (266, 40199), (267, 40202), (272, 40217), (289, 40304), (293, 40319), (308, 40463), (310, 40475), (327, 40655), (331, 40673), (343, 40754), (347, 40790), (351, 40811), (354, 40877),

Gene: Greely_91 Start: 37183, Stop: 39693, Start Num: 43

Candidate Starts for Greely_91:

(Start: 43 @37183 has 3 MA's), (46, 37189), (52, 37228), (57, 37246), (66, 37291), (71, 37312), (75, 37330), (78, 37339), (83, 37360), (101, 37498), (104, 37543), (106, 37591), (114, 37738), (117, 37759), (119, 37780), (120, 37789), (121, 37801), (122, 37804), (124, 37828), (131, 37987), (139, 38056), (141, 38092), (153, 38242), (157, 38272), (158, 38290), (164, 38419), (165, 38428), (166, 38431), (167, 38434), (173, 38530), (174, 38536), (179, 38599), (182, 38623), (223, 38692), (224, 38698), (225, 38704), (227, 38719), (228, 38737), (231, 38791), (233, 38809), (246, 38938), (253, 38971), (257, 38983), (260, 38995), (266, 39022), (272, 39040), (290, 39145), (329, 39448), (336, 39490), (356, 39667),

Gene: Grungle_77 Start: 32630, Stop: 35254, Start Num: 36

Candidate Starts for Grungle_77:

(Start: 36 @32630 has 160 MA's), (47, 32699), (48, 32705), (49, 32723), (56, 32759), (83, 32867), (86, 32879), (103, 33044), (104, 33050), (114, 33245), (117, 33266), (119, 33287), (120, 33296), (126, 33353), (128, 33395), (130, 33449), (131, 33494), (139, 33563), (141, 33599), (143, 33626), (145, 33653), (149, 33713), (152, 33746), (153, 33749), (157, 33779), (158, 33797), (166, 33938), (171, 33989), (223, 34199), (224, 34205), (228, 34244), (229, 34286), (231, 34298), (233, 34316), (257, 34490), (259, 34499), (260, 34502), (261, 34505), (263, 34517), (266, 34529), (267, 34532), (272, 34547), (289, 34634), (293, 34649), (308, 34793), (310, 34805), (327, 34985), (331, 35003), (343, 35084), (347, 35120), (351, 35141), (354, 35207),

Gene: Guwapp_89 Start: 35343, Stop: 37967, Start Num: 36

Candidate Starts for Guwapp_89:

(Start: 36 @35343 has 160 MA's), (47, 35412), (48, 35418), (49, 35436), (56, 35472), (83, 35580), (86, 35592), (103, 35757), (104, 35763), (114, 35958), (117, 35979), (119, 36000), (120, 36009), (126, 36066), (128, 36108), (130, 36162), (131, 36207), (139, 36276), (141, 36312), (143, 36339), (145, 36366), (149, 36426), (152, 36459), (153, 36462), (157, 36492), (158, 36510), (166, 36651), (171, 36702), (223, 36912), (224, 36918), (228, 36957), (229, 36999), (231, 37011), (233, 37029), (257, 37203), (259, 37212), (260, 37215), (261, 37218), (263, 37230), (266, 37242), (267, 37245), (272, 37260), (289, 37347), (293, 37362), (308, 37506), (310, 37518), (327, 37698), (331, 37716), (343, 37797), (347, 37833), (351, 37854), (354, 37920),

Gene: Halldule_83 Start: 33660, Stop: 36284, Start Num: 36

Candidate Starts for Halldule_83:

(Start: 36 @33660 has 160 MA's), (47, 33729), (48, 33735), (49, 33753), (56, 33789), (83, 33897), (86, 33909), (103, 34074), (104, 34080), (114, 34275), (117, 34296), (119, 34317), (120, 34326), (126, 34383), (128, 34425), (130, 34479), (131, 34524), (139, 34593), (141, 34629), (143, 34656), (145, 34683), (149, 34743), (152, 34776), (153, 34779), (157, 34809), (158, 34827), (166, 34968), (171, 35019), (223, 35229), (224, 35235), (228, 35274), (229, 35316), (231, 35328), (233, 35346), (257, 35520), (259, 35529), (260, 35532), (261, 35535), (263, 35547), (266, 35559), (267, 35562), (272, 35577), (289, 35664), (293, 35679), (308, 35823), (310, 35835), (327, 36015), (331, 36033), (343, 36114), (347, 36150), (351, 36171), (354, 36237),

Gene: HyRo_82 Start: 34439, Stop: 37042, Start Num: 36

Candidate Starts for HyRo_82:

(Start: 36 @34439 has 160 MA's), (47, 34508), (48, 34514), (49, 34532), (56, 34568), (83, 34676), (86, 34688), (103, 34853), (104, 34859), (114, 35054), (117, 35075), (119, 35096), (120, 35105), (126, 35162), (128, 35204), (130, 35258), (131, 35303), (139, 35372), (141, 35408), (143, 35435), (145, 35462), (149, 35522), (152, 35555), (153, 35558), (156, 35579), (158, 35606), (162, 35678), (166, 35747), (171, 35798), (223, 36008), (224, 36014), (225, 36020), (228, 36053), (229, 36095), (231, 36107), (233, 36125), (257, 36299), (259, 36308), (260, 36311), (261, 36314), (263, 36326), (266, 36338), (267, 36341), (272, 36356), (289, 36422), (293, 36437), (308, 36581), (310, 36593), (327, 36773), (331, 36791), (343, 36872), (347, 36908), (351, 36929), (354, 36995),

Gene: I3_96 Start: 36210, Stop: 38834, Start Num: 36

Candidate Starts for I3_96:

(Start: 36 @36210 has 160 MA's), (47, 36279), (48, 36285), (49, 36303), (56, 36339), (83, 36447), (86, 36459), (103, 36624), (104, 36630), (114, 36825), (117, 36846), (119, 36867), (120, 36876), (126, 36933), (128, 36975), (130, 37029), (131, 37074), (139, 37143), (141, 37179), (143, 37206), (145, 37233), (149, 37293), (152, 37326), (153, 37329), (157, 37359), (158, 37377), (166, 37518), (171, 37569), (223, 37779), (224, 37785), (225, 37791), (228, 37824), (229, 37866), (231, 37878), (233, 37896), (257, 38070), (259, 38079), (260, 38082), (261, 38085), (263, 38097), (266, 38109), (267, 38112), (272, 38127), (289, 38214), (293, 38229), (308, 38373), (310, 38385), (327, 38565), (331, 38583), (343, 38664), (347, 38700), (351, 38721), (354, 38787),

Gene: IkeLoa_84 Start: 34608, Stop: 37232, Start Num: 36

Candidate Starts for IkeLoa_84:

(Start: 36 @34608 has 160 MA's), (47, 34677), (48, 34683), (49, 34701), (56, 34737), (83, 34845), (86, 34857), (103, 35022), (104, 35028), (114, 35223), (117, 35244), (119, 35265), (120, 35274), (126, 35331), (128, 35373), (130, 35427), (131, 35472), (139, 35541), (141, 35577), (143, 35604), (145, 35631), (149, 35691), (152, 35724), (153, 35727), (157, 35757), (158, 35775), (166, 35916), (171, 35967), (223, 36177), (224, 36183), (225, 36189), (228, 36222), (229, 36264), (231, 36276), (233, 36294), (257, 36468), (259, 36477), (260, 36480), (261, 36483), (263, 36495), (266, 36507), (267, 36510), (272, 36525), (289, 36612), (293, 36627), (308, 36771), (310, 36783), (327, 36963), (331, 36981), (343, 37062), (347, 37098), (351, 37119), (354, 37185),

Gene: InigoMontoya_91 Start: 35209, Stop: 37833, Start Num: 36

Candidate Starts for InigoMontoya_91:

(Start: 36 @35209 has 160 MA's), (47, 35278), (48, 35284), (49, 35302), (56, 35338), (83, 35446), (86, 35458), (103, 35623), (104, 35629), (114, 35824), (117, 35845), (119, 35866), (120, 35875), (126, 35932), (128, 35974), (130, 36028), (131, 36073), (139, 36142), (141, 36178), (143, 36205), (145, 36232), (149, 36292), (152, 36325), (153, 36328), (157, 36358), (158, 36376), (166, 36517), (171, 36568), (223, 36778), (224, 36784), (228, 36823), (229, 36865), (231, 36877), (233, 36895), (257, 37069), (259, 37078), (260, 37081), (261, 37084), (263, 37096), (266, 37108), (267, 37111), (272, 37126), (289, 37213), (293, 37228), (308, 37372), (310, 37384), (327, 37564), (331, 37582), (343, 37663), (347, 37699), (351, 37720), (354, 37786),

Gene: InterFolia_99 Start: 38630, Stop: 41254, Start Num: 36

Candidate Starts for InterFolia_99:

(Start: 36 @38630 has 160 MA's), (47, 38699), (48, 38705), (49, 38723), (56, 38759), (83, 38867), (86, 38879), (103, 39044), (104, 39050), (114, 39245), (117, 39266), (119, 39287), (120, 39296), (126, 39353), (128, 39395), (130, 39449), (131, 39494), (139, 39563), (141, 39599), (143, 39626), (145, 39653), (149, 39713), (152, 39746), (153, 39749), (157, 39779), (158, 39797), (166, 39938), (171, 39989), (223, 40199), (224, 40205), (225, 40211), (228, 40244), (229, 40286), (231, 40298), (233, 40316), (257, 40490), (259, 40499), (260, 40502), (261, 40505), (263, 40517), (266, 40529), (267, 40532), (272, 40547), (289, 40634), (293, 40649), (308, 40793), (310, 40805), (327, 40985), (331, 41003), (343, 41084), (347, 41120), (351, 41141), (354, 41207),

Gene: Iota_84 Start: 34989, Stop: 37613, Start Num: 36

Candidate Starts for Iota_84:

(Start: 36 @34989 has 160 MA's), (47, 35058), (48, 35064), (49, 35082), (56, 35118), (83, 35226), (86, 35238), (103, 35403), (104, 35409), (114, 35604), (117, 35625), (119, 35646), (120, 35655), (126, 35712), (128, 35754), (130, 35808), (131, 35853), (139, 35922), (141, 35958), (143, 35985), (145, 36012), (149, 36072), (152, 36105), (153, 36108), (157, 36138), (158, 36156), (166, 36297), (171, 36348), (223, 36558), (224, 36564), (228, 36603), (229, 36645), (231, 36657), (233, 36675), (257, 36849), (259, 36858), (260, 36861), (261, 36864), (263, 36876), (266, 36888), (267, 36891), (272, 36906), (289, 36993), (293, 37008), (308, 37152), (310, 37164), (327, 37344), (331, 37362), (343, 37443), (347, 37479), (351, 37500), (354, 37566),

Gene: Issimir_89 Start: 36186, Stop: 38810, Start Num: 36

Candidate Starts for Issimir_89:

(Start: 36 @36186 has 160 MA's), (47, 36255), (48, 36261), (49, 36279), (56, 36315), (83, 36423), (86, 36435), (103, 36600), (104, 36606), (114, 36801), (117, 36822), (119, 36843), (120, 36852), (126, 36909), (128, 36951), (130, 37005), (131, 37050), (139, 37119), (141, 37155), (143, 37182), (145, 37209), (149, 37269), (152, 37302), (153, 37305), (157, 37335), (158, 37353), (166, 37494), (171, 37545), (223, 37755), (224, 37761), (228, 37800), (229, 37842), (231, 37854), (233, 37872), (257, 38046), (259, 38055), (260, 38058), (261, 38061), (263, 38073), (266, 38085), (267, 38088), (272, 38103), (289, 38190), (293, 38205), (308, 38349), (310, 38361), (327, 38541), (331, 38559), (343, 38640), (347, 38676), (351, 38697), (354, 38763),

Gene: Izajani_90 Start: 36259, Stop: 38883, Start Num: 36

Candidate Starts for Izajani_90:

(Start: 36 @36259 has 160 MA's), (47, 36328), (48, 36334), (49, 36352), (56, 36388), (83, 36496), (86, 36508), (103, 36673), (104, 36679), (114, 36874), (117, 36895), (119, 36916), (120, 36925), (126, 36982), (128, 37024), (130, 37078), (131, 37123), (139, 37192), (141, 37228), (143, 37255), (145, 37282), (149, 37342), (152, 37375), (153, 37378), (157, 37408), (158, 37426), (166, 37567), (171, 37618), (223, 37828), (224, 37834), (228, 37873), (229, 37915), (231, 37927), (233, 37945), (257, 38119), (259, 38128), (260, 38131), (261, 38134), (263, 38146), (266, 38158), (267, 38161), (272, 38176), (289, 38263), (293, 38278), (308, 38422), (310, 38434), (327, 38614), (331, 38632), (343,

38713), (347, 38749), (351, 38770), (354, 38836),

Gene: JPickles_88 Start: 33675, Stop: 37103, Start Num: 1

Candidate Starts for JPickles_88:

(Start: 1 @33675 has 16 MA's), (Start: 3 @33744 has 1 MA's), (4, 33750), (5, 33768), (9, 33804), (15, 33912), (16, 33924), (20, 34047), (22, 34098), (24, 34152), (25, 34164), (26, 34185), (37, 34479), (44, 34524), (58, 34602), (67, 34638), (75, 34671), (79, 34686), (88, 34731), (90, 34740), (94, 34773), (97, 34809), (103, 34893), (104, 34899), (114, 35094), (117, 35115), (119, 35136), (120, 35145), (126, 35202), (128, 35244), (130, 35298), (131, 35343), (139, 35412), (141, 35448), (143, 35475), (145, 35502), (149, 35562), (152, 35595), (153, 35598), (157, 35628), (158, 35646), (166, 35787), (171, 35838), (223, 36048), (224, 36054), (228, 36093), (229, 36135), (231, 36147), (233, 36165), (257, 36339), (259, 36348), (260, 36351), (261, 36354), (263, 36366), (266, 36378), (267, 36381), (272, 36396), (289, 36483), (293, 36498), (308, 36642), (310, 36654), (327, 36834), (331, 36852), (343, 36933), (347, 36969), (351, 36990), (354, 37056),

Gene: Janiyra_92 Start: 35540, Stop: 38143, Start Num: 36

Candidate Starts for Janiyra_92:

(Start: 36 @35540 has 160 MA's), (47, 35609), (48, 35615), (49, 35633), (56, 35669), (83, 35777), (86, 35789), (103, 35954), (104, 35960), (114, 36155), (117, 36176), (119, 36197), (120, 36206), (126, 36263), (128, 36305), (130, 36359), (131, 36404), (139, 36473), (141, 36509), (143, 36536), (145, 36563), (149, 36623), (152, 36656), (153, 36659), (156, 36680), (158, 36707), (162, 36779), (166, 36848), (171, 36899), (223, 37109), (224, 37115), (225, 37121), (228, 37154), (229, 37196), (231, 37208), (233, 37226), (257, 37400), (259, 37409), (260, 37412), (261, 37415), (263, 37427), (266, 37439), (267, 37442), (272, 37457), (289, 37523), (293, 37538), (308, 37682), (310, 37694), (327, 37874), (331, 37892), (343, 37973), (347, 38009), (351, 38030), (354, 38096),

Gene: JayJay_96 Start: 36812, Stop: 40171, Start Num: 7

Candidate Starts for JayJay_96:

(Start: 2 @36743 has 3 MA's), (Start: 7 @36812 has 1 MA's), (8, 36818), (10, 36836), (12, 36872), (17, 36980), (19, 36992), (21, 37115), (23, 37166), (27, 37220), (28, 37232), (29, 37253), (44, 37547), (50, 37592), (61, 37670), (69, 37706), (75, 37739), (79, 37754), (88, 37799), (90, 37808), (94, 37841), (97, 37877), (103, 37961), (104, 37967), (114, 38162), (117, 38183), (119, 38204), (120, 38213), (126, 38270), (128, 38312), (130, 38366), (131, 38411), (139, 38480), (141, 38516), (143, 38543), (145, 38570), (149, 38630), (152, 38663), (153, 38666), (157, 38696), (158, 38714), (166, 38855), (171, 38906), (223, 39116), (224, 39122), (228, 39161), (229, 39203), (231, 39215), (233, 39233), (257, 39407), (259, 39416), (260, 39419), (261, 39422), (263, 39434), (266, 39446), (267, 39449), (272, 39464), (289, 39551), (293, 39566), (308, 39710), (310, 39722), (327, 39902), (331, 39920), (343, 40001), (347, 40037), (351, 40058), (354, 40124),

Gene: Jaygup_90 Start: 35200, Stop: 38628, Start Num: 1

Candidate Starts for Jaygup_90:

(Start: 1 @35200 has 16 MA's), (Start: 3 @35269 has 1 MA's), (4, 35275), (5, 35293), (9, 35329), (15, 35437), (16, 35449), (20, 35572), (22, 35623), (24, 35677), (25, 35689), (26, 35710), (37, 36004), (44, 36049), (58, 36127), (67, 36163), (75, 36196), (79, 36211), (88, 36256), (90, 36265), (94, 36298), (97, 36334), (103, 36418), (104, 36424), (114, 36619), (117, 36640), (119, 36661), (120, 36670), (126, 36727), (128, 36769), (130, 36823), (131, 36868), (139, 36937), (141, 36973), (143, 37000), (145, 37027), (149, 37087), (152, 37120), (153, 37123), (157, 37153), (158, 37171), (166, 37312), (171, 37363), (223, 37573), (224, 37579), (228, 37618), (229, 37660), (231, 37672), (233, 37690), (257, 37864), (259, 37873), (260, 37876), (261, 37879), (263, 37891), (266, 37903), (267, 37906), (272, 37921), (289, 38008), (293, 38023), (308, 38167), (310, 38179), (327, 38359), (331, 38377), (343, 38458), (347, 38494), (351, 38515), (354, 38581),

Gene: JeanGrey_27 Start: 14251, Stop: 16443, Start Num: 50

Candidate Starts for JeanGrey_27:

(50, 14251), (75, 14386), (84, 14410), (85, 14413), (98, 14503), (102, 14554), (104, 14590), (106, 14638), (109, 14671), (110, 14680), (112, 14740), (115, 14782), (131, 15013), (133, 15025), (136, 15058), (139, 15082), (140, 15085), (149, 15235), (152, 15268), (165, 15457), (166, 15460), (170, 15505), (175, 15574), (222, 15703), (223, 15721), (233, 15838), (234, 15841), (249, 15985), (252, 16000), (281, 16126), (296, 16207), (297, 16210), (317, 16408),

Gene: Jedediah_93 Start: 35700, Stop: 39128, Start Num: 1

Candidate Starts for Jedediah_93:

(Start: 1 @35700 has 16 MA's), (Start: 3 @35769 has 1 MA's), (4, 35775), (5, 35793), (9, 35829), (15, 35937), (16, 35949), (20, 36072), (22, 36123), (24, 36177), (25, 36189), (26, 36210), (37, 36504), (44, 36549), (58, 36627), (67, 36663), (75, 36696), (79, 36711), (88, 36756), (90, 36765), (94, 36798), (97, 36834), (103, 36918), (104, 36924), (114, 37119), (117, 37140), (119, 37161), (120, 37170), (126, 37227), (128, 37269), (130, 37323), (131, 37368), (139, 37437), (141, 37473), (143, 37500), (145, 37527), (149, 37587), (150, 37599), (152, 37620), (153, 37623), (157, 37653), (158, 37671), (166, 37812), (171, 37863), (223, 38073), (224, 38079), (228, 38118), (229, 38160), (231, 38172), (233, 38190), (257, 38364), (259, 38373), (260, 38376), (261, 38379), (263, 38391), (266, 38403), (267, 38406), (272, 38421), (289, 38508), (293, 38523), (308, 38667), (310, 38679), (327, 38859), (331, 38877), (343, 38958), (347, 38994), (351, 39015), (354, 39081),

Gene: Jemmno_90 Start: 35150, Stop: 38578, Start Num: 1

Candidate Starts for Jemmno_90:

(Start: 1 @35150 has 16 MA's), (Start: 3 @35219 has 1 MA's), (4, 35225), (5, 35243), (9, 35279), (15, 35387), (16, 35399), (20, 35522), (22, 35573), (24, 35627), (25, 35639), (26, 35660), (37, 35954), (44, 35999), (58, 36077), (67, 36113), (75, 36146), (79, 36161), (88, 36206), (90, 36215), (94, 36248), (97, 36284), (103, 36368), (104, 36374), (114, 36569), (117, 36590), (119, 36611), (120, 36620), (126, 36677), (128, 36719), (130, 36773), (131, 36818), (139, 36887), (141, 36923), (143, 36950), (145, 36977), (149, 37037), (152, 37070), (153, 37073), (157, 37103), (158, 37121), (166, 37262), (171, 37313), (223, 37523), (224, 37529), (228, 37568), (229, 37610), (231, 37622), (233, 37640), (257, 37814), (259, 37823), (260, 37826), (261, 37829), (263, 37841), (266, 37853), (267, 37856), (272, 37871), (289, 37958), (293, 37973), (308, 38117), (310, 38129), (327, 38309), (331, 38327), (343, 38408), (347, 38444), (351, 38465), (354, 38531),

Gene: Jessibeth14_89 Start: 36028, Stop: 38652, Start Num: 36

Candidate Starts for Jessibeth14_89:

(Start: 36 @36028 has 160 MA's), (47, 36097), (48, 36103), (49, 36121), (56, 36157), (83, 36265), (86, 36277), (103, 36442), (104, 36448), (114, 36643), (117, 36664), (119, 36685), (120, 36694), (126, 36751), (128, 36793), (130, 36847), (131, 36892), (139, 36961), (141, 36997), (143, 37024), (145, 37051), (149, 37111), (152, 37144), (153, 37147), (157, 37177), (158, 37195), (166, 37336), (171, 37387), (223, 37597), (224, 37603), (228, 37642), (229, 37684), (231, 37696), (233, 37714), (257, 37888), (259, 37897), (260, 37900), (261, 37903), (263, 37915), (266, 37927), (267, 37930), (272, 37945), (289, 38032), (293, 38047), (308, 38191), (310, 38203), (327, 38383), (331, 38401), (343, 38482), (347, 38518), (351, 38539), (354, 38605),

Gene: Jezreel_90 Start: 35942, Stop: 38566, Start Num: 36

Candidate Starts for Jezreel_90:

(Start: 36 @35942 has 160 MA's), (47, 36011), (48, 36017), (49, 36035), (56, 36071), (83, 36179), (86, 36191), (103, 36356), (104, 36362), (114, 36557), (117, 36578), (119, 36599), (120, 36608), (126, 36665), (128, 36707), (130, 36761), (131, 36806), (139, 36875), (141, 36911), (143, 36938), (145, 36965), (149, 37025), (152, 37058), (153, 37061), (157, 37091), (158, 37109), (166, 37250), (171, 37301), (223, 37511), (224, 37517), (225, 37523), (228, 37556), (229, 37598), (231, 37610), (233, 37628), (257, 37802), (259, 37811), (260, 37814), (261, 37817), (263, 37829), (266, 37841), (267, 37844), (272, 37859), (289, 37946), (293, 37961), (308, 38105), (310, 38117), (327, 38297), (331,

38315), (343, 38396), (347, 38432), (351, 38453), (354, 38519),

Gene: JigglyPuff_96 Start: 37803, Stop: 40427, Start Num: 36

Candidate Starts for JigglyPuff_96:

(34, 37755), (Start: 36 @37803 has 160 MA's), (47, 37872), (48, 37878), (49, 37896), (56, 37932), (83, 38040), (86, 38052), (103, 38217), (104, 38223), (114, 38418), (117, 38439), (119, 38460), (120, 38469), (126, 38526), (128, 38568), (130, 38622), (131, 38667), (139, 38736), (141, 38772), (143, 38799), (145, 38826), (149, 38886), (152, 38919), (153, 38922), (157, 38952), (158, 38970), (166, 39111), (171, 39162), (223, 39372), (224, 39378), (225, 39384), (228, 39417), (229, 39459), (231, 39471), (233, 39489), (257, 39663), (259, 39672), (260, 39675), (261, 39678), (263, 39690), (266, 39702), (267, 39705), (272, 39720), (289, 39807), (293, 39822), (308, 39966), (310, 39978), (327, 40158), (331, 40176), (343, 40257), (347, 40293), (351, 40314), (354, 40380),

Gene: JulietS_83 Start: 33511, Stop: 36135, Start Num: 36

Candidate Starts for JulietS_83:

(Start: 36 @33511 has 160 MA's), (47, 33580), (48, 33586), (49, 33604), (56, 33640), (83, 33748), (86, 33760), (103, 33925), (104, 33931), (114, 34126), (117, 34147), (119, 34168), (120, 34177), (126, 34234), (128, 34276), (130, 34330), (131, 34375), (139, 34444), (141, 34480), (143, 34507), (145, 34534), (149, 34594), (152, 34627), (153, 34630), (157, 34660), (158, 34678), (166, 34819), (171, 34870), (223, 35080), (224, 35086), (228, 35125), (229, 35167), (231, 35179), (233, 35197), (257, 35371), (259, 35380), (260, 35383), (261, 35386), (263, 35398), (266, 35410), (267, 35413), (272, 35428), (289, 35515), (293, 35530), (308, 35674), (310, 35686), (327, 35866), (331, 35884), (343, 35965), (347, 36001), (351, 36022), (354, 36088),

Gene: JustHall_86 Start: 35178, Stop: 37781, Start Num: 36

Candidate Starts for JustHall_86:

(Start: 36 @35178 has 160 MA's), (47, 35247), (48, 35253), (49, 35271), (56, 35307), (83, 35415), (86, 35427), (103, 35592), (104, 35598), (114, 35793), (117, 35814), (119, 35835), (120, 35844), (126, 35901), (128, 35943), (130, 35997), (131, 36042), (139, 36111), (141, 36147), (143, 36174), (145, 36201), (149, 36261), (152, 36294), (153, 36297), (156, 36318), (158, 36345), (162, 36417), (166, 36486), (171, 36537), (223, 36747), (224, 36753), (225, 36759), (228, 36792), (229, 36834), (231, 36846), (233, 36864), (257, 37038), (259, 37047), (260, 37050), (261, 37053), (263, 37065), (266, 37077), (267, 37080), (272, 37095), (289, 37161), (293, 37176), (308, 37320), (310, 37332), (327, 37512), (331, 37530), (343, 37611), (347, 37647), (351, 37668), (354, 37734),

Gene: Kamryn_90 Start: 36767, Stop: 39391, Start Num: 36

Candidate Starts for Kamryn_90:

(Start: 36 @36767 has 160 MA's), (47, 36836), (48, 36842), (49, 36860), (56, 36896), (83, 37004), (86, 37016), (103, 37181), (104, 37187), (114, 37382), (117, 37403), (119, 37424), (120, 37433), (126, 37490), (128, 37532), (130, 37586), (131, 37631), (139, 37700), (141, 37736), (143, 37763), (145, 37790), (149, 37850), (152, 37883), (153, 37886), (157, 37916), (158, 37934), (166, 38075), (171, 38126), (223, 38336), (224, 38342), (228, 38381), (229, 38423), (231, 38435), (233, 38453), (257, 38627), (259, 38636), (260, 38639), (261, 38642), (263, 38654), (266, 38666), (267, 38669), (272, 38684), (289, 38771), (293, 38786), (308, 38930), (310, 38942), (327, 39122), (331, 39140), (343, 39221), (347, 39257), (351, 39278), (354, 39344),

Gene: Kboogie_93 Start: 34822, Stop: 37425, Start Num: 36

Candidate Starts for Kboogie_93:

(Start: 36 @34822 has 160 MA's), (47, 34891), (48, 34897), (49, 34915), (56, 34951), (83, 35059), (86, 35071), (103, 35236), (104, 35242), (114, 35437), (117, 35458), (119, 35479), (120, 35488), (126, 35545), (128, 35587), (130, 35641), (131, 35686), (139, 35755), (141, 35791), (143, 35818), (145, 35845), (149, 35905), (152, 35938), (153, 35941), (156, 35962), (158, 35989), (162, 36061), (166, 36130), (171, 36181), (223, 36391), (224, 36397), (225, 36403), (228, 36436), (229, 36478), (231,

36490), (233, 36508), (257, 36682), (259, 36691), (260, 36694), (261, 36697), (263, 36709), (266, 36721), (267, 36724), (272, 36739), (289, 36805), (293, 36820), (308, 36964), (310, 36976), (327, 37156), (331, 37174), (343, 37255), (347, 37291), (351, 37312), (354, 37378),

Gene: Khaleesi_89 Start: 35990, Stop: 38614, Start Num: 36

Candidate Starts for Khaleesi_89:

(Start: 36 @35990 has 160 MA's), (47, 36059), (48, 36065), (49, 36083), (56, 36119), (83, 36227), (86, 36239), (103, 36404), (104, 36410), (114, 36605), (117, 36626), (119, 36647), (120, 36656), (126, 36713), (128, 36755), (130, 36809), (131, 36854), (139, 36923), (141, 36959), (143, 36986), (145, 37013), (149, 37073), (152, 37106), (153, 37109), (157, 37139), (158, 37157), (166, 37298), (171, 37349), (223, 37559), (224, 37565), (228, 37604), (229, 37646), (231, 37658), (233, 37676), (257, 37850), (259, 37859), (260, 37862), (261, 37865), (263, 37877), (266, 37889), (267, 37892), (272, 37907), (289, 37994), (293, 38009), (308, 38153), (310, 38165), (327, 38345), (331, 38363), (343, 38444), (347, 38480), (351, 38501), (354, 38567),

Gene: Koguma_86 Start: 33731, Stop: 36355, Start Num: 36

Candidate Starts for Koguma_86:

(Start: 36 @33731 has 160 MA's), (47, 33800), (48, 33806), (49, 33824), (56, 33860), (83, 33968), (86, 33980), (103, 34145), (104, 34151), (114, 34346), (117, 34367), (119, 34388), (120, 34397), (126, 34454), (128, 34496), (130, 34550), (131, 34595), (139, 34664), (141, 34700), (143, 34727), (145, 34754), (149, 34814), (152, 34847), (153, 34850), (157, 34880), (158, 34898), (166, 35039), (171, 35090), (223, 35300), (224, 35306), (228, 35345), (229, 35387), (231, 35399), (233, 35417), (257, 35591), (259, 35600), (260, 35603), (261, 35606), (263, 35618), (266, 35630), (267, 35633), (272, 35648), (289, 35735), (293, 35750), (308, 35894), (310, 35906), (327, 36086), (331, 36104), (343, 36185), (347, 36221), (351, 36242), (354, 36308),

Gene: LRRHood_84 Start: 35550, Stop: 38174, Start Num: 36

Candidate Starts for LRRHood_84:

(Start: 36 @35550 has 160 MA's), (47, 35619), (48, 35625), (49, 35643), (56, 35679), (83, 35787), (86, 35799), (103, 35964), (104, 35970), (114, 36165), (117, 36186), (119, 36207), (120, 36216), (126, 36273), (128, 36315), (130, 36369), (131, 36414), (139, 36483), (141, 36519), (143, 36546), (145, 36573), (149, 36633), (152, 36666), (153, 36669), (157, 36699), (158, 36717), (166, 36858), (171, 36909), (223, 37119), (224, 37125), (228, 37164), (229, 37206), (231, 37218), (233, 37236), (257, 37410), (259, 37419), (260, 37422), (261, 37425), (263, 37437), (266, 37449), (267, 37452), (272, 37467), (289, 37554), (293, 37569), (308, 37713), (310, 37725), (327, 37905), (331, 37923), (343, 38004), (347, 38040), (351, 38061), (354, 38127),

Gene: Labradorite_90 Start: 35327, Stop: 37951, Start Num: 36

Candidate Starts for Labradorite_90:

(Start: 36 @35327 has 160 MA's), (47, 35396), (48, 35402), (49, 35420), (56, 35456), (83, 35564), (86, 35576), (103, 35741), (104, 35747), (114, 35942), (117, 35963), (119, 35984), (120, 35993), (126, 36050), (128, 36092), (130, 36146), (131, 36191), (139, 36260), (141, 36296), (143, 36323), (145, 36350), (149, 36410), (152, 36443), (153, 36446), (157, 36476), (158, 36494), (166, 36635), (171, 36686), (223, 36896), (224, 36902), (225, 36908), (228, 36941), (229, 36983), (231, 36995), (233, 37013), (257, 37187), (259, 37196), (260, 37199), (261, 37202), (263, 37214), (266, 37226), (267, 37229), (272, 37244), (289, 37331), (293, 37346), (308, 37490), (310, 37502), (327, 37682), (331, 37700), (343, 37781), (347, 37817), (351, 37838), (354, 37904),

Gene: Latch_90 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Latch_90:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145,

36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Lee7_88 Start: 35853, Stop: 38477, Start Num: 36

Candidate Starts for Lee7_88:

(Start: 36 @35853 has 160 MA's), (47, 35922), (48, 35928), (49, 35946), (56, 35982), (83, 36090), (86, 36102), (103, 36267), (104, 36273), (114, 36468), (117, 36489), (119, 36510), (120, 36519), (126, 36576), (128, 36618), (130, 36672), (131, 36717), (139, 36786), (141, 36822), (143, 36849), (145, 36876), (149, 36936), (152, 36969), (153, 36972), (157, 37002), (158, 37020), (166, 37161), (171, 37212), (223, 37422), (224, 37428), (228, 37467), (229, 37509), (231, 37521), (233, 37539), (257, 37713), (259, 37722), (260, 37725), (261, 37728), (263, 37740), (266, 37752), (267, 37755), (272, 37770), (289, 37857), (293, 37872), (308, 38016), (310, 38028), (327, 38208), (331, 38226), (343, 38307), (347, 38343), (351, 38364), (354, 38430),

Gene: Lethe_89 Start: 36438, Stop: 39062, Start Num: 36

Candidate Starts for Lethe_89:

(Start: 36 @36438 has 160 MA's), (47, 36507), (48, 36513), (49, 36531), (56, 36567), (83, 36675), (86, 36687), (103, 36852), (104, 36858), (114, 37053), (117, 37074), (119, 37095), (120, 37104), (126, 37161), (128, 37203), (130, 37257), (131, 37302), (139, 37371), (141, 37407), (143, 37434), (145, 37461), (149, 37521), (152, 37554), (153, 37557), (157, 37587), (158, 37605), (166, 37746), (171, 37797), (223, 38007), (224, 38013), (228, 38052), (229, 38094), (231, 38106), (233, 38124), (257, 38298), (259, 38307), (260, 38310), (261, 38313), (263, 38325), (266, 38337), (267, 38340), (272, 38355), (289, 38442), (293, 38457), (308, 38601), (310, 38613), (327, 38793), (331, 38811), (343, 38892), (347, 38928), (351, 38949), (354, 39015),

Gene: LifeSavor_89 Start: 34965, Stop: 38393, Start Num: 1

Candidate Starts for LifeSavor_89:

(Start: 1 @34965 has 16 MA's), (Start: 3 @35034 has 1 MA's), (4, 35040), (5, 35058), (9, 35094), (15, 35202), (16, 35214), (20, 35337), (22, 35388), (24, 35442), (25, 35454), (26, 35475), (37, 35769), (44, 35814), (58, 35892), (67, 35928), (75, 35961), (79, 35976), (88, 36021), (90, 36030), (94, 36063), (97, 36099), (103, 36183), (104, 36189), (114, 36384), (117, 36405), (119, 36426), (120, 36435), (126, 36492), (128, 36534), (130, 36588), (131, 36633), (139, 36702), (141, 36738), (143, 36765), (145, 36792), (149, 36852), (152, 36885), (153, 36888), (157, 36918), (158, 36936), (166, 37077), (171, 37128), (223, 37338), (224, 37344), (228, 37383), (229, 37425), (231, 37437), (233, 37455), (257, 37629), (259, 37638), (260, 37641), (261, 37644), (263, 37656), (266, 37668), (267, 37671), (272, 37686), (289, 37773), (293, 37788), (308, 37932), (310, 37944), (327, 38124), (331, 38142), (343, 38223), (347, 38259), (351, 38280), (354, 38346),

Gene: LinStu_90 Start: 36614, Stop: 39238, Start Num: 36

Candidate Starts for LinStu_90:

(Start: 36 @36614 has 160 MA's), (47, 36683), (48, 36689), (49, 36707), (56, 36743), (83, 36851), (86, 36863), (103, 37028), (104, 37034), (114, 37229), (117, 37250), (119, 37271), (120, 37280), (126, 37337), (128, 37379), (130, 37433), (131, 37478), (139, 37547), (141, 37583), (143, 37610), (145, 37637), (149, 37697), (152, 37730), (153, 37733), (157, 37763), (158, 37781), (166, 37922), (171, 37973), (223, 38183), (224, 38189), (228, 38228), (229, 38270), (231, 38282), (233, 38300), (257, 38474), (259, 38483), (260, 38486), (261, 38489), (263, 38501), (266, 38513), (267, 38516), (272, 38531), (289, 38618), (293, 38633), (308, 38777), (310, 38789), (327, 38969), (331, 38987), (343, 39068), (347, 39104), (351, 39125), (354, 39191),

Gene: Littleton_90 Start: 35203, Stop: 37827, Start Num: 36

Candidate Starts for Littleton_90:

(Start: 36 @35203 has 160 MA's), (47, 35272), (48, 35278), (49, 35296), (56, 35332), (83, 35440), (86, 35452), (103, 35617), (104, 35623), (114, 35818), (117, 35839), (119, 35860), (120, 35869), (126, 35926), (128, 35968), (130, 36022), (131, 36067), (139, 36136), (141, 36172), (143, 36199), (145, 36226), (149, 36286), (150, 36298), (152, 36319), (153, 36322), (157, 36352), (158, 36370), (166, 36511), (171, 36562), (223, 36772), (224, 36778), (228, 36817), (229, 36859), (231, 36871), (233, 36889), (257, 37063), (259, 37072), (260, 37075), (261, 37078), (263, 37090), (266, 37102), (267, 37105), (272, 37120), (289, 37207), (293, 37222), (308, 37366), (310, 37378), (327, 37558), (331, 37576), (343, 37657), (347, 37693), (351, 37714), (354, 37780),

Gene: Loanshark_90 Start: 36243, Stop: 38867, Start Num: 36

Candidate Starts for Loanshark_90:

(Start: 36 @36243 has 160 MA's), (47, 36312), (48, 36318), (49, 36336), (56, 36372), (83, 36480), (86, 36492), (103, 36657), (104, 36663), (114, 36858), (117, 36879), (119, 36900), (120, 36909), (126, 36966), (128, 37008), (130, 37062), (131, 37107), (139, 37176), (141, 37212), (143, 37239), (145, 37266), (149, 37326), (152, 37359), (153, 37362), (157, 37392), (158, 37410), (166, 37551), (171, 37602), (223, 37812), (224, 37818), (228, 37857), (229, 37899), (231, 37911), (233, 37929), (257, 38103), (259, 38112), (260, 38115), (261, 38118), (263, 38130), (266, 38142), (267, 38145), (272, 38160), (289, 38247), (293, 38262), (308, 38406), (310, 38418), (327, 38598), (331, 38616), (343, 38697), (347, 38733), (351, 38754), (354, 38820),

Gene: LolaVinca_92 Start: 37349, Stop: 39973, Start Num: 36

Candidate Starts for LolaVinca_92:

(Start: 36 @37349 has 160 MA's), (47, 37418), (48, 37424), (49, 37442), (56, 37478), (83, 37586), (86, 37598), (103, 37763), (104, 37769), (114, 37964), (117, 37985), (119, 38006), (120, 38015), (126, 38072), (128, 38114), (130, 38168), (131, 38213), (139, 38282), (141, 38318), (143, 38345), (145, 38372), (149, 38432), (150, 38444), (152, 38465), (153, 38468), (157, 38498), (158, 38516), (166, 38657), (171, 38708), (223, 38918), (224, 38924), (228, 38963), (229, 39005), (231, 39017), (233, 39035), (257, 39209), (259, 39218), (260, 39221), (261, 39224), (263, 39236), (266, 39248), (267, 39251), (272, 39266), (289, 39353), (293, 39368), (308, 39512), (310, 39524), (327, 39704), (331, 39722), (343, 39803), (347, 39839), (351, 39860), (354, 39926),

Gene: LookingGlass_91 Start: 36352, Stop: 38976, Start Num: 36

Candidate Starts for LookingGlass_91:

(Start: 36 @36352 has 160 MA's), (47, 36421), (48, 36427), (49, 36445), (56, 36481), (83, 36589), (86, 36601), (103, 36766), (104, 36772), (114, 36967), (117, 36988), (119, 37009), (120, 37018), (126, 37075), (128, 37117), (130, 37171), (131, 37216), (139, 37285), (141, 37321), (143, 37348), (145, 37375), (149, 37435), (152, 37468), (153, 37471), (157, 37501), (158, 37519), (166, 37660), (171, 37711), (223, 37921), (224, 37927), (225, 37933), (228, 37966), (229, 38008), (231, 38020), (233, 38038), (257, 38212), (259, 38221), (260, 38224), (261, 38227), (263, 38239), (266, 38251), (267, 38254), (272, 38269), (289, 38356), (293, 38371), (308, 38515), (310, 38527), (327, 38707), (331, 38725), (343, 38806), (347, 38842), (351, 38863), (354, 38929),

Gene: LordLeafolot_96 Start: 38340, Stop: 40964, Start Num: 36

Candidate Starts for LordLeafolot_96:

(Start: 36 @38340 has 160 MA's), (47, 38409), (48, 38415), (49, 38433), (56, 38469), (83, 38577), (86, 38589), (103, 38754), (104, 38760), (114, 38955), (117, 38976), (119, 38997), (120, 39006), (126, 39063), (128, 39105), (130, 39159), (131, 39204), (139, 39273), (141, 39309), (143, 39336), (145, 39363), (149, 39423), (152, 39456), (153, 39459), (157, 39489), (158, 39507), (166, 39648), (171, 39699), (223, 39909), (224, 39915), (225, 39921), (228, 39954), (229, 39996), (231, 40008), (233, 40026), (257, 40200), (259, 40209), (260, 40212), (261, 40215), (263, 40227), (266, 40239), (267, 40242), (272, 40257), (289, 40344), (293, 40359), (308, 40503), (310, 40515), (327, 40695), (331, 40713), (343, 40794), (347, 40830), (351, 40851), (354, 40917),

Gene: Lukilu_81 Start: 35083, Stop: 37707, Start Num: 36

Candidate Starts for Lukilu_81:

(Start: 36 @35083 has 160 MA's), (47, 35152), (48, 35158), (49, 35176), (56, 35212), (83, 35320), (86, 35332), (103, 35497), (104, 35503), (114, 35698), (117, 35719), (119, 35740), (120, 35749), (126, 35806), (128, 35848), (130, 35902), (131, 35947), (139, 36016), (141, 36052), (143, 36079), (145, 36106), (149, 36166), (152, 36199), (153, 36202), (157, 36232), (158, 36250), (166, 36391), (171, 36442), (223, 36652), (224, 36658), (228, 36697), (229, 36739), (231, 36751), (233, 36769), (257, 36943), (259, 36952), (260, 36955), (261, 36958), (263, 36970), (266, 36982), (267, 36985), (272, 37000), (289, 37087), (293, 37102), (308, 37246), (310, 37258), (327, 37438), (331, 37456), (343, 37537), (347, 37573), (351, 37594), (354, 37660),

Gene: Lunareta_87 Start: 36869, Stop: 39493, Start Num: 36

Candidate Starts for Lunareta_87:

(Start: 36 @36869 has 160 MA's), (47, 36938), (48, 36944), (49, 36962), (56, 36998), (83, 37106), (86, 37118), (103, 37283), (104, 37289), (114, 37484), (117, 37505), (119, 37526), (120, 37535), (126, 37592), (128, 37634), (130, 37688), (131, 37733), (139, 37802), (141, 37838), (143, 37865), (145, 37892), (149, 37952), (152, 37985), (153, 37988), (156, 38009), (158, 38036), (162, 38108), (166, 38177), (171, 38228), (180, 38357), (181, 38360), (223, 38438), (224, 38444), (228, 38483), (229, 38525), (231, 38537), (233, 38555), (257, 38729), (259, 38738), (260, 38741), (261, 38744), (263, 38756), (266, 38768), (267, 38771), (272, 38786), (289, 38873), (293, 38888), (308, 39032), (310, 39044), (327, 39224), (331, 39242), (343, 39323), (347, 39359), (351, 39380), (354, 39446),

Gene: Maby2021_90 Start: 35924, Stop: 38548, Start Num: 36

Candidate Starts for Maby2021_90:

(Start: 36 @35924 has 160 MA's), (47, 35993), (48, 35999), (49, 36017), (56, 36053), (83, 36161), (86, 36173), (103, 36338), (104, 36344), (114, 36539), (117, 36560), (119, 36581), (120, 36590), (126, 36647), (128, 36689), (130, 36743), (131, 36788), (139, 36857), (141, 36893), (143, 36920), (145, 36947), (149, 37007), (152, 37040), (153, 37043), (156, 37064), (158, 37091), (162, 37163), (166, 37232), (171, 37283), (223, 37493), (224, 37499), (228, 37538), (229, 37580), (231, 37592), (233, 37610), (257, 37784), (259, 37793), (260, 37796), (261, 37799), (263, 37811), (266, 37823), (267, 37826), (272, 37841), (289, 37928), (293, 37943), (308, 38087), (310, 38099), (327, 38279), (331, 38297), (343, 38378), (347, 38414), (351, 38435), (354, 38501),

Gene: Mangeria_90 Start: 36205, Stop: 38829, Start Num: 36

Candidate Starts for Mangeria_90:

(Start: 36 @36205 has 160 MA's), (47, 36274), (48, 36280), (49, 36298), (56, 36334), (83, 36442), (86, 36454), (103, 36619), (104, 36625), (114, 36820), (117, 36841), (119, 36862), (120, 36871), (126, 36928), (128, 36970), (130, 37024), (131, 37069), (139, 37138), (141, 37174), (143, 37201), (145, 37228), (149, 37288), (152, 37321), (153, 37324), (157, 37354), (158, 37372), (166, 37513), (171, 37564), (223, 37774), (224, 37780), (228, 37819), (229, 37861), (231, 37873), (233, 37891), (257, 38065), (260, 38077), (261, 38080), (263, 38092), (266, 38104), (267, 38107), (272, 38122), (289, 38209), (293, 38224), (308, 38368), (310, 38380), (327, 38560), (331, 38578), (343, 38659), (347, 38695), (351, 38716), (354, 38782),

Gene: Matsumoto_89 Start: 35164, Stop: 38592, Start Num: 1

Candidate Starts for Matsumoto_89:

(Start: 1 @35164 has 16 MA's), (Start: 3 @35233 has 1 MA's), (4, 35239), (5, 35257), (9, 35293), (15, 35401), (16, 35413), (20, 35536), (22, 35587), (24, 35641), (25, 35653), (26, 35674), (37, 35968), (44, 36013), (58, 36091), (67, 36127), (75, 36160), (79, 36175), (88, 36220), (90, 36229), (94, 36262), (97, 36298), (103, 36382), (104, 36388), (114, 36583), (117, 36604), (119, 36625), (120, 36634), (126, 36691), (128, 36733), (130, 36787), (131, 36832), (139, 36901), (141, 36937), (143, 36964), (145, 36991), (149, 37051), (152, 37084), (153, 37087), (157, 37117), (158, 37135), (166, 37276), (171,

37327), (223, 37537), (224, 37543), (228, 37582), (229, 37624), (231, 37636), (233, 37654), (257, 37828), (259, 37837), (260, 37840), (261, 37843), (263, 37855), (266, 37867), (267, 37870), (272, 37885), (289, 37972), (293, 37987), (308, 38131), (310, 38143), (327, 38323), (331, 38341), (343, 38422), (347, 38458), (351, 38479), (354, 38545),

Gene: Maturis_88 Start: 36365, Stop: 38989, Start Num: 36

Candidate Starts for Maturis_88:

(Start: 36 @36365 has 160 MA's), (47, 36434), (48, 36440), (49, 36458), (56, 36494), (83, 36602), (86, 36614), (103, 36779), (104, 36785), (114, 36980), (117, 37001), (119, 37022), (120, 37031), (126, 37088), (128, 37130), (130, 37184), (131, 37229), (139, 37298), (141, 37334), (143, 37361), (145, 37388), (149, 37448), (152, 37481), (153, 37484), (157, 37514), (158, 37532), (166, 37673), (171, 37724), (223, 37934), (224, 37940), (228, 37979), (229, 38021), (231, 38033), (233, 38051), (257, 38225), (259, 38234), (260, 38237), (261, 38240), (263, 38252), (266, 38264), (267, 38267), (272, 38282), (289, 38369), (293, 38384), (308, 38528), (310, 38540), (327, 38720), (331, 38738), (343, 38819), (347, 38855), (351, 38876), (354, 38942),

Gene: McGee_91 Start: 34432, Stop: 37056, Start Num: 36

Candidate Starts for McGee_91:

(Start: 36 @34432 has 160 MA's), (47, 34501), (48, 34507), (49, 34525), (56, 34561), (83, 34669), (86, 34681), (103, 34846), (104, 34852), (114, 35047), (117, 35068), (119, 35089), (120, 35098), (126, 35155), (128, 35197), (130, 35251), (131, 35296), (139, 35365), (141, 35401), (143, 35428), (145, 35455), (149, 35515), (152, 35548), (153, 35551), (157, 35581), (158, 35599), (166, 35740), (171, 35791), (223, 36001), (224, 36007), (228, 36046), (229, 36088), (231, 36100), (233, 36118), (257, 36292), (259, 36301), (260, 36304), (261, 36307), (263, 36319), (266, 36331), (267, 36334), (272, 36349), (289, 36436), (293, 36451), (308, 36595), (310, 36607), (327, 36787), (331, 36805), (343, 36886), (347, 36922), (351, 36943), (354, 37009),

Gene: McWolfish_88 Start: 35671, Stop: 38274, Start Num: 36

Candidate Starts for McWolfish_88:

(Start: 36 @35671 has 160 MA's), (47, 35740), (48, 35746), (49, 35764), (56, 35800), (83, 35908), (86, 35920), (103, 36085), (104, 36091), (114, 36286), (117, 36307), (119, 36328), (120, 36337), (126, 36394), (128, 36436), (130, 36490), (131, 36535), (139, 36604), (141, 36640), (143, 36667), (145, 36694), (149, 36754), (152, 36787), (153, 36790), (156, 36811), (158, 36838), (162, 36910), (166, 36979), (171, 37030), (223, 37240), (224, 37246), (228, 37285), (229, 37327), (231, 37339), (233, 37357), (257, 37531), (259, 37540), (260, 37543), (261, 37546), (263, 37558), (266, 37570), (267, 37573), (272, 37588), (289, 37654), (293, 37669), (308, 37813), (310, 37825), (327, 38005), (331, 38023), (343, 38104), (347, 38140), (351, 38161), (354, 38227),

Gene: Megamind_89 Start: 35909, Stop: 38533, Start Num: 36

Candidate Starts for Megamind_89:

(Start: 36 @35909 has 160 MA's), (47, 35978), (48, 35984), (49, 36002), (56, 36038), (83, 36146), (86, 36158), (103, 36323), (104, 36329), (114, 36524), (117, 36545), (119, 36566), (120, 36575), (126, 36632), (128, 36674), (130, 36728), (131, 36773), (139, 36842), (141, 36878), (143, 36905), (145, 36932), (149, 36992), (152, 37025), (153, 37028), (157, 37058), (158, 37076), (166, 37217), (171, 37268), (223, 37478), (224, 37484), (228, 37523), (229, 37565), (231, 37577), (233, 37595), (257, 37769), (259, 37778), (260, 37781), (261, 37784), (263, 37796), (266, 37808), (267, 37811), (272, 37826), (289, 37913), (293, 37928), (308, 38072), (310, 38084), (327, 38264), (331, 38282), (343, 38363), (347, 38399), (351, 38420), (354, 38486),

Gene: Melpomini_84 Start: 33455, Stop: 36058, Start Num: 36

Candidate Starts for Melpomini_84:

(Start: 36 @33455 has 160 MA's), (47, 33524), (48, 33530), (49, 33548), (56, 33584), (83, 33692), (86, 33704), (103, 33869), (104, 33875), (114, 34070), (117, 34091), (119, 34112), (120, 34121), (126,

34178), (128, 34220), (130, 34274), (131, 34319), (139, 34388), (141, 34424), (143, 34451), (145, 34478), (149, 34538), (152, 34571), (153, 34574), (156, 34595), (158, 34622), (162, 34694), (166, 34763), (171, 34814), (223, 35024), (224, 35030), (225, 35036), (228, 35069), (229, 35111), (231, 35123), (233, 35141), (257, 35315), (259, 35324), (260, 35327), (261, 35330), (263, 35342), (266, 35354), (267, 35357), (272, 35372), (289, 35438), (293, 35453), (308, 35597), (310, 35609), (327, 35789), (331, 35807), (343, 35888), (347, 35924), (351, 35945), (354, 36011),

Gene: MikeLiesIn_91 Start: 36256, Stop: 38880, Start Num: 36

Candidate Starts for MikeLiesIn_91:

(Start: 36 @36256 has 160 MA's), (47, 36325), (48, 36331), (49, 36349), (56, 36385), (83, 36493), (86, 36505), (103, 36670), (104, 36676), (114, 36871), (117, 36892), (119, 36913), (120, 36922), (126, 36979), (128, 37021), (130, 37075), (131, 37120), (139, 37189), (141, 37225), (143, 37252), (145, 37279), (149, 37339), (152, 37372), (153, 37375), (157, 37405), (158, 37423), (166, 37564), (171, 37615), (223, 37825), (224, 37831), (228, 37870), (229, 37912), (231, 37924), (233, 37942), (257, 38116), (259, 38125), (260, 38128), (261, 38131), (263, 38143), (266, 38155), (267, 38158), (272, 38173), (289, 38260), (293, 38275), (308, 38419), (310, 38431), (327, 38611), (331, 38629), (343, 38710), (347, 38746), (351, 38767), (354, 38833),

Gene: Mikro_88 Start: 37167, Stop: 39791, Start Num: 36

Candidate Starts for Mikro_88:

(Start: 36 @37167 has 160 MA's), (47, 37236), (48, 37242), (49, 37260), (56, 37296), (83, 37404), (86, 37416), (103, 37581), (104, 37587), (114, 37782), (117, 37803), (119, 37824), (120, 37833), (126, 37890), (128, 37932), (130, 37986), (131, 38031), (139, 38100), (141, 38136), (143, 38163), (145, 38190), (149, 38250), (152, 38283), (153, 38286), (157, 38316), (158, 38334), (166, 38475), (171, 38526), (223, 38736), (224, 38742), (225, 38748), (228, 38781), (229, 38823), (231, 38835), (233, 38853), (257, 39027), (259, 39036), (260, 39039), (261, 39042), (263, 39054), (266, 39066), (267, 39069), (272, 39084), (289, 39171), (293, 39186), (308, 39330), (310, 39342), (327, 39522), (331, 39540), (343, 39621), (347, 39657), (351, 39678), (354, 39744),

Gene: MoMoMixon_91 Start: 36002, Stop: 38605, Start Num: 36

Candidate Starts for MoMoMixon_91:

(Start: 36 @36002 has 160 MA's), (47, 36071), (48, 36077), (49, 36095), (56, 36131), (83, 36239), (86, 36251), (103, 36416), (104, 36422), (114, 36617), (117, 36638), (119, 36659), (120, 36668), (126, 36725), (128, 36767), (130, 36821), (131, 36866), (139, 36935), (141, 36971), (143, 36998), (145, 37025), (149, 37085), (152, 37118), (153, 37121), (157, 37151), (158, 37169), (166, 37310), (171, 37361), (223, 37571), (224, 37577), (228, 37616), (229, 37658), (231, 37670), (233, 37688), (257, 37862), (259, 37871), (260, 37874), (261, 37877), (263, 37889), (266, 37901), (267, 37904), (272, 37919), (289, 37985), (293, 38000), (308, 38144), (310, 38156), (327, 38336), (331, 38354), (343, 38435), (347, 38471), (351, 38492), (354, 38558),

Gene: Moby_81 Start: 31530, Stop: 34133, Start Num: 36

Candidate Starts for Moby_81:

(Start: 36 @31530 has 160 MA's), (47, 31599), (48, 31605), (49, 31623), (56, 31659), (83, 31767), (86, 31779), (103, 31944), (104, 31950), (114, 32145), (117, 32166), (119, 32187), (120, 32196), (126, 32253), (128, 32295), (130, 32349), (131, 32394), (139, 32463), (141, 32499), (143, 32526), (145, 32553), (149, 32613), (152, 32646), (153, 32649), (156, 32670), (158, 32697), (162, 32769), (166, 32838), (171, 32889), (223, 33099), (224, 33105), (225, 33111), (228, 33144), (229, 33186), (231, 33198), (233, 33216), (257, 33390), (259, 33399), (260, 33402), (261, 33405), (263, 33417), (266, 33429), (267, 33432), (272, 33447), (289, 33513), (293, 33528), (308, 33672), (310, 33684), (327, 33864), (331, 33882), (343, 33963), (347, 33999), (351, 34020), (354, 34086),

Gene: Moiqah_81 Start: 31530, Stop: 34133, Start Num: 36

Candidate Starts for Moiqah_81:

(Start: 36 @31530 has 160 MA's), (47, 31599), (48, 31605), (49, 31623), (56, 31659), (83, 31767), (86, 31779), (103, 31944), (104, 31950), (114, 32145), (117, 32166), (119, 32187), (120, 32196), (126, 32253), (128, 32295), (130, 32349), (131, 32394), (139, 32463), (141, 32499), (143, 32526), (145, 32553), (149, 32613), (152, 32646), (153, 32649), (156, 32670), (158, 32697), (162, 32769), (166, 32838), (171, 32889), (223, 33099), (224, 33105), (225, 33111), (228, 33144), (229, 33186), (231, 33198), (233, 33216), (257, 33390), (259, 33399), (260, 33402), (261, 33405), (263, 33417), (266, 33429), (267, 33432), (272, 33447), (289, 33513), (293, 33528), (308, 33672), (310, 33684), (327, 33864), (331, 33882), (343, 33963), (347, 33999), (351, 34020), (354, 34086),

Gene: Momo_89 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Momo_89:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Montpel_87 Start: 36869, Stop: 39493, Start Num: 36

Candidate Starts for Montpel_87:

(Start: 36 @36869 has 160 MA's), (47, 36938), (48, 36944), (49, 36962), (56, 36998), (83, 37106), (86, 37118), (103, 37283), (104, 37289), (114, 37484), (117, 37505), (119, 37526), (120, 37535), (126, 37592), (128, 37634), (130, 37688), (131, 37733), (139, 37802), (141, 37838), (143, 37865), (145, 37892), (149, 37952), (152, 37985), (153, 37988), (156, 38009), (158, 38036), (162, 38108), (166, 38177), (171, 38228), (180, 38357), (181, 38360), (223, 38438), (224, 38444), (228, 38483), (229, 38525), (231, 38537), (233, 38555), (257, 38729), (259, 38738), (260, 38741), (261, 38744), (263, 38756), (266, 38768), (267, 38771), (272, 38786), (289, 38873), (293, 38888), (308, 39032), (310, 39044), (327, 39224), (331, 39242), (343, 39323), (347, 39359), (351, 39380), (354, 39446),

Gene: Morizzled23_90 Start: 34975, Stop: 37578, Start Num: 36

Candidate Starts for Morizzled23_90:

(Start: 36 @34975 has 160 MA's), (47, 35044), (48, 35050), (49, 35068), (56, 35104), (83, 35212), (86, 35224), (103, 35389), (104, 35395), (114, 35590), (117, 35611), (119, 35632), (120, 35641), (126, 35698), (128, 35740), (130, 35794), (131, 35839), (139, 35908), (141, 35944), (143, 35971), (145, 35998), (149, 36058), (152, 36091), (153, 36094), (156, 36115), (158, 36142), (162, 36214), (166, 36283), (171, 36334), (223, 36544), (224, 36550), (225, 36556), (228, 36589), (229, 36631), (231, 36643), (233, 36661), (257, 36835), (259, 36844), (260, 36847), (261, 36850), (263, 36862), (266, 36874), (267, 36877), (272, 36892), (289, 36958), (293, 36973), (308, 37117), (310, 37129), (327, 37309), (331, 37327), (343, 37408), (347, 37444), (351, 37465), (354, 37531),

Gene: Myrna_89 Start: 37944, Stop: 40463, Start Num: 43

Candidate Starts for Myrna_89:

(Start: 43 @37944 has 3 MA's), (46, 37947), (57, 38004), (64, 38040), (66, 38049), (71, 38070), (75, 38088), (78, 38097), (83, 38118), (86, 38130), (87, 38139), (101, 38256), (104, 38301), (106, 38349), (114, 38496), (117, 38517), (119, 38538), (120, 38547), (121, 38559), (122, 38562), (124, 38586), (131, 38745), (139, 38814), (141, 38850), (153, 39000), (157, 39030), (158, 39048), (165, 39186), (166, 39189), (167, 39192), (173, 39288), (174, 39294), (179, 39357), (182, 39381), (223, 39450), (224, 39456), (225, 39462), (227, 39477), (228, 39495), (231, 39549), (233, 39567), (253, 39729), (257, 39741), (260, 39753), (266, 39780), (272, 39798), (273, 39804), (284, 39864), (287, 39894), (305, 40056), (310, 40080), (329, 40218), (331, 40233), (336, 40260), (341, 40284), (356, 40437),

Gene: Naija_89 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Naija_89:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Napoleon13_86 Start: 34051, Stop: 36675, Start Num: 36

Candidate Starts for Napoleon13_86:

(Start: 36 @34051 has 160 MA's), (47, 34120), (48, 34126), (49, 34144), (56, 34180), (83, 34288), (86, 34300), (103, 34465), (104, 34471), (114, 34666), (117, 34687), (119, 34708), (120, 34717), (126, 34774), (128, 34816), (130, 34870), (131, 34915), (139, 34984), (141, 35020), (143, 35047), (145, 35074), (149, 35134), (152, 35167), (153, 35170), (156, 35191), (158, 35218), (162, 35290), (166, 35359), (171, 35410), (223, 35620), (224, 35626), (228, 35665), (229, 35707), (231, 35719), (233, 35737), (257, 35911), (259, 35920), (260, 35923), (261, 35926), (263, 35938), (266, 35950), (267, 35953), (272, 35968), (289, 36055), (293, 36070), (308, 36214), (310, 36226), (327, 36406), (331, 36424), (343, 36505), (347, 36541), (351, 36562), (354, 36628),

Gene: Nappy_92 Start: 36807, Stop: 39431, Start Num: 36

Candidate Starts for Nappy_92:

(Start: 36 @36807 has 160 MA's), (47, 36876), (48, 36882), (49, 36900), (56, 36936), (83, 37044), (86, 37056), (103, 37221), (104, 37227), (114, 37422), (117, 37443), (119, 37464), (120, 37473), (126, 37530), (128, 37572), (130, 37626), (131, 37671), (139, 37740), (141, 37776), (143, 37803), (145, 37830), (149, 37890), (152, 37923), (153, 37926), (157, 37956), (158, 37974), (166, 38115), (171, 38166), (223, 38376), (224, 38382), (225, 38388), (228, 38421), (229, 38463), (231, 38475), (233, 38493), (257, 38667), (259, 38676), (260, 38679), (261, 38682), (263, 38694), (266, 38706), (267, 38709), (272, 38724), (289, 38811), (293, 38826), (308, 38970), (310, 38982), (327, 39162), (331, 39180), (343, 39261), (347, 39297), (351, 39318), (354, 39384),

Gene: Naval22_95 Start: 37847, Stop: 40471, Start Num: 36

Candidate Starts for Naval22_95:

(Start: 36 @37847 has 160 MA's), (47, 37916), (48, 37922), (49, 37940), (56, 37976), (83, 38084), (86, 38096), (103, 38261), (104, 38267), (114, 38462), (117, 38483), (119, 38504), (120, 38513), (126, 38570), (128, 38612), (130, 38666), (131, 38711), (139, 38780), (141, 38816), (143, 38843), (145, 38870), (149, 38930), (152, 38963), (153, 38966), (157, 38996), (158, 39014), (166, 39155), (171, 39206), (223, 39416), (224, 39422), (228, 39461), (229, 39503), (231, 39515), (233, 39533), (257, 39707), (259, 39716), (260, 39719), (261, 39722), (263, 39734), (266, 39746), (267, 39749), (272, 39764), (289, 39851), (293, 39866), (308, 40010), (310, 40022), (327, 40202), (331, 40220), (343, 40301), (347, 40337), (351, 40358), (354, 40424),

Gene: NedWong_91 Start: 36243, Stop: 38867, Start Num: 36

Candidate Starts for NedWong_91:

(Start: 36 @36243 has 160 MA's), (47, 36312), (48, 36318), (49, 36336), (56, 36372), (83, 36480), (86, 36492), (103, 36657), (104, 36663), (114, 36858), (117, 36879), (119, 36900), (120, 36909), (126, 36966), (128, 37008), (130, 37062), (131, 37107), (139, 37176), (141, 37212), (143, 37239), (145, 37266), (149, 37326), (152, 37359), (153, 37362), (157, 37392), (158, 37410), (166, 37551), (171, 37602), (223, 37812), (224, 37818), (228, 37857), (229, 37899), (231, 37911), (233, 37929), (257, 38103), (259, 38112), (260, 38115), (261, 38118), (263, 38130), (266, 38142), (267, 38145), (272, 38160), (289, 38247), (293, 38262), (308, 38406), (310, 38418), (327, 38598), (331, 38616), (343,

38697), (347, 38733), (351, 38754), (354, 38820),

Gene: Ngannou_86 Start: 34230, Stop: 36854, Start Num: 36

Candidate Starts for Ngannou_86:

(Start: 36 @34230 has 160 MA's), (47, 34299), (48, 34305), (49, 34323), (56, 34359), (83, 34467), (86, 34479), (103, 34644), (104, 34650), (114, 34845), (117, 34866), (119, 34887), (120, 34896), (126, 34953), (128, 34995), (130, 35049), (131, 35094), (139, 35163), (141, 35199), (143, 35226), (145, 35253), (149, 35313), (152, 35346), (153, 35349), (157, 35379), (158, 35397), (166, 35538), (171, 35589), (223, 35799), (224, 35805), (228, 35844), (229, 35886), (231, 35898), (233, 35916), (257, 36090), (259, 36099), (260, 36102), (261, 36105), (263, 36117), (266, 36129), (267, 36132), (272, 36147), (289, 36234), (293, 36249), (308, 36393), (310, 36405), (327, 36585), (331, 36603), (343, 36684), (347, 36720), (351, 36741), (354, 36807),

Gene: Nidhogg_91 Start: 36097, Stop: 38721, Start Num: 36

Candidate Starts for Nidhogg_91:

(Start: 36 @36097 has 160 MA's), (47, 36166), (48, 36172), (49, 36190), (56, 36226), (83, 36334), (86, 36346), (103, 36511), (104, 36517), (114, 36712), (117, 36733), (119, 36754), (120, 36763), (126, 36820), (128, 36862), (130, 36916), (131, 36961), (139, 37030), (141, 37066), (143, 37093), (145, 37120), (149, 37180), (152, 37213), (153, 37216), (156, 37237), (158, 37264), (162, 37336), (166, 37405), (171, 37456), (223, 37666), (224, 37672), (228, 37711), (229, 37753), (231, 37765), (233, 37783), (257, 37957), (259, 37966), (260, 37969), (261, 37972), (263, 37984), (266, 37996), (267, 37999), (272, 38014), (289, 38101), (293, 38116), (308, 38260), (310, 38272), (327, 38452), (331, 38470), (343, 38551), (347, 38587), (351, 38608), (354, 38674),

Gene: NoodleTree_98 Start: 37274, Stop: 39898, Start Num: 36

Candidate Starts for NoodleTree_98:

(Start: 36 @37274 has 160 MA's), (47, 37343), (48, 37349), (49, 37367), (56, 37403), (83, 37511), (86, 37523), (103, 37688), (104, 37694), (114, 37889), (117, 37910), (119, 37931), (120, 37940), (126, 37997), (128, 38039), (130, 38093), (131, 38138), (139, 38207), (141, 38243), (143, 38270), (145, 38297), (149, 38357), (152, 38390), (153, 38393), (157, 38423), (158, 38441), (166, 38582), (171, 38633), (223, 38843), (224, 38849), (225, 38855), (228, 38888), (229, 38930), (231, 38942), (233, 38960), (257, 39134), (259, 39143), (260, 39146), (261, 39149), (263, 39161), (266, 39173), (267, 39176), (272, 39191), (289, 39278), (293, 39293), (308, 39437), (310, 39449), (327, 39629), (331, 39647), (343, 39728), (347, 39764), (351, 39785), (354, 39851),

Gene: Norm_91 Start: 36245, Stop: 38869, Start Num: 36

Candidate Starts for Norm_91:

(Start: 36 @36245 has 160 MA's), (47, 36314), (48, 36320), (49, 36338), (56, 36374), (83, 36482), (86, 36494), (103, 36659), (104, 36665), (114, 36860), (117, 36881), (119, 36902), (120, 36911), (126, 36968), (128, 37010), (130, 37064), (131, 37109), (139, 37178), (141, 37214), (143, 37241), (145, 37268), (149, 37328), (152, 37361), (153, 37364), (157, 37394), (158, 37412), (166, 37553), (171, 37604), (223, 37814), (224, 37820), (228, 37859), (229, 37901), (231, 37913), (233, 37931), (257, 38105), (259, 38114), (260, 38117), (261, 38120), (263, 38132), (266, 38144), (267, 38147), (272, 38162), (289, 38249), (293, 38264), (308, 38408), (310, 38420), (327, 38600), (331, 38618), (343, 38699), (347, 38735), (351, 38756), (354, 38822),

Gene: NuevoMundo_96 Start: 38204, Stop: 40828, Start Num: 36

Candidate Starts for NuevoMundo_96:

(Start: 36 @38204 has 160 MA's), (47, 38273), (48, 38279), (49, 38297), (56, 38333), (83, 38441), (86, 38453), (103, 38618), (104, 38624), (114, 38819), (117, 38840), (119, 38861), (120, 38870), (126, 38927), (128, 38969), (130, 39023), (131, 39068), (139, 39137), (141, 39173), (143, 39200), (145, 39227), (149, 39287), (152, 39320), (153, 39323), (157, 39353), (158, 39371), (166, 39512), (171, 39563), (223, 39773), (224, 39779), (225, 39785), (228, 39818), (229, 39860), (231, 39872), (233,

39890), (257, 40064), (259, 40073), (260, 40076), (261, 40079), (263, 40091), (266, 40103), (267, 40106), (272, 40121), (289, 40208), (293, 40223), (308, 40367), (310, 40379), (327, 40559), (331, 40577), (343, 40658), (347, 40694), (351, 40715), (354, 40781),

Gene: OrediggerDelux_88 Start: 36242, Stop: 38866, Start Num: 36

Candidate Starts for OrediggerDelux_88:

(Start: 36 @36242 has 160 MA's), (47, 36311), (48, 36317), (49, 36335), (56, 36371), (83, 36479), (86, 36491), (103, 36656), (104, 36662), (114, 36857), (117, 36878), (119, 36899), (120, 36908), (126, 36965), (128, 37007), (130, 37061), (131, 37106), (139, 37175), (141, 37211), (143, 37238), (145, 37265), (149, 37325), (152, 37358), (153, 37361), (157, 37391), (158, 37409), (166, 37550), (171, 37601), (223, 37811), (224, 37817), (228, 37856), (229, 37898), (231, 37910), (233, 37928), (257, 38102), (259, 38111), (260, 38114), (261, 38117), (263, 38129), (266, 38141), (267, 38144), (272, 38159), (289, 38246), (293, 38261), (308, 38405), (310, 38417), (327, 38597), (331, 38615), (343, 38696), (347, 38732), (351, 38753), (354, 38819),

Gene: ParkTD_91 Start: 36239, Stop: 38863, Start Num: 36

Candidate Starts for ParkTD_91:

(Start: 36 @36239 has 160 MA's), (47, 36308), (48, 36314), (49, 36332), (56, 36368), (83, 36476), (86, 36488), (103, 36653), (104, 36659), (114, 36854), (117, 36875), (119, 36896), (120, 36905), (126, 36962), (128, 37004), (130, 37058), (131, 37103), (139, 37172), (141, 37208), (143, 37235), (145, 37262), (149, 37322), (152, 37355), (153, 37358), (157, 37388), (158, 37406), (166, 37547), (171, 37598), (223, 37808), (224, 37814), (228, 37853), (229, 37895), (231, 37907), (233, 37925), (257, 38099), (259, 38108), (260, 38111), (261, 38114), (263, 38126), (266, 38138), (267, 38141), (272, 38156), (289, 38243), (293, 38258), (308, 38402), (310, 38414), (327, 38594), (331, 38612), (343, 38693), (347, 38729), (351, 38750), (354, 38816),

Gene: Patter_90 Start: 35265, Stop: 37889, Start Num: 36

Candidate Starts for Patter_90:

(Start: 36 @35265 has 160 MA's), (47, 35334), (48, 35340), (49, 35358), (56, 35394), (83, 35502), (86, 35514), (103, 35679), (104, 35685), (114, 35880), (117, 35901), (119, 35922), (120, 35931), (126, 35988), (128, 36030), (130, 36084), (131, 36129), (139, 36198), (141, 36234), (143, 36261), (145, 36288), (149, 36348), (152, 36381), (153, 36384), (157, 36414), (158, 36432), (166, 36573), (171, 36624), (223, 36834), (224, 36840), (228, 36879), (229, 36921), (231, 36933), (233, 36951), (257, 37125), (259, 37134), (260, 37137), (261, 37140), (263, 37152), (266, 37164), (267, 37167), (272, 37182), (289, 37269), (293, 37284), (308, 37428), (310, 37440), (327, 37620), (331, 37638), (343, 37719), (347, 37755), (351, 37776), (354, 37842),

Gene: Phabba_94 Start: 37026, Stop: 39536, Start Num: 43

Candidate Starts for Phabba_94:

(Start: 43 @37026 has 3 MA's), (46, 37032), (52, 37071), (57, 37089), (66, 37134), (71, 37155), (75, 37173), (78, 37182), (83, 37203), (86, 37215), (87, 37224), (101, 37341), (104, 37386), (106, 37434), (114, 37581), (117, 37602), (119, 37623), (120, 37632), (121, 37644), (122, 37647), (124, 37671), (139, 37899), (141, 37935), (153, 38085), (157, 38115), (158, 38133), (165, 38271), (166, 38274), (167, 38277), (173, 38373), (174, 38379), (179, 38442), (181, 38457), (223, 38535), (224, 38541), (225, 38547), (227, 38562), (228, 38580), (231, 38634), (233, 38652), (246, 38781), (253, 38814), (257, 38826), (260, 38838), (266, 38865), (272, 38883), (329, 39291), (336, 39333), (352, 39477), (356, 39510),

Gene: PharkleMinkus_95 Start: 37692, Stop: 40316, Start Num: 36

Candidate Starts for PharkleMinkus_95:

(Start: 36 @37692 has 160 MA's), (47, 37761), (48, 37767), (49, 37785), (56, 37821), (83, 37929), (86, 37941), (103, 38106), (104, 38112), (114, 38307), (117, 38328), (119, 38349), (120, 38358), (126, 38415), (128, 38457), (130, 38511), (131, 38556), (139, 38625), (141, 38661), (143, 38688), (145,

38715), (149, 38775), (152, 38808), (153, 38811), (157, 38841), (158, 38859), (166, 39000), (171, 39051), (223, 39261), (224, 39267), (225, 39273), (228, 39306), (229, 39348), (231, 39360), (233, 39378), (257, 39552), (259, 39561), (260, 39564), (261, 39567), (263, 39579), (266, 39591), (267, 39594), (272, 39609), (289, 39696), (293, 39711), (308, 39855), (310, 39867), (327, 40047), (331, 40065), (343, 40146), (347, 40182), (351, 40203), (354, 40269),

Gene: Phlegm_92 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Phlegm_92:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Phox_87 Start: 36133, Stop: 38736, Start Num: 36

Candidate Starts for Phox_87:

(Start: 36 @36133 has 160 MA's), (47, 36202), (48, 36208), (49, 36226), (56, 36262), (83, 36370), (86, 36382), (103, 36547), (104, 36553), (114, 36748), (117, 36769), (119, 36790), (120, 36799), (126, 36856), (128, 36898), (130, 36952), (131, 36997), (139, 37066), (141, 37102), (143, 37129), (145, 37156), (149, 37216), (152, 37249), (153, 37252), (156, 37273), (158, 37300), (162, 37372), (166, 37441), (171, 37492), (223, 37702), (224, 37708), (225, 37714), (228, 37747), (229, 37789), (231, 37801), (233, 37819), (257, 37993), (259, 38002), (260, 38005), (261, 38008), (263, 38020), (266, 38032), (267, 38035), (272, 38050), (289, 38116), (293, 38131), (308, 38275), (310, 38287), (327, 38467), (331, 38485), (343, 38566), (347, 38602), (351, 38623), (354, 38689),

Gene: Phrappuccino_46 Start: 26549, Stop: 28942, Start Num: 39

Candidate Starts for Phrappuccino_46:

(Start: 39 @26549 has 2 MA's), (51, 26636), (54, 26660), (59, 26681), (62, 26708), (65, 26717), (72, 26759), (74, 26771), (78, 26786), (86, 26828), (87, 26837), (93, 26873), (99, 26918), (100, 26930), (101, 26954), (106, 27047), (116, 27200), (119, 27233), (120, 27242), (121, 27254), (137, 27473), (140, 27497), (141, 27530), (144, 27560), (145, 27584), (146, 27614), (149, 27644), (151, 27659), (154, 27689), (158, 27728), (160, 27764), (161, 27773), (163, 27860), (166, 27875), (176, 27998), (179, 28043), (225, 28148), (227, 28163), (229, 28223), (230, 28232), (232, 28250), (233, 28253), (236, 28268), (240, 28313), (242, 28331), (244, 28358), (247, 28388), (250, 28409), (251, 28412), (259, 28433), (265, 28457), (268, 28466), (271, 28475), (277, 28511), (285, 28535), (288, 28568), (291, 28580), (306, 28718), (309, 28733), (315, 28796), (319, 28805), (328, 28892), (335, 28928),

Gene: Phusco_90 Start: 36013, Stop: 38637, Start Num: 36

Candidate Starts for Phusco_90:

(Start: 36 @36013 has 160 MA's), (47, 36082), (48, 36088), (49, 36106), (56, 36142), (83, 36250), (86, 36262), (103, 36427), (104, 36433), (114, 36628), (117, 36649), (119, 36670), (120, 36679), (126, 36736), (128, 36778), (130, 36832), (131, 36877), (139, 36946), (141, 36982), (143, 37009), (145, 37036), (149, 37096), (152, 37129), (153, 37132), (157, 37162), (158, 37180), (166, 37321), (171, 37372), (223, 37582), (224, 37588), (228, 37627), (229, 37669), (231, 37681), (233, 37699), (257, 37873), (259, 37882), (260, 37885), (261, 37888), (263, 37900), (266, 37912), (267, 37915), (272, 37930), (289, 38017), (293, 38032), (308, 38176), (310, 38188), (327, 38368), (331, 38386), (343, 38467), (347, 38503), (351, 38524), (354, 38590),

Gene: Pier_94 Start: 36440, Stop: 39868, Start Num: 2

Candidate Starts for Pier_94:

(Start: 2 @36440 has 3 MA's), (Start: 7 @36509 has 1 MA's), (8, 36515), (10, 36533), (12, 36569), (17, 36677), (19, 36689), (21, 36812), (23, 36863), (27, 36917), (28, 36929), (29, 36950), (44, 37244), (50, 37289), (61, 37367), (69, 37403), (75, 37436), (79, 37451), (88, 37496), (90, 37505), (94, 37538), (97, 37574), (103, 37658), (104, 37664), (114, 37859), (117, 37880), (119, 37901), (120, 37910), (126, 37967), (128, 38009), (130, 38063), (131, 38108), (139, 38177), (141, 38213), (143, 38240), (145, 38267), (149, 38327), (152, 38360), (153, 38363), (157, 38393), (158, 38411), (166, 38552), (171, 38603), (223, 38813), (224, 38819), (228, 38858), (229, 38900), (231, 38912), (233, 38930), (257, 39104), (259, 39113), (260, 39116), (261, 39119), (263, 39131), (266, 39143), (267, 39146), (272, 39161), (289, 39248), (293, 39263), (308, 39407), (310, 39419), (327, 39599), (331, 39617), (343, 39698), (347, 39734), (351, 39755), (354, 39821),

Gene: Pinkcreek_81 Start: 33219, Stop: 35822, Start Num: 36

Candidate Starts for Pinkcreek_81:

(Start: 36 @33219 has 160 MA's), (47, 33288), (48, 33294), (49, 33312), (56, 33348), (83, 33456), (86, 33468), (101, 33594), (104, 33639), (114, 33834), (117, 33855), (119, 33876), (120, 33885), (126, 33942), (128, 33984), (130, 34038), (131, 34083), (139, 34152), (141, 34188), (143, 34215), (145, 34242), (149, 34302), (152, 34335), (153, 34338), (156, 34359), (158, 34386), (162, 34458), (166, 34527), (171, 34578), (223, 34788), (224, 34794), (225, 34800), (228, 34833), (229, 34875), (231, 34887), (233, 34905), (257, 35079), (259, 35088), (260, 35091), (261, 35094), (263, 35106), (266, 35118), (267, 35121), (272, 35136), (289, 35202), (293, 35217), (308, 35361), (310, 35373), (327, 35553), (331, 35571), (343, 35652), (347, 35688), (351, 35709), (354, 35775),

Gene: Pio_94 Start: 37172, Stop: 40600, Start Num: 2

Candidate Starts for Pio_94:

(Start: 2 @37172 has 3 MA's), (Start: 7 @37241 has 1 MA's), (8, 37247), (10, 37265), (12, 37301), (17, 37409), (19, 37421), (21, 37544), (23, 37595), (27, 37649), (28, 37661), (29, 37682), (44, 37976), (50, 38021), (61, 38099), (69, 38135), (75, 38168), (79, 38183), (88, 38228), (90, 38237), (94, 38270), (97, 38306), (103, 38390), (104, 38396), (114, 38591), (117, 38612), (119, 38633), (120, 38642), (126, 38699), (128, 38741), (130, 38795), (131, 38840), (139, 38909), (141, 38945), (143, 38972), (145, 38999), (149, 39059), (152, 39092), (153, 39095), (157, 39125), (158, 39143), (166, 39284), (171, 39335), (223, 39545), (224, 39551), (228, 39590), (229, 39632), (231, 39644), (233, 39662), (257, 39836), (259, 39845), (260, 39848), (261, 39851), (263, 39863), (266, 39875), (267, 39878), (272, 39893), (289, 39980), (293, 39995), (308, 40139), (310, 40151), (327, 40331), (331, 40349), (343, 40430), (347, 40466), (351, 40487), (354, 40553),

Gene: Pivoine_89 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for Pivoine_89:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Pleione_93 Start: 36242, Stop: 38866, Start Num: 36

Candidate Starts for Pleione_93:

(Start: 36 @36242 has 160 MA's), (47, 36311), (48, 36317), (49, 36335), (56, 36371), (83, 36479), (86, 36491), (103, 36656), (104, 36662), (114, 36857), (117, 36878), (119, 36899), (120, 36908), (126, 36965), (128, 37007), (130, 37061), (131, 37106), (139, 37175), (141, 37211), (143, 37238), (145, 37265), (149, 37325), (152, 37358), (153, 37361), (157, 37391), (158, 37409), (166, 37550), (171, 37601), (223, 37811), (224, 37817), (228, 37856), (229, 37898), (231, 37910), (233, 37928), (257,

38102), (259, 38111), (260, 38114), (261, 38117), (263, 38129), (266, 38141), (267, 38144), (272, 38159), (289, 38246), (293, 38261), (308, 38405), (310, 38417), (327, 38597), (331, 38615), (343, 38696), (347, 38732), (351, 38753), (354, 38819),

Gene: Primadonna_84 Start: 35134, Stop: 37758, Start Num: 36

Candidate Starts for Primadonna_84:

(Start: 36 @35134 has 160 MA's), (47, 35203), (48, 35209), (49, 35227), (56, 35263), (83, 35371), (86, 35383), (103, 35548), (104, 35554), (114, 35749), (117, 35770), (119, 35791), (120, 35800), (126, 35857), (128, 35899), (130, 35953), (131, 35998), (139, 36067), (141, 36103), (143, 36130), (145, 36157), (149, 36217), (150, 36229), (152, 36250), (153, 36253), (157, 36283), (158, 36301), (166, 36442), (171, 36493), (223, 36703), (224, 36709), (225, 36715), (228, 36748), (229, 36790), (231, 36802), (233, 36820), (257, 36994), (259, 37003), (260, 37006), (261, 37009), (263, 37021), (266, 37033), (267, 37036), (272, 37051), (289, 37138), (293, 37153), (308, 37297), (310, 37309), (327, 37489), (331, 37507), (343, 37588), (347, 37624), (351, 37645), (354, 37711),

Gene: Pupper_88 Start: 36748, Stop: 39342, Start Num: 43

Candidate Starts for Pupper_88:

(Start: 41 @36730 has 3 MA's), (Start: 43 @36748 has 3 MA's), (60, 36847), (70, 36886), (83, 36949), (86, 36961), (92, 36991), (106, 37180), (108, 37207), (114, 37327), (116, 37336), (117, 37348), (118, 37354), (119, 37369), (120, 37378), (121, 37390), (123, 37402), (129, 37516), (131, 37576), (134, 37603), (138, 37642), (139, 37645), (141, 37681), (142, 37705), (149, 37795), (158, 37879), (161, 37924), (164, 38008), (165, 38017), (166, 38020), (171, 38071), (172, 38074), (223, 38281), (224, 38287), (229, 38368), (230, 38377), (231, 38380), (233, 38398), (237, 38416), (241, 38467), (245, 38509), (250, 38551), (256, 38566), (260, 38575), (265, 38593), (266, 38596), (270, 38608), (274, 38620), (275, 38635), (276, 38638), (283, 38668), (300, 38764), (304, 38842), (311, 38887), (313, 38926), (326, 39028), (337, 39103), (339, 39127), (340, 39130), (347, 39202), (354, 39295), (355, 39304), (356, 39316),

Gene: Pupusa_95 Start: 38059, Stop: 40683, Start Num: 36

Candidate Starts for Pupusa_95:

(Start: 36 @38059 has 160 MA's), (47, 38128), (48, 38134), (49, 38152), (56, 38188), (83, 38296), (86, 38308), (103, 38473), (104, 38479), (114, 38674), (117, 38695), (119, 38716), (120, 38725), (126, 38782), (128, 38824), (130, 38878), (131, 38923), (139, 38992), (141, 39028), (143, 39055), (145, 39082), (149, 39142), (152, 39175), (153, 39178), (157, 39208), (158, 39226), (166, 39367), (171, 39418), (223, 39628), (224, 39634), (228, 39673), (229, 39715), (231, 39727), (233, 39745), (257, 39919), (259, 39928), (260, 39931), (261, 39934), (263, 39946), (266, 39958), (267, 39961), (272, 39976), (289, 40063), (293, 40078), (308, 40222), (310, 40234), (327, 40414), (331, 40432), (343, 40513), (347, 40549), (351, 40570), (354, 40636),

Gene: PurduePete_90 Start: 36287, Stop: 38911, Start Num: 36

Candidate Starts for PurduePete_90:

(Start: 36 @36287 has 160 MA's), (47, 36356), (48, 36362), (49, 36380), (56, 36416), (83, 36524), (86, 36536), (103, 36701), (104, 36707), (114, 36902), (117, 36923), (119, 36944), (120, 36953), (126, 37010), (128, 37052), (130, 37106), (131, 37151), (139, 37220), (141, 37256), (143, 37283), (145, 37310), (149, 37370), (152, 37403), (153, 37406), (156, 37427), (158, 37454), (162, 37526), (166, 37595), (171, 37646), (223, 37856), (224, 37862), (228, 37901), (229, 37943), (231, 37955), (233, 37973), (257, 38147), (259, 38156), (260, 38159), (261, 38162), (263, 38174), (266, 38186), (267, 38189), (272, 38204), (289, 38291), (293, 38306), (308, 38450), (310, 38462), (327, 38642), (331, 38660), (343, 38741), (347, 38777), (351, 38798), (354, 38864),

Gene: QBert_84 Start: 35743, Stop: 38367, Start Num: 36

Candidate Starts for QBert_84:

(Start: 36 @35743 has 160 MA's), (47, 35812), (48, 35818), (49, 35836), (56, 35872), (83, 35980), (86, 35992), (103, 36157), (104, 36163), (114, 36358), (117, 36379), (119, 36400), (120, 36409), (126, 36466), (128, 36508), (130, 36562), (131, 36607), (139, 36676), (141, 36712), (143, 36739), (145, 36766), (149, 36826), (152, 36859), (153, 36862), (157, 36892), (158, 36910), (166, 37051), (171, 37102), (223, 37312), (224, 37318), (228, 37357), (229, 37399), (231, 37411), (233, 37429), (257, 37603), (259, 37612), (260, 37615), (261, 37618), (263, 37630), (266, 37642), (267, 37645), (272, 37660), (289, 37747), (293, 37762), (308, 37906), (310, 37918), (327, 38098), (331, 38116), (343, 38197), (347, 38233), (351, 38254), (354, 38320),

Gene: Quasimodo_90 Start: 35799, Stop: 38402, Start Num: 36

Candidate Starts for Quasimodo_90:

(Start: 36 @35799 has 160 MA's), (47, 35868), (48, 35874), (49, 35892), (56, 35928), (83, 36036), (86, 36048), (103, 36213), (104, 36219), (114, 36414), (117, 36435), (119, 36456), (120, 36465), (126, 36522), (128, 36564), (130, 36618), (131, 36663), (139, 36732), (141, 36768), (143, 36795), (145, 36822), (149, 36882), (152, 36915), (153, 36918), (156, 36939), (158, 36966), (162, 37038), (166, 37107), (171, 37158), (223, 37368), (224, 37374), (225, 37380), (228, 37413), (229, 37455), (231, 37467), (233, 37485), (257, 37659), (259, 37668), (260, 37671), (261, 37674), (263, 37686), (266, 37698), (267, 37701), (272, 37716), (289, 37782), (293, 37797), (308, 37941), (310, 37953), (327, 38133), (331, 38151), (343, 38232), (347, 38268), (351, 38289), (354, 38355),

Gene: Rabinovish_87 Start: 36106, Stop: 38709, Start Num: 36

Candidate Starts for Rabinovish_87:

(Start: 36 @36106 has 160 MA's), (47, 36175), (48, 36181), (49, 36199), (56, 36235), (83, 36343), (86, 36355), (103, 36520), (104, 36526), (114, 36721), (117, 36742), (119, 36763), (120, 36772), (126, 36829), (128, 36871), (130, 36925), (131, 36970), (139, 37039), (141, 37075), (143, 37102), (145, 37129), (149, 37189), (152, 37222), (153, 37225), (156, 37246), (158, 37273), (162, 37345), (166, 37414), (171, 37465), (223, 37675), (224, 37681), (225, 37687), (228, 37720), (229, 37762), (231, 37774), (233, 37792), (257, 37966), (259, 37975), (260, 37978), (261, 37981), (263, 37993), (266, 38005), (267, 38008), (272, 38023), (289, 38089), (293, 38104), (308, 38248), (310, 38260), (327, 38440), (331, 38458), (343, 38539), (347, 38575), (351, 38596), (354, 38662),

Gene: Rahel_89 Start: 34801, Stop: 38229, Start Num: 1

Candidate Starts for Rahel_89:

(Start: 1 @34801 has 16 MA's), (Start: 3 @34870 has 1 MA's), (4, 34876), (5, 34894), (9, 34930), (15, 35038), (16, 35050), (20, 35173), (22, 35224), (24, 35278), (25, 35290), (26, 35311), (37, 35605), (44, 35650), (58, 35728), (67, 35764), (75, 35797), (79, 35812), (88, 35857), (90, 35866), (94, 35899), (97, 35935), (103, 36019), (104, 36025), (114, 36220), (117, 36241), (119, 36262), (120, 36271), (126, 36328), (128, 36370), (130, 36424), (131, 36469), (139, 36538), (141, 36574), (143, 36601), (145, 36628), (149, 36688), (152, 36721), (153, 36724), (157, 36754), (158, 36772), (166, 36913), (171, 36964), (223, 37174), (224, 37180), (228, 37219), (229, 37261), (231, 37273), (233, 37291), (257, 37465), (259, 37474), (260, 37477), (261, 37480), (263, 37492), (266, 37504), (267, 37507), (272, 37522), (289, 37609), (293, 37624), (308, 37768), (310, 37780), (327, 37960), (331, 37978), (343, 38059), (347, 38095), (351, 38116), (354, 38182),

Gene: RedWattleHog_11 Start: 9594, Stop: 12170, Start Num: 42

Candidate Starts for RedWattleHog_11:

(40, 9585), (Start: 42 @9594 has 3 MA's), (63, 9702), (75, 9765), (80, 9783), (85, 9810), (87, 9825), (90, 9837), (104, 9987), (106, 10035), (107, 10041), (113, 10143), (117, 10197), (119, 10218), (121, 10239), (127, 10302), (132, 10416), (133, 10425), (139, 10482), (140, 10485), (141, 10518), (148, 10629), (149, 10632), (152, 10665), (157, 10698), (158, 10716), (161, 10761), (165, 10854), (166, 10857), (168, 10878), (169, 10890), (175, 10971), (177, 10983), (224, 11124), (233, 11235), (269, 11451), (318, 11775), (330, 11889), (332, 11910), (346, 12024), (348, 12036), (350, 12045), (353, 12111), (354, 12120),

Gene: Rizal_88 Start: 35160, Stop: 37784, Start Num: 36

Candidate Starts for Rizal_88:

(Start: 36 @35160 has 160 MA's), (47, 35229), (48, 35235), (49, 35253), (56, 35289), (83, 35397), (86, 35409), (103, 35574), (104, 35580), (114, 35775), (117, 35796), (119, 35817), (120, 35826), (126, 35883), (128, 35925), (130, 35979), (131, 36024), (139, 36093), (141, 36129), (143, 36156), (145, 36183), (149, 36243), (152, 36276), (153, 36279), (156, 36300), (158, 36327), (162, 36399), (166, 36468), (171, 36519), (223, 36729), (224, 36735), (228, 36774), (229, 36816), (231, 36828), (233, 36846), (257, 37020), (259, 37029), (260, 37032), (261, 37035), (263, 37047), (266, 37059), (267, 37062), (272, 37077), (289, 37164), (293, 37179), (308, 37323), (310, 37335), (327, 37515), (331, 37533), (343, 37614), (347, 37650), (351, 37671), (354, 37737),

Gene: RoMag_85 Start: 35602, Stop: 38226, Start Num: 36

Candidate Starts for RoMag_85:

(Start: 36 @35602 has 160 MA's), (47, 35671), (48, 35677), (49, 35695), (56, 35731), (83, 35839), (86, 35851), (103, 36016), (104, 36022), (114, 36217), (117, 36238), (119, 36259), (120, 36268), (126, 36325), (128, 36367), (130, 36421), (131, 36466), (139, 36535), (141, 36571), (143, 36598), (145, 36625), (149, 36685), (152, 36718), (153, 36721), (157, 36751), (158, 36769), (166, 36910), (171, 36961), (223, 37171), (224, 37177), (225, 37183), (228, 37216), (229, 37258), (231, 37270), (233, 37288), (257, 37462), (259, 37471), (260, 37474), (261, 37477), (263, 37489), (266, 37501), (267, 37504), (272, 37519), (289, 37606), (293, 37621), (308, 37765), (310, 37777), (327, 37957), (331, 37975), (343, 38056), (347, 38092), (351, 38113), (354, 38179),

Gene: Rocha_89 Start: 35685, Stop: 38309, Start Num: 36

Candidate Starts for Rocha_89:

(Start: 36 @35685 has 160 MA's), (47, 35754), (48, 35760), (49, 35778), (56, 35814), (83, 35922), (86, 35934), (103, 36099), (104, 36105), (114, 36300), (117, 36321), (119, 36342), (120, 36351), (126, 36408), (128, 36450), (130, 36504), (131, 36549), (139, 36618), (141, 36654), (143, 36681), (145, 36708), (149, 36768), (152, 36801), (153, 36804), (157, 36834), (158, 36852), (166, 36993), (171, 37044), (223, 37254), (224, 37260), (228, 37299), (229, 37341), (231, 37353), (233, 37371), (257, 37545), (259, 37554), (260, 37557), (261, 37560), (263, 37572), (266, 37584), (267, 37587), (272, 37602), (289, 37689), (293, 37704), (308, 37848), (310, 37860), (327, 38040), (331, 38058), (343, 38139), (347, 38175), (351, 38196), (354, 38262),

Gene: Ronan_83 Start: 33049, Stop: 35673, Start Num: 36

Candidate Starts for Ronan_83:

(Start: 36 @33049 has 160 MA's), (47, 33118), (48, 33124), (49, 33142), (56, 33178), (83, 33286), (86, 33298), (103, 33463), (104, 33469), (114, 33664), (117, 33685), (119, 33706), (120, 33715), (126, 33772), (128, 33814), (130, 33868), (131, 33913), (139, 33982), (141, 34018), (143, 34045), (145, 34072), (149, 34132), (152, 34165), (153, 34168), (157, 34198), (158, 34216), (166, 34357), (171, 34408), (223, 34618), (224, 34624), (228, 34663), (229, 34705), (231, 34717), (233, 34735), (257, 34909), (259, 34918), (260, 34921), (261, 34924), (263, 34936), (266, 34948), (267, 34951), (272, 34966), (289, 35053), (293, 35068), (308, 35212), (310, 35224), (327, 35404), (331, 35422), (343, 35503), (347, 35539), (351, 35560), (354, 35626),

Gene: Roots515_89 Start: 35665, Stop: 38289, Start Num: 36

Candidate Starts for Roots515_89:

(Start: 36 @35665 has 160 MA's), (47, 35734), (48, 35740), (49, 35758), (56, 35794), (83, 35902), (86, 35914), (103, 36079), (104, 36085), (114, 36280), (117, 36301), (119, 36322), (120, 36331), (126, 36388), (128, 36430), (130, 36484), (131, 36529), (139, 36598), (141, 36634), (143, 36661), (145, 36688), (149, 36748), (152, 36781), (153, 36784), (157, 36814), (158, 36832), (166, 36973), (171, 37024), (223, 37234), (224, 37240), (228, 37279), (229, 37321), (231, 37333), (233, 37351), (257, 37525), (259, 37534), (260, 37537), (261, 37540), (263, 37552), (266, 37564), (267, 37567), (272,

37582), (289, 37669), (293, 37684), (308, 37828), (310, 37840), (327, 38020), (331, 38038), (343, 38119), (347, 38155), (351, 38176), (354, 38242),

Gene: SCentae_87 Start: 36876, Stop: 39488, Start Num: 41

Candidate Starts for SCentae_87:

(32, 36738), (33, 36747), (Start: 41 @36876 has 3 MA's), (Start: 43 @36894 has 3 MA's), (60, 36993), (70, 37032), (83, 37095), (86, 37107), (92, 37137), (106, 37326), (108, 37353), (114, 37473), (116, 37482), (117, 37494), (118, 37500), (119, 37515), (120, 37524), (121, 37536), (123, 37548), (129, 37662), (131, 37722), (134, 37749), (138, 37788), (139, 37791), (141, 37827), (142, 37851), (149, 37941), (158, 38025), (161, 38070), (164, 38154), (165, 38163), (166, 38166), (171, 38217), (172, 38220), (223, 38427), (224, 38433), (229, 38514), (230, 38523), (231, 38526), (233, 38544), (237, 38562), (241, 38613), (245, 38655), (250, 38697), (256, 38712), (260, 38721), (265, 38739), (266, 38742), (270, 38754), (274, 38766), (275, 38781), (276, 38784), (283, 38814), (300, 38910), (304, 38988), (311, 39033), (313, 39072), (326, 39174), (337, 39249), (339, 39273), (340, 39276), (347, 39348), (354, 39441), (355, 39450), (356, 39462),

Gene: SVoro_88 Start: 36237, Stop: 38861, Start Num: 36

Candidate Starts for SVoro_88:

(Start: 36 @36237 has 160 MA's), (47, 36306), (48, 36312), (49, 36330), (56, 36366), (83, 36474), (86, 36486), (103, 36651), (104, 36657), (114, 36852), (117, 36873), (119, 36894), (120, 36903), (126, 36960), (128, 37002), (130, 37056), (131, 37101), (139, 37170), (141, 37206), (143, 37233), (145, 37260), (149, 37320), (152, 37353), (153, 37356), (156, 37377), (158, 37404), (162, 37476), (166, 37545), (171, 37596), (223, 37806), (224, 37812), (228, 37851), (229, 37893), (231, 37905), (233, 37923), (257, 38097), (259, 38106), (260, 38109), (261, 38112), (263, 38124), (266, 38136), (267, 38139), (272, 38154), (289, 38241), (293, 38256), (308, 38400), (310, 38412), (327, 38592), (331, 38610), (343, 38691), (347, 38727), (351, 38748), (354, 38814),

Gene: Salacia_94 Start: 36357, Stop: 38981, Start Num: 36

Candidate Starts for Salacia_94:

(Start: 36 @36357 has 160 MA's), (47, 36426), (48, 36432), (49, 36450), (56, 36486), (83, 36594), (86, 36606), (103, 36771), (104, 36777), (114, 36972), (117, 36993), (119, 37014), (120, 37023), (126, 37080), (128, 37122), (130, 37176), (131, 37221), (139, 37290), (141, 37326), (143, 37353), (145, 37380), (149, 37440), (152, 37473), (153, 37476), (157, 37506), (158, 37524), (166, 37665), (171, 37716), (223, 37926), (224, 37932), (228, 37971), (229, 38013), (231, 38025), (233, 38043), (257, 38217), (259, 38226), (260, 38229), (261, 38232), (263, 38244), (266, 38256), (267, 38259), (272, 38274), (289, 38361), (293, 38376), (308, 38520), (310, 38532), (327, 38712), (331, 38730), (343, 38811), (347, 38847), (351, 38868), (354, 38934),

Gene: Sauce_90 Start: 35097, Stop: 37721, Start Num: 36

Candidate Starts for Sauce_90:

(Start: 36 @35097 has 160 MA's), (47, 35166), (48, 35172), (49, 35190), (56, 35226), (83, 35334), (86, 35346), (103, 35511), (104, 35517), (114, 35712), (117, 35733), (119, 35754), (120, 35763), (126, 35820), (128, 35862), (130, 35916), (131, 35961), (139, 36030), (141, 36066), (143, 36093), (145, 36120), (149, 36180), (152, 36213), (153, 36216), (157, 36246), (158, 36264), (166, 36405), (171, 36456), (223, 36666), (224, 36672), (228, 36711), (229, 36753), (231, 36765), (233, 36783), (257, 36957), (259, 36966), (260, 36969), (261, 36972), (263, 36984), (266, 36996), (267, 36999), (272, 37014), (289, 37101), (293, 37116), (308, 37260), (310, 37272), (327, 37452), (331, 37470), (343, 37551), (347, 37587), (351, 37608), (354, 37674),

Gene: ScoobyDoobyDoo_84 Start: 34152, Stop: 37481, Start Num: 3

Candidate Starts for ScoobyDoobyDoo_84:

(Start: 3 @34152 has 1 MA's), (6, 34191), (11, 34230), (13, 34257), (14, 34299), (15, 34320), (16, 34332), (18, 34371), (20, 34455), (22, 34506), (24, 34560), (30, 34665), (31, 34752), (53, 34989), (54,

34998), (58, 35010), (73, 35079), (79, 35094), (82, 35109), (89, 35139), (91, 35148), (95, 35181), (106, 35355), (114, 35502), (117, 35523), (119, 35544), (120, 35553), (121, 35565), (124, 35592), (126, 35610), (131, 35751), (135, 35787), (139, 35820), (142, 35880), (152, 36003), (158, 36054), (159, 36084), (161, 36099), (164, 36183), (165, 36192), (166, 36195), (167, 36198), (223, 36456), (224, 36462), (227, 36483), (228, 36501), (231, 36555), (233, 36573), (235, 36582), (241, 36642), (253, 36735), (257, 36747), (260, 36759), (266, 36786), (272, 36804), (280, 36849), (286, 36885), (308, 37071), (331, 37239), (333, 37251), (336, 37266), (345, 37314), (354, 37434), (357, 37464),

Gene: ScottMcG_87 Start: 35250, Stop: 37853, Start Num: 36

Candidate Starts for ScottMcG_87:

(Start: 36 @35250 has 160 MA's), (47, 35319), (48, 35325), (49, 35343), (56, 35379), (83, 35487), (86, 35499), (103, 35664), (104, 35670), (114, 35865), (117, 35886), (119, 35907), (120, 35916), (126, 35973), (128, 36015), (130, 36069), (131, 36114), (139, 36183), (141, 36219), (143, 36246), (145, 36273), (149, 36333), (152, 36366), (153, 36369), (156, 36390), (158, 36417), (162, 36489), (166, 36558), (171, 36609), (223, 36819), (224, 36825), (225, 36831), (228, 36864), (229, 36906), (231, 36918), (233, 36936), (257, 37110), (259, 37119), (260, 37122), (261, 37125), (263, 37137), (266, 37149), (267, 37152), (272, 37167), (289, 37233), (293, 37248), (308, 37392), (310, 37404), (327, 37584), (331, 37602), (343, 37683), (347, 37719), (351, 37740), (354, 37806),

Gene: Sebata_91 Start: 36733, Stop: 39357, Start Num: 36

Candidate Starts for Sebata_91:

(Start: 36 @36733 has 160 MA's), (47, 36802), (48, 36808), (49, 36826), (56, 36862), (83, 36970), (86, 36982), (103, 37147), (104, 37153), (114, 37348), (117, 37369), (119, 37390), (120, 37399), (126, 37456), (128, 37498), (130, 37552), (131, 37597), (139, 37666), (141, 37702), (143, 37729), (145, 37756), (149, 37816), (152, 37849), (153, 37852), (157, 37882), (158, 37900), (166, 38041), (171, 38092), (223, 38302), (224, 38308), (228, 38347), (229, 38389), (231, 38401), (233, 38419), (257, 38593), (259, 38602), (260, 38605), (261, 38608), (263, 38620), (266, 38632), (267, 38635), (272, 38650), (289, 38737), (293, 38752), (308, 38896), (310, 38908), (327, 39088), (331, 39106), (343, 39187), (347, 39223), (351, 39244), (354, 39310),

Gene: Settecandela_46 Start: 26549, Stop: 28942, Start Num: 39

Candidate Starts for Settecandela_46:

(Start: 39 @26549 has 2 MA's), (51, 26636), (54, 26660), (59, 26681), (62, 26708), (65, 26717), (72, 26759), (74, 26771), (78, 26786), (86, 26828), (87, 26837), (93, 26873), (99, 26918), (100, 26930), (101, 26954), (106, 27047), (116, 27200), (119, 27233), (120, 27242), (121, 27254), (137, 27473), (140, 27497), (141, 27530), (144, 27560), (145, 27584), (146, 27614), (149, 27644), (151, 27659), (154, 27689), (158, 27728), (160, 27764), (161, 27773), (163, 27860), (166, 27875), (176, 27998), (179, 28043), (225, 28148), (227, 28163), (229, 28223), (230, 28232), (232, 28250), (233, 28253), (236, 28268), (240, 28313), (242, 28331), (244, 28358), (247, 28388), (250, 28409), (251, 28412), (259, 28433), (265, 28457), (268, 28466), (271, 28475), (277, 28511), (285, 28535), (288, 28568), (291, 28580), (306, 28718), (309, 28733), (315, 28796), (319, 28805), (328, 28892), (335, 28928),

Gene: Shaqnato_82 Start: 33972, Stop: 36596, Start Num: 36

Candidate Starts for Shaqnato_82:

(Start: 36 @33972 has 160 MA's), (47, 34041), (48, 34047), (49, 34065), (56, 34101), (83, 34209), (86, 34221), (103, 34386), (104, 34392), (114, 34587), (117, 34608), (119, 34629), (120, 34638), (126, 34695), (128, 34737), (130, 34791), (131, 34836), (139, 34905), (141, 34941), (143, 34968), (145, 34995), (149, 35055), (152, 35088), (153, 35091), (157, 35121), (158, 35139), (166, 35280), (171, 35331), (223, 35541), (224, 35547), (228, 35586), (229, 35628), (231, 35640), (233, 35658), (257, 35832), (259, 35841), (260, 35844), (261, 35847), (263, 35859), (266, 35871), (267, 35874), (272, 35889), (289, 35976), (293, 35991), (308, 36135), (310, 36147), (327, 36327), (331, 36345), (343, 36426), (347, 36462), (351, 36483), (354, 36549),

Gene: Shelob_92 Start: 37235, Stop: 39859, Start Num: 36

Candidate Starts for Shelob_92:

(Start: 36 @37235 has 160 MA's), (47, 37304), (48, 37310), (49, 37328), (56, 37364), (83, 37472), (86, 37484), (103, 37649), (104, 37655), (114, 37850), (117, 37871), (119, 37892), (120, 37901), (126, 37958), (128, 38000), (130, 38054), (131, 38099), (139, 38168), (141, 38204), (143, 38231), (145, 38258), (149, 38318), (152, 38351), (153, 38354), (157, 38384), (158, 38402), (166, 38543), (171, 38594), (223, 38804), (224, 38810), (228, 38849), (229, 38891), (231, 38903), (233, 38921), (257, 39095), (259, 39104), (260, 39107), (261, 39110), (263, 39122), (266, 39134), (267, 39137), (272, 39152), (289, 39239), (293, 39254), (308, 39398), (310, 39410), (327, 39590), (331, 39608), (343, 39689), (347, 39725), (351, 39746), (354, 39812),

Gene: ShiaLabeouf_90 Start: 35640, Stop: 39068, Start Num: 1

Candidate Starts for ShiaLabeouf_90:

(Start: 1 @35640 has 16 MA's), (Start: 3 @35709 has 1 MA's), (4, 35715), (5, 35733), (9, 35769), (15, 35877), (16, 35889), (20, 36012), (22, 36063), (24, 36117), (25, 36129), (26, 36150), (37, 36444), (44, 36489), (58, 36567), (67, 36603), (75, 36636), (79, 36651), (88, 36696), (90, 36705), (94, 36738), (97, 36774), (103, 36858), (104, 36864), (114, 37059), (117, 37080), (119, 37101), (120, 37110), (126, 37167), (128, 37209), (130, 37263), (131, 37308), (139, 37377), (141, 37413), (143, 37440), (145, 37467), (149, 37527), (152, 37560), (153, 37563), (157, 37593), (158, 37611), (166, 37752), (171, 37803), (223, 38013), (224, 38019), (228, 38058), (229, 38100), (231, 38112), (233, 38130), (257, 38304), (259, 38313), (260, 38316), (261, 38319), (263, 38331), (266, 38343), (267, 38346), (272, 38361), (289, 38448), (293, 38463), (308, 38607), (310, 38619), (327, 38799), (331, 38817), (343, 38898), (347, 38934), (351, 38955), (354, 39021),

Gene: Shifa_79 Start: 33706, Stop: 36309, Start Num: 36

Candidate Starts for Shifa_79:

(Start: 36 @33706 has 160 MA's), (47, 33775), (48, 33781), (49, 33799), (56, 33835), (83, 33943), (86, 33955), (101, 34081), (104, 34126), (114, 34321), (117, 34342), (119, 34363), (120, 34372), (126, 34429), (128, 34471), (130, 34525), (131, 34570), (139, 34639), (141, 34675), (143, 34702), (145, 34729), (149, 34789), (152, 34822), (153, 34825), (158, 34873), (162, 34945), (166, 35014), (171, 35065), (223, 35275), (224, 35281), (225, 35287), (228, 35320), (229, 35362), (231, 35374), (233, 35392), (257, 35566), (259, 35575), (260, 35578), (261, 35581), (263, 35593), (266, 35605), (267, 35608), (272, 35623), (289, 35689), (293, 35704), (308, 35848), (310, 35860), (327, 36040), (331, 36058), (343, 36139), (347, 36175), (351, 36196), (354, 36262),

Gene: Shnickers_90 Start: 35200, Stop: 38628, Start Num: 1

Candidate Starts for Shnickers_90:

(Start: 1 @35200 has 16 MA's), (Start: 3 @35269 has 1 MA's), (4, 35275), (5, 35293), (9, 35329), (15, 35437), (16, 35449), (20, 35572), (22, 35623), (24, 35677), (25, 35689), (26, 35710), (37, 36004), (44, 36049), (58, 36127), (67, 36163), (75, 36196), (79, 36211), (88, 36256), (90, 36265), (94, 36298), (97, 36334), (103, 36418), (104, 36424), (114, 36619), (117, 36640), (119, 36661), (120, 36670), (126, 36727), (128, 36769), (130, 36823), (131, 36868), (139, 36937), (141, 36973), (143, 37000), (145, 37027), (149, 37087), (152, 37120), (153, 37123), (157, 37153), (158, 37171), (166, 37312), (171, 37363), (223, 37573), (224, 37579), (228, 37618), (229, 37660), (231, 37672), (233, 37690), (257, 37864), (259, 37873), (260, 37876), (261, 37879), (263, 37891), (266, 37903), (267, 37906), (272, 37921), (289, 38008), (293, 38023), (308, 38167), (310, 38179), (327, 38359), (331, 38377), (343, 38458), (347, 38494), (351, 38515), (354, 38581),

Gene: Shrimp_90 Start: 36247, Stop: 38871, Start Num: 36

Candidate Starts for Shrimp_90:

(Start: 36 @36247 has 160 MA's), (47, 36316), (48, 36322), (49, 36340), (56, 36376), (83, 36484), (86, 36496), (103, 36661), (104, 36667), (114, 36862), (117, 36883), (119, 36904), (120, 36913), (126, 36970), (128, 37012), (130, 37066), (131, 37111), (139, 37180), (141, 37216), (143, 37243), (145,

37270), (149, 37330), (152, 37363), (153, 37366), (157, 37396), (158, 37414), (166, 37555), (171, 37606), (223, 37816), (224, 37822), (228, 37861), (229, 37903), (231, 37915), (233, 37933), (257, 38107), (259, 38116), (260, 38119), (261, 38122), (263, 38134), (266, 38146), (267, 38149), (272, 38164), (289, 38251), (293, 38266), (308, 38410), (310, 38422), (327, 38602), (331, 38620), (343, 38701), (347, 38737), (351, 38758), (354, 38824),

Gene: SilverDipper_91 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for SilverDipper_91:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Skog_151 Start: 66444, Stop: 69053, Start Num: 41

Candidate Starts for Skog_151:

(Start: 41 @66444 has 3 MA's), (Start: 43 @66462 has 3 MA's), (60, 66561), (70, 66600), (86, 66657), (92, 66687), (106, 66876), (108, 66903), (114, 67023), (116, 67032), (117, 67044), (118, 67050), (119, 67065), (120, 67074), (121, 67086), (131, 67272), (139, 67341), (141, 67377), (142, 67401), (147, 67479), (149, 67491), (158, 67575), (161, 67620), (164, 67704), (165, 67713), (166, 67716), (223, 67977), (224, 67983), (229, 68064), (230, 68073), (231, 68076), (233, 68094), (237, 68112), (243, 68187), (245, 68205), (250, 68247), (256, 68262), (260, 68271), (264, 68289), (265, 68295), (266, 68298), (279, 68352), (282, 68367), (299, 68463), (300, 68466), (304, 68544), (311, 68589), (313, 68628), (320, 68652), (321, 68667), (322, 68685), (325, 68724), (326, 68742), (334, 68805), (337, 68817), (342, 68868), (347, 68913), (352, 68994), (354, 69006), (356, 69027),

Gene: SmallFry_90 Start: 35199, Stop: 37823, Start Num: 36

Candidate Starts for SmallFry_90:

(Start: 36 @35199 has 160 MA's), (47, 35268), (48, 35274), (49, 35292), (56, 35328), (83, 35436), (86, 35448), (103, 35613), (104, 35619), (114, 35814), (117, 35835), (119, 35856), (120, 35865), (126, 35922), (128, 35964), (130, 36018), (131, 36063), (139, 36132), (141, 36168), (143, 36195), (145, 36222), (149, 36282), (150, 36294), (152, 36315), (153, 36318), (157, 36348), (158, 36366), (166, 36507), (171, 36558), (223, 36768), (224, 36774), (228, 36813), (229, 36855), (231, 36867), (233, 36885), (257, 37059), (259, 37068), (260, 37071), (261, 37074), (263, 37086), (266, 37098), (267, 37101), (272, 37116), (289, 37203), (293, 37218), (308, 37362), (310, 37374), (327, 37554), (331, 37572), (343, 37653), (347, 37689), (351, 37710), (354, 37776),

Gene: Spec_85 Start: 34965, Stop: 38393, Start Num: 1

Candidate Starts for Spec_85:

(Start: 1 @34965 has 16 MA's), (Start: 3 @35034 has 1 MA's), (4, 35040), (5, 35058), (9, 35094), (15, 35202), (16, 35214), (20, 35337), (22, 35388), (24, 35442), (25, 35454), (26, 35475), (37, 35769), (44, 35814), (58, 35892), (67, 35928), (75, 35961), (79, 35976), (88, 36021), (90, 36030), (94, 36063), (97, 36099), (103, 36183), (104, 36189), (114, 36384), (117, 36405), (119, 36426), (120, 36435), (126, 36492), (128, 36534), (130, 36588), (131, 36633), (139, 36702), (141, 36738), (143, 36765), (145, 36792), (149, 36852), (152, 36885), (153, 36888), (157, 36918), (158, 36936), (166, 37077), (171, 37128), (223, 37338), (224, 37344), (228, 37383), (229, 37425), (231, 37437), (233, 37455), (257, 37629), (259, 37638), (260, 37641), (261, 37644), (263, 37656), (266, 37668), (267, 37671), (272, 37686), (289, 37773), (293, 37788), (308, 37932), (310, 37944), (327, 38124), (331, 38142), (343, 38223), (347, 38259), (351, 38280), (354, 38346),

Gene: Specks_96 Start: 37983, Stop: 40607, Start Num: 36

Candidate Starts for Specks_96:

(Start: 36 @37983 has 160 MA's), (47, 38052), (48, 38058), (49, 38076), (56, 38112), (83, 38220), (86, 38232), (103, 38397), (104, 38403), (114, 38598), (117, 38619), (119, 38640), (120, 38649), (126, 38706), (128, 38748), (130, 38802), (131, 38847), (139, 38916), (141, 38952), (143, 38979), (145, 39006), (149, 39066), (150, 39078), (152, 39099), (153, 39102), (157, 39132), (158, 39150), (166, 39291), (171, 39342), (223, 39552), (224, 39558), (228, 39597), (229, 39639), (231, 39651), (233, 39669), (257, 39843), (259, 39852), (260, 39855), (261, 39858), (263, 39870), (266, 39882), (267, 39885), (272, 39900), (289, 39987), (293, 40002), (308, 40146), (310, 40158), (327, 40338), (331, 40356), (343, 40437), (347, 40473), (351, 40494), (354, 40560),

Gene: Sprinklers_85 Start: 34469, Stop: 37093, Start Num: 36

Candidate Starts for Sprinklers_85:

(Start: 36 @34469 has 160 MA's), (47, 34538), (48, 34544), (49, 34562), (56, 34598), (83, 34706), (86, 34718), (103, 34883), (104, 34889), (114, 35084), (117, 35105), (119, 35126), (120, 35135), (126, 35192), (128, 35234), (130, 35288), (131, 35333), (139, 35402), (141, 35438), (143, 35465), (145, 35492), (149, 35552), (152, 35585), (153, 35588), (157, 35618), (158, 35636), (166, 35777), (171, 35828), (223, 36038), (224, 36044), (228, 36083), (229, 36125), (231, 36137), (233, 36155), (257, 36329), (259, 36338), (260, 36341), (261, 36344), (263, 36356), (266, 36368), (267, 36371), (272, 36386), (289, 36473), (293, 36488), (308, 36632), (310, 36644), (327, 36824), (331, 36842), (343, 36923), (347, 36959), (351, 36980), (354, 37046),

Gene: Spud_90 Start: 36211, Stop: 38814, Start Num: 36

Candidate Starts for Spud_90:

(Start: 36 @36211 has 160 MA's), (47, 36280), (48, 36286), (49, 36304), (56, 36340), (83, 36448), (86, 36460), (103, 36625), (104, 36631), (114, 36826), (117, 36847), (119, 36868), (120, 36877), (126, 36934), (128, 36976), (130, 37030), (131, 37075), (139, 37144), (141, 37180), (143, 37207), (145, 37234), (149, 37294), (152, 37327), (153, 37330), (156, 37351), (158, 37378), (162, 37450), (166, 37519), (171, 37570), (223, 37780), (224, 37786), (225, 37792), (228, 37825), (229, 37867), (231, 37879), (233, 37897), (257, 38071), (259, 38080), (260, 38083), (261, 38086), (263, 38098), (266, 38110), (267, 38113), (272, 38128), (289, 38194), (293, 38209), (308, 38353), (310, 38365), (327, 38545), (331, 38563), (343, 38644), (347, 38680), (351, 38701), (354, 38767),

Gene: SrishMeg2525_89 Start: 35579, Stop: 38203, Start Num: 36

Candidate Starts for SrishMeg2525_89:

(Start: 36 @35579 has 160 MA's), (47, 35648), (48, 35654), (49, 35672), (56, 35708), (83, 35816), (86, 35828), (103, 35993), (104, 35999), (114, 36194), (117, 36215), (119, 36236), (120, 36245), (126, 36302), (128, 36344), (130, 36398), (131, 36443), (139, 36512), (141, 36548), (143, 36575), (145, 36602), (149, 36662), (152, 36695), (153, 36698), (157, 36728), (158, 36746), (166, 36887), (171, 36938), (223, 37148), (224, 37154), (228, 37193), (229, 37235), (231, 37247), (233, 37265), (257, 37439), (259, 37448), (260, 37451), (261, 37454), (263, 37466), (266, 37478), (267, 37481), (272, 37496), (289, 37583), (293, 37598), (308, 37742), (310, 37754), (327, 37934), (331, 37952), (343, 38033), (347, 38069), (351, 38090), (354, 38156),

Gene: StephanieG_89 Start: 37059, Stop: 39683, Start Num: 36

Candidate Starts for StephanieG_89:

(Start: 36 @37059 has 160 MA's), (47, 37128), (48, 37134), (49, 37152), (56, 37188), (83, 37296), (86, 37308), (103, 37473), (104, 37479), (114, 37674), (117, 37695), (119, 37716), (120, 37725), (126, 37782), (128, 37824), (130, 37878), (131, 37923), (139, 37992), (141, 38028), (143, 38055), (145, 38082), (149, 38142), (152, 38175), (153, 38178), (157, 38208), (158, 38226), (166, 38367), (171, 38418), (223, 38628), (224, 38634), (225, 38640), (228, 38673), (229, 38715), (231, 38727), (233, 38745), (257, 38919), (259, 38928), (260, 38931), (261, 38934), (263, 38946), (266, 38958), (267, 38961), (272, 38976), (289, 39063), (293, 39078), (308, 39222), (310, 39234), (327, 39414), (331,

39432), (343, 39513), (347, 39549), (351, 39570), (354, 39636),

Gene: Stormageddon_11 Start: 9594, Stop: 12167, Start Num: 42

Candidate Starts for Stormageddon_11:

(40, 9585), (Start: 42 @9594 has 3 MA's), (63, 9702), (75, 9765), (80, 9783), (85, 9810), (87, 9825), (90, 9837), (104, 9987), (106, 10035), (107, 10041), (113, 10143), (117, 10197), (119, 10218), (121, 10239), (127, 10302), (132, 10416), (133, 10425), (139, 10482), (140, 10485), (141, 10518), (148, 10629), (149, 10632), (152, 10665), (157, 10698), (158, 10716), (161, 10761), (165, 10854), (166, 10857), (168, 10878), (169, 10890), (175, 10971), (177, 10983), (224, 11124), (233, 11235), (269, 11451), (318, 11772), (330, 11886), (332, 11907), (346, 12021), (348, 12033), (350, 12042), (353, 12108), (354, 12117),

Gene: Stubby_83 Start: 34297, Stop: 36900, Start Num: 36

Candidate Starts for Stubby_83:

(Start: 36 @34297 has 160 MA's), (47, 34366), (48, 34372), (49, 34390), (56, 34426), (83, 34534), (86, 34546), (103, 34711), (104, 34717), (114, 34912), (117, 34933), (119, 34954), (120, 34963), (126, 35020), (128, 35062), (130, 35116), (131, 35161), (139, 35230), (141, 35266), (143, 35293), (145, 35320), (149, 35380), (152, 35413), (153, 35416), (156, 35437), (158, 35464), (162, 35536), (166, 35605), (171, 35656), (223, 35866), (224, 35872), (225, 35878), (228, 35911), (229, 35953), (231, 35965), (233, 35983), (257, 36157), (259, 36166), (260, 36169), (261, 36172), (263, 36184), (266, 36196), (267, 36199), (272, 36214), (289, 36280), (293, 36295), (308, 36439), (310, 36451), (327, 36631), (331, 36649), (343, 36730), (347, 36766), (351, 36787), (354, 36853),

Gene: StubbySaigey_92 Start: 34536, Stop: 37160, Start Num: 36

Candidate Starts for StubbySaigey_92:

(Start: 36 @34536 has 160 MA's), (47, 34605), (48, 34611), (49, 34629), (56, 34665), (83, 34773), (86, 34785), (103, 34950), (104, 34956), (114, 35151), (117, 35172), (119, 35193), (120, 35202), (126, 35259), (128, 35301), (130, 35355), (131, 35400), (139, 35469), (141, 35505), (143, 35532), (145, 35559), (149, 35619), (152, 35652), (153, 35655), (156, 35676), (158, 35703), (162, 35775), (166, 35844), (171, 35895), (223, 36105), (224, 36111), (225, 36117), (228, 36150), (229, 36192), (231, 36204), (233, 36222), (257, 36396), (259, 36405), (260, 36408), (261, 36411), (263, 36423), (266, 36435), (267, 36438), (272, 36453), (289, 36540), (293, 36555), (308, 36699), (310, 36711), (327, 36891), (331, 36909), (343, 36990), (347, 37026), (351, 37047), (354, 37113),

Gene: Substance289_87 Start: 34718, Stop: 38146, Start Num: 1

Candidate Starts for Substance289_87:

(Start: 1 @34718 has 16 MA's), (Start: 3 @34787 has 1 MA's), (4, 34793), (5, 34811), (9, 34847), (15, 34955), (16, 34967), (20, 35090), (22, 35141), (24, 35195), (25, 35207), (26, 35228), (37, 35522), (44, 35567), (58, 35645), (67, 35681), (75, 35714), (79, 35729), (88, 35774), (90, 35783), (94, 35816), (97, 35852), (103, 35936), (104, 35942), (114, 36137), (117, 36158), (119, 36179), (120, 36188), (126, 36245), (128, 36287), (130, 36341), (131, 36386), (139, 36455), (141, 36491), (143, 36518), (145, 36545), (149, 36605), (152, 36638), (153, 36641), (157, 36671), (158, 36689), (166, 36830), (171, 36881), (223, 37091), (224, 37097), (228, 37136), (229, 37178), (231, 37190), (233, 37208), (257, 37382), (259, 37391), (260, 37394), (261, 37397), (263, 37409), (266, 37421), (267, 37424), (272, 37439), (289, 37526), (293, 37541), (308, 37685), (310, 37697), (327, 37877), (331, 37895), (343, 37976), (347, 38012), (351, 38033), (354, 38099),

Gene: Tainan_95 Start: 37633, Stop: 40257, Start Num: 36

Candidate Starts for Tainan_95:

(Start: 36 @37633 has 160 MA's), (47, 37702), (48, 37708), (49, 37726), (56, 37762), (83, 37870), (86, 37882), (103, 38047), (104, 38053), (114, 38248), (117, 38269), (119, 38290), (120, 38299), (126, 38356), (128, 38398), (130, 38452), (131, 38497), (139, 38566), (141, 38602), (143, 38629), (145, 38656), (149, 38716), (152, 38749), (153, 38752), (157, 38782), (158, 38800), (166, 38941), (171,

38992), (223, 39202), (224, 39208), (228, 39247), (229, 39289), (231, 39301), (233, 39319), (257, 39493), (259, 39502), (260, 39505), (261, 39508), (263, 39520), (266, 39532), (267, 39535), (272, 39550), (289, 39637), (293, 39652), (308, 39796), (310, 39808), (327, 39988), (331, 40006), (343, 40087), (347, 40123), (351, 40144), (354, 40210),

Gene: Teardrop_90 Start: 35307, Stop: 37931, Start Num: 36

Candidate Starts for Teardrop_90:

(Start: 36 @35307 has 160 MA's), (47, 35376), (48, 35382), (49, 35400), (56, 35436), (83, 35544), (86, 35556), (103, 35721), (104, 35727), (114, 35922), (117, 35943), (119, 35964), (120, 35973), (126, 36030), (128, 36072), (130, 36126), (131, 36171), (139, 36240), (141, 36276), (143, 36303), (145, 36330), (149, 36390), (150, 36402), (152, 36423), (153, 36426), (157, 36456), (158, 36474), (166, 36615), (171, 36666), (223, 36876), (224, 36882), (228, 36921), (229, 36963), (231, 36975), (233, 36993), (257, 37167), (259, 37176), (260, 37179), (261, 37182), (263, 37194), (266, 37206), (267, 37209), (272, 37224), (289, 37311), (293, 37326), (308, 37470), (310, 37482), (327, 37662), (331, 37680), (343, 37761), (347, 37797), (351, 37818), (354, 37884),

Gene: TinyTim_90 Start: 36243, Stop: 38867, Start Num: 36

Candidate Starts for TinyTim_90:

(Start: 36 @36243 has 160 MA's), (47, 36312), (48, 36318), (49, 36336), (56, 36372), (83, 36480), (86, 36492), (103, 36657), (104, 36663), (114, 36858), (117, 36879), (119, 36900), (120, 36909), (126, 36966), (128, 37008), (130, 37062), (131, 37107), (139, 37176), (141, 37212), (143, 37239), (145, 37266), (149, 37326), (152, 37359), (153, 37362), (157, 37392), (158, 37410), (166, 37551), (171, 37602), (223, 37812), (224, 37818), (228, 37857), (229, 37899), (231, 37911), (233, 37929), (257, 38103), (259, 38112), (260, 38115), (261, 38118), (263, 38130), (266, 38142), (267, 38145), (272, 38160), (289, 38247), (293, 38262), (308, 38406), (310, 38418), (327, 38598), (331, 38616), (343, 38697), (347, 38733), (351, 38754), (354, 38820),

Gene: Tonenili_104 Start: 40235, Stop: 42874, Start Num: 36

Candidate Starts for Tonenili_104:

(Start: 36 @40235 has 160 MA's), (47, 40304), (48, 40310), (56, 40364), (76, 40457), (83, 40487), (86, 40499), (90, 40520), (103, 40664), (104, 40670), (111, 40796), (114, 40865), (116, 40874), (120, 40916), (126, 40973), (128, 41015), (130, 41069), (131, 41114), (137, 41162), (139, 41183), (141, 41219), (143, 41246), (145, 41273), (147, 41321), (149, 41333), (152, 41366), (153, 41369), (156, 41390), (158, 41417), (162, 41489), (166, 41558), (171, 41609), (223, 41819), (224, 41825), (225, 41831), (228, 41864), (229, 41906), (231, 41918), (233, 41936), (257, 42110), (260, 42122), (263, 42137), (267, 42152), (272, 42167), (278, 42203), (289, 42257), (293, 42272), (308, 42416), (310, 42428), (331, 42623), (347, 42740), (351, 42761), (354, 42827),

Gene: Tortoise16_88 Start: 36101, Stop: 38725, Start Num: 36

Candidate Starts for Tortoise16_88:

(Start: 36 @36101 has 160 MA's), (47, 36170), (48, 36176), (49, 36194), (56, 36230), (83, 36338), (86, 36350), (103, 36515), (104, 36521), (114, 36716), (117, 36737), (119, 36758), (120, 36767), (126, 36824), (128, 36866), (130, 36920), (131, 36965), (139, 37034), (141, 37070), (143, 37097), (145, 37124), (149, 37184), (152, 37217), (153, 37220), (157, 37250), (158, 37268), (166, 37409), (171, 37460), (223, 37670), (224, 37676), (228, 37715), (229, 37757), (231, 37769), (233, 37787), (257, 37961), (259, 37970), (260, 37973), (261, 37976), (263, 37988), (266, 38000), (267, 38003), (272, 38018), (289, 38105), (293, 38120), (308, 38264), (310, 38276), (327, 38456), (331, 38474), (343, 38555), (347, 38591), (351, 38612), (354, 38678),

Gene: Trinitium_86 Start: 34296, Stop: 36899, Start Num: 36

Candidate Starts for Trinitium_86:

(Start: 36 @34296 has 160 MA's), (47, 34365), (48, 34371), (49, 34389), (56, 34425), (83, 34533), (86, 34545), (103, 34710), (104, 34716), (114, 34911), (117, 34932), (119, 34953), (120, 34962), (126,

35019), (128, 35061), (130, 35115), (131, 35160), (139, 35229), (141, 35265), (143, 35292), (145, 35319), (149, 35379), (152, 35412), (153, 35415), (156, 35436), (158, 35463), (162, 35535), (166, 35604), (171, 35655), (223, 35865), (224, 35871), (225, 35877), (228, 35910), (229, 35952), (231, 35964), (233, 35982), (257, 36156), (259, 36165), (260, 36168), (261, 36171), (263, 36183), (266, 36195), (267, 36198), (272, 36213), (289, 36279), (293, 36294), (308, 36438), (310, 36450), (327, 36630), (331, 36648), (343, 36729), (347, 36765), (351, 36786), (354, 36852),

Gene: Turret_85 Start: 33962, Stop: 36565, Start Num: 36

Candidate Starts for Turret_85:

(Start: 36 @33962 has 160 MA's), (47, 34031), (48, 34037), (49, 34055), (56, 34091), (83, 34199), (86, 34211), (103, 34376), (104, 34382), (114, 34577), (117, 34598), (119, 34619), (120, 34628), (126, 34685), (128, 34727), (130, 34781), (131, 34826), (139, 34895), (141, 34931), (143, 34958), (145, 34985), (149, 35045), (152, 35078), (153, 35081), (156, 35102), (158, 35129), (162, 35201), (166, 35270), (171, 35321), (223, 35531), (224, 35537), (225, 35543), (228, 35576), (229, 35618), (231, 35630), (233, 35648), (257, 35822), (259, 35831), (260, 35834), (261, 35837), (263, 35849), (266, 35861), (267, 35864), (272, 35879), (289, 35945), (293, 35960), (308, 36104), (310, 36116), (327, 36296), (331, 36314), (343, 36395), (347, 36431), (351, 36452), (354, 36518),

Gene: Tyke_92 Start: 37005, Stop: 40433, Start Num: 1

Candidate Starts for Tyke_92:

(Start: 1 @37005 has 16 MA's), (Start: 3 @37074 has 1 MA's), (4, 37080), (5, 37098), (9, 37134), (15, 37242), (16, 37254), (20, 37377), (22, 37428), (24, 37482), (25, 37494), (26, 37515), (37, 37809), (44, 37854), (58, 37932), (67, 37968), (75, 38001), (79, 38016), (88, 38061), (90, 38070), (94, 38103), (97, 38139), (103, 38223), (104, 38229), (114, 38424), (117, 38445), (119, 38466), (120, 38475), (126, 38532), (128, 38574), (130, 38628), (131, 38673), (139, 38742), (141, 38778), (143, 38805), (145, 38832), (149, 38892), (152, 38925), (153, 38928), (157, 38958), (158, 38976), (166, 39117), (171, 39168), (223, 39378), (224, 39384), (228, 39423), (229, 39465), (231, 39477), (233, 39495), (257, 39669), (259, 39678), (260, 39681), (261, 39684), (263, 39696), (266, 39708), (267, 39711), (272, 39726), (289, 39813), (293, 39828), (308, 39972), (310, 39984), (327, 40164), (331, 40182), (343, 40263), (347, 40299), (351, 40320), (354, 40386),

Gene: ValleyTerrace_90 Start: 35248, Stop: 37872, Start Num: 36

Candidate Starts for ValleyTerrace_90:

(Start: 36 @35248 has 160 MA's), (47, 35317), (48, 35323), (49, 35341), (56, 35377), (83, 35485), (86, 35497), (103, 35662), (104, 35668), (114, 35863), (117, 35884), (119, 35905), (120, 35914), (126, 35971), (128, 36013), (130, 36067), (131, 36112), (139, 36181), (141, 36217), (143, 36244), (145, 36271), (149, 36331), (152, 36364), (153, 36367), (157, 36397), (158, 36415), (166, 36556), (171, 36607), (223, 36817), (224, 36823), (228, 36862), (229, 36904), (231, 36916), (233, 36934), (257, 37108), (259, 37117), (260, 37120), (261, 37123), (263, 37135), (266, 37147), (267, 37150), (272, 37165), (289, 37252), (293, 37267), (308, 37411), (310, 37423), (327, 37603), (331, 37621), (343, 37702), (347, 37738), (351, 37759), (354, 37825),

Gene: Vortrix_105 Start: 39641, Stop: 42280, Start Num: 36

Candidate Starts for Vortrix_105:

(Start: 36 @39641 has 160 MA's), (47, 39710), (48, 39716), (56, 39770), (76, 39863), (83, 39893), (86, 39905), (90, 39926), (103, 40070), (104, 40076), (111, 40202), (114, 40271), (116, 40280), (120, 40322), (126, 40379), (128, 40421), (130, 40475), (131, 40520), (137, 40568), (139, 40589), (141, 40625), (143, 40652), (145, 40679), (147, 40727), (149, 40739), (152, 40772), (153, 40775), (156, 40796), (158, 40823), (162, 40895), (166, 40964), (171, 41015), (223, 41225), (224, 41231), (225, 41237), (228, 41270), (229, 41312), (231, 41324), (233, 41342), (257, 41516), (260, 41528), (263, 41543), (267, 41558), (272, 41573), (278, 41609), (289, 41663), (293, 41678), (308, 41822), (310, 41834), (331, 42029), (347, 42146), (351, 42167), (354, 42233),

Gene: Wally_89 Start: 34798, Stop: 37422, Start Num: 36

Candidate Starts for Wally_89:

(Start: 36 @34798 has 160 MA's), (47, 34867), (48, 34873), (49, 34891), (56, 34927), (83, 35035), (86, 35047), (103, 35212), (104, 35218), (114, 35413), (117, 35434), (119, 35455), (120, 35464), (126, 35521), (128, 35563), (130, 35617), (131, 35662), (139, 35731), (141, 35767), (143, 35794), (145, 35821), (149, 35881), (152, 35914), (153, 35917), (156, 35938), (158, 35965), (162, 36037), (166, 36106), (171, 36157), (223, 36367), (224, 36373), (228, 36412), (229, 36454), (231, 36466), (233, 36484), (257, 36658), (259, 36667), (260, 36670), (261, 36673), (263, 36685), (266, 36697), (267, 36700), (272, 36715), (289, 36802), (293, 36817), (308, 36961), (310, 36973), (327, 37153), (331, 37171), (343, 37252), (347, 37288), (351, 37309), (354, 37375),

Gene: Willis_91 Start: 36138, Stop: 38762, Start Num: 36

Candidate Starts for Willis_91:

(Start: 36 @36138 has 160 MA's), (47, 36207), (48, 36213), (49, 36231), (56, 36267), (83, 36375), (86, 36387), (103, 36552), (104, 36558), (114, 36753), (117, 36774), (119, 36795), (120, 36804), (126, 36861), (128, 36903), (130, 36957), (131, 37002), (139, 37071), (141, 37107), (143, 37134), (145, 37161), (149, 37221), (152, 37254), (153, 37257), (157, 37287), (158, 37305), (166, 37446), (171, 37497), (223, 37707), (224, 37713), (228, 37752), (229, 37794), (231, 37806), (233, 37824), (257, 37998), (259, 38007), (260, 38010), (261, 38013), (263, 38025), (266, 38037), (267, 38040), (272, 38055), (289, 38142), (293, 38157), (308, 38301), (310, 38313), (327, 38493), (331, 38511), (343, 38592), (347, 38628), (351, 38649), (354, 38715),

Gene: Yassified_86 Start: 34529, Stop: 37132, Start Num: 36

Candidate Starts for Yassified_86:

(Start: 36 @34529 has 160 MA's), (47, 34598), (48, 34604), (49, 34622), (56, 34658), (83, 34766), (86, 34778), (103, 34943), (104, 34949), (114, 35144), (117, 35165), (119, 35186), (120, 35195), (126, 35252), (128, 35294), (130, 35348), (131, 35393), (139, 35462), (141, 35498), (143, 35525), (145, 35552), (149, 35612), (152, 35645), (153, 35648), (157, 35678), (158, 35696), (166, 35837), (171, 35888), (223, 36098), (224, 36104), (228, 36143), (229, 36185), (231, 36197), (233, 36215), (257, 36389), (259, 36398), (260, 36401), (261, 36404), (263, 36416), (266, 36428), (267, 36431), (272, 36446), (289, 36512), (293, 36527), (308, 36671), (310, 36683), (327, 36863), (331, 36881), (343, 36962), (347, 36998), (351, 37019), (354, 37085),

Gene: YemiJoy2021_91 Start: 36240, Stop: 38864, Start Num: 36

Candidate Starts for YemiJoy2021_91:

(Start: 36 @36240 has 160 MA's), (47, 36309), (48, 36315), (49, 36333), (56, 36369), (83, 36477), (86, 36489), (103, 36654), (104, 36660), (114, 36855), (117, 36876), (119, 36897), (120, 36906), (126, 36963), (128, 37005), (130, 37059), (131, 37104), (139, 37173), (141, 37209), (143, 37236), (145, 37263), (149, 37323), (152, 37356), (153, 37359), (157, 37389), (158, 37407), (166, 37548), (171, 37599), (223, 37809), (224, 37815), (228, 37854), (229, 37896), (231, 37908), (233, 37926), (257, 38100), (259, 38109), (260, 38112), (261, 38115), (263, 38127), (266, 38139), (267, 38142), (272, 38157), (289, 38244), (293, 38259), (308, 38403), (310, 38415), (327, 38595), (331, 38613), (343, 38694), (347, 38730), (351, 38751), (354, 38817),

Gene: YoungMoneyMata_90 Start: 34999, Stop: 37623, Start Num: 36

Candidate Starts for YoungMoneyMata_90:

(Start: 36 @34999 has 160 MA's), (47, 35068), (48, 35074), (49, 35092), (56, 35128), (83, 35236), (86, 35248), (103, 35413), (104, 35419), (114, 35614), (117, 35635), (119, 35656), (120, 35665), (126, 35722), (128, 35764), (130, 35818), (131, 35863), (139, 35932), (141, 35968), (143, 35995), (145, 36022), (149, 36082), (152, 36115), (153, 36118), (157, 36148), (158, 36166), (166, 36307), (171, 36358), (223, 36568), (224, 36574), (228, 36613), (229, 36655), (231, 36667), (233, 36685), (257, 36859), (259, 36868), (260, 36871), (261, 36874), (263, 36886), (266, 36898), (267, 36901), (272, 36916), (289, 37003), (293, 37018), (308, 37162), (310, 37174), (327, 37354), (331, 37372), (343,

37453), (347, 37489), (351, 37510), (354, 37576),

Gene: Yucca_90 Start: 36162, Stop: 38786, Start Num: 36

Candidate Starts for Yucca_90:

(Start: 36 @36162 has 160 MA's), (47, 36231), (48, 36237), (49, 36255), (56, 36291), (83, 36399), (86, 36411), (103, 36576), (104, 36582), (114, 36777), (117, 36798), (119, 36819), (120, 36828), (126, 36885), (128, 36927), (130, 36981), (131, 37026), (139, 37095), (141, 37131), (143, 37158), (145, 37185), (149, 37245), (152, 37278), (153, 37281), (157, 37311), (158, 37329), (166, 37470), (171, 37521), (223, 37731), (224, 37737), (228, 37776), (229, 37818), (231, 37830), (233, 37848), (257, 38022), (259, 38031), (260, 38034), (261, 38037), (263, 38049), (266, 38061), (267, 38064), (272, 38079), (289, 38166), (293, 38181), (308, 38325), (310, 38337), (327, 38517), (331, 38535), (343, 38616), (347, 38652), (351, 38673), (354, 38739),

Gene: Zalkecks_91 Start: 35928, Stop: 38552, Start Num: 36

Candidate Starts for Zalkecks_91:

(Start: 36 @35928 has 160 MA's), (47, 35997), (48, 36003), (49, 36021), (56, 36057), (83, 36165), (86, 36177), (103, 36342), (104, 36348), (114, 36543), (117, 36564), (119, 36585), (120, 36594), (126, 36651), (128, 36693), (130, 36747), (131, 36792), (139, 36861), (141, 36897), (143, 36924), (145, 36951), (149, 37011), (152, 37044), (153, 37047), (157, 37077), (158, 37095), (166, 37236), (171, 37287), (223, 37497), (224, 37503), (228, 37542), (229, 37584), (231, 37596), (233, 37614), (257, 37788), (259, 37797), (260, 37800), (261, 37803), (263, 37815), (266, 37827), (267, 37830), (272, 37845), (289, 37932), (293, 37947), (308, 38091), (310, 38103), (327, 38283), (331, 38301), (343, 38382), (347, 38418), (351, 38439), (354, 38505),

Gene: Zeenon_92 Start: 35855, Stop: 38479, Start Num: 36

Candidate Starts for Zeenon_92:

(Start: 36 @35855 has 160 MA's), (47, 35924), (48, 35930), (49, 35948), (56, 35984), (83, 36092), (86, 36104), (103, 36269), (104, 36275), (114, 36470), (117, 36491), (119, 36512), (120, 36521), (126, 36578), (128, 36620), (130, 36674), (131, 36719), (139, 36788), (141, 36824), (143, 36851), (145, 36878), (149, 36938), (152, 36971), (153, 36974), (157, 37004), (158, 37022), (166, 37163), (171, 37214), (223, 37424), (224, 37430), (228, 37469), (229, 37511), (231, 37523), (233, 37541), (257, 37715), (259, 37724), (260, 37727), (261, 37730), (263, 37742), (266, 37754), (267, 37757), (272, 37772), (289, 37859), (293, 37874), (308, 38018), (310, 38030), (327, 38210), (331, 38228), (343, 38309), (347, 38345), (351, 38366), (354, 38432),

Gene: ZygoTaiga_89 Start: 36244, Stop: 38868, Start Num: 36

Candidate Starts for ZygoTaiga_89:

(Start: 36 @36244 has 160 MA's), (47, 36313), (48, 36319), (49, 36337), (56, 36373), (83, 36481), (86, 36493), (103, 36658), (104, 36664), (114, 36859), (117, 36880), (119, 36901), (120, 36910), (126, 36967), (128, 37009), (130, 37063), (131, 37108), (139, 37177), (141, 37213), (143, 37240), (145, 37267), (149, 37327), (152, 37360), (153, 37363), (157, 37393), (158, 37411), (166, 37552), (171, 37603), (223, 37813), (224, 37819), (228, 37858), (229, 37900), (231, 37912), (233, 37930), (257, 38104), (259, 38113), (260, 38116), (261, 38119), (263, 38131), (266, 38143), (267, 38146), (272, 38161), (289, 38248), (293, 38263), (308, 38407), (310, 38419), (327, 38599), (331, 38617), (343, 38698), (347, 38734), (351, 38755), (354, 38821),