Pham 347229


1: Settecandela_46 + 1
2: EggyFarm_98 + 2
3: Babyland_90 + 101
4: Chargie21_86 + 34
5: Adingl_90 + 19
6: I3_96 + 23
7: PurduePete_90 + 10
8: Bangla1971_91 + 10
9: Shifa_79
10: Lunareta_87 + 1
11: Tonenili_104 + 1
12: Mangeria_90
13: Primadonna_84
14: Colt_80
15: Jedediah_93
16: Blubba_79
17: Pinkcreek_81
18: JigglyPuff_96
19: ET08_79 + 1
20: JayJay_96
21: Cane17_79
22: Phabba_94
23: Myrna_89
24: Greely_91
25: SkoobyDoobyDoo1_84
26: SCentae_87
27: CherryTomatoes_88
28: Skog_151
29: Pupper_88
30: Stormageddon_11 + 1
31: Finch_15
32: E3_gp72
33: JeanGrey_27

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 347229 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347229 has 237 members, 32 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_46, Phrappuccino_46
• Track 2 : EggyFarm_98, Grasshills_97, BigCity_98
• Track 3 : Babyland_90, Lethe_89, Belieber_84, JulietS_83, Bxz1_89, Shrimp_90, Ngannou_86, Iota_84, Yucca_90, Salacia_94, Lee7_93, Pivoine_89, Duckfeet_81, Megamind_89, MikeLiesIn_91, Amataga_90, 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, SoilZilla_86, Audrick_92, Sauce_90, Fixie_82, OrediggerDelux_93, Loanshark_90, Willis_91, NedWong_91, Ronan_83, Cali_85, Khaleesi_89, Naval22_98, InigoMontoya_91, LinStu_90, Tainan_95, TinyTim_90, DrPhinkDaddy_89, Dandelion_97, Bipolarisk_89, FoxtrotP1_90, Demodog_97, Momo_89, Norm_91, SrishMeg2525_89, Izajani_90, Lukilu_81, Phusco_90, QBert_84, Jessibeth14_89, EmmaElysia_89, Delylah_93, Erdmann_91, Bonray_90, Latch_90, Tortoise16_88, Gamgam_90, Zalkecks_91, YemiJoy2021_91, Grungle_77, SiwenD96_89, Fongie_88, Rocha_89, Issimir_89, Shelob_92, Delilah_90, Patter_90, Pupusa_95, Zeenon_92, Dessert_91, Ava3_91, FudgeTart_90, Sprinklers_85, Daffodil_95, Halldule_83, Guwapp_89, GlutenPhree_91, Breeniome_90, Yassified_86, Burrough_90, ZygoTaiga_89, Roots515_89, Atlantean_89, Maturis_88, Koguma_86, CharlieB_85, Phlegm_92, YoungMoneyMata_90, Shaqnato_82, Sebata_91, MoMoMixon_91, Gabriel_92, McGee_91
• Track 4 : Chargie21_86, Flabslab_85, Moby_81, ChaylaJr_85, ErnieJ_86, Moiqah_81, Fludd_90, BackyardAgain_87, StubbySaigey_92, Melpomini_84, DeejaClivia_79, ScottMcG_87, 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, BobaPhatt_86, Trinitium_86, Cactojaque_85, Dietrick_82, Basquiat_86, Bezza_84, Stubby_83, EasyJones_93
• Track 5 : Ading_90, Essence_87, Tyke_92, CindyLou_91, Substance289_87, LifeSavor_89, Chomp_89, Jaygup_90, BeanWater_82, Derek_90, ShiaLabeouf_90, Pio_94, Pier_94, Spec_87, Jemmno_90, Rahel_89, Adlitam_90, JPickles_88, Matsumoto_89, Shnickers_90
• Track 6 : I3_96, FrayBell_96, DirtMonster_83, BananaFence_89, Labradorite_92, NuevoMundo_96, Bowman_93, IkeLoa_84, Bigswole_95, Nappy_92, BadAgartude_87, GoldenSnow_95, Domi_84, StephanieG_89, InterFolia_99, NoodleTree_98, Darko_90, Mikro_88, Cleatunium_85, LordLeafolot_96, RoMag_85, Jezreel_90, LookingGlass_91, PharkleMinkus_94

• Track 7 : PurduePete_90, Napoleon13_86, Bread_90, Asterius_93, SVoro_88, Capablanca_92, McWolfish_88, Maby2021_90, Wally_89, Nidhogg_91, Rizal_88
• Track 8 : Bangla1971_91, Puhon_95, Teardrop_90, ArcherS7_89, Maguvora_96, Specks_96, Littleton_90, LolaVinca_92, Drazdys_90, Astraea_88, SmallFry_90
• 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 : Colt_80
• Track 15 : Jedediah_93
• Track 16 : Blubba_79
• Track 17 : Pinkcreek_81
• Track 18 : JigglyPuff_96
• Track 19 : ET08_79, Gizmo_94
• Track 20 : JayJay_96
• Track 21 : Cane17_79
• Track 22 : Phabba_94
• Track 23 : Myrna_89
• Track 24 : Greely_91
• Track 25 : ScoobyDoobyDoo_84
• Track 26 : SCentae_87
• Track 27 : CherryTomatoes_88
• Track 28 : Skog_151
• Track 29 : Pupper_88
• Track 30 : Stormageddon_11, RedWattleHog_11
• Track 31 : Finch_15
• Track 32 : E3_gp72
• Track 33 : 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 24, it was called in 171 of the 205 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_84, BigCity_98, Bigswole_95, Bipolarisk_89, Blackbrain_85, Blackdragon_84, Blubba_79, BobaPhatt_86, Bonray_90, Bowman_93, 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_91, 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_82, Flabslab_85, Fludd_90, Fongie_88, FoxtrotP1_90, FrayBell_96, FudgeTart_90, Gabriel_92, Gamgam_90, Ghost_89, Gizmo_94, GlutenPhree_91,

GoldenSnow_95, 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_92, Latch_90, Lee7_93, Lethe_89, LinStu_90, Littleton_90, Loanshark_90, LolaVinca_92, LookingGlass_91, LordLeafolot_96, Lukilu_81, Lunareta_87, Maby2021_90, Maguvora_96, 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_98, NedWong_91, Ngannou_86, Nidhogg_91, NoodleTree_98, Norm_91, NuevoMundo_96, OrediggerDelux_93, ParkTD_91, Patter_90, PharkleMinkus_94, Phlegm_92, Phox_87, Phusco_90, Pinkcreek_81, Pivoine_89, Pleione_93, Primadonna_84, Puhon_95, 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, SiwenD96_89, SmallFry_90, SoilZilla_86, 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:
•

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_87, Stormageddon_11, Substance289_87, Tyke_92,

Summary by start number:

Start 1:
• Found in 22 of 237 (9.3%) of genes in pham
• Manual Annotations of this start: 20 of 205
• Called 95.5% of time when present
• Phage (with cluster) where this start called: Ading_90 (C1), Adlitam_90 (C1), BeanWater_82 (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), Pier_94 (C1), Pio_94 (C1), Rahel_89 (C1), ShiaLabeouf_90 (C1), Shnickers_90 (C1), Spec_87 (C1), Substance289_87 (C1), Tyke_92 (C1),

Start 2:
• Found in 23 of 237 (9.7%) of genes in pham
• Manual Annotations of this start: 2 of 205
• Called 8.7% of time when present
• Phage (with cluster) where this start called: JayJay_96 (C1), ScoobyDoobyDoo_84 (C2),

Start 24:
• Found in 200 of 237 (84.4%) of genes in pham
• Manual Annotations of this start: 171 of 205
• 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_84 (C1), BigCity_98 (C1), Bigswole_95 (C1), Bipolarisk_89 (C1), Blackbrain_85 (C1), Blackdragon_84 (C1), Blubba_79 (C1), BobaPhatt_86 (C1), Bonray_90 (C1), Bowman_93 (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_91 (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_82 (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), GoldenSnow_95 (C1), Grasshills_97 (C1), Grungle_77 (C1), Guwapp_89 (C1), Halldule_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_92 (C1), Latch_90 (C1), Lee7_93 (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), Maguvora_96 (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_98 (C1), NedWong_91 (C1), Ngannou_86 (C1), Nidhogg_91 (C1), NoodleTree_98 (C1), Norm_91 (C1), NuevoMundo_96 (C1), OrediggerDelux_93 (C1), ParkTD_91 (C1), Patter_90 (C1), PharkleMinkus_94 (C1), Phlegm_92 (C1), Phox_87 (C1), Phusco_90 (C1), Pinkcreek_81 (C1), Pivoine_89 (C1), Pleione_93 (C1), Primadonna_84 (C1), Puhon_95 (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), SiwenD96_89 (C1), SmallFry_90 (C1), SoilZilla_86 (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 27:
• Found in 2 of 237 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 205
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_46 (AA), Settecandela_46 (AA),

Start 29:
• Found in 4 of 237 (1.7%) of genes in pham
• Manual Annotations of this start: 3 of 205
• Called 75.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_88 (DO), SCentae_87 (DO), Skog_151 (DO),

Start 30:
• Found in 4 of 237 (1.7%) of genes in pham
• Manual Annotations of this start: 3 of 205
• 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 31:
• Found in 7 of 237 (3.0%) of genes in pham
• Manual Annotations of this start: 3 of 205
• 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 38:
• Found in 2 of 237 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 205
• Called 50.0% 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 27 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 20 times for cluster C1.
•Start number 2 was manually annotated 1 time for cluster C1.
•Start number 24 was manually annotated 171 times for cluster C1.

Info for manual annotations of cluster C2:
•Start number 2 was manually annotated 1 time for cluster C2.
•Start number 31 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster DO:
•Start number 29 was manually annotated 3 times for cluster DO.

•Start number 31 was manually annotated 1 time for cluster DO.

Info for manual annotations of cluster DX:
•Start number 30 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Ablatia_88 Start: 34739, Stop: 37342, Start Num: 24
Candidate Starts for Ablatia_88:
(Start: 24 @34739 has 171 MA's), (35, 34808), (36, 34814), (37, 34832), (44, 34868), (71, 34976), (74, 34988), (91, 35153), (92, 35159), (102, 35354), (105, 35375), (107, 35396), (108, 35405), (114, 35462), (116, 35504), (118, 35558), (119, 35603), (127, 35672), (129, 35708), (131, 35735), (133, 35762), (137, 35822), (140, 35855), (141, 35858), (144, 35879), (146, 35906), (150, 35978), (154, 36047), (159, 36098), (211, 36308), (212, 36314), (213, 36320), (216, 36353), (217, 36395), (219, 36407), (221, 36425), (245, 36599), (247, 36608), (248, 36611), (249, 36614), (251, 36626), (254, 36638), (255, 36641), (260, 36656), (277, 36722), (281, 36737), (295, 36881), (297, 36893), (314, 37073), (318, 37091), (330, 37172), (334, 37208), (338, 37229), (341, 37295),

Gene: Ading_90 Start: 35182, Stop: 38610, Start Num: 1
Candidate Starts for Ading_90:
(Start: 1 @35182 has 20 MA's), (Start: 2 @35251 has 2 MA's), (3, 35257), (4, 35275), (6, 35311), (10, 35419), (11, 35431), (13, 35554), (14, 35605), (15, 35659), (16, 35671), (17, 35692), (25, 35986), (32, 36031), (46, 36109), (55, 36145), (63, 36178), (67, 36193), (76, 36238), (78, 36247), (82, 36280), (85, 36316), (91, 36400), (92, 36406), (102, 36601), (105, 36622), (107, 36643), (108, 36652), (114, 36709), (116, 36751), (118, 36805), (119, 36850), (127, 36919), (129, 36955), (131, 36982), (133, 37009), (137, 37069), (140, 37102), (141, 37105), (145, 37135), (146, 37153), (154, 37294), (159, 37345), (211, 37555), (212, 37561), (216, 37600), (217, 37642), (219, 37654), (221, 37672), (245, 37846), (247, 37855), (248, 37858), (249, 37861), (251, 37873), (254, 37885), (255, 37888), (260, 37903), (277, 37990), (281, 38005), (295, 38149), (297, 38161), (314, 38341), (318, 38359), (330, 38440), (334, 38476), (338, 38497), (341, 38563),

Gene: Adlitam_90 Start: 35199, Stop: 38627, Start Num: 1
Candidate Starts for Adlitam_90:
(Start: 1 @35199 has 20 MA's), (Start: 2 @35268 has 2 MA's), (3, 35274), (4, 35292), (6, 35328), (10, 35436), (11, 35448), (13, 35571), (14, 35622), (15, 35676), (16, 35688), (17, 35709), (25, 36003), (32, 36048), (46, 36126), (55, 36162), (63, 36195), (67, 36210), (76, 36255), (78, 36264), (82, 36297), (85, 36333), (91, 36417), (92, 36423), (102, 36618), (105, 36639), (107, 36660), (108, 36669), (114, 36726), (116, 36768), (118, 36822), (119, 36867), (127, 36936), (129, 36972), (131, 36999), (133, 37026), (137, 37086), (140, 37119), (141, 37122), (145, 37152), (146, 37170), (154, 37311), (159, 37362), (211, 37572), (212, 37578), (216, 37617), (217, 37659), (219, 37671), (221, 37689), (245, 37863), (247, 37872), (248, 37875), (249, 37878), (251, 37890), (254, 37902), (255, 37905), (260, 37920), (277, 38007), (281, 38022), (295, 38166), (297, 38178), (314, 38358), (318, 38376), (330, 38457), (334, 38493), (338, 38514), (341, 38580),

Gene: Alice_83 Start: 33887, Stop: 36490, Start Num: 24
Candidate Starts for Alice_83:
(Start: 24 @33887 has 171 MA's), (35, 33956), (36, 33962), (37, 33980), (44, 34016), (71, 34124), (74, 34136), (91, 34301), (92, 34307), (102, 34502), (105, 34523), (107, 34544), (108, 34553), (114, 34610), (116, 34652), (118, 34706), (119, 34751), (127, 34820), (129, 34856), (131, 34883), (133, 34910), (137, 34970), (140, 35003), (141, 35006), (144, 35027), (146, 35054), (150, 35126), (154, 35195), (159, 35246), (211, 35456), (212, 35462), (213, 35468), (216, 35501), (217, 35543), (219,

35555), (221, 35573), (245, 35747), (247, 35756), (248, 35759), (249, 35762), (251, 35774), (254, 35786), (255, 35789), (260, 35804), (277, 35870), (281, 35885), (295, 36029), (297, 36041), (314, 36221), (318, 36239), (330, 36320), (334, 36356), (338, 36377), (341, 36443),

Gene: Amataga_90 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Amataga_90:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: ArcherS7_89 Start: 35566, Stop: 38190, Start Num: 24
Candidate Starts for ArcherS7_89:
(Start: 24 @35566 has 171 MA's), (35, 35635), (36, 35641), (37, 35659), (44, 35695), (71, 35803), (74, 35815), (91, 35980), (92, 35986), (102, 36181), (105, 36202), (107, 36223), (108, 36232), (114, 36289), (116, 36331), (118, 36385), (119, 36430), (127, 36499), (129, 36535), (131, 36562), (133, 36589), (137, 36649), (138, 36661), (140, 36682), (141, 36685), (145, 36715), (146, 36733), (154, 36874), (159, 36925), (211, 37135), (212, 37141), (216, 37180), (217, 37222), (219, 37234), (221, 37252), (245, 37426), (247, 37435), (248, 37438), (249, 37441), (251, 37453), (254, 37465), (255, 37468), (260, 37483), (277, 37570), (281, 37585), (295, 37729), (297, 37741), (314, 37921), (318, 37939), (330, 38020), (334, 38056), (338, 38077), (341, 38143),

Gene: Asterius_93 Start: 35551, Stop: 38175, Start Num: 24
Candidate Starts for Asterius_93:
(Start: 24 @35551 has 171 MA's), (35, 35620), (36, 35626), (37, 35644), (44, 35680), (71, 35788), (74, 35800), (91, 35965), (92, 35971), (102, 36166), (105, 36187), (107, 36208), (108, 36217), (114, 36274), (116, 36316), (118, 36370), (119, 36415), (127, 36484), (129, 36520), (131, 36547), (133, 36574), (137, 36634), (140, 36667), (141, 36670), (144, 36691), (146, 36718), (150, 36790), (154, 36859), (159, 36910), (211, 37120), (212, 37126), (216, 37165), (217, 37207), (219, 37219), (221, 37237), (245, 37411), (247, 37420), (248, 37423), (249, 37426), (251, 37438), (254, 37450), (255, 37453), (260, 37468), (277, 37555), (281, 37570), (295, 37714), (297, 37726), (314, 37906), (318, 37924), (330, 38005), (334, 38041), (338, 38062), (341, 38128),

Gene: Astraea_88 Start: 35427, Stop: 38051, Start Num: 24
Candidate Starts for Astraea_88:
(Start: 24 @35427 has 171 MA's), (35, 35496), (36, 35502), (37, 35520), (44, 35556), (71, 35664), (74, 35676), (91, 35841), (92, 35847), (102, 36042), (105, 36063), (107, 36084), (108, 36093), (114, 36150), (116, 36192), (118, 36246), (119, 36291), (127, 36360), (129, 36396), (131, 36423), (133, 36450), (137, 36510), (138, 36522), (140, 36543), (141, 36546), (145, 36576), (146, 36594), (154, 36735), (159, 36786), (211, 36996), (212, 37002), (216, 37041), (217, 37083), (219, 37095), (221, 37113), (245, 37287), (247, 37296), (248, 37299), (249, 37302), (251, 37314), (254, 37326), (255, 37329), (260, 37344), (277, 37431), (281, 37446), (295, 37590), (297, 37602), (314, 37782), (318, 37800), (330, 37881), (334, 37917), (338, 37938), (341, 38004),

Gene: Atlantean_89 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Atlantean_89:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133,

36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Audrick_92 Start: 35227, Stop: 37851, Start Num: 24
Candidate Starts for Audrick_92:
(Start: 24 @35227 has 171 MA's), (35, 35296), (36, 35302), (37, 35320), (44, 35356), (71, 35464), (74, 35476), (91, 35641), (92, 35647), (102, 35842), (105, 35863), (107, 35884), (108, 35893), (114, 35950), (116, 35992), (118, 36046), (119, 36091), (127, 36160), (129, 36196), (131, 36223), (133, 36250), (137, 36310), (140, 36343), (141, 36346), (145, 36376), (146, 36394), (154, 36535), (159, 36586), (211, 36796), (212, 36802), (216, 36841), (217, 36883), (219, 36895), (221, 36913), (245, 37087), (247, 37096), (248, 37099), (249, 37102), (251, 37114), (254, 37126), (255, 37129), (260, 37144), (277, 37231), (281, 37246), (295, 37390), (297, 37402), (314, 37582), (318, 37600), (330, 37681), (334, 37717), (338, 37738), (341, 37804),

Gene: Ava3_91 Start: 35924, Stop: 38548, Start Num: 24
Candidate Starts for Ava3_91:
(Start: 24 @35924 has 171 MA's), (35, 35993), (36, 35999), (37, 36017), (44, 36053), (71, 36161), (74, 36173), (91, 36338), (92, 36344), (102, 36539), (105, 36560), (107, 36581), (108, 36590), (114, 36647), (116, 36689), (118, 36743), (119, 36788), (127, 36857), (129, 36893), (131, 36920), (133, 36947), (137, 37007), (140, 37040), (141, 37043), (145, 37073), (146, 37091), (154, 37232), (159, 37283), (211, 37493), (212, 37499), (216, 37538), (217, 37580), (219, 37592), (221, 37610), (245, 37784), (247, 37793), (248, 37796), (249, 37799), (251, 37811), (254, 37823), (255, 37826), (260, 37841), (277, 37928), (281, 37943), (295, 38087), (297, 38099), (314, 38279), (318, 38297), (330, 38378), (334, 38414), (338, 38435), (341, 38501),

Gene: Babyland_90 Start: 34687, Stop: 37311, Start Num: 24
Candidate Starts for Babyland_90:
(Start: 24 @34687 has 171 MA's), (35, 34756), (36, 34762), (37, 34780), (44, 34816), (71, 34924), (74, 34936), (91, 35101), (92, 35107), (102, 35302), (105, 35323), (107, 35344), (108, 35353), (114, 35410), (116, 35452), (118, 35506), (119, 35551), (127, 35620), (129, 35656), (131, 35683), (133, 35710), (137, 35770), (140, 35803), (141, 35806), (145, 35836), (146, 35854), (154, 35995), (159, 36046), (211, 36256), (212, 36262), (216, 36301), (217, 36343), (219, 36355), (221, 36373), (245, 36547), (247, 36556), (248, 36559), (249, 36562), (251, 36574), (254, 36586), (255, 36589), (260, 36604), (277, 36691), (281, 36706), (295, 36850), (297, 36862), (314, 37042), (318, 37060), (330, 37141), (334, 37177), (338, 37198), (341, 37264),

Gene: BackyardAgain_87 Start: 34766, Stop: 37369, Start Num: 24
Candidate Starts for BackyardAgain_87:
(Start: 24 @34766 has 171 MA's), (35, 34835), (36, 34841), (37, 34859), (44, 34895), (71, 35003), (74, 35015), (91, 35180), (92, 35186), (102, 35381), (105, 35402), (107, 35423), (108, 35432), (114, 35489), (116, 35531), (118, 35585), (119, 35630), (127, 35699), (129, 35735), (131, 35762), (133, 35789), (137, 35849), (140, 35882), (141, 35885), (144, 35906), (146, 35933), (150, 36005), (154, 36074), (159, 36125), (211, 36335), (212, 36341), (213, 36347), (216, 36380), (217, 36422), (219, 36434), (221, 36452), (245, 36626), (247, 36635), (248, 36638), (249, 36641), (251, 36653), (254, 36665), (255, 36668), (260, 36683), (277, 36749), (281, 36764), (295, 36908), (297, 36920), (314, 37100), (318, 37118), (330, 37199), (334, 37235), (338, 37256), (341, 37322),

Gene: BadAgartude_87 Start: 36307, Stop: 38931, Start Num: 24
Candidate Starts for BadAgartude_87:

(Start: 24 @36307 has 171 MA's), (35, 36376), (36, 36382), (37, 36400), (44, 36436), (71, 36544), (74, 36556), (91, 36721), (92, 36727), (102, 36922), (105, 36943), (107, 36964), (108, 36973), (114, 37030), (116, 37072), (118, 37126), (119, 37171), (127, 37240), (129, 37276), (131, 37303), (133, 37330), (137, 37390), (140, 37423), (141, 37426), (145, 37456), (146, 37474), (154, 37615), (159, 37666), (211, 37876), (212, 37882), (213, 37888), (216, 37921), (217, 37963), (219, 37975), (221, 37993), (245, 38167), (247, 38176), (248, 38179), (249, 38182), (251, 38194), (254, 38206), (255, 38209), (260, 38224), (277, 38311), (281, 38326), (295, 38470), (297, 38482), (314, 38662), (318, 38680), (330, 38761), (334, 38797), (338, 38818), (341, 38884),

Gene: BananaFence_89 Start: 35789, Stop: 38413, Start Num: 24
Candidate Starts for BananaFence_89:
(Start: 24 @35789 has 171 MA's), (35, 35858), (36, 35864), (37, 35882), (44, 35918), (71, 36026), (74, 36038), (91, 36203), (92, 36209), (102, 36404), (105, 36425), (107, 36446), (108, 36455), (114, 36512), (116, 36554), (118, 36608), (119, 36653), (127, 36722), (129, 36758), (131, 36785), (133, 36812), (137, 36872), (140, 36905), (141, 36908), (145, 36938), (146, 36956), (154, 37097), (159, 37148), (211, 37358), (212, 37364), (213, 37370), (216, 37403), (217, 37445), (219, 37457), (221, 37475), (245, 37649), (247, 37658), (248, 37661), (249, 37664), (251, 37676), (254, 37688), (255, 37691), (260, 37706), (277, 37793), (281, 37808), (295, 37952), (297, 37964), (314, 38144), (318, 38162), (330, 38243), (334, 38279), (338, 38300), (341, 38366),

Gene: Bangla1971_91 Start: 35696, Stop: 38320, Start Num: 24
Candidate Starts for Bangla1971_91:
(Start: 24 @35696 has 171 MA's), (35, 35765), (36, 35771), (37, 35789), (44, 35825), (71, 35933), (74, 35945), (91, 36110), (92, 36116), (102, 36311), (105, 36332), (107, 36353), (108, 36362), (114, 36419), (116, 36461), (118, 36515), (119, 36560), (127, 36629), (129, 36665), (131, 36692), (133, 36719), (137, 36779), (138, 36791), (140, 36812), (141, 36815), (145, 36845), (146, 36863), (154, 37004), (159, 37055), (211, 37265), (212, 37271), (216, 37310), (217, 37352), (219, 37364), (221, 37382), (245, 37556), (247, 37565), (248, 37568), (249, 37571), (251, 37583), (254, 37595), (255, 37598), (260, 37613), (277, 37700), (281, 37715), (295, 37859), (297, 37871), (314, 38051), (318, 38069), (330, 38150), (334, 38186), (338, 38207), (341, 38273),

Gene: Basquiat_86 Start: 34263, Stop: 36866, Start Num: 24
Candidate Starts for Basquiat_86:
(Start: 24 @34263 has 171 MA's), (35, 34332), (36, 34338), (37, 34356), (44, 34392), (71, 34500), (74, 34512), (91, 34677), (92, 34683), (102, 34878), (105, 34899), (107, 34920), (108, 34929), (114, 34986), (116, 35028), (118, 35082), (119, 35127), (127, 35196), (129, 35232), (131, 35259), (133, 35286), (137, 35346), (140, 35379), (141, 35382), (144, 35403), (146, 35430), (150, 35502), (154, 35571), (159, 35622), (211, 35832), (212, 35838), (213, 35844), (216, 35877), (217, 35919), (219, 35931), (221, 35949), (245, 36123), (247, 36132), (248, 36135), (249, 36138), (251, 36150), (254, 36162), (255, 36165), (260, 36180), (277, 36246), (281, 36261), (295, 36405), (297, 36417), (314, 36597), (318, 36615), (330, 36696), (334, 36732), (338, 36753), (341, 36819),

Gene: BeanWater_82 Start: 34836, Stop: 38264, Start Num: 1
Candidate Starts for BeanWater_82:
(Start: 1 @34836 has 20 MA's), (Start: 2 @34905 has 2 MA's), (3, 34911), (4, 34929), (6, 34965), (10, 35073), (11, 35085), (13, 35208), (14, 35259), (15, 35313), (16, 35325), (17, 35346), (25, 35640), (32, 35685), (46, 35763), (55, 35799), (63, 35832), (67, 35847), (76, 35892), (78, 35901), (82, 35934), (85, 35970), (91, 36054), (92, 36060), (102, 36255), (105, 36276), (107, 36297), (108, 36306), (114, 36363), (116, 36405), (118, 36459), (119, 36504), (127, 36573), (129, 36609), (131, 36636), (133, 36663), (137, 36723), (140, 36756), (141, 36759), (145, 36789), (146, 36807), (154, 36948), (159, 36999), (211, 37209), (212, 37215), (216, 37254), (217, 37296), (219, 37308), (221, 37326), (245, 37500), (247, 37509), (248, 37512), (249, 37515), (251, 37527), (254, 37539), (255, 37542), (260, 37557), (277, 37644), (281, 37659), (295, 37803), (297, 37815), (314, 37995), (318, 38013), (330,

38094), (334, 38130), (338, 38151), (341, 38217),

Gene: Belieber_84 Start: 34600, Stop: 37224, Start Num: 24
Candidate Starts for Belieber_84:
(Start: 24 @34600 has 171 MA's), (35, 34669), (36, 34675), (37, 34693), (44, 34729), (71, 34837), (74, 34849), (91, 35014), (92, 35020), (102, 35215), (105, 35236), (107, 35257), (108, 35266), (114, 35323), (116, 35365), (118, 35419), (119, 35464), (127, 35533), (129, 35569), (131, 35596), (133, 35623), (137, 35683), (140, 35716), (141, 35719), (145, 35749), (146, 35767), (154, 35908), (159, 35959), (211, 36169), (212, 36175), (216, 36214), (217, 36256), (219, 36268), (221, 36286), (245, 36460), (247, 36469), (248, 36472), (249, 36475), (251, 36487), (254, 36499), (255, 36502), (260, 36517), (277, 36604), (281, 36619), (295, 36763), (297, 36775), (314, 36955), (318, 36973), (330, 37054), (334, 37090), (338, 37111), (341, 37177),

Gene: Bezza_84 Start: 34578, Stop: 37181, Start Num: 24
Candidate Starts for Bezza_84:
(Start: 24 @34578 has 171 MA's), (35, 34647), (36, 34653), (37, 34671), (44, 34707), (71, 34815), (74, 34827), (91, 34992), (92, 34998), (102, 35193), (105, 35214), (107, 35235), (108, 35244), (114, 35301), (116, 35343), (118, 35397), (119, 35442), (127, 35511), (129, 35547), (131, 35574), (133, 35601), (137, 35661), (140, 35694), (141, 35697), (144, 35718), (146, 35745), (150, 35817), (154, 35886), (159, 35937), (211, 36147), (212, 36153), (213, 36159), (216, 36192), (217, 36234), (219, 36246), (221, 36264), (245, 36438), (247, 36447), (248, 36450), (249, 36453), (251, 36465), (254, 36477), (255, 36480), (260, 36495), (277, 36561), (281, 36576), (295, 36720), (297, 36732), (314, 36912), (318, 36930), (330, 37011), (334, 37047), (338, 37068), (341, 37134),

Gene: BigCity_98 Start: 38300, Stop: 40924, Start Num: 24
Candidate Starts for BigCity_98:
(Start: 24 @38300 has 171 MA's), (35, 38369), (36, 38375), (37, 38393), (44, 38429), (71, 38537), (74, 38549), (92, 38720), (102, 38915), (105, 38936), (107, 38957), (108, 38966), (114, 39023), (116, 39065), (118, 39119), (119, 39164), (127, 39233), (129, 39269), (131, 39296), (133, 39323), (137, 39383), (140, 39416), (141, 39419), (145, 39449), (146, 39467), (154, 39608), (159, 39659), (211, 39869), (212, 39875), (213, 39881), (216, 39914), (217, 39956), (219, 39968), (221, 39986), (245, 40160), (247, 40169), (248, 40172), (249, 40175), (251, 40187), (254, 40199), (255, 40202), (260, 40217), (277, 40304), (281, 40319), (295, 40463), (297, 40475), (314, 40655), (318, 40673), (330, 40754), (334, 40790), (338, 40811), (341, 40877),

Gene: Bigswole_95 Start: 38669, Stop: 41272, Start Num: 24
Candidate Starts for Bigswole_95:
(Start: 24 @38669 has 171 MA's), (35, 38738), (36, 38744), (37, 38762), (44, 38798), (71, 38906), (74, 38918), (91, 39083), (92, 39089), (102, 39284), (105, 39305), (107, 39326), (108, 39335), (114, 39392), (116, 39434), (118, 39488), (119, 39533), (127, 39602), (129, 39638), (131, 39665), (133, 39692), (137, 39752), (140, 39785), (141, 39788), (145, 39818), (146, 39836), (154, 39977), (159, 40028), (211, 40238), (212, 40244), (213, 40250), (216, 40283), (217, 40325), (219, 40337), (221, 40355), (245, 40529), (247, 40538), (248, 40541), (249, 40544), (251, 40556), (254, 40568), (255, 40571), (260, 40586), (277, 40652), (281, 40667), (295, 40811), (297, 40823), (314, 41003), (318, 41021), (330, 41102), (334, 41138), (338, 41159), (341, 41225),

Gene: Bipolarisk_89 Start: 35954, Stop: 38578, Start Num: 24
Candidate Starts for Bipolarisk_89:
(Start: 24 @35954 has 171 MA's), (35, 36023), (36, 36029), (37, 36047), (44, 36083), (71, 36191), (74, 36203), (91, 36368), (92, 36374), (102, 36569), (105, 36590), (107, 36611), (108, 36620), (114, 36677), (116, 36719), (118, 36773), (119, 36818), (127, 36887), (129, 36923), (131, 36950), (133, 36977), (137, 37037), (140, 37070), (141, 37073), (145, 37103), (146, 37121), (154, 37262), (159, 37313), (211, 37523), (212, 37529), (216, 37568), (217, 37610), (219, 37622), (221, 37640), (245,

37814), (247, 37823), (248, 37826), (249, 37829), (251, 37841), (254, 37853), (255, 37856), (260, 37871), (277, 37958), (281, 37973), (295, 38117), (297, 38129), (314, 38309), (318, 38327), (330, 38408), (334, 38444), (338, 38465), (341, 38531),

Gene: Blackbrain_85 Start: 34080, Stop: 36683, Start Num: 24
Candidate Starts for Blackbrain_85:
(Start: 24 @34080 has 171 MA's), (35, 34149), (36, 34155), (37, 34173), (44, 34209), (71, 34317), (74, 34329), (91, 34494), (92, 34500), (102, 34695), (105, 34716), (107, 34737), (108, 34746), (114, 34803), (116, 34845), (118, 34899), (119, 34944), (127, 35013), (129, 35049), (131, 35076), (133, 35103), (137, 35163), (140, 35196), (141, 35199), (144, 35220), (146, 35247), (150, 35319), (154, 35388), (159, 35439), (211, 35649), (212, 35655), (213, 35661), (216, 35694), (217, 35736), (219, 35748), (221, 35766), (245, 35940), (247, 35949), (248, 35952), (249, 35955), (251, 35967), (254, 35979), (255, 35982), (260, 35997), (277, 36063), (281, 36078), (295, 36222), (297, 36234), (314, 36414), (318, 36432), (330, 36513), (334, 36549), (338, 36570), (341, 36636),

Gene: Blackdragon_84 Start: 34772, Stop: 37396, Start Num: 24
Candidate Starts for Blackdragon_84:
(Start: 24 @34772 has 171 MA's), (35, 34841), (36, 34847), (37, 34865), (44, 34901), (71, 35009), (74, 35021), (91, 35186), (92, 35192), (102, 35387), (105, 35408), (107, 35429), (108, 35438), (114, 35495), (116, 35537), (118, 35591), (119, 35636), (127, 35705), (129, 35741), (131, 35768), (133, 35795), (137, 35855), (140, 35888), (141, 35891), (145, 35921), (146, 35939), (154, 36080), (159, 36131), (211, 36341), (212, 36347), (216, 36386), (217, 36428), (219, 36440), (221, 36458), (245, 36632), (247, 36641), (248, 36644), (249, 36647), (251, 36659), (254, 36671), (255, 36674), (260, 36689), (277, 36776), (281, 36791), (295, 36935), (297, 36947), (314, 37127), (318, 37145), (330, 37226), (334, 37262), (338, 37283), (341, 37349),

Gene: Blubba_79 Start: 32769, Stop: 36464, Start Num: 24
Candidate Starts for Blubba_79:
(Start: 24 @32769 has 171 MA's), (35, 32838), (36, 32844), (37, 32862), (44, 32898), (71, 33006), (74, 33018), (91, 33183), (92, 33189), (102, 33384), (105, 33405), (107, 33426), (108, 33435), (114, 33492), (116, 33534), (118, 33588), (119, 33633), (127, 33702), (129, 33738), (131, 33765), (133, 33792), (137, 33852), (140, 33885), (141, 33888), (145, 33918), (146, 33936), (154, 34077), (159, 34128), (172, 34284), (178, 34437), (179, 34461), (180, 34506), (181, 34560), (182, 34596), (184, 34650), (186, 34677), (187, 34710), (189, 34755), (191, 34842), (192, 34872), (193, 34881), (194, 34884), (197, 35013), (198, 35046), (199, 35091), (201, 35109), (202, 35139), (204, 35196), (205, 35238), (208, 35262), (209, 35340), (211, 35409), (212, 35415), (216, 35454), (217, 35496), (219, 35508), (221, 35526), (245, 35700), (247, 35709), (248, 35712), (249, 35715), (251, 35727), (254, 35739), (255, 35742), (260, 35757), (277, 35844), (281, 35859), (295, 36003), (297, 36015), (314, 36195), (318, 36213), (330, 36294), (334, 36330), (338, 36351), (341, 36417),

Gene: BobaPhatt_86 Start: 33902, Stop: 36505, Start Num: 24
Candidate Starts for BobaPhatt_86:
(Start: 24 @33902 has 171 MA's), (35, 33971), (36, 33977), (37, 33995), (44, 34031), (71, 34139), (74, 34151), (91, 34316), (92, 34322), (102, 34517), (105, 34538), (107, 34559), (108, 34568), (114, 34625), (116, 34667), (118, 34721), (119, 34766), (127, 34835), (129, 34871), (131, 34898), (133, 34925), (137, 34985), (140, 35018), (141, 35021), (144, 35042), (146, 35069), (150, 35141), (154, 35210), (159, 35261), (211, 35471), (212, 35477), (213, 35483), (216, 35516), (217, 35558), (219, 35570), (221, 35588), (245, 35762), (247, 35771), (248, 35774), (249, 35777), (251, 35789), (254, 35801), (255, 35804), (260, 35819), (277, 35885), (281, 35900), (295, 36044), (297, 36056), (314, 36236), (318, 36254), (330, 36335), (334, 36371), (338, 36392), (341, 36458),

Gene: Bonray_90 Start: 36351, Stop: 38975, Start Num: 24
Candidate Starts for Bonray_90:

(Start: 24 @36351 has 171 MA's), (35, 36420), (36, 36426), (37, 36444), (44, 36480), (71, 36588), (74, 36600), (91, 36765), (92, 36771), (102, 36966), (105, 36987), (107, 37008), (108, 37017), (114, 37074), (116, 37116), (118, 37170), (119, 37215), (127, 37284), (129, 37320), (131, 37347), (133, 37374), (137, 37434), (140, 37467), (141, 37470), (145, 37500), (146, 37518), (154, 37659), (159, 37710), (211, 37920), (212, 37926), (216, 37965), (217, 38007), (219, 38019), (221, 38037), (245, 38211), (247, 38220), (248, 38223), (249, 38226), (251, 38238), (254, 38250), (255, 38253), (260, 38268), (277, 38355), (281, 38370), (295, 38514), (297, 38526), (314, 38706), (318, 38724), (330, 38805), (334, 38841), (338, 38862), (341, 38928),

Gene: Bowman_93 Start: 36542, Stop: 39166, Start Num: 24
Candidate Starts for Bowman_93:
(Start: 24 @36542 has 171 MA's), (35, 36611), (36, 36617), (37, 36635), (44, 36671), (71, 36779), (74, 36791), (91, 36956), (92, 36962), (102, 37157), (105, 37178), (107, 37199), (108, 37208), (114, 37265), (116, 37307), (118, 37361), (119, 37406), (127, 37475), (129, 37511), (131, 37538), (133, 37565), (137, 37625), (140, 37658), (141, 37661), (145, 37691), (146, 37709), (154, 37850), (159, 37901), (211, 38111), (212, 38117), (213, 38123), (216, 38156), (217, 38198), (219, 38210), (221, 38228), (245, 38402), (247, 38411), (248, 38414), (249, 38417), (251, 38429), (254, 38441), (255, 38444), (260, 38459), (277, 38546), (281, 38561), (295, 38705), (297, 38717), (314, 38897), (318, 38915), (330, 38996), (334, 39032), (338, 39053), (341, 39119),

Gene: Bread_90 Start: 35846, Stop: 38470, Start Num: 24
Candidate Starts for Bread_90:
(Start: 24 @35846 has 171 MA's), (35, 35915), (36, 35921), (37, 35939), (44, 35975), (71, 36083), (74, 36095), (91, 36260), (92, 36266), (102, 36461), (105, 36482), (107, 36503), (108, 36512), (114, 36569), (116, 36611), (118, 36665), (119, 36710), (127, 36779), (129, 36815), (131, 36842), (133, 36869), (137, 36929), (140, 36962), (141, 36965), (144, 36986), (146, 37013), (150, 37085), (154, 37154), (159, 37205), (211, 37415), (212, 37421), (216, 37460), (217, 37502), (219, 37514), (221, 37532), (245, 37706), (247, 37715), (248, 37718), (249, 37721), (251, 37733), (254, 37745), (255, 37748), (260, 37763), (277, 37850), (281, 37865), (295, 38009), (297, 38021), (314, 38201), (318, 38219), (330, 38300), (334, 38336), (338, 38357), (341, 38423),

Gene: Breeniome_90 Start: 35069, Stop: 37693, Start Num: 24
Candidate Starts for Breeniome_90:
(Start: 24 @35069 has 171 MA's), (35, 35138), (36, 35144), (37, 35162), (44, 35198), (71, 35306), (74, 35318), (91, 35483), (92, 35489), (102, 35684), (105, 35705), (107, 35726), (108, 35735), (114, 35792), (116, 35834), (118, 35888), (119, 35933), (127, 36002), (129, 36038), (131, 36065), (133, 36092), (137, 36152), (140, 36185), (141, 36188), (145, 36218), (146, 36236), (154, 36377), (159, 36428), (211, 36638), (212, 36644), (216, 36683), (217, 36725), (219, 36737), (221, 36755), (245, 36929), (247, 36938), (248, 36941), (249, 36944), (251, 36956), (254, 36968), (255, 36971), (260, 36986), (277, 37073), (281, 37088), (295, 37232), (297, 37244), (314, 37424), (318, 37442), (330, 37523), (334, 37559), (338, 37580), (341, 37646),

Gene: Burrough_90 Start: 36503, Stop: 39127, Start Num: 24
Candidate Starts for Burrough_90:
(Start: 24 @36503 has 171 MA's), (35, 36572), (36, 36578), (37, 36596), (44, 36632), (71, 36740), (74, 36752), (91, 36917), (92, 36923), (102, 37118), (105, 37139), (107, 37160), (108, 37169), (114, 37226), (116, 37268), (118, 37322), (119, 37367), (127, 37436), (129, 37472), (131, 37499), (133, 37526), (137, 37586), (140, 37619), (141, 37622), (145, 37652), (146, 37670), (154, 37811), (159, 37862), (211, 38072), (212, 38078), (216, 38117), (217, 38159), (219, 38171), (221, 38189), (245, 38363), (247, 38372), (248, 38375), (249, 38378), (251, 38390), (254, 38402), (255, 38405), (260, 38420), (277, 38507), (281, 38522), (295, 38666), (297, 38678), (314, 38858), (318, 38876), (330, 38957), (334, 38993), (338, 39014), (341, 39080),

Gene: Bxz1_89 Start: 37554, Stop: 40178, Start Num: 24
Candidate Starts for Bxz1_89:
(Start: 24 @37554 has 171 MA's), (35, 37623), (36, 37629), (37, 37647), (44, 37683), (71, 37791), (74, 37803), (91, 37968), (92, 37974), (102, 38169), (105, 38190), (107, 38211), (108, 38220), (114, 38277), (116, 38319), (118, 38373), (119, 38418), (127, 38487), (129, 38523), (131, 38550), (133, 38577), (137, 38637), (140, 38670), (141, 38673), (145, 38703), (146, 38721), (154, 38862), (159, 38913), (211, 39123), (212, 39129), (216, 39168), (217, 39210), (219, 39222), (221, 39240), (245, 39414), (247, 39423), (248, 39426), (249, 39429), (251, 39441), (254, 39453), (255, 39456), (260, 39471), (277, 39558), (281, 39573), (295, 39717), (297, 39729), (314, 39909), (318, 39927), (330, 40008), (334, 40044), (338, 40065), (341, 40131),

Gene: Cactojaque_85 Start: 34187, Stop: 36790, Start Num: 24
Candidate Starts for Cactojaque_85:
(Start: 24 @34187 has 171 MA's), (35, 34256), (36, 34262), (37, 34280), (44, 34316), (71, 34424), (74, 34436), (91, 34601), (92, 34607), (102, 34802), (105, 34823), (107, 34844), (108, 34853), (114, 34910), (116, 34952), (118, 35006), (119, 35051), (127, 35120), (129, 35156), (131, 35183), (133, 35210), (137, 35270), (140, 35303), (141, 35306), (144, 35327), (146, 35354), (150, 35426), (154, 35495), (159, 35546), (211, 35756), (212, 35762), (213, 35768), (216, 35801), (217, 35843), (219, 35855), (221, 35873), (245, 36047), (247, 36056), (248, 36059), (249, 36062), (251, 36074), (254, 36086), (255, 36089), (260, 36104), (277, 36170), (281, 36185), (295, 36329), (297, 36341), (314, 36521), (318, 36539), (330, 36620), (334, 36656), (338, 36677), (341, 36743),

Gene: Cali_85 Start: 36080, Stop: 38704, Start Num: 24
Candidate Starts for Cali_85:
(Start: 24 @36080 has 171 MA's), (35, 36149), (36, 36155), (37, 36173), (44, 36209), (71, 36317), (74, 36329), (91, 36494), (92, 36500), (102, 36695), (105, 36716), (107, 36737), (108, 36746), (114, 36803), (116, 36845), (118, 36899), (119, 36944), (127, 37013), (129, 37049), (131, 37076), (133, 37103), (137, 37163), (140, 37196), (141, 37199), (145, 37229), (146, 37247), (154, 37388), (159, 37439), (211, 37649), (212, 37655), (216, 37694), (217, 37736), (219, 37748), (221, 37766), (245, 37940), (247, 37949), (248, 37952), (249, 37955), (251, 37967), (254, 37979), (255, 37982), (260, 37997), (277, 38084), (281, 38099), (295, 38243), (297, 38255), (314, 38435), (318, 38453), (330, 38534), (334, 38570), (338, 38591), (341, 38657),

Gene: Cane17_79 Start: 32842, Stop: 36537, Start Num: 24
Candidate Starts for Cane17_79:
(Start: 24 @32842 has 171 MA's), (35, 32911), (36, 32917), (37, 32935), (44, 32971), (71, 33079), (74, 33091), (92, 33262), (102, 33457), (105, 33478), (107, 33499), (108, 33508), (114, 33565), (116, 33607), (118, 33661), (119, 33706), (127, 33775), (129, 33811), (131, 33838), (133, 33865), (137, 33925), (140, 33958), (141, 33961), (145, 33991), (146, 34009), (154, 34150), (159, 34201), (172, 34357), (178, 34510), (179, 34534), (180, 34579), (181, 34633), (182, 34669), (184, 34723), (186, 34750), (187, 34783), (189, 34828), (191, 34915), (192, 34945), (193, 34954), (194, 34957), (197, 35086), (198, 35119), (199, 35164), (201, 35182), (202, 35212), (204, 35269), (205, 35311), (208, 35335), (209, 35413), (211, 35482), (212, 35488), (216, 35527), (217, 35569), (219, 35581), (221, 35599), (245, 35773), (247, 35782), (248, 35785), (249, 35788), (251, 35800), (254, 35812), (255, 35815), (260, 35830), (277, 35917), (281, 35932), (295, 36076), (297, 36088), (314, 36268), (318, 36286), (330, 36367), (334, 36403), (338, 36424), (341, 36490),

Gene: Capablanca_92 Start: 36373, Stop: 38997, Start Num: 24
Candidate Starts for Capablanca_92:
(Start: 24 @36373 has 171 MA's), (35, 36442), (36, 36448), (37, 36466), (44, 36502), (71, 36610), (74, 36622), (91, 36787), (92, 36793), (102, 36988), (105, 37009), (107, 37030), (108, 37039), (114, 37096), (116, 37138), (118, 37192), (119, 37237), (127, 37306), (129, 37342), (131, 37369), (133, 37396), (137, 37456), (140, 37489), (141, 37492), (144, 37513), (146, 37540), (150, 37612), (154,

37681), (159, 37732), (211, 37942), (212, 37948), (216, 37987), (217, 38029), (219, 38041), (221, 38059), (245, 38233), (247, 38242), (248, 38245), (249, 38248), (251, 38260), (254, 38272), (255, 38275), (260, 38290), (277, 38377), (281, 38392), (295, 38536), (297, 38548), (314, 38728), (318, 38746), (330, 38827), (334, 38863), (338, 38884), (341, 38950),

Gene: Caravan_85 Start: 35898, Stop: 38501, Start Num: 24
Candidate Starts for Caravan_85:
(Start: 24 @35898 has 171 MA's), (35, 35967), (36, 35973), (37, 35991), (44, 36027), (71, 36135), (74, 36147), (91, 36312), (92, 36318), (102, 36513), (105, 36534), (107, 36555), (108, 36564), (114, 36621), (116, 36663), (118, 36717), (119, 36762), (127, 36831), (129, 36867), (131, 36894), (133, 36921), (137, 36981), (140, 37014), (141, 37017), (145, 37047), (146, 37065), (154, 37206), (159, 37257), (211, 37467), (212, 37473), (216, 37512), (217, 37554), (219, 37566), (221, 37584), (245, 37758), (247, 37767), (248, 37770), (249, 37773), (251, 37785), (254, 37797), (255, 37800), (260, 37815), (277, 37881), (281, 37896), (295, 38040), (297, 38052), (314, 38232), (318, 38250), (330, 38331), (334, 38367), (338, 38388), (341, 38454),

Gene: Catera_88 Start: 34352, Stop: 36955, Start Num: 24
Candidate Starts for Catera_88:
(Start: 24 @34352 has 171 MA's), (35, 34421), (36, 34427), (37, 34445), (44, 34481), (71, 34589), (74, 34601), (91, 34766), (92, 34772), (102, 34967), (105, 34988), (107, 35009), (108, 35018), (114, 35075), (116, 35117), (118, 35171), (119, 35216), (127, 35285), (129, 35321), (131, 35348), (133, 35375), (137, 35435), (140, 35468), (141, 35471), (144, 35492), (146, 35519), (150, 35591), (154, 35660), (159, 35711), (211, 35921), (212, 35927), (213, 35933), (216, 35966), (217, 36008), (219, 36020), (221, 36038), (245, 36212), (247, 36221), (248, 36224), (249, 36227), (251, 36239), (254, 36251), (255, 36254), (260, 36269), (277, 36335), (281, 36350), (295, 36494), (297, 36506), (314, 36686), (318, 36704), (330, 36785), (334, 36821), (338, 36842), (341, 36908),

Gene: Chargie21_86 Start: 34263, Stop: 36866, Start Num: 24
Candidate Starts for Chargie21_86:
(Start: 24 @34263 has 171 MA's), (35, 34332), (36, 34338), (37, 34356), (44, 34392), (71, 34500), (74, 34512), (91, 34677), (92, 34683), (102, 34878), (105, 34899), (107, 34920), (108, 34929), (114, 34986), (116, 35028), (118, 35082), (119, 35127), (127, 35196), (129, 35232), (131, 35259), (133, 35286), (137, 35346), (140, 35379), (141, 35382), (144, 35403), (146, 35430), (150, 35502), (154, 35571), (159, 35622), (211, 35832), (212, 35838), (213, 35844), (216, 35877), (217, 35919), (219, 35931), (221, 35949), (245, 36123), (247, 36132), (248, 36135), (249, 36138), (251, 36150), (254, 36162), (255, 36165), (260, 36180), (277, 36246), (281, 36261), (295, 36405), (297, 36417), (314, 36597), (318, 36615), (330, 36696), (334, 36732), (338, 36753), (341, 36819),

Gene: CharlieB_85 Start: 34078, Stop: 36702, Start Num: 24
Candidate Starts for CharlieB_85:
(Start: 24 @34078 has 171 MA's), (35, 34147), (36, 34153), (37, 34171), (44, 34207), (71, 34315), (74, 34327), (91, 34492), (92, 34498), (102, 34693), (105, 34714), (107, 34735), (108, 34744), (114, 34801), (116, 34843), (118, 34897), (119, 34942), (127, 35011), (129, 35047), (131, 35074), (133, 35101), (137, 35161), (140, 35194), (141, 35197), (145, 35227), (146, 35245), (154, 35386), (159, 35437), (211, 35647), (212, 35653), (216, 35692), (217, 35734), (219, 35746), (221, 35764), (245, 35938), (247, 35947), (248, 35950), (249, 35953), (251, 35965), (254, 35977), (255, 35980), (260, 35995), (277, 36082), (281, 36097), (295, 36241), (297, 36253), (314, 36433), (318, 36451), (330, 36532), (334, 36568), (338, 36589), (341, 36655),

Gene: ChaylaJr_85 Start: 33978, Stop: 36581, Start Num: 24
Candidate Starts for ChaylaJr_85:
(Start: 24 @33978 has 171 MA's), (35, 34047), (36, 34053), (37, 34071), (44, 34107), (71, 34215), (74, 34227), (91, 34392), (92, 34398), (102, 34593), (105, 34614), (107, 34635), (108, 34644), (114,

34701), (116, 34743), (118, 34797), (119, 34842), (127, 34911), (129, 34947), (131, 34974), (133, 35001), (137, 35061), (140, 35094), (141, 35097), (144, 35118), (146, 35145), (150, 35217), (154, 35286), (159, 35337), (211, 35547), (212, 35553), (213, 35559), (216, 35592), (217, 35634), (219, 35646), (221, 35664), (245, 35838), (247, 35847), (248, 35850), (249, 35853), (251, 35865), (254, 35877), (255, 35880), (260, 35895), (277, 35961), (281, 35976), (295, 36120), (297, 36132), (314, 36312), (318, 36330), (330, 36411), (334, 36447), (338, 36468), (341, 36534),

Gene: CherryTomatoes_88 Start: 36603, Stop: 39215, Start Num: 29
Candidate Starts for CherryTomatoes_88:
(Start: 29 @36603 has 3 MA's), (Start: 31 @36621 has 3 MA's), (48, 36720), (58, 36759), (71, 36822), (74, 36834), (80, 36864), (94, 37053), (96, 37080), (102, 37200), (104, 37209), (105, 37221), (106, 37227), (107, 37242), (108, 37251), (109, 37263), (111, 37275), (117, 37389), (119, 37449), (122, 37476), (126, 37515), (127, 37518), (129, 37554), (130, 37578), (137, 37668), (146, 37752), (149, 37797), (152, 37881), (153, 37890), (154, 37893), (159, 37944), (160, 37947), (211, 38154), (212, 38160), (217, 38241), (218, 38250), (219, 38253), (221, 38271), (225, 38289), (229, 38340), (233, 38382), (238, 38424), (244, 38439), (248, 38448), (253, 38466), (254, 38469), (258, 38481), (262, 38493), (263, 38508), (264, 38511), (271, 38541), (287, 38637), (291, 38715), (298, 38760), (300, 38799), (313, 38901), (324, 38976), (326, 39000), (327, 39003), (334, 39075), (341, 39168), (342, 39177), (343, 39189),

Gene: ChickenPhender_86 Start: 34311, Stop: 36914, Start Num: 24
Candidate Starts for ChickenPhender_86:
(Start: 24 @34311 has 171 MA's), (35, 34380), (36, 34386), (37, 34404), (44, 34440), (71, 34548), (74, 34560), (91, 34725), (92, 34731), (102, 34926), (105, 34947), (107, 34968), (108, 34977), (114, 35034), (116, 35076), (118, 35130), (119, 35175), (127, 35244), (129, 35280), (131, 35307), (133, 35334), (137, 35394), (140, 35427), (141, 35430), (144, 35451), (146, 35478), (150, 35550), (154, 35619), (159, 35670), (211, 35880), (212, 35886), (213, 35892), (216, 35925), (217, 35967), (219, 35979), (221, 35997), (245, 36171), (247, 36180), (248, 36183), (249, 36186), (251, 36198), (254, 36210), (255, 36213), (260, 36228), (277, 36294), (281, 36309), (295, 36453), (297, 36465), (314, 36645), (318, 36663), (330, 36744), (334, 36780), (338, 36801), (341, 36867),

Gene: Chomp_89 Start: 35732, Stop: 39160, Start Num: 1
Candidate Starts for Chomp_89:
(Start: 1 @35732 has 20 MA's), (Start: 2 @35801 has 2 MA's), (3, 35807), (4, 35825), (6, 35861), (10, 35969), (11, 35981), (13, 36104), (14, 36155), (15, 36209), (16, 36221), (17, 36242), (25, 36536), (32, 36581), (46, 36659), (55, 36695), (63, 36728), (67, 36743), (76, 36788), (78, 36797), (82, 36830), (85, 36866), (91, 36950), (92, 36956), (102, 37151), (105, 37172), (107, 37193), (108, 37202), (114, 37259), (116, 37301), (118, 37355), (119, 37400), (127, 37469), (129, 37505), (131, 37532), (133, 37559), (137, 37619), (140, 37652), (141, 37655), (145, 37685), (146, 37703), (154, 37844), (159, 37895), (211, 38105), (212, 38111), (216, 38150), (217, 38192), (219, 38204), (221, 38222), (245, 38396), (247, 38405), (248, 38408), (249, 38411), (251, 38423), (254, 38435), (255, 38438), (260, 38453), (277, 38540), (281, 38555), (295, 38699), (297, 38711), (314, 38891), (318, 38909), (330, 38990), (334, 39026), (338, 39047), (341, 39113),

Gene: CindyLou_91 Start: 35773, Stop: 39201, Start Num: 1
Candidate Starts for CindyLou_91:
(Start: 1 @35773 has 20 MA's), (Start: 2 @35842 has 2 MA's), (3, 35848), (4, 35866), (6, 35902), (10, 36010), (11, 36022), (13, 36145), (14, 36196), (15, 36250), (16, 36262), (17, 36283), (25, 36577), (32, 36622), (46, 36700), (55, 36736), (63, 36769), (67, 36784), (76, 36829), (78, 36838), (82, 36871), (85, 36907), (91, 36991), (92, 36997), (102, 37192), (105, 37213), (107, 37234), (108, 37243), (114, 37300), (116, 37342), (118, 37396), (119, 37441), (127, 37510), (129, 37546), (131, 37573), (133, 37600), (137, 37660), (140, 37693), (141, 37696), (145, 37726), (146, 37744), (154, 37885), (159, 37936), (211, 38146), (212, 38152), (216, 38191), (217, 38233), (219, 38245), (221, 38263), (245,

38437), (247, 38446), (248, 38449), (249, 38452), (251, 38464), (254, 38476), (255, 38479), (260, 38494), (277, 38581), (281, 38596), (295, 38740), (297, 38752), (314, 38932), (318, 38950), (330, 39031), (334, 39067), (338, 39088), (341, 39154),

Gene: Cleatunium_85 Start: 35638, Stop: 38262, Start Num: 24
Candidate Starts for Cleatunium_85:
(Start: 24 @35638 has 171 MA's), (35, 35707), (36, 35713), (37, 35731), (44, 35767), (71, 35875), (74, 35887), (91, 36052), (92, 36058), (102, 36253), (105, 36274), (107, 36295), (108, 36304), (114, 36361), (116, 36403), (118, 36457), (119, 36502), (127, 36571), (129, 36607), (131, 36634), (133, 36661), (137, 36721), (140, 36754), (141, 36757), (145, 36787), (146, 36805), (154, 36946), (159, 36997), (211, 37207), (212, 37213), (213, 37219), (216, 37252), (217, 37294), (219, 37306), (221, 37324), (245, 37498), (247, 37507), (248, 37510), (249, 37513), (251, 37525), (254, 37537), (255, 37540), (260, 37555), (277, 37642), (281, 37657), (295, 37801), (297, 37813), (314, 37993), (318, 38011), (330, 38092), (334, 38128), (338, 38149), (341, 38215),

Gene: Colt_80 Start: 33441, Stop: 37133, Start Num: 24
Candidate Starts for Colt_80:
(Start: 24 @33441 has 171 MA's), (35, 33510), (36, 33516), (37, 33534), (44, 33570), (71, 33678), (74, 33690), (91, 33855), (92, 33861), (102, 34056), (105, 34077), (107, 34098), (108, 34107), (114, 34164), (116, 34206), (118, 34260), (119, 34305), (127, 34374), (129, 34410), (131, 34437), (133, 34464), (137, 34524), (140, 34557), (141, 34560), (144, 34581), (146, 34608), (150, 34680), (154, 34749), (159, 34800), (172, 34956), (173, 34959), (174, 34974), (175, 35055), (176, 35058), (177, 35070), (178, 35109), (180, 35178), (183, 35271), (184, 35322), (185, 35334), (187, 35382), (188, 35388), (190, 35475), (191, 35514), (192, 35544), (194, 35556), (195, 35640), (196, 35667), (197, 35685), (199, 35763), (200, 35772), (202, 35811), (203, 35814), (204, 35868), (205, 35910), (206, 35925), (207, 35928), (208, 35934), (209, 36009), (211, 36078), (212, 36084), (216, 36123), (217, 36165), (219, 36177), (221, 36195), (245, 36369), (247, 36378), (248, 36381), (249, 36384), (251, 36396), (254, 36408), (255, 36411), (260, 36426), (277, 36513), (281, 36528), (295, 36672), (297, 36684), (314, 36864), (318, 36882), (330, 36963), (334, 36999), (338, 37020), (341, 37086),

Gene: Concombre_97 Start: 38489, Stop: 41113, Start Num: 24
Candidate Starts for Concombre_97:
(Start: 24 @38489 has 171 MA's), (35, 38558), (36, 38564), (37, 38582), (44, 38618), (71, 38726), (74, 38738), (91, 38903), (92, 38909), (102, 39104), (105, 39125), (107, 39146), (108, 39155), (114, 39212), (116, 39254), (118, 39308), (119, 39353), (127, 39422), (129, 39458), (131, 39485), (133, 39512), (137, 39572), (140, 39605), (141, 39608), (145, 39638), (146, 39656), (154, 39797), (159, 39848), (211, 40058), (212, 40064), (216, 40103), (217, 40145), (219, 40157), (221, 40175), (245, 40349), (247, 40358), (248, 40361), (249, 40364), (251, 40376), (254, 40388), (255, 40391), (260, 40406), (277, 40493), (281, 40508), (295, 40652), (297, 40664), (314, 40844), (318, 40862), (330, 40943), (334, 40979), (338, 41000), (341, 41066),

Gene: DTDevon_91 Start: 36409, Stop: 39033, Start Num: 24
Candidate Starts for DTDevon_91:
(Start: 24 @36409 has 171 MA's), (35, 36478), (36, 36484), (37, 36502), (44, 36538), (71, 36646), (74, 36658), (91, 36823), (92, 36829), (102, 37024), (105, 37045), (107, 37066), (108, 37075), (114, 37132), (116, 37174), (118, 37228), (119, 37273), (127, 37342), (129, 37378), (131, 37405), (133, 37432), (137, 37492), (140, 37525), (141, 37528), (145, 37558), (146, 37576), (154, 37717), (159, 37768), (211, 37978), (212, 37984), (216, 38023), (217, 38065), (219, 38077), (221, 38095), (245, 38269), (247, 38278), (248, 38281), (249, 38284), (251, 38296), (254, 38308), (255, 38311), (260, 38326), (277, 38413), (281, 38428), (295, 38572), (297, 38584), (314, 38764), (318, 38782), (330, 38863), (334, 38899), (338, 38920), (341, 38986),

Gene: Daffodil_95 Start: 36242, Stop: 38866, Start Num: 24

Candidate Starts for Daffodil_95:
(Start: 24 @36242 has 171 MA's), (35, 36311), (36, 36317), (37, 36335), (44, 36371), (71, 36479), (74, 36491), (91, 36656), (92, 36662), (102, 36857), (105, 36878), (107, 36899), (108, 36908), (114, 36965), (116, 37007), (118, 37061), (119, 37106), (127, 37175), (129, 37211), (131, 37238), (133, 37265), (137, 37325), (140, 37358), (141, 37361), (145, 37391), (146, 37409), (154, 37550), (159, 37601), (211, 37811), (212, 37817), (216, 37856), (217, 37898), (219, 37910), (221, 37928), (245, 38102), (247, 38111), (248, 38114), (249, 38117), (251, 38129), (254, 38141), (255, 38144), (260, 38159), (277, 38246), (281, 38261), (295, 38405), (297, 38417), (314, 38597), (318, 38615), (330, 38696), (334, 38732), (338, 38753), (341, 38819),

Gene: Dandelion_97 Start: 38939, Stop: 41563, Start Num: 24
Candidate Starts for Dandelion_97:
(Start: 24 @38939 has 171 MA's), (35, 39008), (36, 39014), (37, 39032), (44, 39068), (71, 39176), (74, 39188), (91, 39353), (92, 39359), (102, 39554), (105, 39575), (107, 39596), (108, 39605), (114, 39662), (116, 39704), (118, 39758), (119, 39803), (127, 39872), (129, 39908), (131, 39935), (133, 39962), (137, 40022), (140, 40055), (141, 40058), (145, 40088), (146, 40106), (154, 40247), (159, 40298), (211, 40508), (212, 40514), (216, 40553), (217, 40595), (219, 40607), (221, 40625), (245, 40799), (247, 40808), (248, 40811), (249, 40814), (251, 40826), (254, 40838), (255, 40841), (260, 40856), (277, 40943), (281, 40958), (295, 41102), (297, 41114), (314, 41294), (318, 41312), (330, 41393), (334, 41429), (338, 41450), (341, 41516),

Gene: Darko_90 Start: 36177, Stop: 38801, Start Num: 24
Candidate Starts for Darko_90:
(Start: 24 @36177 has 171 MA's), (35, 36246), (36, 36252), (37, 36270), (44, 36306), (71, 36414), (74, 36426), (91, 36591), (92, 36597), (102, 36792), (105, 36813), (107, 36834), (108, 36843), (114, 36900), (116, 36942), (118, 36996), (119, 37041), (127, 37110), (129, 37146), (131, 37173), (133, 37200), (137, 37260), (140, 37293), (141, 37296), (145, 37326), (146, 37344), (154, 37485), (159, 37536), (211, 37746), (212, 37752), (213, 37758), (216, 37791), (217, 37833), (219, 37845), (221, 37863), (245, 38037), (247, 38046), (248, 38049), (249, 38052), (251, 38064), (254, 38076), (255, 38079), (260, 38094), (277, 38181), (281, 38196), (295, 38340), (297, 38352), (314, 38532), (318, 38550), (330, 38631), (334, 38667), (338, 38688), (341, 38754),

Gene: DeejaClivia_79 Start: 32115, Stop: 34718, Start Num: 24
Candidate Starts for DeejaClivia_79:
(Start: 24 @32115 has 171 MA's), (35, 32184), (36, 32190), (37, 32208), (44, 32244), (71, 32352), (74, 32364), (91, 32529), (92, 32535), (102, 32730), (105, 32751), (107, 32772), (108, 32781), (114, 32838), (116, 32880), (118, 32934), (119, 32979), (127, 33048), (129, 33084), (131, 33111), (133, 33138), (137, 33198), (140, 33231), (141, 33234), (144, 33255), (146, 33282), (150, 33354), (154, 33423), (159, 33474), (211, 33684), (212, 33690), (213, 33696), (216, 33729), (217, 33771), (219, 33783), (221, 33801), (245, 33975), (247, 33984), (248, 33987), (249, 33990), (251, 34002), (254, 34014), (255, 34017), (260, 34032), (277, 34098), (281, 34113), (295, 34257), (297, 34269), (314, 34449), (318, 34467), (330, 34548), (334, 34584), (338, 34605), (341, 34671),

Gene: Delilah_90 Start: 36243, Stop: 38867, Start Num: 24
Candidate Starts for Delilah_90:
(Start: 24 @36243 has 171 MA's), (35, 36312), (36, 36318), (37, 36336), (44, 36372), (71, 36480), (74, 36492), (91, 36657), (92, 36663), (102, 36858), (105, 36879), (107, 36900), (108, 36909), (114, 36966), (116, 37008), (118, 37062), (119, 37107), (127, 37176), (129, 37212), (131, 37239), (133, 37266), (137, 37326), (140, 37359), (141, 37362), (145, 37392), (146, 37410), (154, 37551), (159, 37602), (211, 37812), (212, 37818), (216, 37857), (217, 37899), (219, 37911), (221, 37929), (245, 38103), (247, 38112), (248, 38115), (249, 38118), (251, 38130), (254, 38142), (255, 38145), (260, 38160), (277, 38247), (281, 38262), (295, 38406), (297, 38418), (314, 38598), (318, 38616), (330, 38697), (334, 38733), (338, 38754), (341, 38820),

Gene: Delylah_93 Start: 36036, Stop: 38660, Start Num: 24
Candidate Starts for Delylah_93:
(Start: 24 @36036 has 171 MA's), (35, 36105), (36, 36111), (37, 36129), (44, 36165), (71, 36273), (74, 36285), (91, 36450), (92, 36456), (102, 36651), (105, 36672), (107, 36693), (108, 36702), (114, 36759), (116, 36801), (118, 36855), (119, 36900), (127, 36969), (129, 37005), (131, 37032), (133, 37059), (137, 37119), (140, 37152), (141, 37155), (145, 37185), (146, 37203), (154, 37344), (159, 37395), (211, 37605), (212, 37611), (216, 37650), (217, 37692), (219, 37704), (221, 37722), (245, 37896), (247, 37905), (248, 37908), (249, 37911), (251, 37923), (254, 37935), (255, 37938), (260, 37953), (277, 38040), (281, 38055), (295, 38199), (297, 38211), (314, 38391), (318, 38409), (330, 38490), (334, 38526), (338, 38547), (341, 38613),

Gene: Demodog_97 Start: 38489, Stop: 41113, Start Num: 24
Candidate Starts for Demodog_97:
(Start: 24 @38489 has 171 MA's), (35, 38558), (36, 38564), (37, 38582), (44, 38618), (71, 38726), (74, 38738), (91, 38903), (92, 38909), (102, 39104), (105, 39125), (107, 39146), (108, 39155), (114, 39212), (116, 39254), (118, 39308), (119, 39353), (127, 39422), (129, 39458), (131, 39485), (133, 39512), (137, 39572), (140, 39605), (141, 39608), (145, 39638), (146, 39656), (154, 39797), (159, 39848), (211, 40058), (212, 40064), (216, 40103), (217, 40145), (219, 40157), (221, 40175), (245, 40349), (247, 40358), (248, 40361), (249, 40364), (251, 40376), (254, 40388), (255, 40391), (260, 40406), (277, 40493), (281, 40508), (295, 40652), (297, 40664), (314, 40844), (318, 40862), (330, 40943), (334, 40979), (338, 41000), (341, 41066),

Gene: Derek_90 Start: 35534, Stop: 38962, Start Num: 1
Candidate Starts for Derek_90:
(Start: 1 @35534 has 20 MA's), (Start: 2 @35603 has 2 MA's), (3, 35609), (4, 35627), (6, 35663), (10, 35771), (11, 35783), (13, 35906), (14, 35957), (15, 36011), (16, 36023), (17, 36044), (25, 36338), (32, 36383), (46, 36461), (55, 36497), (63, 36530), (67, 36545), (76, 36590), (78, 36599), (82, 36632), (85, 36668), (91, 36752), (92, 36758), (102, 36953), (105, 36974), (107, 36995), (108, 37004), (114, 37061), (116, 37103), (118, 37157), (119, 37202), (127, 37271), (129, 37307), (131, 37334), (133, 37361), (137, 37421), (140, 37454), (141, 37457), (145, 37487), (146, 37505), (154, 37646), (159, 37697), (211, 37907), (212, 37913), (216, 37952), (217, 37994), (219, 38006), (221, 38024), (245, 38198), (247, 38207), (248, 38210), (249, 38213), (251, 38225), (254, 38237), (255, 38240), (260, 38255), (277, 38342), (281, 38357), (295, 38501), (297, 38513), (314, 38693), (318, 38711), (330, 38792), (334, 38828), (338, 38849), (341, 38915),

Gene: Dessert_91 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Dessert_91:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Dietrick_82 Start: 34014, Stop: 36617, Start Num: 24
Candidate Starts for Dietrick_82:
(Start: 24 @34014 has 171 MA's), (35, 34083), (36, 34089), (37, 34107), (44, 34143), (71, 34251), (74, 34263), (91, 34428), (92, 34434), (102, 34629), (105, 34650), (107, 34671), (108, 34680), (114, 34737), (116, 34779), (118, 34833), (119, 34878), (127, 34947), (129, 34983), (131, 35010), (133, 35037), (137, 35097), (140, 35130), (141, 35133), (144, 35154), (146, 35181), (150, 35253), (154,

35322), (159, 35373), (211, 35583), (212, 35589), (213, 35595), (216, 35628), (217, 35670), (219, 35682), (221, 35700), (245, 35874), (247, 35883), (248, 35886), (249, 35889), (251, 35901), (254, 35913), (255, 35916), (260, 35931), (277, 35997), (281, 36012), (295, 36156), (297, 36168), (314, 36348), (318, 36366), (330, 36447), (334, 36483), (338, 36504), (341, 36570),

Gene: DirtMonster_83 Start: 34835, Stop: 37459, Start Num: 24
Candidate Starts for DirtMonster_83:
(Start: 24 @34835 has 171 MA's), (35, 34904), (36, 34910), (37, 34928), (44, 34964), (71, 35072), (74, 35084), (91, 35249), (92, 35255), (102, 35450), (105, 35471), (107, 35492), (108, 35501), (114, 35558), (116, 35600), (118, 35654), (119, 35699), (127, 35768), (129, 35804), (131, 35831), (133, 35858), (137, 35918), (140, 35951), (141, 35954), (145, 35984), (146, 36002), (154, 36143), (159, 36194), (211, 36404), (212, 36410), (213, 36416), (216, 36449), (217, 36491), (219, 36503), (221, 36521), (245, 36695), (247, 36704), (248, 36707), (249, 36710), (251, 36722), (254, 36734), (255, 36737), (260, 36752), (277, 36839), (281, 36854), (295, 36998), (297, 37010), (314, 37190), (318, 37208), (330, 37289), (334, 37325), (338, 37346), (341, 37412),

Gene: Domi_84 Start: 35571, Stop: 38195, Start Num: 24
Candidate Starts for Domi_84:
(Start: 24 @35571 has 171 MA's), (35, 35640), (36, 35646), (37, 35664), (44, 35700), (71, 35808), (74, 35820), (91, 35985), (92, 35991), (102, 36186), (105, 36207), (107, 36228), (108, 36237), (114, 36294), (116, 36336), (118, 36390), (119, 36435), (127, 36504), (129, 36540), (131, 36567), (133, 36594), (137, 36654), (140, 36687), (141, 36690), (145, 36720), (146, 36738), (154, 36879), (159, 36930), (211, 37140), (212, 37146), (213, 37152), (216, 37185), (217, 37227), (219, 37239), (221, 37257), (245, 37431), (247, 37440), (248, 37443), (249, 37446), (251, 37458), (254, 37470), (255, 37473), (260, 37488), (277, 37575), (281, 37590), (295, 37734), (297, 37746), (314, 37926), (318, 37944), (330, 38025), (334, 38061), (338, 38082), (341, 38148),

Gene: DrPhinkDaddy_89 Start: 36298, Stop: 38922, Start Num: 24
Candidate Starts for DrPhinkDaddy_89:
(Start: 24 @36298 has 171 MA's), (35, 36367), (36, 36373), (37, 36391), (44, 36427), (71, 36535), (74, 36547), (91, 36712), (92, 36718), (102, 36913), (105, 36934), (107, 36955), (108, 36964), (114, 37021), (116, 37063), (118, 37117), (119, 37162), (127, 37231), (129, 37267), (131, 37294), (133, 37321), (137, 37381), (140, 37414), (141, 37417), (145, 37447), (146, 37465), (154, 37606), (159, 37657), (211, 37867), (212, 37873), (216, 37912), (217, 37954), (219, 37966), (221, 37984), (245, 38158), (247, 38167), (248, 38170), (249, 38173), (251, 38185), (254, 38197), (255, 38200), (260, 38215), (277, 38302), (281, 38317), (295, 38461), (297, 38473), (314, 38653), (318, 38671), (330, 38752), (334, 38788), (338, 38809), (341, 38875),

Gene: Drazdys_90 Start: 36040, Stop: 38664, Start Num: 24
Candidate Starts for Drazdys_90:
(Start: 24 @36040 has 171 MA's), (35, 36109), (36, 36115), (37, 36133), (44, 36169), (71, 36277), (74, 36289), (91, 36454), (92, 36460), (102, 36655), (105, 36676), (107, 36697), (108, 36706), (114, 36763), (116, 36805), (118, 36859), (119, 36904), (127, 36973), (129, 37009), (131, 37036), (133, 37063), (137, 37123), (138, 37135), (140, 37156), (141, 37159), (145, 37189), (146, 37207), (154, 37348), (159, 37399), (211, 37609), (212, 37615), (216, 37654), (217, 37696), (219, 37708), (221, 37726), (245, 37900), (247, 37909), (248, 37912), (249, 37915), (251, 37927), (254, 37939), (255, 37942), (260, 37957), (277, 38044), (281, 38059), (295, 38203), (297, 38215), (314, 38395), (318, 38413), (330, 38494), (334, 38530), (338, 38551), (341, 38617),

Gene: Duckfeet_81 Start: 34045, Stop: 36669, Start Num: 24
Candidate Starts for Duckfeet_81:
(Start: 24 @34045 has 171 MA's), (35, 34114), (36, 34120), (37, 34138), (44, 34174), (71, 34282), (74, 34294), (91, 34459), (92, 34465), (102, 34660), (105, 34681), (107, 34702), (108, 34711), (114,

34768), (116, 34810), (118, 34864), (119, 34909), (127, 34978), (129, 35014), (131, 35041), (133, 35068), (137, 35128), (140, 35161), (141, 35164), (145, 35194), (146, 35212), (154, 35353), (159, 35404), (211, 35614), (212, 35620), (216, 35659), (217, 35701), (219, 35713), (221, 35731), (245, 35905), (247, 35914), (248, 35917), (249, 35920), (251, 35932), (254, 35944), (255, 35947), (260, 35962), (277, 36049), (281, 36064), (295, 36208), (297, 36220), (314, 36400), (318, 36418), (330, 36499), (334, 36535), (338, 36556), (341, 36622),

Gene: E3_gp72 Start: 32680, Stop: 35169, Start Num: 30
Candidate Starts for E3_gp72:
(23, 32617), (26, 32665), (Start: 30 @32680 has 3 MA's), (33, 32698), (37, 32737), (43, 32776), (63, 32887), (69, 32908), (84, 33019), (91, 33106), (92, 33112), (93, 33121), (94, 33163), (95, 33169), (104, 33313), (105, 33325), (107, 33346), (109, 33367), (120, 33532), (121, 33541), (124, 33574), (125, 33577), (127, 33598), (128, 33601), (137, 33748), (140, 33781), (141, 33784), (144, 33805), (145, 33814), (146, 33832), (149, 33877), (153, 33970), (154, 33973), (156, 33994), (167, 34141), (169, 34156), (221, 34351), (227, 34405), (233, 34462), (236, 34489), (237, 34495), (242, 34516), (248, 34537), (249, 34540), (253, 34558), (256, 34567), (258, 34573), (260, 34579), (281, 34678), (282, 34684), (284, 34705), (285, 34723), (289, 34768), (290, 34777), (294, 34813), (300, 34882), (303, 34894), (310, 34948), (311, 34954), (318, 35014), (336, 35143),

Gene: ET08_79 Start: 33946, Stop: 37638, Start Num: 24
Candidate Starts for ET08_79:
(Start: 24 @33946 has 171 MA's), (35, 34015), (36, 34021), (37, 34039), (44, 34075), (71, 34183), (74, 34195), (91, 34360), (92, 34366), (102, 34561), (105, 34582), (107, 34603), (108, 34612), (114, 34669), (116, 34711), (118, 34765), (119, 34810), (127, 34879), (129, 34915), (131, 34942), (133, 34969), (137, 35029), (140, 35062), (141, 35065), (145, 35095), (146, 35113), (154, 35254), (159, 35305), (172, 35461), (173, 35464), (174, 35479), (175, 35560), (176, 35563), (177, 35575), (178, 35614), (180, 35683), (183, 35776), (184, 35827), (185, 35839), (187, 35887), (188, 35893), (190, 35980), (191, 36019), (192, 36049), (194, 36061), (195, 36145), (196, 36172), (197, 36190), (199, 36268), (200, 36277), (202, 36316), (203, 36319), (204, 36373), (205, 36415), (206, 36430), (207, 36433), (208, 36439), (209, 36514), (211, 36583), (212, 36589), (216, 36628), (217, 36670), (219, 36682), (221, 36700), (245, 36874), (247, 36883), (248, 36886), (249, 36889), (251, 36901), (254, 36913), (255, 36916), (260, 36931), (277, 37018), (281, 37033), (295, 37177), (297, 37189), (314, 37369), (318, 37387), (330, 37468), (334, 37504), (338, 37525), (341, 37591),

Gene: EasyJones_93 Start: 35370, Stop: 37973, Start Num: 24
Candidate Starts for EasyJones_93:
(Start: 24 @35370 has 171 MA's), (35, 35439), (36, 35445), (37, 35463), (44, 35499), (71, 35607), (74, 35619), (91, 35784), (92, 35790), (102, 35985), (105, 36006), (107, 36027), (108, 36036), (114, 36093), (116, 36135), (118, 36189), (119, 36234), (127, 36303), (129, 36339), (131, 36366), (133, 36393), (137, 36453), (140, 36486), (141, 36489), (144, 36510), (146, 36537), (150, 36609), (154, 36678), (159, 36729), (211, 36939), (212, 36945), (213, 36951), (216, 36984), (217, 37026), (219, 37038), (221, 37056), (245, 37230), (247, 37239), (248, 37242), (249, 37245), (251, 37257), (254, 37269), (255, 37272), (260, 37287), (277, 37353), (281, 37368), (295, 37512), (297, 37524), (314, 37704), (318, 37722), (330, 37803), (334, 37839), (338, 37860), (341, 37926),

Gene: EggyFarm_98 Start: 38300, Stop: 40924, Start Num: 24
Candidate Starts for EggyFarm_98:
(Start: 24 @38300 has 171 MA's), (35, 38369), (36, 38375), (37, 38393), (44, 38429), (71, 38537), (74, 38549), (92, 38720), (102, 38915), (105, 38936), (107, 38957), (108, 38966), (114, 39023), (116, 39065), (118, 39119), (119, 39164), (127, 39233), (129, 39269), (131, 39296), (133, 39323), (137, 39383), (140, 39416), (141, 39419), (145, 39449), (146, 39467), (154, 39608), (159, 39659), (211, 39869), (212, 39875), (213, 39881), (216, 39914), (217, 39956), (219, 39968), (221, 39986), (245, 40160), (247, 40169), (248, 40172), (249, 40175), (251, 40187), (254, 40199), (255, 40202), (260,

40217), (277, 40304), (281, 40319), (295, 40463), (297, 40475), (314, 40655), (318, 40673), (330, 40754), (334, 40790), (338, 40811), (341, 40877),

Gene: EmToTheThree_93 Start: 37694, Stop: 40318, Start Num: 24
Candidate Starts for EmToTheThree_93:
(Start: 24 @37694 has 171 MA's), (35, 37763), (36, 37769), (37, 37787), (44, 37823), (71, 37931), (74, 37943), (91, 38108), (92, 38114), (102, 38309), (105, 38330), (107, 38351), (108, 38360), (114, 38417), (116, 38459), (118, 38513), (119, 38558), (127, 38627), (129, 38663), (131, 38690), (133, 38717), (137, 38777), (140, 38810), (141, 38813), (145, 38843), (146, 38861), (154, 39002), (159, 39053), (211, 39263), (212, 39269), (216, 39308), (217, 39350), (219, 39362), (221, 39380), (245, 39554), (247, 39563), (248, 39566), (249, 39569), (251, 39581), (254, 39593), (255, 39596), (260, 39611), (277, 39698), (281, 39713), (295, 39857), (297, 39869), (314, 40049), (318, 40067), (330, 40148), (334, 40184), (338, 40205), (341, 40271),

Gene: EmmaElysia_89 Start: 34815, Stop: 37439, Start Num: 24
Candidate Starts for EmmaElysia_89:
(Start: 24 @34815 has 171 MA's), (35, 34884), (36, 34890), (37, 34908), (44, 34944), (71, 35052), (74, 35064), (91, 35229), (92, 35235), (102, 35430), (105, 35451), (107, 35472), (108, 35481), (114, 35538), (116, 35580), (118, 35634), (119, 35679), (127, 35748), (129, 35784), (131, 35811), (133, 35838), (137, 35898), (140, 35931), (141, 35934), (145, 35964), (146, 35982), (154, 36123), (159, 36174), (211, 36384), (212, 36390), (216, 36429), (217, 36471), (219, 36483), (221, 36501), (245, 36675), (247, 36684), (248, 36687), (249, 36690), (251, 36702), (254, 36714), (255, 36717), (260, 36732), (277, 36819), (281, 36834), (295, 36978), (297, 36990), (314, 37170), (318, 37188), (330, 37269), (334, 37305), (338, 37326), (341, 37392),

Gene: Erdmann_91 Start: 36243, Stop: 38867, Start Num: 24
Candidate Starts for Erdmann_91:
(Start: 24 @36243 has 171 MA's), (35, 36312), (36, 36318), (37, 36336), (44, 36372), (71, 36480), (74, 36492), (91, 36657), (92, 36663), (102, 36858), (105, 36879), (107, 36900), (108, 36909), (114, 36966), (116, 37008), (118, 37062), (119, 37107), (127, 37176), (129, 37212), (131, 37239), (133, 37266), (137, 37326), (140, 37359), (141, 37362), (145, 37392), (146, 37410), (154, 37551), (159, 37602), (211, 37812), (212, 37818), (216, 37857), (217, 37899), (219, 37911), (221, 37929), (245, 38103), (247, 38112), (248, 38115), (249, 38118), (251, 38130), (254, 38142), (255, 38145), (260, 38160), (277, 38247), (281, 38262), (295, 38406), (297, 38418), (314, 38598), (318, 38616), (330, 38697), (334, 38733), (338, 38754), (341, 38820),

Gene: ErnieJ_86 Start: 34292, Stop: 36895, Start Num: 24
Candidate Starts for ErnieJ_86:
(Start: 24 @34292 has 171 MA's), (35, 34361), (36, 34367), (37, 34385), (44, 34421), (71, 34529), (74, 34541), (91, 34706), (92, 34712), (102, 34907), (105, 34928), (107, 34949), (108, 34958), (114, 35015), (116, 35057), (118, 35111), (119, 35156), (127, 35225), (129, 35261), (131, 35288), (133, 35315), (137, 35375), (140, 35408), (141, 35411), (144, 35432), (146, 35459), (150, 35531), (154, 35600), (159, 35651), (211, 35861), (212, 35867), (213, 35873), (216, 35906), (217, 35948), (219, 35960), (221, 35978), (245, 36152), (247, 36161), (248, 36164), (249, 36167), (251, 36179), (254, 36191), (255, 36194), (260, 36209), (277, 36275), (281, 36290), (295, 36434), (297, 36446), (314, 36626), (318, 36644), (330, 36725), (334, 36761), (338, 36782), (341, 36848),

Gene: Essence_87 Start: 34998, Stop: 38426, Start Num: 1
Candidate Starts for Essence_87:
(Start: 1 @34998 has 20 MA's), (Start: 2 @35067 has 2 MA's), (3, 35073), (4, 35091), (6, 35127), (10, 35235), (11, 35247), (13, 35370), (14, 35421), (15, 35475), (16, 35487), (17, 35508), (25, 35802), (32, 35847), (46, 35925), (55, 35961), (63, 35994), (67, 36009), (76, 36054), (78, 36063), (82, 36096), (85, 36132), (91, 36216), (92, 36222), (102, 36417), (105, 36438), (107, 36459), (108, 36468), (114,

36525), (116, 36567), (118, 36621), (119, 36666), (127, 36735), (129, 36771), (131, 36798), (133, 36825), (137, 36885), (140, 36918), (141, 36921), (145, 36951), (146, 36969), (154, 37110), (159, 37161), (211, 37371), (212, 37377), (216, 37416), (217, 37458), (219, 37470), (221, 37488), (245, 37662), (247, 37671), (248, 37674), (249, 37677), (251, 37689), (254, 37701), (255, 37704), (260, 37719), (277, 37806), (281, 37821), (295, 37965), (297, 37977), (314, 38157), (318, 38175), (330, 38256), (334, 38292), (338, 38313), (341, 38379),

Gene: Ewok_91 Start: 35870, Stop: 38494, Start Num: 24
Candidate Starts for Ewok_91:
(Start: 24 @35870 has 171 MA's), (35, 35939), (36, 35945), (37, 35963), (44, 35999), (71, 36107), (74, 36119), (91, 36284), (92, 36290), (102, 36485), (105, 36506), (107, 36527), (108, 36536), (114, 36593), (116, 36635), (118, 36689), (119, 36734), (127, 36803), (129, 36839), (131, 36866), (133, 36893), (137, 36953), (140, 36986), (141, 36989), (145, 37019), (146, 37037), (154, 37178), (159, 37229), (211, 37439), (212, 37445), (216, 37484), (217, 37526), (219, 37538), (221, 37556), (245, 37730), (247, 37739), (248, 37742), (249, 37745), (251, 37757), (254, 37769), (255, 37772), (260, 37787), (277, 37874), (281, 37889), (295, 38033), (297, 38045), (314, 38225), (318, 38243), (330, 38324), (334, 38360), (338, 38381), (341, 38447),

Gene: Finch_15 Start: 10444, Stop: 13083, Start Num: 30
Candidate Starts for Finch_15:
(Start: 30 @10444 has 3 MA's), (56, 10603), (65, 10642), (73, 10675), (78, 10702), (88, 10783), (94, 10900), (95, 10906), (104, 11050), (105, 11062), (109, 11104), (110, 11107), (113, 11134), (128, 11353), (129, 11386), (137, 11500), (140, 11533), (143, 11551), (145, 11566), (149, 11629), (153, 11722), (154, 11725), (166, 11863), (167, 11893), (171, 11923), (212, 11992), (214, 12007), (217, 12073), (221, 12103), (226, 12133), (231, 12196), (243, 12277), (246, 12292), (250, 12301), (257, 12334), (268, 12391), (280, 12457), (288, 12556), (299, 12649), (301, 12682), (304, 12688), (319, 12826), (321, 12835), (325, 12868), (328, 12892), (331, 12913), (339, 13024), (341, 13036),

Gene: Fixie_82 Start: 34448, Stop: 37072, Start Num: 24
Candidate Starts for Fixie_82:
(Start: 24 @34448 has 171 MA's), (35, 34517), (36, 34523), (37, 34541), (44, 34577), (71, 34685), (74, 34697), (91, 34862), (92, 34868), (102, 35063), (105, 35084), (107, 35105), (108, 35114), (114, 35171), (116, 35213), (118, 35267), (119, 35312), (127, 35381), (129, 35417), (131, 35444), (133, 35471), (137, 35531), (140, 35564), (141, 35567), (145, 35597), (146, 35615), (154, 35756), (159, 35807), (211, 36017), (212, 36023), (216, 36062), (217, 36104), (219, 36116), (221, 36134), (245, 36308), (247, 36317), (248, 36320), (249, 36323), (251, 36335), (254, 36347), (255, 36350), (260, 36365), (277, 36452), (281, 36467), (295, 36611), (297, 36623), (314, 36803), (318, 36821), (330, 36902), (334, 36938), (338, 36959), (341, 37025),

Gene: Flabslab_85 Start: 34048, Stop: 36651, Start Num: 24
Candidate Starts for Flabslab_85:
(Start: 24 @34048 has 171 MA's), (35, 34117), (36, 34123), (37, 34141), (44, 34177), (71, 34285), (74, 34297), (91, 34462), (92, 34468), (102, 34663), (105, 34684), (107, 34705), (108, 34714), (114, 34771), (116, 34813), (118, 34867), (119, 34912), (127, 34981), (129, 35017), (131, 35044), (133, 35071), (137, 35131), (140, 35164), (141, 35167), (144, 35188), (146, 35215), (150, 35287), (154, 35356), (159, 35407), (211, 35617), (212, 35623), (213, 35629), (216, 35662), (217, 35704), (219, 35716), (221, 35734), (245, 35908), (247, 35917), (248, 35920), (249, 35923), (251, 35935), (254, 35947), (255, 35950), (260, 35965), (277, 36031), (281, 36046), (295, 36190), (297, 36202), (314, 36382), (318, 36400), (330, 36481), (334, 36517), (338, 36538), (341, 36604),

Gene: Fludd_90 Start: 34710, Stop: 37313, Start Num: 24
Candidate Starts for Fludd_90:

(Start: 24 @34710 has 171 MA's), (35, 34779), (36, 34785), (37, 34803), (44, 34839), (71, 34947), (74, 34959), (91, 35124), (92, 35130), (102, 35325), (105, 35346), (107, 35367), (108, 35376), (114, 35433), (116, 35475), (118, 35529), (119, 35574), (127, 35643), (129, 35679), (131, 35706), (133, 35733), (137, 35793), (140, 35826), (141, 35829), (144, 35850), (146, 35877), (150, 35949), (154, 36018), (159, 36069), (211, 36279), (212, 36285), (213, 36291), (216, 36324), (217, 36366), (219, 36378), (221, 36396), (245, 36570), (247, 36579), (248, 36582), (249, 36585), (251, 36597), (254, 36609), (255, 36612), (260, 36627), (277, 36693), (281, 36708), (295, 36852), (297, 36864), (314, 37044), (318, 37062), (330, 37143), (334, 37179), (338, 37200), (341, 37266),

Gene: Fongie_88 Start: 36083, Stop: 38707, Start Num: 24
Candidate Starts for Fongie_88:
(Start: 24 @36083 has 171 MA's), (35, 36152), (36, 36158), (37, 36176), (44, 36212), (71, 36320), (74, 36332), (91, 36497), (92, 36503), (102, 36698), (105, 36719), (107, 36740), (108, 36749), (114, 36806), (116, 36848), (118, 36902), (119, 36947), (127, 37016), (129, 37052), (131, 37079), (133, 37106), (137, 37166), (140, 37199), (141, 37202), (145, 37232), (146, 37250), (154, 37391), (159, 37442), (211, 37652), (212, 37658), (216, 37697), (217, 37739), (219, 37751), (221, 37769), (245, 37943), (247, 37952), (248, 37955), (249, 37958), (251, 37970), (254, 37982), (255, 37985), (260, 38000), (277, 38087), (281, 38102), (295, 38246), (297, 38258), (314, 38438), (318, 38456), (330, 38537), (334, 38573), (338, 38594), (341, 38660),

Gene: FoxtrotP1_90 Start: 36642, Stop: 39266, Start Num: 24
Candidate Starts for FoxtrotP1_90:
(Start: 24 @36642 has 171 MA's), (35, 36711), (36, 36717), (37, 36735), (44, 36771), (71, 36879), (74, 36891), (91, 37056), (92, 37062), (102, 37257), (105, 37278), (107, 37299), (108, 37308), (114, 37365), (116, 37407), (118, 37461), (119, 37506), (127, 37575), (129, 37611), (131, 37638), (133, 37665), (137, 37725), (140, 37758), (141, 37761), (145, 37791), (146, 37809), (154, 37950), (159, 38001), (211, 38211), (212, 38217), (216, 38256), (217, 38298), (219, 38310), (221, 38328), (245, 38502), (247, 38511), (248, 38514), (249, 38517), (251, 38529), (254, 38541), (255, 38544), (260, 38559), (277, 38646), (281, 38661), (295, 38805), (297, 38817), (314, 38997), (318, 39015), (330, 39096), (334, 39132), (338, 39153), (341, 39219),

Gene: FrayBell_96 Start: 37692, Stop: 40316, Start Num: 24
Candidate Starts for FrayBell_96:
(Start: 24 @37692 has 171 MA's), (35, 37761), (36, 37767), (37, 37785), (44, 37821), (71, 37929), (74, 37941), (91, 38106), (92, 38112), (102, 38307), (105, 38328), (107, 38349), (108, 38358), (114, 38415), (116, 38457), (118, 38511), (119, 38556), (127, 38625), (129, 38661), (131, 38688), (133, 38715), (137, 38775), (140, 38808), (141, 38811), (145, 38841), (146, 38859), (154, 39000), (159, 39051), (211, 39261), (212, 39267), (213, 39273), (216, 39306), (217, 39348), (219, 39360), (221, 39378), (245, 39552), (247, 39561), (248, 39564), (249, 39567), (251, 39579), (254, 39591), (255, 39594), (260, 39609), (277, 39696), (281, 39711), (295, 39855), (297, 39867), (314, 40047), (318, 40065), (330, 40146), (334, 40182), (338, 40203), (341, 40269),

Gene: FudgeTart_90 Start: 35436, Stop: 38060, Start Num: 24
Candidate Starts for FudgeTart_90:
(Start: 24 @35436 has 171 MA's), (35, 35505), (36, 35511), (37, 35529), (44, 35565), (71, 35673), (74, 35685), (91, 35850), (92, 35856), (102, 36051), (105, 36072), (107, 36093), (108, 36102), (114, 36159), (116, 36201), (118, 36255), (119, 36300), (127, 36369), (129, 36405), (131, 36432), (133, 36459), (137, 36519), (140, 36552), (141, 36555), (145, 36585), (146, 36603), (154, 36744), (159, 36795), (211, 37005), (212, 37011), (216, 37050), (217, 37092), (219, 37104), (221, 37122), (245, 37296), (247, 37305), (248, 37308), (249, 37311), (251, 37323), (254, 37335), (255, 37338), (260, 37353), (277, 37440), (281, 37455), (295, 37599), (297, 37611), (314, 37791), (318, 37809), (330, 37890), (334, 37926), (338, 37947), (341, 38013),

Gene: Gabriel_92 Start: 35478, Stop: 38102, Start Num: 24
Candidate Starts for Gabriel_92:
(Start: 24 @35478 has 171 MA's), (35, 35547), (36, 35553), (37, 35571), (44, 35607), (71, 35715), (74, 35727), (91, 35892), (92, 35898), (102, 36093), (105, 36114), (107, 36135), (108, 36144), (114, 36201), (116, 36243), (118, 36297), (119, 36342), (127, 36411), (129, 36447), (131, 36474), (133, 36501), (137, 36561), (140, 36594), (141, 36597), (145, 36627), (146, 36645), (154, 36786), (159, 36837), (211, 37047), (212, 37053), (216, 37092), (217, 37134), (219, 37146), (221, 37164), (245, 37338), (247, 37347), (248, 37350), (249, 37353), (251, 37365), (254, 37377), (255, 37380), (260, 37395), (277, 37482), (281, 37497), (295, 37641), (297, 37653), (314, 37833), (318, 37851), (330, 37932), (334, 37968), (338, 37989), (341, 38055),

Gene: Gamgam_90 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Gamgam_90:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Ghost_89 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Ghost_89:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Gizmo_94 Start: 35551, Stop: 39243, Start Num: 24
Candidate Starts for Gizmo_94:
(Start: 24 @35551 has 171 MA's), (35, 35620), (36, 35626), (37, 35644), (44, 35680), (71, 35788), (74, 35800), (91, 35965), (92, 35971), (102, 36166), (105, 36187), (107, 36208), (108, 36217), (114, 36274), (116, 36316), (118, 36370), (119, 36415), (127, 36484), (129, 36520), (131, 36547), (133, 36574), (137, 36634), (140, 36667), (141, 36670), (145, 36700), (146, 36718), (154, 36859), (159, 36910), (172, 37066), (173, 37069), (174, 37084), (175, 37165), (176, 37168), (177, 37180), (178, 37219), (180, 37288), (183, 37381), (184, 37432), (185, 37444), (187, 37492), (188, 37498), (190, 37585), (191, 37624), (192, 37654), (194, 37666), (195, 37750), (196, 37777), (197, 37795), (199, 37873), (200, 37882), (202, 37921), (203, 37924), (204, 37978), (205, 38020), (206, 38035), (207, 38038), (208, 38044), (209, 38119), (211, 38188), (212, 38194), (216, 38233), (217, 38275), (219, 38287), (221, 38305), (245, 38479), (247, 38488), (248, 38491), (249, 38494), (251, 38506), (254, 38518), (255, 38521), (260, 38536), (277, 38623), (281, 38638), (295, 38782), (297, 38794), (314, 38974), (318, 38992), (330, 39073), (334, 39109), (338, 39130), (341, 39196),

Gene: GlutenPhree_91 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for GlutenPhree_91:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133,

36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: GoldenSnow_95 Start: 37691, Stop: 40315, Start Num: 24
Candidate Starts for GoldenSnow_95:
(Start: 24 @37691 has 171 MA's), (35, 37760), (36, 37766), (37, 37784), (44, 37820), (71, 37928), (74, 37940), (91, 38105), (92, 38111), (102, 38306), (105, 38327), (107, 38348), (108, 38357), (114, 38414), (116, 38456), (118, 38510), (119, 38555), (127, 38624), (129, 38660), (131, 38687), (133, 38714), (137, 38774), (140, 38807), (141, 38810), (145, 38840), (146, 38858), (154, 38999), (159, 39050), (211, 39260), (212, 39266), (213, 39272), (216, 39305), (217, 39347), (219, 39359), (221, 39377), (245, 39551), (247, 39560), (248, 39563), (249, 39566), (251, 39578), (254, 39590), (255, 39593), (260, 39608), (277, 39695), (281, 39710), (295, 39854), (297, 39866), (314, 40046), (318, 40064), (330, 40145), (334, 40181), (338, 40202), (341, 40268),

Gene: Grasshills_97 Start: 38300, Stop: 40924, Start Num: 24
Candidate Starts for Grasshills_97:
(Start: 24 @38300 has 171 MA's), (35, 38369), (36, 38375), (37, 38393), (44, 38429), (71, 38537), (74, 38549), (92, 38720), (102, 38915), (105, 38936), (107, 38957), (108, 38966), (114, 39023), (116, 39065), (118, 39119), (119, 39164), (127, 39233), (129, 39269), (131, 39296), (133, 39323), (137, 39383), (140, 39416), (141, 39419), (145, 39449), (146, 39467), (154, 39608), (159, 39659), (211, 39869), (212, 39875), (213, 39881), (216, 39914), (217, 39956), (219, 39968), (221, 39986), (245, 40160), (247, 40169), (248, 40172), (249, 40175), (251, 40187), (254, 40199), (255, 40202), (260, 40217), (277, 40304), (281, 40319), (295, 40463), (297, 40475), (314, 40655), (318, 40673), (330, 40754), (334, 40790), (338, 40811), (341, 40877),

Gene: Greely_91 Start: 37183, Stop: 39693, Start Num: 31
Candidate Starts for Greely_91:
(Start: 31 @37183 has 3 MA's), (34, 37189), (40, 37228), (45, 37246), (54, 37291), (59, 37312), (63, 37330), (66, 37339), (71, 37360), (89, 37498), (92, 37543), (94, 37591), (102, 37738), (105, 37759), (107, 37780), (108, 37789), (109, 37801), (110, 37804), (112, 37828), (119, 37987), (127, 38056), (129, 38092), (141, 38242), (145, 38272), (146, 38290), (152, 38419), (153, 38428), (154, 38431), (155, 38434), (161, 38530), (162, 38536), (167, 38599), (170, 38623), (211, 38692), (212, 38698), (213, 38704), (215, 38719), (216, 38737), (219, 38791), (221, 38809), (234, 38938), (241, 38971), (245, 38983), (248, 38995), (254, 39022), (260, 39040), (278, 39145), (316, 39448), (323, 39490), (343, 39667),

Gene: Grungle_77 Start: 32630, Stop: 35254, Start Num: 24
Candidate Starts for Grungle_77:
(Start: 24 @32630 has 171 MA's), (35, 32699), (36, 32705), (37, 32723), (44, 32759), (71, 32867), (74, 32879), (91, 33044), (92, 33050), (102, 33245), (105, 33266), (107, 33287), (108, 33296), (114, 33353), (116, 33395), (118, 33449), (119, 33494), (127, 33563), (129, 33599), (131, 33626), (133, 33653), (137, 33713), (140, 33746), (141, 33749), (145, 33779), (146, 33797), (154, 33938), (159, 33989), (211, 34199), (212, 34205), (216, 34244), (217, 34286), (219, 34298), (221, 34316), (245, 34490), (247, 34499), (248, 34502), (249, 34505), (251, 34517), (254, 34529), (255, 34532), (260, 34547), (277, 34634), (281, 34649), (295, 34793), (297, 34805), (314, 34985), (318, 35003), (330, 35084), (334, 35120), (338, 35141), (341, 35207),

Gene: Guwapp_89 Start: 35343, Stop: 37967, Start Num: 24
Candidate Starts for Guwapp_89:

(Start: 24 @35343 has 171 MA's), (35, 35412), (36, 35418), (37, 35436), (44, 35472), (71, 35580), (74, 35592), (91, 35757), (92, 35763), (102, 35958), (105, 35979), (107, 36000), (108, 36009), (114, 36066), (116, 36108), (118, 36162), (119, 36207), (127, 36276), (129, 36312), (131, 36339), (133, 36366), (137, 36426), (140, 36459), (141, 36462), (145, 36492), (146, 36510), (154, 36651), (159, 36702), (211, 36912), (212, 36918), (216, 36957), (217, 36999), (219, 37011), (221, 37029), (245, 37203), (247, 37212), (248, 37215), (249, 37218), (251, 37230), (254, 37242), (255, 37245), (260, 37260), (277, 37347), (281, 37362), (295, 37506), (297, 37518), (314, 37698), (318, 37716), (330, 37797), (334, 37833), (338, 37854), (341, 37920),

Gene: Halldule_83 Start: 33660, Stop: 36284, Start Num: 24
Candidate Starts for Halldule_83:
(Start: 24 @33660 has 171 MA's), (35, 33729), (36, 33735), (37, 33753), (44, 33789), (71, 33897), (74, 33909), (91, 34074), (92, 34080), (102, 34275), (105, 34296), (107, 34317), (108, 34326), (114, 34383), (116, 34425), (118, 34479), (119, 34524), (127, 34593), (129, 34629), (131, 34656), (133, 34683), (137, 34743), (140, 34776), (141, 34779), (145, 34809), (146, 34827), (154, 34968), (159, 35019), (211, 35229), (212, 35235), (216, 35274), (217, 35316), (219, 35328), (221, 35346), (245, 35520), (247, 35529), (248, 35532), (249, 35535), (251, 35547), (254, 35559), (255, 35562), (260, 35577), (277, 35664), (281, 35679), (295, 35823), (297, 35835), (314, 36015), (318, 36033), (330, 36114), (334, 36150), (338, 36171), (341, 36237),

Gene: HyRo_82 Start: 34439, Stop: 37042, Start Num: 24
Candidate Starts for HyRo_82:
(Start: 24 @34439 has 171 MA's), (35, 34508), (36, 34514), (37, 34532), (44, 34568), (71, 34676), (74, 34688), (91, 34853), (92, 34859), (102, 35054), (105, 35075), (107, 35096), (108, 35105), (114, 35162), (116, 35204), (118, 35258), (119, 35303), (127, 35372), (129, 35408), (131, 35435), (133, 35462), (137, 35522), (140, 35555), (141, 35558), (144, 35579), (146, 35606), (150, 35678), (154, 35747), (159, 35798), (211, 36008), (212, 36014), (213, 36020), (216, 36053), (217, 36095), (219, 36107), (221, 36125), (245, 36299), (247, 36308), (248, 36311), (249, 36314), (251, 36326), (254, 36338), (255, 36341), (260, 36356), (277, 36422), (281, 36437), (295, 36581), (297, 36593), (314, 36773), (318, 36791), (330, 36872), (334, 36908), (338, 36929), (341, 36995),

Gene: I3_96 Start: 36210, Stop: 38834, Start Num: 24
Candidate Starts for I3_96:
(Start: 24 @36210 has 171 MA's), (35, 36279), (36, 36285), (37, 36303), (44, 36339), (71, 36447), (74, 36459), (91, 36624), (92, 36630), (102, 36825), (105, 36846), (107, 36867), (108, 36876), (114, 36933), (116, 36975), (118, 37029), (119, 37074), (127, 37143), (129, 37179), (131, 37206), (133, 37233), (137, 37293), (140, 37326), (141, 37329), (145, 37359), (146, 37377), (154, 37518), (159, 37569), (211, 37779), (212, 37785), (213, 37791), (216, 37824), (217, 37866), (219, 37878), (221, 37896), (245, 38070), (247, 38079), (248, 38082), (249, 38085), (251, 38097), (254, 38109), (255, 38112), (260, 38127), (277, 38214), (281, 38229), (295, 38373), (297, 38385), (314, 38565), (318, 38583), (330, 38664), (334, 38700), (338, 38721), (341, 38787),

Gene: IkeLoa_84 Start: 34608, Stop: 37232, Start Num: 24
Candidate Starts for IkeLoa_84:
(Start: 24 @34608 has 171 MA's), (35, 34677), (36, 34683), (37, 34701), (44, 34737), (71, 34845), (74, 34857), (91, 35022), (92, 35028), (102, 35223), (105, 35244), (107, 35265), (108, 35274), (114, 35331), (116, 35373), (118, 35427), (119, 35472), (127, 35541), (129, 35577), (131, 35604), (133, 35631), (137, 35691), (140, 35724), (141, 35727), (145, 35757), (146, 35775), (154, 35916), (159, 35967), (211, 36177), (212, 36183), (213, 36189), (216, 36222), (217, 36264), (219, 36276), (221, 36294), (245, 36468), (247, 36477), (248, 36480), (249, 36483), (251, 36495), (254, 36507), (255, 36510), (260, 36525), (277, 36612), (281, 36627), (295, 36771), (297, 36783), (314, 36963), (318, 36981), (330, 37062), (334, 37098), (338, 37119), (341, 37185),

Gene: InigoMontoya_91 Start: 35209, Stop: 37833, Start Num: 24
Candidate Starts for InigoMontoya_91:
(Start: 24 @35209 has 171 MA's), (35, 35278), (36, 35284), (37, 35302), (44, 35338), (71, 35446), (74, 35458), (91, 35623), (92, 35629), (102, 35824), (105, 35845), (107, 35866), (108, 35875), (114, 35932), (116, 35974), (118, 36028), (119, 36073), (127, 36142), (129, 36178), (131, 36205), (133, 36232), (137, 36292), (140, 36325), (141, 36328), (145, 36358), (146, 36376), (154, 36517), (159, 36568), (211, 36778), (212, 36784), (216, 36823), (217, 36865), (219, 36877), (221, 36895), (245, 37069), (247, 37078), (248, 37081), (249, 37084), (251, 37096), (254, 37108), (255, 37111), (260, 37126), (277, 37213), (281, 37228), (295, 37372), (297, 37384), (314, 37564), (318, 37582), (330, 37663), (334, 37699), (338, 37720), (341, 37786),

Gene: InterFolia_99 Start: 38630, Stop: 41254, Start Num: 24
Candidate Starts for InterFolia_99:
(Start: 24 @38630 has 171 MA's), (35, 38699), (36, 38705), (37, 38723), (44, 38759), (71, 38867), (74, 38879), (91, 39044), (92, 39050), (102, 39245), (105, 39266), (107, 39287), (108, 39296), (114, 39353), (116, 39395), (118, 39449), (119, 39494), (127, 39563), (129, 39599), (131, 39626), (133, 39653), (137, 39713), (140, 39746), (141, 39749), (145, 39779), (146, 39797), (154, 39938), (159, 39989), (211, 40199), (212, 40205), (213, 40211), (216, 40244), (217, 40286), (219, 40298), (221, 40316), (245, 40490), (247, 40499), (248, 40502), (249, 40505), (251, 40517), (254, 40529), (255, 40532), (260, 40547), (277, 40634), (281, 40649), (295, 40793), (297, 40805), (314, 40985), (318, 41003), (330, 41084), (334, 41120), (338, 41141), (341, 41207),

Gene: Iota_84 Start: 34989, Stop: 37613, Start Num: 24
Candidate Starts for Iota_84:
(Start: 24 @34989 has 171 MA's), (35, 35058), (36, 35064), (37, 35082), (44, 35118), (71, 35226), (74, 35238), (91, 35403), (92, 35409), (102, 35604), (105, 35625), (107, 35646), (108, 35655), (114, 35712), (116, 35754), (118, 35808), (119, 35853), (127, 35922), (129, 35958), (131, 35985), (133, 36012), (137, 36072), (140, 36105), (141, 36108), (145, 36138), (146, 36156), (154, 36297), (159, 36348), (211, 36558), (212, 36564), (216, 36603), (217, 36645), (219, 36657), (221, 36675), (245, 36849), (247, 36858), (248, 36861), (249, 36864), (251, 36876), (254, 36888), (255, 36891), (260, 36906), (277, 36993), (281, 37008), (295, 37152), (297, 37164), (314, 37344), (318, 37362), (330, 37443), (334, 37479), (338, 37500), (341, 37566),

Gene: Issimir_89 Start: 36186, Stop: 38810, Start Num: 24
Candidate Starts for Issimir_89:
(Start: 24 @36186 has 171 MA's), (35, 36255), (36, 36261), (37, 36279), (44, 36315), (71, 36423), (74, 36435), (91, 36600), (92, 36606), (102, 36801), (105, 36822), (107, 36843), (108, 36852), (114, 36909), (116, 36951), (118, 37005), (119, 37050), (127, 37119), (129, 37155), (131, 37182), (133, 37209), (137, 37269), (140, 37302), (141, 37305), (145, 37335), (146, 37353), (154, 37494), (159, 37545), (211, 37755), (212, 37761), (216, 37800), (217, 37842), (219, 37854), (221, 37872), (245, 38046), (247, 38055), (248, 38058), (249, 38061), (251, 38073), (254, 38085), (255, 38088), (260, 38103), (277, 38190), (281, 38205), (295, 38349), (297, 38361), (314, 38541), (318, 38559), (330, 38640), (334, 38676), (338, 38697), (341, 38763),

Gene: Izajani_90 Start: 36259, Stop: 38883, Start Num: 24
Candidate Starts for Izajani_90:
(Start: 24 @36259 has 171 MA's), (35, 36328), (36, 36334), (37, 36352), (44, 36388), (71, 36496), (74, 36508), (91, 36673), (92, 36679), (102, 36874), (105, 36895), (107, 36916), (108, 36925), (114, 36982), (116, 37024), (118, 37078), (119, 37123), (127, 37192), (129, 37228), (131, 37255), (133, 37282), (137, 37342), (140, 37375), (141, 37378), (145, 37408), (146, 37426), (154, 37567), (159, 37618), (211, 37828), (212, 37834), (216, 37873), (217, 37915), (219, 37927), (221, 37945), (245, 38119), (247, 38128), (248, 38131), (249, 38134), (251, 38146), (254, 38158), (255, 38161), (260, 38176), (277, 38263), (281, 38278), (295, 38422), (297, 38434), (314, 38614), (318, 38632), (330,

38713), (334, 38749), (338, 38770), (341, 38836),

Gene: JPickles_88 Start: 33675, Stop: 37103, Start Num: 1
Candidate Starts for JPickles_88:
(Start: 1 @33675 has 20 MA's), (Start: 2 @33744 has 2 MA's), (3, 33750), (4, 33768), (6, 33804), (10, 33912), (11, 33924), (13, 34047), (14, 34098), (15, 34152), (16, 34164), (17, 34185), (25, 34479), (32, 34524), (46, 34602), (55, 34638), (63, 34671), (67, 34686), (76, 34731), (78, 34740), (82, 34773), (85, 34809), (91, 34893), (92, 34899), (102, 35094), (105, 35115), (107, 35136), (108, 35145), (114, 35202), (116, 35244), (118, 35298), (119, 35343), (127, 35412), (129, 35448), (131, 35475), (133, 35502), (137, 35562), (140, 35595), (141, 35598), (145, 35628), (146, 35646), (154, 35787), (159, 35838), (211, 36048), (212, 36054), (216, 36093), (217, 36135), (219, 36147), (221, 36165), (245, 36339), (247, 36348), (248, 36351), (249, 36354), (251, 36366), (254, 36378), (255, 36381), (260, 36396), (277, 36483), (281, 36498), (295, 36642), (297, 36654), (314, 36834), (318, 36852), (330, 36933), (334, 36969), (338, 36990), (341, 37056),

Gene: Janiyra_92 Start: 35540, Stop: 38143, Start Num: 24
Candidate Starts for Janiyra_92:
(Start: 24 @35540 has 171 MA's), (35, 35609), (36, 35615), (37, 35633), (44, 35669), (71, 35777), (74, 35789), (91, 35954), (92, 35960), (102, 36155), (105, 36176), (107, 36197), (108, 36206), (114, 36263), (116, 36305), (118, 36359), (119, 36404), (127, 36473), (129, 36509), (131, 36536), (133, 36563), (137, 36623), (140, 36656), (141, 36659), (144, 36680), (146, 36707), (150, 36779), (154, 36848), (159, 36899), (211, 37109), (212, 37115), (213, 37121), (216, 37154), (217, 37196), (219, 37208), (221, 37226), (245, 37400), (247, 37409), (248, 37412), (249, 37415), (251, 37427), (254, 37439), (255, 37442), (260, 37457), (277, 37523), (281, 37538), (295, 37682), (297, 37694), (314, 37874), (318, 37892), (330, 37973), (334, 38009), (338, 38030), (341, 38096),

Gene: JayJay_96 Start: 36812, Stop: 40171, Start Num: 2
Candidate Starts for JayJay_96:
(Start: 1 @36743 has 20 MA's), (Start: 2 @36812 has 2 MA's), (3, 36818), (4, 36836), (6, 36872), (10, 36980), (11, 36992), (13, 37115), (14, 37166), (15, 37220), (16, 37232), (17, 37253), (32, 37547), (Start: 38 @37592 has 1 MA's), (49, 37670), (57, 37706), (63, 37739), (67, 37754), (76, 37799), (78, 37808), (82, 37841), (85, 37877), (91, 37961), (92, 37967), (102, 38162), (105, 38183), (107, 38204), (108, 38213), (114, 38270), (116, 38312), (118, 38366), (119, 38411), (127, 38480), (129, 38516), (131, 38543), (133, 38570), (137, 38630), (140, 38663), (141, 38666), (145, 38696), (146, 38714), (154, 38855), (159, 38906), (211, 39116), (212, 39122), (216, 39161), (217, 39203), (219, 39215), (221, 39233), (245, 39407), (247, 39416), (248, 39419), (249, 39422), (251, 39434), (254, 39446), (255, 39449), (260, 39464), (277, 39551), (281, 39566), (295, 39710), (297, 39722), (314, 39902), (318, 39920), (330, 40001), (334, 40037), (338, 40058), (341, 40124),

Gene: Jaygup_90 Start: 35200, Stop: 38628, Start Num: 1
Candidate Starts for Jaygup_90:
(Start: 1 @35200 has 20 MA's), (Start: 2 @35269 has 2 MA's), (3, 35275), (4, 35293), (6, 35329), (10, 35437), (11, 35449), (13, 35572), (14, 35623), (15, 35677), (16, 35689), (17, 35710), (25, 36004), (32, 36049), (46, 36127), (55, 36163), (63, 36196), (67, 36211), (76, 36256), (78, 36265), (82, 36298), (85, 36334), (91, 36418), (92, 36424), (102, 36619), (105, 36640), (107, 36661), (108, 36670), (114, 36727), (116, 36769), (118, 36823), (119, 36868), (127, 36937), (129, 36973), (131, 37000), (133, 37027), (137, 37087), (140, 37120), (141, 37123), (145, 37153), (146, 37171), (154, 37312), (159, 37363), (211, 37573), (212, 37579), (216, 37618), (217, 37660), (219, 37672), (221, 37690), (245, 37864), (247, 37873), (248, 37876), (249, 37879), (251, 37891), (254, 37903), (255, 37906), (260, 37921), (277, 38008), (281, 38023), (295, 38167), (297, 38179), (314, 38359), (318, 38377), (330, 38458), (334, 38494), (338, 38515), (341, 38581),

Gene: JeanGrey_27 Start: 14251, Stop: 16443, Start Num: 38

Candidate Starts for JeanGrey_27:
(Start: 38 @14251 has 1 MA's), (63, 14386), (72, 14410), (73, 14413), (86, 14503), (90, 14554), (92, 14590), (94, 14638), (97, 14671), (98, 14680), (100, 14740), (103, 14782), (119, 15013), (121, 15025), (124, 15058), (127, 15082), (128, 15085), (137, 15235), (140, 15268), (153, 15457), (154, 15460), (158, 15505), (163, 15574), (210, 15703), (211, 15721), (221, 15838), (222, 15841), (237, 15985), (240, 16000), (269, 16126), (283, 16207), (284, 16210), (304, 16408),

Gene: Jedediah_93 Start: 35700, Stop: 39128, Start Num: 1
Candidate Starts for Jedediah_93:
(Start: 1 @35700 has 20 MA's), (Start: 2 @35769 has 2 MA's), (3, 35775), (4, 35793), (6, 35829), (10, 35937), (11, 35949), (13, 36072), (14, 36123), (15, 36177), (16, 36189), (17, 36210), (25, 36504), (32, 36549), (46, 36627), (55, 36663), (63, 36696), (67, 36711), (76, 36756), (78, 36765), (82, 36798), (85, 36834), (91, 36918), (92, 36924), (102, 37119), (105, 37140), (107, 37161), (108, 37170), (114, 37227), (116, 37269), (118, 37323), (119, 37368), (127, 37437), (129, 37473), (131, 37500), (133, 37527), (137, 37587), (138, 37599), (140, 37620), (141, 37623), (145, 37653), (146, 37671), (154, 37812), (159, 37863), (211, 38073), (212, 38079), (216, 38118), (217, 38160), (219, 38172), (221, 38190), (245, 38364), (247, 38373), (248, 38376), (249, 38379), (251, 38391), (254, 38403), (255, 38406), (260, 38421), (277, 38508), (281, 38523), (295, 38667), (297, 38679), (314, 38859), (318, 38877), (330, 38958), (334, 38994), (338, 39015), (341, 39081),

Gene: Jemmno_90 Start: 35150, Stop: 38578, Start Num: 1
Candidate Starts for Jemmno_90:
(Start: 1 @35150 has 20 MA's), (Start: 2 @35219 has 2 MA's), (3, 35225), (4, 35243), (6, 35279), (10, 35387), (11, 35399), (13, 35522), (14, 35573), (15, 35627), (16, 35639), (17, 35660), (25, 35954), (32, 35999), (46, 36077), (55, 36113), (63, 36146), (67, 36161), (76, 36206), (78, 36215), (82, 36248), (85, 36284), (91, 36368), (92, 36374), (102, 36569), (105, 36590), (107, 36611), (108, 36620), (114, 36677), (116, 36719), (118, 36773), (119, 36818), (127, 36887), (129, 36923), (131, 36950), (133, 36977), (137, 37037), (140, 37070), (141, 37073), (145, 37103), (146, 37121), (154, 37262), (159, 37313), (211, 37523), (212, 37529), (216, 37568), (217, 37610), (219, 37622), (221, 37640), (245, 37814), (247, 37823), (248, 37826), (249, 37829), (251, 37841), (254, 37853), (255, 37856), (260, 37871), (277, 37958), (281, 37973), (295, 38117), (297, 38129), (314, 38309), (318, 38327), (330, 38408), (334, 38444), (338, 38465), (341, 38531),

Gene: Jessibeth14_89 Start: 36028, Stop: 38652, Start Num: 24
Candidate Starts for Jessibeth14_89:
(Start: 24 @36028 has 171 MA's), (35, 36097), (36, 36103), (37, 36121), (44, 36157), (71, 36265), (74, 36277), (91, 36442), (92, 36448), (102, 36643), (105, 36664), (107, 36685), (108, 36694), (114, 36751), (116, 36793), (118, 36847), (119, 36892), (127, 36961), (129, 36997), (131, 37024), (133, 37051), (137, 37111), (140, 37144), (141, 37147), (145, 37177), (146, 37195), (154, 37336), (159, 37387), (211, 37597), (212, 37603), (216, 37642), (217, 37684), (219, 37696), (221, 37714), (245, 37888), (247, 37897), (248, 37900), (249, 37903), (251, 37915), (254, 37927), (255, 37930), (260, 37945), (277, 38032), (281, 38047), (295, 38191), (297, 38203), (314, 38383), (318, 38401), (330, 38482), (334, 38518), (338, 38539), (341, 38605),

Gene: Jezreel_90 Start: 35942, Stop: 38566, Start Num: 24
Candidate Starts for Jezreel_90:
(Start: 24 @35942 has 171 MA's), (35, 36011), (36, 36017), (37, 36035), (44, 36071), (71, 36179), (74, 36191), (91, 36356), (92, 36362), (102, 36557), (105, 36578), (107, 36599), (108, 36608), (114, 36665), (116, 36707), (118, 36761), (119, 36806), (127, 36875), (129, 36911), (131, 36938), (133, 36965), (137, 37025), (140, 37058), (141, 37061), (145, 37091), (146, 37109), (154, 37250), (159, 37301), (211, 37511), (212, 37517), (213, 37523), (216, 37556), (217, 37598), (219, 37610), (221, 37628), (245, 37802), (247, 37811), (248, 37814), (249, 37817), (251, 37829), (254, 37841), (255, 37844), (260, 37859), (277, 37946), (281, 37961), (295, 38105), (297, 38117), (314, 38297), (318,

38315), (330, 38396), (334, 38432), (338, 38453), (341, 38519),

Gene: JigglyPuff_96 Start: 37803, Stop: 40427, Start Num: 24
Candidate Starts for JigglyPuff_96:
(22, 37755), (Start: 24 @37803 has 171 MA's), (35, 37872), (36, 37878), (37, 37896), (44, 37932), (71, 38040), (74, 38052), (91, 38217), (92, 38223), (102, 38418), (105, 38439), (107, 38460), (108, 38469), (114, 38526), (116, 38568), (118, 38622), (119, 38667), (127, 38736), (129, 38772), (131, 38799), (133, 38826), (137, 38886), (140, 38919), (141, 38922), (145, 38952), (146, 38970), (154, 39111), (159, 39162), (211, 39372), (212, 39378), (213, 39384), (216, 39417), (217, 39459), (219, 39471), (221, 39489), (245, 39663), (247, 39672), (248, 39675), (249, 39678), (251, 39690), (254, 39702), (255, 39705), (260, 39720), (277, 39807), (281, 39822), (295, 39966), (297, 39978), (314, 40158), (318, 40176), (330, 40257), (334, 40293), (338, 40314), (341, 40380),

Gene: JulietS_83 Start: 33511, Stop: 36135, Start Num: 24
Candidate Starts for JulietS_83:
(Start: 24 @33511 has 171 MA's), (35, 33580), (36, 33586), (37, 33604), (44, 33640), (71, 33748), (74, 33760), (91, 33925), (92, 33931), (102, 34126), (105, 34147), (107, 34168), (108, 34177), (114, 34234), (116, 34276), (118, 34330), (119, 34375), (127, 34444), (129, 34480), (131, 34507), (133, 34534), (137, 34594), (140, 34627), (141, 34630), (145, 34660), (146, 34678), (154, 34819), (159, 34870), (211, 35080), (212, 35086), (216, 35125), (217, 35167), (219, 35179), (221, 35197), (245, 35371), (247, 35380), (248, 35383), (249, 35386), (251, 35398), (254, 35410), (255, 35413), (260, 35428), (277, 35515), (281, 35530), (295, 35674), (297, 35686), (314, 35866), (318, 35884), (330, 35965), (334, 36001), (338, 36022), (341, 36088),

Gene: JustHall_86 Start: 35178, Stop: 37781, Start Num: 24
Candidate Starts for JustHall_86:
(Start: 24 @35178 has 171 MA's), (35, 35247), (36, 35253), (37, 35271), (44, 35307), (71, 35415), (74, 35427), (91, 35592), (92, 35598), (102, 35793), (105, 35814), (107, 35835), (108, 35844), (114, 35901), (116, 35943), (118, 35997), (119, 36042), (127, 36111), (129, 36147), (131, 36174), (133, 36201), (137, 36261), (140, 36294), (141, 36297), (144, 36318), (146, 36345), (150, 36417), (154, 36486), (159, 36537), (211, 36747), (212, 36753), (213, 36759), (216, 36792), (217, 36834), (219, 36846), (221, 36864), (245, 37038), (247, 37047), (248, 37050), (249, 37053), (251, 37065), (254, 37077), (255, 37080), (260, 37095), (277, 37161), (281, 37176), (295, 37320), (297, 37332), (314, 37512), (318, 37530), (330, 37611), (334, 37647), (338, 37668), (341, 37734),

Gene: Kamryn_90 Start: 36767, Stop: 39391, Start Num: 24
Candidate Starts for Kamryn_90:
(Start: 24 @36767 has 171 MA's), (35, 36836), (36, 36842), (37, 36860), (44, 36896), (71, 37004), (74, 37016), (91, 37181), (92, 37187), (102, 37382), (105, 37403), (107, 37424), (108, 37433), (114, 37490), (116, 37532), (118, 37586), (119, 37631), (127, 37700), (129, 37736), (131, 37763), (133, 37790), (137, 37850), (140, 37883), (141, 37886), (145, 37916), (146, 37934), (154, 38075), (159, 38126), (211, 38336), (212, 38342), (216, 38381), (217, 38423), (219, 38435), (221, 38453), (245, 38627), (247, 38636), (248, 38639), (249, 38642), (251, 38654), (254, 38666), (255, 38669), (260, 38684), (277, 38771), (281, 38786), (295, 38930), (297, 38942), (314, 39122), (318, 39140), (330, 39221), (334, 39257), (338, 39278), (341, 39344),

Gene: Kboogie_93 Start: 34822, Stop: 37425, Start Num: 24
Candidate Starts for Kboogie_93:
(Start: 24 @34822 has 171 MA's), (35, 34891), (36, 34897), (37, 34915), (44, 34951), (71, 35059), (74, 35071), (91, 35236), (92, 35242), (102, 35437), (105, 35458), (107, 35479), (108, 35488), (114, 35545), (116, 35587), (118, 35641), (119, 35686), (127, 35755), (129, 35791), (131, 35818), (133, 35845), (137, 35905), (140, 35938), (141, 35941), (144, 35962), (146, 35989), (150, 36061), (154, 36130), (159, 36181), (211, 36391), (212, 36397), (213, 36403), (216, 36436), (217, 36478), (219,

36490), (221, 36508), (245, 36682), (247, 36691), (248, 36694), (249, 36697), (251, 36709), (254, 36721), (255, 36724), (260, 36739), (277, 36805), (281, 36820), (295, 36964), (297, 36976), (314, 37156), (318, 37174), (330, 37255), (334, 37291), (338, 37312), (341, 37378),

Gene: Khaleesi_89 Start: 35990, Stop: 38614, Start Num: 24
Candidate Starts for Khaleesi_89:
(Start: 24 @35990 has 171 MA's), (35, 36059), (36, 36065), (37, 36083), (44, 36119), (71, 36227), (74, 36239), (91, 36404), (92, 36410), (102, 36605), (105, 36626), (107, 36647), (108, 36656), (114, 36713), (116, 36755), (118, 36809), (119, 36854), (127, 36923), (129, 36959), (131, 36986), (133, 37013), (137, 37073), (140, 37106), (141, 37109), (145, 37139), (146, 37157), (154, 37298), (159, 37349), (211, 37559), (212, 37565), (216, 37604), (217, 37646), (219, 37658), (221, 37676), (245, 37850), (247, 37859), (248, 37862), (249, 37865), (251, 37877), (254, 37889), (255, 37892), (260, 37907), (277, 37994), (281, 38009), (295, 38153), (297, 38165), (314, 38345), (318, 38363), (330, 38444), (334, 38480), (338, 38501), (341, 38567),

Gene: Koguma_86 Start: 33731, Stop: 36355, Start Num: 24
Candidate Starts for Koguma_86:
(Start: 24 @33731 has 171 MA's), (35, 33800), (36, 33806), (37, 33824), (44, 33860), (71, 33968), (74, 33980), (91, 34145), (92, 34151), (102, 34346), (105, 34367), (107, 34388), (108, 34397), (114, 34454), (116, 34496), (118, 34550), (119, 34595), (127, 34664), (129, 34700), (131, 34727), (133, 34754), (137, 34814), (140, 34847), (141, 34850), (145, 34880), (146, 34898), (154, 35039), (159, 35090), (211, 35300), (212, 35306), (216, 35345), (217, 35387), (219, 35399), (221, 35417), (245, 35591), (247, 35600), (248, 35603), (249, 35606), (251, 35618), (254, 35630), (255, 35633), (260, 35648), (277, 35735), (281, 35750), (295, 35894), (297, 35906), (314, 36086), (318, 36104), (330, 36185), (334, 36221), (338, 36242), (341, 36308),

Gene: LRRHood_84 Start: 35550, Stop: 38174, Start Num: 24
Candidate Starts for LRRHood_84:
(Start: 24 @35550 has 171 MA's), (35, 35619), (36, 35625), (37, 35643), (44, 35679), (71, 35787), (74, 35799), (91, 35964), (92, 35970), (102, 36165), (105, 36186), (107, 36207), (108, 36216), (114, 36273), (116, 36315), (118, 36369), (119, 36414), (127, 36483), (129, 36519), (131, 36546), (133, 36573), (137, 36633), (140, 36666), (141, 36669), (145, 36699), (146, 36717), (154, 36858), (159, 36909), (211, 37119), (212, 37125), (216, 37164), (217, 37206), (219, 37218), (221, 37236), (245, 37410), (247, 37419), (248, 37422), (249, 37425), (251, 37437), (254, 37449), (255, 37452), (260, 37467), (277, 37554), (281, 37569), (295, 37713), (297, 37725), (314, 37905), (318, 37923), (330, 38004), (334, 38040), (338, 38061), (341, 38127),

Gene: Labradorite_92 Start: 35327, Stop: 37951, Start Num: 24
Candidate Starts for Labradorite_92:
(Start: 24 @35327 has 171 MA's), (35, 35396), (36, 35402), (37, 35420), (44, 35456), (71, 35564), (74, 35576), (91, 35741), (92, 35747), (102, 35942), (105, 35963), (107, 35984), (108, 35993), (114, 36050), (116, 36092), (118, 36146), (119, 36191), (127, 36260), (129, 36296), (131, 36323), (133, 36350), (137, 36410), (140, 36443), (141, 36446), (145, 36476), (146, 36494), (154, 36635), (159, 36686), (211, 36896), (212, 36902), (213, 36908), (216, 36941), (217, 36983), (219, 36995), (221, 37013), (245, 37187), (247, 37196), (248, 37199), (249, 37202), (251, 37214), (254, 37226), (255, 37229), (260, 37244), (277, 37331), (281, 37346), (295, 37490), (297, 37502), (314, 37682), (318, 37700), (330, 37781), (334, 37817), (338, 37838), (341, 37904),

Gene: Latch_90 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Latch_90:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133,

36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Lee7_93 Start: 35853, Stop: 38477, Start Num: 24
Candidate Starts for Lee7_93:
(Start: 24 @35853 has 171 MA's), (35, 35922), (36, 35928), (37, 35946), (44, 35982), (71, 36090), (74, 36102), (91, 36267), (92, 36273), (102, 36468), (105, 36489), (107, 36510), (108, 36519), (114, 36576), (116, 36618), (118, 36672), (119, 36717), (127, 36786), (129, 36822), (131, 36849), (133, 36876), (137, 36936), (140, 36969), (141, 36972), (145, 37002), (146, 37020), (154, 37161), (159, 37212), (211, 37422), (212, 37428), (216, 37467), (217, 37509), (219, 37521), (221, 37539), (245, 37713), (247, 37722), (248, 37725), (249, 37728), (251, 37740), (254, 37752), (255, 37755), (260, 37770), (277, 37857), (281, 37872), (295, 38016), (297, 38028), (314, 38208), (318, 38226), (330, 38307), (334, 38343), (338, 38364), (341, 38430),

Gene: Lethe_89 Start: 36438, Stop: 39062, Start Num: 24
Candidate Starts for Lethe_89:
(Start: 24 @36438 has 171 MA's), (35, 36507), (36, 36513), (37, 36531), (44, 36567), (71, 36675), (74, 36687), (91, 36852), (92, 36858), (102, 37053), (105, 37074), (107, 37095), (108, 37104), (114, 37161), (116, 37203), (118, 37257), (119, 37302), (127, 37371), (129, 37407), (131, 37434), (133, 37461), (137, 37521), (140, 37554), (141, 37557), (145, 37587), (146, 37605), (154, 37746), (159, 37797), (211, 38007), (212, 38013), (216, 38052), (217, 38094), (219, 38106), (221, 38124), (245, 38298), (247, 38307), (248, 38310), (249, 38313), (251, 38325), (254, 38337), (255, 38340), (260, 38355), (277, 38442), (281, 38457), (295, 38601), (297, 38613), (314, 38793), (318, 38811), (330, 38892), (334, 38928), (338, 38949), (341, 39015),

Gene: LifeSavor_89 Start: 34965, Stop: 38393, Start Num: 1
Candidate Starts for LifeSavor_89:
(Start: 1 @34965 has 20 MA's), (Start: 2 @35034 has 2 MA's), (3, 35040), (4, 35058), (6, 35094), (10, 35202), (11, 35214), (13, 35337), (14, 35388), (15, 35442), (16, 35454), (17, 35475), (25, 35769), (32, 35814), (46, 35892), (55, 35928), (63, 35961), (67, 35976), (76, 36021), (78, 36030), (82, 36063), (85, 36099), (91, 36183), (92, 36189), (102, 36384), (105, 36405), (107, 36426), (108, 36435), (114, 36492), (116, 36534), (118, 36588), (119, 36633), (127, 36702), (129, 36738), (131, 36765), (133, 36792), (137, 36852), (140, 36885), (141, 36888), (145, 36918), (146, 36936), (154, 37077), (159, 37128), (211, 37338), (212, 37344), (216, 37383), (217, 37425), (219, 37437), (221, 37455), (245, 37629), (247, 37638), (248, 37641), (249, 37644), (251, 37656), (254, 37668), (255, 37671), (260, 37686), (277, 37773), (281, 37788), (295, 37932), (297, 37944), (314, 38124), (318, 38142), (330, 38223), (334, 38259), (338, 38280), (341, 38346),

Gene: LinStu_90 Start: 36614, Stop: 39238, Start Num: 24
Candidate Starts for LinStu_90:
(Start: 24 @36614 has 171 MA's), (35, 36683), (36, 36689), (37, 36707), (44, 36743), (71, 36851), (74, 36863), (91, 37028), (92, 37034), (102, 37229), (105, 37250), (107, 37271), (108, 37280), (114, 37337), (116, 37379), (118, 37433), (119, 37478), (127, 37547), (129, 37583), (131, 37610), (133, 37637), (137, 37697), (140, 37730), (141, 37733), (145, 37763), (146, 37781), (154, 37922), (159, 37973), (211, 38183), (212, 38189), (216, 38228), (217, 38270), (219, 38282), (221, 38300), (245, 38474), (247, 38483), (248, 38486), (249, 38489), (251, 38501), (254, 38513), (255, 38516), (260, 38531), (277, 38618), (281, 38633), (295, 38777), (297, 38789), (314, 38969), (318, 38987), (330, 39068), (334, 39104), (338, 39125), (341, 39191),

Gene: Littleton_90 Start: 35203, Stop: 37827, Start Num: 24

Candidate Starts for Littleton_90:
(Start: 24 @35203 has 171 MA's), (35, 35272), (36, 35278), (37, 35296), (44, 35332), (71, 35440), (74, 35452), (91, 35617), (92, 35623), (102, 35818), (105, 35839), (107, 35860), (108, 35869), (114, 35926), (116, 35968), (118, 36022), (119, 36067), (127, 36136), (129, 36172), (131, 36199), (133, 36226), (137, 36286), (138, 36298), (140, 36319), (141, 36322), (145, 36352), (146, 36370), (154, 36511), (159, 36562), (211, 36772), (212, 36778), (216, 36817), (217, 36859), (219, 36871), (221, 36889), (245, 37063), (247, 37072), (248, 37075), (249, 37078), (251, 37090), (254, 37102), (255, 37105), (260, 37120), (277, 37207), (281, 37222), (295, 37366), (297, 37378), (314, 37558), (318, 37576), (330, 37657), (334, 37693), (338, 37714), (341, 37780),

Gene: Loanshark_90 Start: 36243, Stop: 38867, Start Num: 24
Candidate Starts for Loanshark_90:
(Start: 24 @36243 has 171 MA's), (35, 36312), (36, 36318), (37, 36336), (44, 36372), (71, 36480), (74, 36492), (91, 36657), (92, 36663), (102, 36858), (105, 36879), (107, 36900), (108, 36909), (114, 36966), (116, 37008), (118, 37062), (119, 37107), (127, 37176), (129, 37212), (131, 37239), (133, 37266), (137, 37326), (140, 37359), (141, 37362), (145, 37392), (146, 37410), (154, 37551), (159, 37602), (211, 37812), (212, 37818), (216, 37857), (217, 37899), (219, 37911), (221, 37929), (245, 38103), (247, 38112), (248, 38115), (249, 38118), (251, 38130), (254, 38142), (255, 38145), (260, 38160), (277, 38247), (281, 38262), (295, 38406), (297, 38418), (314, 38598), (318, 38616), (330, 38697), (334, 38733), (338, 38754), (341, 38820),

Gene: LolaVinca_92 Start: 37349, Stop: 39973, Start Num: 24
Candidate Starts for LolaVinca_92:
(Start: 24 @37349 has 171 MA's), (35, 37418), (36, 37424), (37, 37442), (44, 37478), (71, 37586), (74, 37598), (91, 37763), (92, 37769), (102, 37964), (105, 37985), (107, 38006), (108, 38015), (114, 38072), (116, 38114), (118, 38168), (119, 38213), (127, 38282), (129, 38318), (131, 38345), (133, 38372), (137, 38432), (138, 38444), (140, 38465), (141, 38468), (145, 38498), (146, 38516), (154, 38657), (159, 38708), (211, 38918), (212, 38924), (216, 38963), (217, 39005), (219, 39017), (221, 39035), (245, 39209), (247, 39218), (248, 39221), (249, 39224), (251, 39236), (254, 39248), (255, 39251), (260, 39266), (277, 39353), (281, 39368), (295, 39512), (297, 39524), (314, 39704), (318, 39722), (330, 39803), (334, 39839), (338, 39860), (341, 39926),

Gene: LookingGlass_91 Start: 36352, Stop: 38976, Start Num: 24
Candidate Starts for LookingGlass_91:
(Start: 24 @36352 has 171 MA's), (35, 36421), (36, 36427), (37, 36445), (44, 36481), (71, 36589), (74, 36601), (91, 36766), (92, 36772), (102, 36967), (105, 36988), (107, 37009), (108, 37018), (114, 37075), (116, 37117), (118, 37171), (119, 37216), (127, 37285), (129, 37321), (131, 37348), (133, 37375), (137, 37435), (140, 37468), (141, 37471), (145, 37501), (146, 37519), (154, 37660), (159, 37711), (211, 37921), (212, 37927), (213, 37933), (216, 37966), (217, 38008), (219, 38020), (221, 38038), (245, 38212), (247, 38221), (248, 38224), (249, 38227), (251, 38239), (254, 38251), (255, 38254), (260, 38269), (277, 38356), (281, 38371), (295, 38515), (297, 38527), (314, 38707), (318, 38725), (330, 38806), (334, 38842), (338, 38863), (341, 38929),

Gene: LordLeafolot_96 Start: 38340, Stop: 40964, Start Num: 24
Candidate Starts for LordLeafolot_96:
(Start: 24 @38340 has 171 MA's), (35, 38409), (36, 38415), (37, 38433), (44, 38469), (71, 38577), (74, 38589), (91, 38754), (92, 38760), (102, 38955), (105, 38976), (107, 38997), (108, 39006), (114, 39063), (116, 39105), (118, 39159), (119, 39204), (127, 39273), (129, 39309), (131, 39336), (133, 39363), (137, 39423), (140, 39456), (141, 39459), (145, 39489), (146, 39507), (154, 39648), (159, 39699), (211, 39909), (212, 39915), (213, 39921), (216, 39954), (217, 39996), (219, 40008), (221, 40026), (245, 40200), (247, 40209), (248, 40212), (249, 40215), (251, 40227), (254, 40239), (255, 40242), (260, 40257), (277, 40344), (281, 40359), (295, 40503), (297, 40515), (314, 40695), (318, 40713), (330, 40794), (334, 40830), (338, 40851), (341, 40917),

Gene: Lukilu_81 Start: 35083, Stop: 37707, Start Num: 24
Candidate Starts for Lukilu_81:
(Start: 24 @35083 has 171 MA's), (35, 35152), (36, 35158), (37, 35176), (44, 35212), (71, 35320), (74, 35332), (91, 35497), (92, 35503), (102, 35698), (105, 35719), (107, 35740), (108, 35749), (114, 35806), (116, 35848), (118, 35902), (119, 35947), (127, 36016), (129, 36052), (131, 36079), (133, 36106), (137, 36166), (140, 36199), (141, 36202), (145, 36232), (146, 36250), (154, 36391), (159, 36442), (211, 36652), (212, 36658), (216, 36697), (217, 36739), (219, 36751), (221, 36769), (245, 36943), (247, 36952), (248, 36955), (249, 36958), (251, 36970), (254, 36982), (255, 36985), (260, 37000), (277, 37087), (281, 37102), (295, 37246), (297, 37258), (314, 37438), (318, 37456), (330, 37537), (334, 37573), (338, 37594), (341, 37660),

Gene: Lunareta_87 Start: 36869, Stop: 39493, Start Num: 24
Candidate Starts for Lunareta_87:
(Start: 24 @36869 has 171 MA's), (35, 36938), (36, 36944), (37, 36962), (44, 36998), (71, 37106), (74, 37118), (91, 37283), (92, 37289), (102, 37484), (105, 37505), (107, 37526), (108, 37535), (114, 37592), (116, 37634), (118, 37688), (119, 37733), (127, 37802), (129, 37838), (131, 37865), (133, 37892), (137, 37952), (140, 37985), (141, 37988), (144, 38009), (146, 38036), (150, 38108), (154, 38177), (159, 38228), (168, 38357), (169, 38360), (211, 38438), (212, 38444), (216, 38483), (217, 38525), (219, 38537), (221, 38555), (245, 38729), (247, 38738), (248, 38741), (249, 38744), (251, 38756), (254, 38768), (255, 38771), (260, 38786), (277, 38873), (281, 38888), (295, 39032), (297, 39044), (314, 39224), (318, 39242), (330, 39323), (334, 39359), (338, 39380), (341, 39446),

Gene: Maby2021_90 Start: 35924, Stop: 38548, Start Num: 24
Candidate Starts for Maby2021_90:
(Start: 24 @35924 has 171 MA's), (35, 35993), (36, 35999), (37, 36017), (44, 36053), (71, 36161), (74, 36173), (91, 36338), (92, 36344), (102, 36539), (105, 36560), (107, 36581), (108, 36590), (114, 36647), (116, 36689), (118, 36743), (119, 36788), (127, 36857), (129, 36893), (131, 36920), (133, 36947), (137, 37007), (140, 37040), (141, 37043), (144, 37064), (146, 37091), (150, 37163), (154, 37232), (159, 37283), (211, 37493), (212, 37499), (216, 37538), (217, 37580), (219, 37592), (221, 37610), (245, 37784), (247, 37793), (248, 37796), (249, 37799), (251, 37811), (254, 37823), (255, 37826), (260, 37841), (277, 37928), (281, 37943), (295, 38087), (297, 38099), (314, 38279), (318, 38297), (330, 38378), (334, 38414), (338, 38435), (341, 38501),

Gene: Maguvora_96 Start: 37700, Stop: 40324, Start Num: 24
Candidate Starts for Maguvora_96:
(Start: 24 @37700 has 171 MA's), (35, 37769), (36, 37775), (37, 37793), (44, 37829), (71, 37937), (74, 37949), (91, 38114), (92, 38120), (102, 38315), (105, 38336), (107, 38357), (108, 38366), (114, 38423), (116, 38465), (118, 38519), (119, 38564), (127, 38633), (129, 38669), (131, 38696), (133, 38723), (137, 38783), (138, 38795), (140, 38816), (141, 38819), (145, 38849), (146, 38867), (154, 39008), (159, 39059), (211, 39269), (212, 39275), (216, 39314), (217, 39356), (219, 39368), (221, 39386), (245, 39560), (247, 39569), (248, 39572), (249, 39575), (251, 39587), (254, 39599), (255, 39602), (260, 39617), (277, 39704), (281, 39719), (295, 39863), (297, 39875), (314, 40055), (318, 40073), (330, 40154), (334, 40190), (338, 40211), (341, 40277),

Gene: Mangeria_90 Start: 36205, Stop: 38829, Start Num: 24
Candidate Starts for Mangeria_90:
(Start: 24 @36205 has 171 MA's), (35, 36274), (36, 36280), (37, 36298), (44, 36334), (71, 36442), (74, 36454), (91, 36619), (92, 36625), (102, 36820), (105, 36841), (107, 36862), (108, 36871), (114, 36928), (116, 36970), (118, 37024), (119, 37069), (127, 37138), (129, 37174), (131, 37201), (133, 37228), (137, 37288), (140, 37321), (141, 37324), (145, 37354), (146, 37372), (154, 37513), (159, 37564), (211, 37774), (212, 37780), (216, 37819), (217, 37861), (219, 37873), (221, 37891), (245, 38065), (248, 38077), (249, 38080), (251, 38092), (254, 38104), (255, 38107), (260, 38122), (277,

38209), (281, 38224), (295, 38368), (297, 38380), (314, 38560), (318, 38578), (330, 38659), (334, 38695), (338, 38716), (341, 38782),

Gene: Matsumoto_89 Start: 35164, Stop: 38592, Start Num: 1
Candidate Starts for Matsumoto_89:
(Start: 1 @35164 has 20 MA's), (Start: 2 @35233 has 2 MA's), (3, 35239), (4, 35257), (6, 35293), (10, 35401), (11, 35413), (13, 35536), (14, 35587), (15, 35641), (16, 35653), (17, 35674), (25, 35968), (32, 36013), (46, 36091), (55, 36127), (63, 36160), (67, 36175), (76, 36220), (78, 36229), (82, 36262), (85, 36298), (91, 36382), (92, 36388), (102, 36583), (105, 36604), (107, 36625), (108, 36634), (114, 36691), (116, 36733), (118, 36787), (119, 36832), (127, 36901), (129, 36937), (131, 36964), (133, 36991), (137, 37051), (140, 37084), (141, 37087), (145, 37117), (146, 37135), (154, 37276), (159, 37327), (211, 37537), (212, 37543), (216, 37582), (217, 37624), (219, 37636), (221, 37654), (245, 37828), (247, 37837), (248, 37840), (249, 37843), (251, 37855), (254, 37867), (255, 37870), (260, 37885), (277, 37972), (281, 37987), (295, 38131), (297, 38143), (314, 38323), (318, 38341), (330, 38422), (334, 38458), (338, 38479), (341, 38545),

Gene: Maturis_88 Start: 36365, Stop: 38989, Start Num: 24
Candidate Starts for Maturis_88:
(Start: 24 @36365 has 171 MA's), (35, 36434), (36, 36440), (37, 36458), (44, 36494), (71, 36602), (74, 36614), (91, 36779), (92, 36785), (102, 36980), (105, 37001), (107, 37022), (108, 37031), (114, 37088), (116, 37130), (118, 37184), (119, 37229), (127, 37298), (129, 37334), (131, 37361), (133, 37388), (137, 37448), (140, 37481), (141, 37484), (145, 37514), (146, 37532), (154, 37673), (159, 37724), (211, 37934), (212, 37940), (216, 37979), (217, 38021), (219, 38033), (221, 38051), (245, 38225), (247, 38234), (248, 38237), (249, 38240), (251, 38252), (254, 38264), (255, 38267), (260, 38282), (277, 38369), (281, 38384), (295, 38528), (297, 38540), (314, 38720), (318, 38738), (330, 38819), (334, 38855), (338, 38876), (341, 38942),

Gene: McGee_91 Start: 34432, Stop: 37056, Start Num: 24
Candidate Starts for McGee_91:
(Start: 24 @34432 has 171 MA's), (35, 34501), (36, 34507), (37, 34525), (44, 34561), (71, 34669), (74, 34681), (91, 34846), (92, 34852), (102, 35047), (105, 35068), (107, 35089), (108, 35098), (114, 35155), (116, 35197), (118, 35251), (119, 35296), (127, 35365), (129, 35401), (131, 35428), (133, 35455), (137, 35515), (140, 35548), (141, 35551), (145, 35581), (146, 35599), (154, 35740), (159, 35791), (211, 36001), (212, 36007), (216, 36046), (217, 36088), (219, 36100), (221, 36118), (245, 36292), (247, 36301), (248, 36304), (249, 36307), (251, 36319), (254, 36331), (255, 36334), (260, 36349), (277, 36436), (281, 36451), (295, 36595), (297, 36607), (314, 36787), (318, 36805), (330, 36886), (334, 36922), (338, 36943), (341, 37009),

Gene: McWolfish_88 Start: 35671, Stop: 38274, Start Num: 24
Candidate Starts for McWolfish_88:
(Start: 24 @35671 has 171 MA's), (35, 35740), (36, 35746), (37, 35764), (44, 35800), (71, 35908), (74, 35920), (91, 36085), (92, 36091), (102, 36286), (105, 36307), (107, 36328), (108, 36337), (114, 36394), (116, 36436), (118, 36490), (119, 36535), (127, 36604), (129, 36640), (131, 36667), (133, 36694), (137, 36754), (140, 36787), (141, 36790), (144, 36811), (146, 36838), (150, 36910), (154, 36979), (159, 37030), (211, 37240), (212, 37246), (216, 37285), (217, 37327), (219, 37339), (221, 37357), (245, 37531), (247, 37540), (248, 37543), (249, 37546), (251, 37558), (254, 37570), (255, 37573), (260, 37588), (277, 37654), (281, 37669), (295, 37813), (297, 37825), (314, 38005), (318, 38023), (330, 38104), (334, 38140), (338, 38161), (341, 38227),

Gene: Megamind_89 Start: 35909, Stop: 38533, Start Num: 24
Candidate Starts for Megamind_89:
(Start: 24 @35909 has 171 MA's), (35, 35978), (36, 35984), (37, 36002), (44, 36038), (71, 36146), (74, 36158), (91, 36323), (92, 36329), (102, 36524), (105, 36545), (107, 36566), (108, 36575), (114,

36632), (116, 36674), (118, 36728), (119, 36773), (127, 36842), (129, 36878), (131, 36905), (133, 36932), (137, 36992), (140, 37025), (141, 37028), (145, 37058), (146, 37076), (154, 37217), (159, 37268), (211, 37478), (212, 37484), (216, 37523), (217, 37565), (219, 37577), (221, 37595), (245, 37769), (247, 37778), (248, 37781), (249, 37784), (251, 37796), (254, 37808), (255, 37811), (260, 37826), (277, 37913), (281, 37928), (295, 38072), (297, 38084), (314, 38264), (318, 38282), (330, 38363), (334, 38399), (338, 38420), (341, 38486),

Gene: Melpomini_84 Start: 33455, Stop: 36058, Start Num: 24
Candidate Starts for Melpomini_84:
(Start: 24 @33455 has 171 MA's), (35, 33524), (36, 33530), (37, 33548), (44, 33584), (71, 33692), (74, 33704), (91, 33869), (92, 33875), (102, 34070), (105, 34091), (107, 34112), (108, 34121), (114, 34178), (116, 34220), (118, 34274), (119, 34319), (127, 34388), (129, 34424), (131, 34451), (133, 34478), (137, 34538), (140, 34571), (141, 34574), (144, 34595), (146, 34622), (150, 34694), (154, 34763), (159, 34814), (211, 35024), (212, 35030), (213, 35036), (216, 35069), (217, 35111), (219, 35123), (221, 35141), (245, 35315), (247, 35324), (248, 35327), (249, 35330), (251, 35342), (254, 35354), (255, 35357), (260, 35372), (277, 35438), (281, 35453), (295, 35597), (297, 35609), (314, 35789), (318, 35807), (330, 35888), (334, 35924), (338, 35945), (341, 36011),

Gene: MikeLiesIn_91 Start: 36256, Stop: 38880, Start Num: 24
Candidate Starts for MikeLiesIn_91:
(Start: 24 @36256 has 171 MA's), (35, 36325), (36, 36331), (37, 36349), (44, 36385), (71, 36493), (74, 36505), (91, 36670), (92, 36676), (102, 36871), (105, 36892), (107, 36913), (108, 36922), (114, 36979), (116, 37021), (118, 37075), (119, 37120), (127, 37189), (129, 37225), (131, 37252), (133, 37279), (137, 37339), (140, 37372), (141, 37375), (145, 37405), (146, 37423), (154, 37564), (159, 37615), (211, 37825), (212, 37831), (216, 37870), (217, 37912), (219, 37924), (221, 37942), (245, 38116), (247, 38125), (248, 38128), (249, 38131), (251, 38143), (254, 38155), (255, 38158), (260, 38173), (277, 38260), (281, 38275), (295, 38419), (297, 38431), (314, 38611), (318, 38629), (330, 38710), (334, 38746), (338, 38767), (341, 38833),

Gene: Mikro_88 Start: 37167, Stop: 39791, Start Num: 24
Candidate Starts for Mikro_88:
(Start: 24 @37167 has 171 MA's), (35, 37236), (36, 37242), (37, 37260), (44, 37296), (71, 37404), (74, 37416), (91, 37581), (92, 37587), (102, 37782), (105, 37803), (107, 37824), (108, 37833), (114, 37890), (116, 37932), (118, 37986), (119, 38031), (127, 38100), (129, 38136), (131, 38163), (133, 38190), (137, 38250), (140, 38283), (141, 38286), (145, 38316), (146, 38334), (154, 38475), (159, 38526), (211, 38736), (212, 38742), (213, 38748), (216, 38781), (217, 38823), (219, 38835), (221, 38853), (245, 39027), (247, 39036), (248, 39039), (249, 39042), (251, 39054), (254, 39066), (255, 39069), (260, 39084), (277, 39171), (281, 39186), (295, 39330), (297, 39342), (314, 39522), (318, 39540), (330, 39621), (334, 39657), (338, 39678), (341, 39744),

Gene: MoMoMixon_91 Start: 36002, Stop: 38605, Start Num: 24
Candidate Starts for MoMoMixon_91:
(Start: 24 @36002 has 171 MA's), (35, 36071), (36, 36077), (37, 36095), (44, 36131), (71, 36239), (74, 36251), (91, 36416), (92, 36422), (102, 36617), (105, 36638), (107, 36659), (108, 36668), (114, 36725), (116, 36767), (118, 36821), (119, 36866), (127, 36935), (129, 36971), (131, 36998), (133, 37025), (137, 37085), (140, 37118), (141, 37121), (145, 37151), (146, 37169), (154, 37310), (159, 37361), (211, 37571), (212, 37577), (216, 37616), (217, 37658), (219, 37670), (221, 37688), (245, 37862), (247, 37871), (248, 37874), (249, 37877), (251, 37889), (254, 37901), (255, 37904), (260, 37919), (277, 37985), (281, 38000), (295, 38144), (297, 38156), (314, 38336), (318, 38354), (330, 38435), (334, 38471), (338, 38492), (341, 38558),

Gene: Moby_81 Start: 31530, Stop: 34133, Start Num: 24
Candidate Starts for Moby_81:

(Start: 24 @31530 has 171 MA's), (35, 31599), (36, 31605), (37, 31623), (44, 31659), (71, 31767), (74, 31779), (91, 31944), (92, 31950), (102, 32145), (105, 32166), (107, 32187), (108, 32196), (114, 32253), (116, 32295), (118, 32349), (119, 32394), (127, 32463), (129, 32499), (131, 32526), (133, 32553), (137, 32613), (140, 32646), (141, 32649), (144, 32670), (146, 32697), (150, 32769), (154, 32838), (159, 32889), (211, 33099), (212, 33105), (213, 33111), (216, 33144), (217, 33186), (219, 33198), (221, 33216), (245, 33390), (247, 33399), (248, 33402), (249, 33405), (251, 33417), (254, 33429), (255, 33432), (260, 33447), (277, 33513), (281, 33528), (295, 33672), (297, 33684), (314, 33864), (318, 33882), (330, 33963), (334, 33999), (338, 34020), (341, 34086),

Gene: Moiqah_81 Start: 31530, Stop: 34133, Start Num: 24
Candidate Starts for Moiqah_81:
(Start: 24 @31530 has 171 MA's), (35, 31599), (36, 31605), (37, 31623), (44, 31659), (71, 31767), (74, 31779), (91, 31944), (92, 31950), (102, 32145), (105, 32166), (107, 32187), (108, 32196), (114, 32253), (116, 32295), (118, 32349), (119, 32394), (127, 32463), (129, 32499), (131, 32526), (133, 32553), (137, 32613), (140, 32646), (141, 32649), (144, 32670), (146, 32697), (150, 32769), (154, 32838), (159, 32889), (211, 33099), (212, 33105), (213, 33111), (216, 33144), (217, 33186), (219, 33198), (221, 33216), (245, 33390), (247, 33399), (248, 33402), (249, 33405), (251, 33417), (254, 33429), (255, 33432), (260, 33447), (277, 33513), (281, 33528), (295, 33672), (297, 33684), (314, 33864), (318, 33882), (330, 33963), (334, 33999), (338, 34020), (341, 34086),

Gene: Momo_89 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Momo_89:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Montpel_87 Start: 36869, Stop: 39493, Start Num: 24
Candidate Starts for Montpel_87:
(Start: 24 @36869 has 171 MA's), (35, 36938), (36, 36944), (37, 36962), (44, 36998), (71, 37106), (74, 37118), (91, 37283), (92, 37289), (102, 37484), (105, 37505), (107, 37526), (108, 37535), (114, 37592), (116, 37634), (118, 37688), (119, 37733), (127, 37802), (129, 37838), (131, 37865), (133, 37892), (137, 37952), (140, 37985), (141, 37988), (144, 38009), (146, 38036), (150, 38108), (154, 38177), (159, 38228), (168, 38357), (169, 38360), (211, 38438), (212, 38444), (216, 38483), (217, 38525), (219, 38537), (221, 38555), (245, 38729), (247, 38738), (248, 38741), (249, 38744), (251, 38756), (254, 38768), (255, 38771), (260, 38786), (277, 38873), (281, 38888), (295, 39032), (297, 39044), (314, 39224), (318, 39242), (330, 39323), (334, 39359), (338, 39380), (341, 39446),

Gene: Morizzled23_90 Start: 34975, Stop: 37578, Start Num: 24
Candidate Starts for Morizzled23_90:
(Start: 24 @34975 has 171 MA's), (35, 35044), (36, 35050), (37, 35068), (44, 35104), (71, 35212), (74, 35224), (91, 35389), (92, 35395), (102, 35590), (105, 35611), (107, 35632), (108, 35641), (114, 35698), (116, 35740), (118, 35794), (119, 35839), (127, 35908), (129, 35944), (131, 35971), (133, 35998), (137, 36058), (140, 36091), (141, 36094), (144, 36115), (146, 36142), (150, 36214), (154, 36283), (159, 36334), (211, 36544), (212, 36550), (213, 36556), (216, 36589), (217, 36631), (219, 36643), (221, 36661), (245, 36835), (247, 36844), (248, 36847), (249, 36850), (251, 36862), (254, 36874), (255, 36877), (260, 36892), (277, 36958), (281, 36973), (295, 37117), (297, 37129), (314, 37309), (318, 37327), (330, 37408), (334, 37444), (338, 37465), (341, 37531),

Gene: Myrna_89 Start: 37944, Stop: 40463, Start Num: 31
Candidate Starts for Myrna_89:
(Start: 31 @37944 has 3 MA's), (34, 37947), (45, 38004), (52, 38040), (54, 38049), (59, 38070), (63, 38088), (66, 38097), (71, 38118), (74, 38130), (75, 38139), (89, 38256), (92, 38301), (94, 38349), (102, 38496), (105, 38517), (107, 38538), (108, 38547), (109, 38559), (110, 38562), (112, 38586), (119, 38745), (127, 38814), (129, 38850), (141, 39000), (145, 39030), (146, 39048), (153, 39186), (154, 39189), (155, 39192), (161, 39288), (162, 39294), (167, 39357), (170, 39381), (211, 39450), (212, 39456), (213, 39462), (215, 39477), (216, 39495), (219, 39549), (221, 39567), (241, 39729), (245, 39741), (248, 39753), (254, 39780), (260, 39798), (261, 39804), (272, 39864), (275, 39894), (292, 40056), (297, 40080), (316, 40218), (318, 40233), (323, 40260), (328, 40284), (343, 40437),

Gene: Naija_89 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Naija_89:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Napoleon13_86 Start: 34051, Stop: 36675, Start Num: 24
Candidate Starts for Napoleon13_86:
(Start: 24 @34051 has 171 MA's), (35, 34120), (36, 34126), (37, 34144), (44, 34180), (71, 34288), (74, 34300), (91, 34465), (92, 34471), (102, 34666), (105, 34687), (107, 34708), (108, 34717), (114, 34774), (116, 34816), (118, 34870), (119, 34915), (127, 34984), (129, 35020), (131, 35047), (133, 35074), (137, 35134), (140, 35167), (141, 35170), (144, 35191), (146, 35218), (150, 35290), (154, 35359), (159, 35410), (211, 35620), (212, 35626), (216, 35665), (217, 35707), (219, 35719), (221, 35737), (245, 35911), (247, 35920), (248, 35923), (249, 35926), (251, 35938), (254, 35950), (255, 35953), (260, 35968), (277, 36055), (281, 36070), (295, 36214), (297, 36226), (314, 36406), (318, 36424), (330, 36505), (334, 36541), (338, 36562), (341, 36628),

Gene: Nappy_92 Start: 36807, Stop: 39431, Start Num: 24
Candidate Starts for Nappy_92:
(Start: 24 @36807 has 171 MA's), (35, 36876), (36, 36882), (37, 36900), (44, 36936), (71, 37044), (74, 37056), (91, 37221), (92, 37227), (102, 37422), (105, 37443), (107, 37464), (108, 37473), (114, 37530), (116, 37572), (118, 37626), (119, 37671), (127, 37740), (129, 37776), (131, 37803), (133, 37830), (137, 37890), (140, 37923), (141, 37926), (145, 37956), (146, 37974), (154, 38115), (159, 38166), (211, 38376), (212, 38382), (213, 38388), (216, 38421), (217, 38463), (219, 38475), (221, 38493), (245, 38667), (247, 38676), (248, 38679), (249, 38682), (251, 38694), (254, 38706), (255, 38709), (260, 38724), (277, 38811), (281, 38826), (295, 38970), (297, 38982), (314, 39162), (318, 39180), (330, 39261), (334, 39297), (338, 39318), (341, 39384),

Gene: Naval22_98 Start: 37847, Stop: 40471, Start Num: 24
Candidate Starts for Naval22_98:
(Start: 24 @37847 has 171 MA's), (35, 37916), (36, 37922), (37, 37940), (44, 37976), (71, 38084), (74, 38096), (91, 38261), (92, 38267), (102, 38462), (105, 38483), (107, 38504), (108, 38513), (114, 38570), (116, 38612), (118, 38666), (119, 38711), (127, 38780), (129, 38816), (131, 38843), (133, 38870), (137, 38930), (140, 38963), (141, 38966), (145, 38996), (146, 39014), (154, 39155), (159, 39206), (211, 39416), (212, 39422), (216, 39461), (217, 39503), (219, 39515), (221, 39533), (245, 39707), (247, 39716), (248, 39719), (249, 39722), (251, 39734), (254, 39746), (255, 39749), (260, 39764), (277, 39851), (281, 39866), (295, 40010), (297, 40022), (314, 40202), (318, 40220), (330,

40301), (334, 40337), (338, 40358), (341, 40424),

Gene: NedWong_91 Start: 36243, Stop: 38867, Start Num: 24
Candidate Starts for NedWong_91:
(Start: 24 @36243 has 171 MA's), (35, 36312), (36, 36318), (37, 36336), (44, 36372), (71, 36480), (74, 36492), (91, 36657), (92, 36663), (102, 36858), (105, 36879), (107, 36900), (108, 36909), (114, 36966), (116, 37008), (118, 37062), (119, 37107), (127, 37176), (129, 37212), (131, 37239), (133, 37266), (137, 37326), (140, 37359), (141, 37362), (145, 37392), (146, 37410), (154, 37551), (159, 37602), (211, 37812), (212, 37818), (216, 37857), (217, 37899), (219, 37911), (221, 37929), (245, 38103), (247, 38112), (248, 38115), (249, 38118), (251, 38130), (254, 38142), (255, 38145), (260, 38160), (277, 38247), (281, 38262), (295, 38406), (297, 38418), (314, 38598), (318, 38616), (330, 38697), (334, 38733), (338, 38754), (341, 38820),

Gene: Ngannou_86 Start: 34230, Stop: 36854, Start Num: 24
Candidate Starts for Ngannou_86:
(Start: 24 @34230 has 171 MA's), (35, 34299), (36, 34305), (37, 34323), (44, 34359), (71, 34467), (74, 34479), (91, 34644), (92, 34650), (102, 34845), (105, 34866), (107, 34887), (108, 34896), (114, 34953), (116, 34995), (118, 35049), (119, 35094), (127, 35163), (129, 35199), (131, 35226), (133, 35253), (137, 35313), (140, 35346), (141, 35349), (145, 35379), (146, 35397), (154, 35538), (159, 35589), (211, 35799), (212, 35805), (216, 35844), (217, 35886), (219, 35898), (221, 35916), (245, 36090), (247, 36099), (248, 36102), (249, 36105), (251, 36117), (254, 36129), (255, 36132), (260, 36147), (277, 36234), (281, 36249), (295, 36393), (297, 36405), (314, 36585), (318, 36603), (330, 36684), (334, 36720), (338, 36741), (341, 36807),

Gene: Nidhogg_91 Start: 36097, Stop: 38721, Start Num: 24
Candidate Starts for Nidhogg_91:
(Start: 24 @36097 has 171 MA's), (35, 36166), (36, 36172), (37, 36190), (44, 36226), (71, 36334), (74, 36346), (91, 36511), (92, 36517), (102, 36712), (105, 36733), (107, 36754), (108, 36763), (114, 36820), (116, 36862), (118, 36916), (119, 36961), (127, 37030), (129, 37066), (131, 37093), (133, 37120), (137, 37180), (140, 37213), (141, 37216), (144, 37237), (146, 37264), (150, 37336), (154, 37405), (159, 37456), (211, 37666), (212, 37672), (216, 37711), (217, 37753), (219, 37765), (221, 37783), (245, 37957), (247, 37966), (248, 37969), (249, 37972), (251, 37984), (254, 37996), (255, 37999), (260, 38014), (277, 38101), (281, 38116), (295, 38260), (297, 38272), (314, 38452), (318, 38470), (330, 38551), (334, 38587), (338, 38608), (341, 38674),

Gene: NoodleTree_98 Start: 37274, Stop: 39898, Start Num: 24
Candidate Starts for NoodleTree_98:
(Start: 24 @37274 has 171 MA's), (35, 37343), (36, 37349), (37, 37367), (44, 37403), (71, 37511), (74, 37523), (91, 37688), (92, 37694), (102, 37889), (105, 37910), (107, 37931), (108, 37940), (114, 37997), (116, 38039), (118, 38093), (119, 38138), (127, 38207), (129, 38243), (131, 38270), (133, 38297), (137, 38357), (140, 38390), (141, 38393), (145, 38423), (146, 38441), (154, 38582), (159, 38633), (211, 38843), (212, 38849), (213, 38855), (216, 38888), (217, 38930), (219, 38942), (221, 38960), (245, 39134), (247, 39143), (248, 39146), (249, 39149), (251, 39161), (254, 39173), (255, 39176), (260, 39191), (277, 39278), (281, 39293), (295, 39437), (297, 39449), (314, 39629), (318, 39647), (330, 39728), (334, 39764), (338, 39785), (341, 39851),

Gene: Norm_91 Start: 36245, Stop: 38869, Start Num: 24
Candidate Starts for Norm_91:
(Start: 24 @36245 has 171 MA's), (35, 36314), (36, 36320), (37, 36338), (44, 36374), (71, 36482), (74, 36494), (91, 36659), (92, 36665), (102, 36860), (105, 36881), (107, 36902), (108, 36911), (114, 36968), (116, 37010), (118, 37064), (119, 37109), (127, 37178), (129, 37214), (131, 37241), (133, 37268), (137, 37328), (140, 37361), (141, 37364), (145, 37394), (146, 37412), (154, 37553), (159, 37604), (211, 37814), (212, 37820), (216, 37859), (217, 37901), (219, 37913), (221, 37931), (245,

38105), (247, 38114), (248, 38117), (249, 38120), (251, 38132), (254, 38144), (255, 38147), (260, 38162), (277, 38249), (281, 38264), (295, 38408), (297, 38420), (314, 38600), (318, 38618), (330, 38699), (334, 38735), (338, 38756), (341, 38822),

Gene: NuevoMundo_96 Start: 38204, Stop: 40828, Start Num: 24
Candidate Starts for NuevoMundo_96:
(Start: 24 @38204 has 171 MA's), (35, 38273), (36, 38279), (37, 38297), (44, 38333), (71, 38441), (74, 38453), (91, 38618), (92, 38624), (102, 38819), (105, 38840), (107, 38861), (108, 38870), (114, 38927), (116, 38969), (118, 39023), (119, 39068), (127, 39137), (129, 39173), (131, 39200), (133, 39227), (137, 39287), (140, 39320), (141, 39323), (145, 39353), (146, 39371), (154, 39512), (159, 39563), (211, 39773), (212, 39779), (213, 39785), (216, 39818), (217, 39860), (219, 39872), (221, 39890), (245, 40064), (247, 40073), (248, 40076), (249, 40079), (251, 40091), (254, 40103), (255, 40106), (260, 40121), (277, 40208), (281, 40223), (295, 40367), (297, 40379), (314, 40559), (318, 40577), (330, 40658), (334, 40694), (338, 40715), (341, 40781),

Gene: OrediggerDelux_93 Start: 36242, Stop: 38866, Start Num: 24
Candidate Starts for OrediggerDelux_93:
(Start: 24 @36242 has 171 MA's), (35, 36311), (36, 36317), (37, 36335), (44, 36371), (71, 36479), (74, 36491), (91, 36656), (92, 36662), (102, 36857), (105, 36878), (107, 36899), (108, 36908), (114, 36965), (116, 37007), (118, 37061), (119, 37106), (127, 37175), (129, 37211), (131, 37238), (133, 37265), (137, 37325), (140, 37358), (141, 37361), (145, 37391), (146, 37409), (154, 37550), (159, 37601), (211, 37811), (212, 37817), (216, 37856), (217, 37898), (219, 37910), (221, 37928), (245, 38102), (247, 38111), (248, 38114), (249, 38117), (251, 38129), (254, 38141), (255, 38144), (260, 38159), (277, 38246), (281, 38261), (295, 38405), (297, 38417), (314, 38597), (318, 38615), (330, 38696), (334, 38732), (338, 38753), (341, 38819),

Gene: ParkTD_91 Start: 36239, Stop: 38863, Start Num: 24
Candidate Starts for ParkTD_91:
(Start: 24 @36239 has 171 MA's), (35, 36308), (36, 36314), (37, 36332), (44, 36368), (71, 36476), (74, 36488), (91, 36653), (92, 36659), (102, 36854), (105, 36875), (107, 36896), (108, 36905), (114, 36962), (116, 37004), (118, 37058), (119, 37103), (127, 37172), (129, 37208), (131, 37235), (133, 37262), (137, 37322), (140, 37355), (141, 37358), (145, 37388), (146, 37406), (154, 37547), (159, 37598), (211, 37808), (212, 37814), (216, 37853), (217, 37895), (219, 37907), (221, 37925), (245, 38099), (247, 38108), (248, 38111), (249, 38114), (251, 38126), (254, 38138), (255, 38141), (260, 38156), (277, 38243), (281, 38258), (295, 38402), (297, 38414), (314, 38594), (318, 38612), (330, 38693), (334, 38729), (338, 38750), (341, 38816),

Gene: Patter_90 Start: 35265, Stop: 37889, Start Num: 24
Candidate Starts for Patter_90:
(Start: 24 @35265 has 171 MA's), (35, 35334), (36, 35340), (37, 35358), (44, 35394), (71, 35502), (74, 35514), (91, 35679), (92, 35685), (102, 35880), (105, 35901), (107, 35922), (108, 35931), (114, 35988), (116, 36030), (118, 36084), (119, 36129), (127, 36198), (129, 36234), (131, 36261), (133, 36288), (137, 36348), (140, 36381), (141, 36384), (145, 36414), (146, 36432), (154, 36573), (159, 36624), (211, 36834), (212, 36840), (216, 36879), (217, 36921), (219, 36933), (221, 36951), (245, 37125), (247, 37134), (248, 37137), (249, 37140), (251, 37152), (254, 37164), (255, 37167), (260, 37182), (277, 37269), (281, 37284), (295, 37428), (297, 37440), (314, 37620), (318, 37638), (330, 37719), (334, 37755), (338, 37776), (341, 37842),

Gene: Phabba_94 Start: 37026, Stop: 39536, Start Num: 31
Candidate Starts for Phabba_94:
(Start: 31 @37026 has 3 MA's), (34, 37032), (40, 37071), (45, 37089), (54, 37134), (59, 37155), (63, 37173), (66, 37182), (71, 37203), (74, 37215), (75, 37224), (89, 37341), (92, 37386), (94, 37434), (102, 37581), (105, 37602), (107, 37623), (108, 37632), (109, 37644), (110, 37647), (112, 37671), (127,

37899), (129, 37935), (141, 38085), (145, 38115), (146, 38133), (153, 38271), (154, 38274), (155, 38277), (161, 38373), (162, 38379), (167, 38442), (169, 38457), (211, 38535), (212, 38541), (213, 38547), (215, 38562), (216, 38580), (219, 38634), (221, 38652), (234, 38781), (241, 38814), (245, 38826), (248, 38838), (254, 38865), (260, 38883), (316, 39291), (323, 39333), (339, 39477), (343, 39510),

Gene: PharkleMinkus_94 Start: 37692, Stop: 40316, Start Num: 24
Candidate Starts for PharkleMinkus_94:
(Start: 24 @37692 has 171 MA's), (35, 37761), (36, 37767), (37, 37785), (44, 37821), (71, 37929), (74, 37941), (91, 38106), (92, 38112), (102, 38307), (105, 38328), (107, 38349), (108, 38358), (114, 38415), (116, 38457), (118, 38511), (119, 38556), (127, 38625), (129, 38661), (131, 38688), (133, 38715), (137, 38775), (140, 38808), (141, 38811), (145, 38841), (146, 38859), (154, 39000), (159, 39051), (211, 39261), (212, 39267), (213, 39273), (216, 39306), (217, 39348), (219, 39360), (221, 39378), (245, 39552), (247, 39561), (248, 39564), (249, 39567), (251, 39579), (254, 39591), (255, 39594), (260, 39609), (277, 39696), (281, 39711), (295, 39855), (297, 39867), (314, 40047), (318, 40065), (330, 40146), (334, 40182), (338, 40203), (341, 40269),

Gene: Phlegm_92 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Phlegm_92:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Phox_87 Start: 36133, Stop: 38736, Start Num: 24
Candidate Starts for Phox_87:
(Start: 24 @36133 has 171 MA's), (35, 36202), (36, 36208), (37, 36226), (44, 36262), (71, 36370), (74, 36382), (91, 36547), (92, 36553), (102, 36748), (105, 36769), (107, 36790), (108, 36799), (114, 36856), (116, 36898), (118, 36952), (119, 36997), (127, 37066), (129, 37102), (131, 37129), (133, 37156), (137, 37216), (140, 37249), (141, 37252), (144, 37273), (146, 37300), (150, 37372), (154, 37441), (159, 37492), (211, 37702), (212, 37708), (213, 37714), (216, 37747), (217, 37789), (219, 37801), (221, 37819), (245, 37993), (247, 38002), (248, 38005), (249, 38008), (251, 38020), (254, 38032), (255, 38035), (260, 38050), (277, 38116), (281, 38131), (295, 38275), (297, 38287), (314, 38467), (318, 38485), (330, 38566), (334, 38602), (338, 38623), (341, 38689),

Gene: Phrappuccino_46 Start: 26549, Stop: 28942, Start Num: 27
Candidate Starts for Phrappuccino_46:
(Start: 27 @26549 has 2 MA's), (39, 26636), (42, 26660), (47, 26681), (50, 26708), (53, 26717), (60, 26759), (62, 26771), (66, 26786), (74, 26828), (75, 26837), (81, 26873), (87, 26918), (88, 26930), (89, 26954), (94, 27047), (104, 27200), (107, 27233), (108, 27242), (109, 27254), (125, 27473), (128, 27497), (129, 27530), (132, 27560), (133, 27584), (134, 27614), (137, 27644), (139, 27659), (142, 27689), (146, 27728), (148, 27764), (149, 27773), (151, 27860), (154, 27875), (164, 27998), (167, 28043), (213, 28148), (215, 28163), (217, 28223), (218, 28232), (220, 28250), (221, 28253), (224, 28268), (228, 28313), (230, 28331), (232, 28358), (235, 28388), (238, 28409), (239, 28412), (247, 28433), (253, 28457), (256, 28466), (259, 28475), (265, 28511), (273, 28535), (276, 28568), (279, 28580), (293, 28718), (296, 28733), (302, 28796), (306, 28805), (315, 28892), (322, 28928),

Gene: Phusco_90 Start: 36013, Stop: 38637, Start Num: 24
Candidate Starts for Phusco_90:

(Start: 24 @36013 has 171 MA's), (35, 36082), (36, 36088), (37, 36106), (44, 36142), (71, 36250), (74, 36262), (91, 36427), (92, 36433), (102, 36628), (105, 36649), (107, 36670), (108, 36679), (114, 36736), (116, 36778), (118, 36832), (119, 36877), (127, 36946), (129, 36982), (131, 37009), (133, 37036), (137, 37096), (140, 37129), (141, 37132), (145, 37162), (146, 37180), (154, 37321), (159, 37372), (211, 37582), (212, 37588), (216, 37627), (217, 37669), (219, 37681), (221, 37699), (245, 37873), (247, 37882), (248, 37885), (249, 37888), (251, 37900), (254, 37912), (255, 37915), (260, 37930), (277, 38017), (281, 38032), (295, 38176), (297, 38188), (314, 38368), (318, 38386), (330, 38467), (334, 38503), (338, 38524), (341, 38590),

Gene: Pier_94 Start: 36440, Stop: 39868, Start Num: 1
Candidate Starts for Pier_94:
(Start: 1 @36440 has 20 MA's), (Start: 2 @36509 has 2 MA's), (3, 36515), (4, 36533), (6, 36569), (10, 36677), (11, 36689), (13, 36812), (14, 36863), (15, 36917), (16, 36929), (17, 36950), (25, 37244), (32, 37289), (46, 37367), (55, 37403), (63, 37436), (67, 37451), (76, 37496), (78, 37505), (82, 37538), (85, 37574), (91, 37658), (92, 37664), (102, 37859), (105, 37880), (107, 37901), (108, 37910), (114, 37967), (116, 38009), (118, 38063), (119, 38108), (127, 38177), (129, 38213), (131, 38240), (133, 38267), (137, 38327), (140, 38360), (141, 38363), (145, 38393), (146, 38411), (154, 38552), (159, 38603), (211, 38813), (212, 38819), (216, 38858), (217, 38900), (219, 38912), (221, 38930), (245, 39104), (247, 39113), (248, 39116), (249, 39119), (251, 39131), (254, 39143), (255, 39146), (260, 39161), (277, 39248), (281, 39263), (295, 39407), (297, 39419), (314, 39599), (318, 39617), (330, 39698), (334, 39734), (338, 39755), (341, 39821),

Gene: Pinkcreek_81 Start: 33219, Stop: 35822, Start Num: 24
Candidate Starts for Pinkcreek_81:
(Start: 24 @33219 has 171 MA's), (35, 33288), (36, 33294), (37, 33312), (44, 33348), (71, 33456), (74, 33468), (89, 33594), (92, 33639), (102, 33834), (105, 33855), (107, 33876), (108, 33885), (114, 33942), (116, 33984), (118, 34038), (119, 34083), (127, 34152), (129, 34188), (131, 34215), (133, 34242), (137, 34302), (140, 34335), (141, 34338), (144, 34359), (146, 34386), (150, 34458), (154, 34527), (159, 34578), (211, 34788), (212, 34794), (213, 34800), (216, 34833), (217, 34875), (219, 34887), (221, 34905), (245, 35079), (247, 35088), (248, 35091), (249, 35094), (251, 35106), (254, 35118), (255, 35121), (260, 35136), (277, 35202), (281, 35217), (295, 35361), (297, 35373), (314, 35553), (318, 35571), (330, 35652), (334, 35688), (338, 35709), (341, 35775),

Gene: Pio_94 Start: 37172, Stop: 40600, Start Num: 1
Candidate Starts for Pio_94:
(Start: 1 @37172 has 20 MA's), (Start: 2 @37241 has 2 MA's), (3, 37247), (4, 37265), (6, 37301), (10, 37409), (11, 37421), (13, 37544), (14, 37595), (15, 37649), (16, 37661), (17, 37682), (25, 37976), (32, 38021), (46, 38099), (55, 38135), (63, 38168), (67, 38183), (76, 38228), (78, 38237), (82, 38270), (85, 38306), (91, 38390), (92, 38396), (102, 38591), (105, 38612), (107, 38633), (108, 38642), (114, 38699), (116, 38741), (118, 38795), (119, 38840), (127, 38909), (129, 38945), (131, 38972), (133, 38999), (137, 39059), (140, 39092), (141, 39095), (145, 39125), (146, 39143), (154, 39284), (159, 39335), (211, 39545), (212, 39551), (216, 39590), (217, 39632), (219, 39644), (221, 39662), (245, 39836), (247, 39845), (248, 39848), (249, 39851), (251, 39863), (254, 39875), (255, 39878), (260, 39893), (277, 39980), (281, 39995), (295, 40139), (297, 40151), (314, 40331), (318, 40349), (330, 40430), (334, 40466), (338, 40487), (341, 40553),

Gene: Pivoine_89 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for Pivoine_89:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245,

37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Pleione_93 Start: 36242, Stop: 38866, Start Num: 24
Candidate Starts for Pleione_93:
(Start: 24 @36242 has 171 MA's), (35, 36311), (36, 36317), (37, 36335), (44, 36371), (71, 36479), (74, 36491), (91, 36656), (92, 36662), (102, 36857), (105, 36878), (107, 36899), (108, 36908), (114, 36965), (116, 37007), (118, 37061), (119, 37106), (127, 37175), (129, 37211), (131, 37238), (133, 37265), (137, 37325), (140, 37358), (141, 37361), (145, 37391), (146, 37409), (154, 37550), (159, 37601), (211, 37811), (212, 37817), (216, 37856), (217, 37898), (219, 37910), (221, 37928), (245, 38102), (247, 38111), (248, 38114), (249, 38117), (251, 38129), (254, 38141), (255, 38144), (260, 38159), (277, 38246), (281, 38261), (295, 38405), (297, 38417), (314, 38597), (318, 38615), (330, 38696), (334, 38732), (338, 38753), (341, 38819),

Gene: Primadonna_84 Start: 35134, Stop: 37758, Start Num: 24
Candidate Starts for Primadonna_84:
(Start: 24 @35134 has 171 MA's), (35, 35203), (36, 35209), (37, 35227), (44, 35263), (71, 35371), (74, 35383), (91, 35548), (92, 35554), (102, 35749), (105, 35770), (107, 35791), (108, 35800), (114, 35857), (116, 35899), (118, 35953), (119, 35998), (127, 36067), (129, 36103), (131, 36130), (133, 36157), (137, 36217), (138, 36229), (140, 36250), (141, 36253), (145, 36283), (146, 36301), (154, 36442), (159, 36493), (211, 36703), (212, 36709), (213, 36715), (216, 36748), (217, 36790), (219, 36802), (221, 36820), (245, 36994), (247, 37003), (248, 37006), (249, 37009), (251, 37021), (254, 37033), (255, 37036), (260, 37051), (277, 37138), (281, 37153), (295, 37297), (297, 37309), (314, 37489), (318, 37507), (330, 37588), (334, 37624), (338, 37645), (341, 37711),

Gene: Puhon_95 Start: 37648, Stop: 40272, Start Num: 24
Candidate Starts for Puhon_95:
(Start: 24 @37648 has 171 MA's), (35, 37717), (36, 37723), (37, 37741), (44, 37777), (71, 37885), (74, 37897), (91, 38062), (92, 38068), (102, 38263), (105, 38284), (107, 38305), (108, 38314), (114, 38371), (116, 38413), (118, 38467), (119, 38512), (127, 38581), (129, 38617), (131, 38644), (133, 38671), (137, 38731), (138, 38743), (140, 38764), (141, 38767), (145, 38797), (146, 38815), (154, 38956), (159, 39007), (211, 39217), (212, 39223), (216, 39262), (217, 39304), (219, 39316), (221, 39334), (245, 39508), (247, 39517), (248, 39520), (249, 39523), (251, 39535), (254, 39547), (255, 39550), (260, 39565), (277, 39652), (281, 39667), (295, 39811), (297, 39823), (314, 40003), (318, 40021), (330, 40102), (334, 40138), (338, 40159), (341, 40225),

Gene: Pupper_88 Start: 36748, Stop: 39342, Start Num: 31
Candidate Starts for Pupper_88:
(Start: 29 @36730 has 3 MA's), (Start: 31 @36748 has 3 MA's), (48, 36847), (58, 36886), (71, 36949), (74, 36961), (80, 36991), (94, 37180), (96, 37207), (102, 37327), (104, 37336), (105, 37348), (106, 37354), (107, 37369), (108, 37378), (109, 37390), (111, 37402), (117, 37516), (119, 37576), (122, 37603), (126, 37642), (127, 37645), (129, 37681), (130, 37705), (137, 37795), (146, 37879), (149, 37924), (152, 38008), (153, 38017), (154, 38020), (159, 38071), (160, 38074), (211, 38281), (212, 38287), (217, 38368), (218, 38377), (219, 38380), (221, 38398), (225, 38416), (229, 38467), (233, 38509), (238, 38551), (244, 38566), (248, 38575), (253, 38593), (254, 38596), (258, 38608), (262, 38620), (263, 38635), (264, 38638), (271, 38668), (287, 38764), (291, 38842), (298, 38887), (300, 38926), (313, 39028), (324, 39103), (326, 39127), (327, 39130), (334, 39202), (341, 39295), (342, 39304), (343, 39316),

Gene: Pupusa_95 Start: 38059, Stop: 40683, Start Num: 24
Candidate Starts for Pupusa_95:

(Start: 24 @38059 has 171 MA's), (35, 38128), (36, 38134), (37, 38152), (44, 38188), (71, 38296), (74, 38308), (91, 38473), (92, 38479), (102, 38674), (105, 38695), (107, 38716), (108, 38725), (114, 38782), (116, 38824), (118, 38878), (119, 38923), (127, 38992), (129, 39028), (131, 39055), (133, 39082), (137, 39142), (140, 39175), (141, 39178), (145, 39208), (146, 39226), (154, 39367), (159, 39418), (211, 39628), (212, 39634), (216, 39673), (217, 39715), (219, 39727), (221, 39745), (245, 39919), (247, 39928), (248, 39931), (249, 39934), (251, 39946), (254, 39958), (255, 39961), (260, 39976), (277, 40063), (281, 40078), (295, 40222), (297, 40234), (314, 40414), (318, 40432), (330, 40513), (334, 40549), (338, 40570), (341, 40636),

Gene: PurduePete_90 Start: 36287, Stop: 38911, Start Num: 24
Candidate Starts for PurduePete_90:
(Start: 24 @36287 has 171 MA's), (35, 36356), (36, 36362), (37, 36380), (44, 36416), (71, 36524), (74, 36536), (91, 36701), (92, 36707), (102, 36902), (105, 36923), (107, 36944), (108, 36953), (114, 37010), (116, 37052), (118, 37106), (119, 37151), (127, 37220), (129, 37256), (131, 37283), (133, 37310), (137, 37370), (140, 37403), (141, 37406), (144, 37427), (146, 37454), (150, 37526), (154, 37595), (159, 37646), (211, 37856), (212, 37862), (216, 37901), (217, 37943), (219, 37955), (221, 37973), (245, 38147), (247, 38156), (248, 38159), (249, 38162), (251, 38174), (254, 38186), (255, 38189), (260, 38204), (277, 38291), (281, 38306), (295, 38450), (297, 38462), (314, 38642), (318, 38660), (330, 38741), (334, 38777), (338, 38798), (341, 38864),

Gene: QBert_84 Start: 35743, Stop: 38367, Start Num: 24
Candidate Starts for QBert_84:
(Start: 24 @35743 has 171 MA's), (35, 35812), (36, 35818), (37, 35836), (44, 35872), (71, 35980), (74, 35992), (91, 36157), (92, 36163), (102, 36358), (105, 36379), (107, 36400), (108, 36409), (114, 36466), (116, 36508), (118, 36562), (119, 36607), (127, 36676), (129, 36712), (131, 36739), (133, 36766), (137, 36826), (140, 36859), (141, 36862), (145, 36892), (146, 36910), (154, 37051), (159, 37102), (211, 37312), (212, 37318), (216, 37357), (217, 37399), (219, 37411), (221, 37429), (245, 37603), (247, 37612), (248, 37615), (249, 37618), (251, 37630), (254, 37642), (255, 37645), (260, 37660), (277, 37747), (281, 37762), (295, 37906), (297, 37918), (314, 38098), (318, 38116), (330, 38197), (334, 38233), (338, 38254), (341, 38320),

Gene: Quasimodo_90 Start: 35799, Stop: 38402, Start Num: 24
Candidate Starts for Quasimodo_90:
(Start: 24 @35799 has 171 MA's), (35, 35868), (36, 35874), (37, 35892), (44, 35928), (71, 36036), (74, 36048), (91, 36213), (92, 36219), (102, 36414), (105, 36435), (107, 36456), (108, 36465), (114, 36522), (116, 36564), (118, 36618), (119, 36663), (127, 36732), (129, 36768), (131, 36795), (133, 36822), (137, 36882), (140, 36915), (141, 36918), (144, 36939), (146, 36966), (150, 37038), (154, 37107), (159, 37158), (211, 37368), (212, 37374), (213, 37380), (216, 37413), (217, 37455), (219, 37467), (221, 37485), (245, 37659), (247, 37668), (248, 37671), (249, 37674), (251, 37686), (254, 37698), (255, 37701), (260, 37716), (277, 37782), (281, 37797), (295, 37941), (297, 37953), (314, 38133), (318, 38151), (330, 38232), (334, 38268), (338, 38289), (341, 38355),

Gene: Rabinovish_87 Start: 36106, Stop: 38709, Start Num: 24
Candidate Starts for Rabinovish_87:
(Start: 24 @36106 has 171 MA's), (35, 36175), (36, 36181), (37, 36199), (44, 36235), (71, 36343), (74, 36355), (91, 36520), (92, 36526), (102, 36721), (105, 36742), (107, 36763), (108, 36772), (114, 36829), (116, 36871), (118, 36925), (119, 36970), (127, 37039), (129, 37075), (131, 37102), (133, 37129), (137, 37189), (140, 37222), (141, 37225), (144, 37246), (146, 37273), (150, 37345), (154, 37414), (159, 37465), (211, 37675), (212, 37681), (213, 37687), (216, 37720), (217, 37762), (219, 37774), (221, 37792), (245, 37966), (247, 37975), (248, 37978), (249, 37981), (251, 37993), (254, 38005), (255, 38008), (260, 38023), (277, 38089), (281, 38104), (295, 38248), (297, 38260), (314, 38440), (318, 38458), (330, 38539), (334, 38575), (338, 38596), (341, 38662),

Gene: Rahel_89 Start: 34801, Stop: 38229, Start Num: 1
Candidate Starts for Rahel_89:
(Start: 1 @34801 has 20 MA's), (Start: 2 @34870 has 2 MA's), (3, 34876), (4, 34894), (6, 34930), (10, 35038), (11, 35050), (13, 35173), (14, 35224), (15, 35278), (16, 35290), (17, 35311), (25, 35605), (32, 35650), (46, 35728), (55, 35764), (63, 35797), (67, 35812), (76, 35857), (78, 35866), (82, 35899), (85, 35935), (91, 36019), (92, 36025), (102, 36220), (105, 36241), (107, 36262), (108, 36271), (114, 36328), (116, 36370), (118, 36424), (119, 36469), (127, 36538), (129, 36574), (131, 36601), (133, 36628), (137, 36688), (140, 36721), (141, 36724), (145, 36754), (146, 36772), (154, 36913), (159, 36964), (211, 37174), (212, 37180), (216, 37219), (217, 37261), (219, 37273), (221, 37291), (245, 37465), (247, 37474), (248, 37477), (249, 37480), (251, 37492), (254, 37504), (255, 37507), (260, 37522), (277, 37609), (281, 37624), (295, 37768), (297, 37780), (314, 37960), (318, 37978), (330, 38059), (334, 38095), (338, 38116), (341, 38182),

Gene: RedWattleHog_11 Start: 9594, Stop: 12170, Start Num: 30
Candidate Starts for RedWattleHog_11:
(28, 9585), (Start: 30 @9594 has 3 MA's), (51, 9702), (63, 9765), (68, 9783), (73, 9810), (75, 9825), (78, 9837), (92, 9987), (94, 10035), (95, 10041), (101, 10143), (105, 10197), (107, 10218), (109, 10239), (115, 10302), (120, 10416), (121, 10425), (127, 10482), (128, 10485), (129, 10518), (136, 10629), (137, 10632), (140, 10665), (145, 10698), (146, 10716), (149, 10761), (153, 10854), (154, 10857), (156, 10878), (157, 10890), (163, 10971), (165, 10983), (212, 11124), (221, 11235), (257, 11451), (305, 11775), (317, 11889), (319, 11910), (333, 12024), (335, 12036), (337, 12045), (340, 12111), (341, 12120),

Gene: Rizal_88 Start: 35160, Stop: 37784, Start Num: 24
Candidate Starts for Rizal_88:
(Start: 24 @35160 has 171 MA's), (35, 35229), (36, 35235), (37, 35253), (44, 35289), (71, 35397), (74, 35409), (91, 35574), (92, 35580), (102, 35775), (105, 35796), (107, 35817), (108, 35826), (114, 35883), (116, 35925), (118, 35979), (119, 36024), (127, 36093), (129, 36129), (131, 36156), (133, 36183), (137, 36243), (140, 36276), (141, 36279), (144, 36300), (146, 36327), (150, 36399), (154, 36468), (159, 36519), (211, 36729), (212, 36735), (216, 36774), (217, 36816), (219, 36828), (221, 36846), (245, 37020), (247, 37029), (248, 37032), (249, 37035), (251, 37047), (254, 37059), (255, 37062), (260, 37077), (277, 37164), (281, 37179), (295, 37323), (297, 37335), (314, 37515), (318, 37533), (330, 37614), (334, 37650), (338, 37671), (341, 37737),

Gene: RoMag_85 Start: 35602, Stop: 38226, Start Num: 24
Candidate Starts for RoMag_85:
(Start: 24 @35602 has 171 MA's), (35, 35671), (36, 35677), (37, 35695), (44, 35731), (71, 35839), (74, 35851), (91, 36016), (92, 36022), (102, 36217), (105, 36238), (107, 36259), (108, 36268), (114, 36325), (116, 36367), (118, 36421), (119, 36466), (127, 36535), (129, 36571), (131, 36598), (133, 36625), (137, 36685), (140, 36718), (141, 36721), (145, 36751), (146, 36769), (154, 36910), (159, 36961), (211, 37171), (212, 37177), (213, 37183), (216, 37216), (217, 37258), (219, 37270), (221, 37288), (245, 37462), (247, 37471), (248, 37474), (249, 37477), (251, 37489), (254, 37501), (255, 37504), (260, 37519), (277, 37606), (281, 37621), (295, 37765), (297, 37777), (314, 37957), (318, 37975), (330, 38056), (334, 38092), (338, 38113), (341, 38179),

Gene: Rocha_89 Start: 35685, Stop: 38309, Start Num: 24
Candidate Starts for Rocha_89:
(Start: 24 @35685 has 171 MA's), (35, 35754), (36, 35760), (37, 35778), (44, 35814), (71, 35922), (74, 35934), (91, 36099), (92, 36105), (102, 36300), (105, 36321), (107, 36342), (108, 36351), (114, 36408), (116, 36450), (118, 36504), (119, 36549), (127, 36618), (129, 36654), (131, 36681), (133, 36708), (137, 36768), (140, 36801), (141, 36804), (145, 36834), (146, 36852), (154, 36993), (159, 37044), (211, 37254), (212, 37260), (216, 37299), (217, 37341), (219, 37353), (221, 37371), (245, 37545), (247, 37554), (248, 37557), (249, 37560), (251, 37572), (254, 37584), (255, 37587), (260,

37602), (277, 37689), (281, 37704), (295, 37848), (297, 37860), (314, 38040), (318, 38058), (330, 38139), (334, 38175), (338, 38196), (341, 38262),

Gene: Ronan_83 Start: 33049, Stop: 35673, Start Num: 24
Candidate Starts for Ronan_83:
(Start: 24 @33049 has 171 MA's), (35, 33118), (36, 33124), (37, 33142), (44, 33178), (71, 33286), (74, 33298), (91, 33463), (92, 33469), (102, 33664), (105, 33685), (107, 33706), (108, 33715), (114, 33772), (116, 33814), (118, 33868), (119, 33913), (127, 33982), (129, 34018), (131, 34045), (133, 34072), (137, 34132), (140, 34165), (141, 34168), (145, 34198), (146, 34216), (154, 34357), (159, 34408), (211, 34618), (212, 34624), (216, 34663), (217, 34705), (219, 34717), (221, 34735), (245, 34909), (247, 34918), (248, 34921), (249, 34924), (251, 34936), (254, 34948), (255, 34951), (260, 34966), (277, 35053), (281, 35068), (295, 35212), (297, 35224), (314, 35404), (318, 35422), (330, 35503), (334, 35539), (338, 35560), (341, 35626),

Gene: Roots515_89 Start: 35665, Stop: 38289, Start Num: 24
Candidate Starts for Roots515_89:
(Start: 24 @35665 has 171 MA's), (35, 35734), (36, 35740), (37, 35758), (44, 35794), (71, 35902), (74, 35914), (91, 36079), (92, 36085), (102, 36280), (105, 36301), (107, 36322), (108, 36331), (114, 36388), (116, 36430), (118, 36484), (119, 36529), (127, 36598), (129, 36634), (131, 36661), (133, 36688), (137, 36748), (140, 36781), (141, 36784), (145, 36814), (146, 36832), (154, 36973), (159, 37024), (211, 37234), (212, 37240), (216, 37279), (217, 37321), (219, 37333), (221, 37351), (245, 37525), (247, 37534), (248, 37537), (249, 37540), (251, 37552), (254, 37564), (255, 37567), (260, 37582), (277, 37669), (281, 37684), (295, 37828), (297, 37840), (314, 38020), (318, 38038), (330, 38119), (334, 38155), (338, 38176), (341, 38242),

Gene: SCentae_87 Start: 36876, Stop: 39488, Start Num: 29
Candidate Starts for SCentae_87:
(20, 36738), (21, 36747), (Start: 29 @36876 has 3 MA's), (Start: 31 @36894 has 3 MA's), (48, 36993), (58, 37032), (71, 37095), (74, 37107), (80, 37137), (94, 37326), (96, 37353), (102, 37473), (104, 37482), (105, 37494), (106, 37500), (107, 37515), (108, 37524), (109, 37536), (111, 37548), (117, 37662), (119, 37722), (122, 37749), (126, 37788), (127, 37791), (129, 37827), (130, 37851), (137, 37941), (146, 38025), (149, 38070), (152, 38154), (153, 38163), (154, 38166), (159, 38217), (160, 38220), (211, 38427), (212, 38433), (217, 38514), (218, 38523), (219, 38526), (221, 38544), (225, 38562), (229, 38613), (233, 38655), (238, 38697), (244, 38712), (248, 38721), (253, 38739), (254, 38742), (258, 38754), (262, 38766), (263, 38781), (264, 38784), (271, 38814), (287, 38910), (291, 38988), (298, 39033), (300, 39072), (313, 39174), (324, 39249), (326, 39273), (327, 39276), (334, 39348), (341, 39441), (342, 39450), (343, 39462),

Gene: SVoro_88 Start: 36237, Stop: 38861, Start Num: 24
Candidate Starts for SVoro_88:
(Start: 24 @36237 has 171 MA's), (35, 36306), (36, 36312), (37, 36330), (44, 36366), (71, 36474), (74, 36486), (91, 36651), (92, 36657), (102, 36852), (105, 36873), (107, 36894), (108, 36903), (114, 36960), (116, 37002), (118, 37056), (119, 37101), (127, 37170), (129, 37206), (131, 37233), (133, 37260), (137, 37320), (140, 37353), (141, 37356), (144, 37377), (146, 37404), (150, 37476), (154, 37545), (159, 37596), (211, 37806), (212, 37812), (216, 37851), (217, 37893), (219, 37905), (221, 37923), (245, 38097), (247, 38106), (248, 38109), (249, 38112), (251, 38124), (254, 38136), (255, 38139), (260, 38154), (277, 38241), (281, 38256), (295, 38400), (297, 38412), (314, 38592), (318, 38610), (330, 38691), (334, 38727), (338, 38748), (341, 38814),

Gene: Salacia_94 Start: 36357, Stop: 38981, Start Num: 24
Candidate Starts for Salacia_94:
(Start: 24 @36357 has 171 MA's), (35, 36426), (36, 36432), (37, 36450), (44, 36486), (71, 36594), (74, 36606), (91, 36771), (92, 36777), (102, 36972), (105, 36993), (107, 37014), (108, 37023), (114,

37080), (116, 37122), (118, 37176), (119, 37221), (127, 37290), (129, 37326), (131, 37353), (133, 37380), (137, 37440), (140, 37473), (141, 37476), (145, 37506), (146, 37524), (154, 37665), (159, 37716), (211, 37926), (212, 37932), (216, 37971), (217, 38013), (219, 38025), (221, 38043), (245, 38217), (247, 38226), (248, 38229), (249, 38232), (251, 38244), (254, 38256), (255, 38259), (260, 38274), (277, 38361), (281, 38376), (295, 38520), (297, 38532), (314, 38712), (318, 38730), (330, 38811), (334, 38847), (338, 38868), (341, 38934),

Gene: Sauce_90 Start: 35097, Stop: 37721, Start Num: 24
Candidate Starts for Sauce_90:
(Start: 24 @35097 has 171 MA's), (35, 35166), (36, 35172), (37, 35190), (44, 35226), (71, 35334), (74, 35346), (91, 35511), (92, 35517), (102, 35712), (105, 35733), (107, 35754), (108, 35763), (114, 35820), (116, 35862), (118, 35916), (119, 35961), (127, 36030), (129, 36066), (131, 36093), (133, 36120), (137, 36180), (140, 36213), (141, 36216), (145, 36246), (146, 36264), (154, 36405), (159, 36456), (211, 36666), (212, 36672), (216, 36711), (217, 36753), (219, 36765), (221, 36783), (245, 36957), (247, 36966), (248, 36969), (249, 36972), (251, 36984), (254, 36996), (255, 36999), (260, 37014), (277, 37101), (281, 37116), (295, 37260), (297, 37272), (314, 37452), (318, 37470), (330, 37551), (334, 37587), (338, 37608), (341, 37674),

Gene: ScoobyDoobyDoo_84 Start: 34152, Stop: 37481, Start Num: 2
Candidate Starts for ScoobyDoobyDoo_84:
(Start: 2 @34152 has 2 MA's), (5, 34191), (7, 34230), (8, 34257), (9, 34299), (10, 34320), (11, 34332), (12, 34371), (13, 34455), (14, 34506), (15, 34560), (18, 34665), (19, 34752), (41, 34989), (42, 34998), (46, 35010), (61, 35079), (67, 35094), (70, 35109), (77, 35139), (79, 35148), (83, 35181), (94, 35355), (102, 35502), (105, 35523), (107, 35544), (108, 35553), (109, 35565), (112, 35592), (114, 35610), (119, 35751), (123, 35787), (127, 35820), (130, 35880), (140, 36003), (146, 36054), (147, 36084), (149, 36099), (152, 36183), (153, 36192), (154, 36195), (155, 36198), (211, 36456), (212, 36462), (215, 36483), (216, 36501), (219, 36555), (221, 36573), (223, 36582), (229, 36642), (241, 36735), (245, 36747), (248, 36759), (254, 36786), (260, 36804), (268, 36849), (274, 36885), (295, 37071), (318, 37239), (320, 37251), (323, 37266), (332, 37314), (341, 37434), (344, 37464),

Gene: ScottMcG_87 Start: 35250, Stop: 37853, Start Num: 24
Candidate Starts for ScottMcG_87:
(Start: 24 @35250 has 171 MA's), (35, 35319), (36, 35325), (37, 35343), (44, 35379), (71, 35487), (74, 35499), (91, 35664), (92, 35670), (102, 35865), (105, 35886), (107, 35907), (108, 35916), (114, 35973), (116, 36015), (118, 36069), (119, 36114), (127, 36183), (129, 36219), (131, 36246), (133, 36273), (137, 36333), (140, 36366), (141, 36369), (144, 36390), (146, 36417), (150, 36489), (154, 36558), (159, 36609), (211, 36819), (212, 36825), (213, 36831), (216, 36864), (217, 36906), (219, 36918), (221, 36936), (245, 37110), (247, 37119), (248, 37122), (249, 37125), (251, 37137), (254, 37149), (255, 37152), (260, 37167), (277, 37233), (281, 37248), (295, 37392), (297, 37404), (314, 37584), (318, 37602), (330, 37683), (334, 37719), (338, 37740), (341, 37806),

Gene: Sebata_91 Start: 36733, Stop: 39357, Start Num: 24
Candidate Starts for Sebata_91:
(Start: 24 @36733 has 171 MA's), (35, 36802), (36, 36808), (37, 36826), (44, 36862), (71, 36970), (74, 36982), (91, 37147), (92, 37153), (102, 37348), (105, 37369), (107, 37390), (108, 37399), (114, 37456), (116, 37498), (118, 37552), (119, 37597), (127, 37666), (129, 37702), (131, 37729), (133, 37756), (137, 37816), (140, 37849), (141, 37852), (145, 37882), (146, 37900), (154, 38041), (159, 38092), (211, 38302), (212, 38308), (216, 38347), (217, 38389), (219, 38401), (221, 38419), (245, 38593), (247, 38602), (248, 38605), (249, 38608), (251, 38620), (254, 38632), (255, 38635), (260, 38650), (277, 38737), (281, 38752), (295, 38896), (297, 38908), (314, 39088), (318, 39106), (330, 39187), (334, 39223), (338, 39244), (341, 39310),

Gene: Settecandela_46 Start: 26549, Stop: 28942, Start Num: 27

Candidate Starts for Settecandela_46:
(Start: 27 @26549 has 2 MA's), (39, 26636), (42, 26660), (47, 26681), (50, 26708), (53, 26717), (60, 26759), (62, 26771), (66, 26786), (74, 26828), (75, 26837), (81, 26873), (87, 26918), (88, 26930), (89, 26954), (94, 27047), (104, 27200), (107, 27233), (108, 27242), (109, 27254), (125, 27473), (128, 27497), (129, 27530), (132, 27560), (133, 27584), (134, 27614), (137, 27644), (139, 27659), (142, 27689), (146, 27728), (148, 27764), (149, 27773), (151, 27860), (154, 27875), (164, 27998), (167, 28043), (213, 28148), (215, 28163), (217, 28223), (218, 28232), (220, 28250), (221, 28253), (224, 28268), (228, 28313), (230, 28331), (232, 28358), (235, 28388), (238, 28409), (239, 28412), (247, 28433), (253, 28457), (256, 28466), (259, 28475), (265, 28511), (273, 28535), (276, 28568), (279, 28580), (293, 28718), (296, 28733), (302, 28796), (306, 28805), (315, 28892), (322, 28928),

Gene: Shaqnato_82 Start: 33972, Stop: 36596, Start Num: 24
Candidate Starts for Shaqnato_82:
(Start: 24 @33972 has 171 MA's), (35, 34041), (36, 34047), (37, 34065), (44, 34101), (71, 34209), (74, 34221), (91, 34386), (92, 34392), (102, 34587), (105, 34608), (107, 34629), (108, 34638), (114, 34695), (116, 34737), (118, 34791), (119, 34836), (127, 34905), (129, 34941), (131, 34968), (133, 34995), (137, 35055), (140, 35088), (141, 35091), (145, 35121), (146, 35139), (154, 35280), (159, 35331), (211, 35541), (212, 35547), (216, 35586), (217, 35628), (219, 35640), (221, 35658), (245, 35832), (247, 35841), (248, 35844), (249, 35847), (251, 35859), (254, 35871), (255, 35874), (260, 35889), (277, 35976), (281, 35991), (295, 36135), (297, 36147), (314, 36327), (318, 36345), (330, 36426), (334, 36462), (338, 36483), (341, 36549),

Gene: Shelob_92 Start: 37235, Stop: 39859, Start Num: 24
Candidate Starts for Shelob_92:
(Start: 24 @37235 has 171 MA's), (35, 37304), (36, 37310), (37, 37328), (44, 37364), (71, 37472), (74, 37484), (91, 37649), (92, 37655), (102, 37850), (105, 37871), (107, 37892), (108, 37901), (114, 37958), (116, 38000), (118, 38054), (119, 38099), (127, 38168), (129, 38204), (131, 38231), (133, 38258), (137, 38318), (140, 38351), (141, 38354), (145, 38384), (146, 38402), (154, 38543), (159, 38594), (211, 38804), (212, 38810), (216, 38849), (217, 38891), (219, 38903), (221, 38921), (245, 39095), (247, 39104), (248, 39107), (249, 39110), (251, 39122), (254, 39134), (255, 39137), (260, 39152), (277, 39239), (281, 39254), (295, 39398), (297, 39410), (314, 39590), (318, 39608), (330, 39689), (334, 39725), (338, 39746), (341, 39812),

Gene: ShiaLabeouf_90 Start: 35640, Stop: 39068, Start Num: 1
Candidate Starts for ShiaLabeouf_90:
(Start: 1 @35640 has 20 MA's), (Start: 2 @35709 has 2 MA's), (3, 35715), (4, 35733), (6, 35769), (10, 35877), (11, 35889), (13, 36012), (14, 36063), (15, 36117), (16, 36129), (17, 36150), (25, 36444), (32, 36489), (46, 36567), (55, 36603), (63, 36636), (67, 36651), (76, 36696), (78, 36705), (82, 36738), (85, 36774), (91, 36858), (92, 36864), (102, 37059), (105, 37080), (107, 37101), (108, 37110), (114, 37167), (116, 37209), (118, 37263), (119, 37308), (127, 37377), (129, 37413), (131, 37440), (133, 37467), (137, 37527), (140, 37560), (141, 37563), (145, 37593), (146, 37611), (154, 37752), (159, 37803), (211, 38013), (212, 38019), (216, 38058), (217, 38100), (219, 38112), (221, 38130), (245, 38304), (247, 38313), (248, 38316), (249, 38319), (251, 38331), (254, 38343), (255, 38346), (260, 38361), (277, 38448), (281, 38463), (295, 38607), (297, 38619), (314, 38799), (318, 38817), (330, 38898), (334, 38934), (338, 38955), (341, 39021),

Gene: Shifa_79 Start: 33706, Stop: 36309, Start Num: 24
Candidate Starts for Shifa_79:
(Start: 24 @33706 has 171 MA's), (35, 33775), (36, 33781), (37, 33799), (44, 33835), (71, 33943), (74, 33955), (89, 34081), (92, 34126), (102, 34321), (105, 34342), (107, 34363), (108, 34372), (114, 34429), (116, 34471), (118, 34525), (119, 34570), (127, 34639), (129, 34675), (131, 34702), (133, 34729), (137, 34789), (140, 34822), (141, 34825), (146, 34873), (150, 34945), (154, 35014), (159, 35065), (211, 35275), (212, 35281), (213, 35287), (216, 35320), (217, 35362), (219, 35374), (221,

35392), (245, 35566), (247, 35575), (248, 35578), (249, 35581), (251, 35593), (254, 35605), (255, 35608), (260, 35623), (277, 35689), (281, 35704), (295, 35848), (297, 35860), (314, 36040), (318, 36058), (330, 36139), (334, 36175), (338, 36196), (341, 36262),

Gene: Shnickers_90 Start: 35200, Stop: 38628, Start Num: 1
Candidate Starts for Shnickers_90:
(Start: 1 @35200 has 20 MA's), (Start: 2 @35269 has 2 MA's), (3, 35275), (4, 35293), (6, 35329), (10, 35437), (11, 35449), (13, 35572), (14, 35623), (15, 35677), (16, 35689), (17, 35710), (25, 36004), (32, 36049), (46, 36127), (55, 36163), (63, 36196), (67, 36211), (76, 36256), (78, 36265), (82, 36298), (85, 36334), (91, 36418), (92, 36424), (102, 36619), (105, 36640), (107, 36661), (108, 36670), (114, 36727), (116, 36769), (118, 36823), (119, 36868), (127, 36937), (129, 36973), (131, 37000), (133, 37027), (137, 37087), (140, 37120), (141, 37123), (145, 37153), (146, 37171), (154, 37312), (159, 37363), (211, 37573), (212, 37579), (216, 37618), (217, 37660), (219, 37672), (221, 37690), (245, 37864), (247, 37873), (248, 37876), (249, 37879), (251, 37891), (254, 37903), (255, 37906), (260, 37921), (277, 38008), (281, 38023), (295, 38167), (297, 38179), (314, 38359), (318, 38377), (330, 38458), (334, 38494), (338, 38515), (341, 38581),

Gene: Shrimp_90 Start: 36247, Stop: 38871, Start Num: 24
Candidate Starts for Shrimp_90:
(Start: 24 @36247 has 171 MA's), (35, 36316), (36, 36322), (37, 36340), (44, 36376), (71, 36484), (74, 36496), (91, 36661), (92, 36667), (102, 36862), (105, 36883), (107, 36904), (108, 36913), (114, 36970), (116, 37012), (118, 37066), (119, 37111), (127, 37180), (129, 37216), (131, 37243), (133, 37270), (137, 37330), (140, 37363), (141, 37366), (145, 37396), (146, 37414), (154, 37555), (159, 37606), (211, 37816), (212, 37822), (216, 37861), (217, 37903), (219, 37915), (221, 37933), (245, 38107), (247, 38116), (248, 38119), (249, 38122), (251, 38134), (254, 38146), (255, 38149), (260, 38164), (277, 38251), (281, 38266), (295, 38410), (297, 38422), (314, 38602), (318, 38620), (330, 38701), (334, 38737), (338, 38758), (341, 38824),

Gene: SilverDipper_91 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for SilverDipper_91:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: SiwenD96_89 Start: 36294, Stop: 38918, Start Num: 24
Candidate Starts for SiwenD96_89:
(Start: 24 @36294 has 171 MA's), (35, 36363), (36, 36369), (37, 36387), (44, 36423), (71, 36531), (74, 36543), (91, 36708), (92, 36714), (102, 36909), (105, 36930), (107, 36951), (108, 36960), (114, 37017), (116, 37059), (118, 37113), (119, 37158), (127, 37227), (129, 37263), (131, 37290), (133, 37317), (137, 37377), (140, 37410), (141, 37413), (145, 37443), (146, 37461), (154, 37602), (159, 37653), (211, 37863), (212, 37869), (216, 37908), (217, 37950), (219, 37962), (221, 37980), (245, 38154), (247, 38163), (248, 38166), (249, 38169), (251, 38181), (254, 38193), (255, 38196), (260, 38211), (277, 38298), (281, 38313), (295, 38457), (297, 38469), (314, 38649), (318, 38667), (330, 38748), (334, 38784), (338, 38805), (341, 38871),

Gene: Skog_151 Start: 66444, Stop: 69053, Start Num: 29
Candidate Starts for Skog_151:

(Start: 29 @66444 has 3 MA's), (Start: 31 @66462 has 3 MA's), (48, 66561), (58, 66600), (74, 66657), (80, 66687), (94, 66876), (96, 66903), (102, 67023), (104, 67032), (105, 67044), (106, 67050), (107, 67065), (108, 67074), (109, 67086), (119, 67272), (127, 67341), (129, 67377), (130, 67401), (135, 67479), (137, 67491), (146, 67575), (149, 67620), (152, 67704), (153, 67713), (154, 67716), (211, 67977), (212, 67983), (217, 68064), (218, 68073), (219, 68076), (221, 68094), (225, 68112), (231, 68187), (233, 68205), (238, 68247), (244, 68262), (248, 68271), (252, 68289), (253, 68295), (254, 68298), (267, 68352), (270, 68367), (286, 68463), (287, 68466), (291, 68544), (298, 68589), (300, 68628), (307, 68652), (308, 68667), (309, 68685), (312, 68724), (313, 68742), (321, 68805), (324, 68817), (329, 68868), (334, 68913), (339, 68994), (341, 69006), (343, 69027),

Gene: SmallFry_90 Start: 35199, Stop: 37823, Start Num: 24
Candidate Starts for SmallFry_90:
(Start: 24 @35199 has 171 MA's), (35, 35268), (36, 35274), (37, 35292), (44, 35328), (71, 35436), (74, 35448), (91, 35613), (92, 35619), (102, 35814), (105, 35835), (107, 35856), (108, 35865), (114, 35922), (116, 35964), (118, 36018), (119, 36063), (127, 36132), (129, 36168), (131, 36195), (133, 36222), (137, 36282), (138, 36294), (140, 36315), (141, 36318), (145, 36348), (146, 36366), (154, 36507), (159, 36558), (211, 36768), (212, 36774), (216, 36813), (217, 36855), (219, 36867), (221, 36885), (245, 37059), (247, 37068), (248, 37071), (249, 37074), (251, 37086), (254, 37098), (255, 37101), (260, 37116), (277, 37203), (281, 37218), (295, 37362), (297, 37374), (314, 37554), (318, 37572), (330, 37653), (334, 37689), (338, 37710), (341, 37776),

Gene: SoilZilla_86 Start: 35355, Stop: 37958, Start Num: 24
Candidate Starts for SoilZilla_86:
(Start: 24 @35355 has 171 MA's), (35, 35424), (36, 35430), (37, 35448), (44, 35484), (71, 35592), (74, 35604), (91, 35769), (92, 35775), (102, 35970), (105, 35991), (107, 36012), (108, 36021), (114, 36078), (116, 36120), (118, 36174), (119, 36219), (127, 36288), (129, 36324), (131, 36351), (133, 36378), (137, 36438), (140, 36471), (141, 36474), (145, 36504), (146, 36522), (154, 36663), (159, 36714), (211, 36924), (212, 36930), (216, 36969), (217, 37011), (219, 37023), (221, 37041), (245, 37215), (247, 37224), (248, 37227), (249, 37230), (251, 37242), (254, 37254), (255, 37257), (260, 37272), (277, 37338), (281, 37353), (295, 37497), (297, 37509), (314, 37689), (318, 37707), (330, 37788), (334, 37824), (338, 37845), (341, 37911),

Gene: Spec_87 Start: 34965, Stop: 38393, Start Num: 1
Candidate Starts for Spec_87:
(Start: 1 @34965 has 20 MA's), (Start: 2 @35034 has 2 MA's), (3, 35040), (4, 35058), (6, 35094), (10, 35202), (11, 35214), (13, 35337), (14, 35388), (15, 35442), (16, 35454), (17, 35475), (25, 35769), (32, 35814), (46, 35892), (55, 35928), (63, 35961), (67, 35976), (76, 36021), (78, 36030), (82, 36063), (85, 36099), (91, 36183), (92, 36189), (102, 36384), (105, 36405), (107, 36426), (108, 36435), (114, 36492), (116, 36534), (118, 36588), (119, 36633), (127, 36702), (129, 36738), (131, 36765), (133, 36792), (137, 36852), (140, 36885), (141, 36888), (145, 36918), (146, 36936), (154, 37077), (159, 37128), (211, 37338), (212, 37344), (216, 37383), (217, 37425), (219, 37437), (221, 37455), (245, 37629), (247, 37638), (248, 37641), (249, 37644), (251, 37656), (254, 37668), (255, 37671), (260, 37686), (277, 37773), (281, 37788), (295, 37932), (297, 37944), (314, 38124), (318, 38142), (330, 38223), (334, 38259), (338, 38280), (341, 38346),

Gene: Specks_96 Start: 37983, Stop: 40607, Start Num: 24
Candidate Starts for Specks_96:
(Start: 24 @37983 has 171 MA's), (35, 38052), (36, 38058), (37, 38076), (44, 38112), (71, 38220), (74, 38232), (91, 38397), (92, 38403), (102, 38598), (105, 38619), (107, 38640), (108, 38649), (114, 38706), (116, 38748), (118, 38802), (119, 38847), (127, 38916), (129, 38952), (131, 38979), (133, 39006), (137, 39066), (138, 39078), (140, 39099), (141, 39102), (145, 39132), (146, 39150), (154, 39291), (159, 39342), (211, 39552), (212, 39558), (216, 39597), (217, 39639), (219, 39651), (221, 39669), (245, 39843), (247, 39852), (248, 39855), (249, 39858), (251, 39870), (254, 39882), (255,

39885), (260, 39900), (277, 39987), (281, 40002), (295, 40146), (297, 40158), (314, 40338), (318, 40356), (330, 40437), (334, 40473), (338, 40494), (341, 40560),

Gene: Sprinklers_85 Start: 34469, Stop: 37093, Start Num: 24
Candidate Starts for Sprinklers_85:
(Start: 24 @34469 has 171 MA's), (35, 34538), (36, 34544), (37, 34562), (44, 34598), (71, 34706), (74, 34718), (91, 34883), (92, 34889), (102, 35084), (105, 35105), (107, 35126), (108, 35135), (114, 35192), (116, 35234), (118, 35288), (119, 35333), (127, 35402), (129, 35438), (131, 35465), (133, 35492), (137, 35552), (140, 35585), (141, 35588), (145, 35618), (146, 35636), (154, 35777), (159, 35828), (211, 36038), (212, 36044), (216, 36083), (217, 36125), (219, 36137), (221, 36155), (245, 36329), (247, 36338), (248, 36341), (249, 36344), (251, 36356), (254, 36368), (255, 36371), (260, 36386), (277, 36473), (281, 36488), (295, 36632), (297, 36644), (314, 36824), (318, 36842), (330, 36923), (334, 36959), (338, 36980), (341, 37046),

Gene: Spud_90 Start: 36211, Stop: 38814, Start Num: 24
Candidate Starts for Spud_90:
(Start: 24 @36211 has 171 MA's), (35, 36280), (36, 36286), (37, 36304), (44, 36340), (71, 36448), (74, 36460), (91, 36625), (92, 36631), (102, 36826), (105, 36847), (107, 36868), (108, 36877), (114, 36934), (116, 36976), (118, 37030), (119, 37075), (127, 37144), (129, 37180), (131, 37207), (133, 37234), (137, 37294), (140, 37327), (141, 37330), (144, 37351), (146, 37378), (150, 37450), (154, 37519), (159, 37570), (211, 37780), (212, 37786), (213, 37792), (216, 37825), (217, 37867), (219, 37879), (221, 37897), (245, 38071), (247, 38080), (248, 38083), (249, 38086), (251, 38098), (254, 38110), (255, 38113), (260, 38128), (277, 38194), (281, 38209), (295, 38353), (297, 38365), (314, 38545), (318, 38563), (330, 38644), (334, 38680), (338, 38701), (341, 38767),

Gene: SrishMeg2525_89 Start: 35579, Stop: 38203, Start Num: 24
Candidate Starts for SrishMeg2525_89:
(Start: 24 @35579 has 171 MA's), (35, 35648), (36, 35654), (37, 35672), (44, 35708), (71, 35816), (74, 35828), (91, 35993), (92, 35999), (102, 36194), (105, 36215), (107, 36236), (108, 36245), (114, 36302), (116, 36344), (118, 36398), (119, 36443), (127, 36512), (129, 36548), (131, 36575), (133, 36602), (137, 36662), (140, 36695), (141, 36698), (145, 36728), (146, 36746), (154, 36887), (159, 36938), (211, 37148), (212, 37154), (216, 37193), (217, 37235), (219, 37247), (221, 37265), (245, 37439), (247, 37448), (248, 37451), (249, 37454), (251, 37466), (254, 37478), (255, 37481), (260, 37496), (277, 37583), (281, 37598), (295, 37742), (297, 37754), (314, 37934), (318, 37952), (330, 38033), (334, 38069), (338, 38090), (341, 38156),

Gene: StephanieG_89 Start: 37059, Stop: 39683, Start Num: 24
Candidate Starts for StephanieG_89:
(Start: 24 @37059 has 171 MA's), (35, 37128), (36, 37134), (37, 37152), (44, 37188), (71, 37296), (74, 37308), (91, 37473), (92, 37479), (102, 37674), (105, 37695), (107, 37716), (108, 37725), (114, 37782), (116, 37824), (118, 37878), (119, 37923), (127, 37992), (129, 38028), (131, 38055), (133, 38082), (137, 38142), (140, 38175), (141, 38178), (145, 38208), (146, 38226), (154, 38367), (159, 38418), (211, 38628), (212, 38634), (213, 38640), (216, 38673), (217, 38715), (219, 38727), (221, 38745), (245, 38919), (247, 38928), (248, 38931), (249, 38934), (251, 38946), (254, 38958), (255, 38961), (260, 38976), (277, 39063), (281, 39078), (295, 39222), (297, 39234), (314, 39414), (318, 39432), (330, 39513), (334, 39549), (338, 39570), (341, 39636),

Gene: Stormageddon_11 Start: 9594, Stop: 12167, Start Num: 30
Candidate Starts for Stormageddon_11:
(28, 9585), (Start: 30 @9594 has 3 MA's), (51, 9702), (63, 9765), (68, 9783), (73, 9810), (75, 9825), (78, 9837), (92, 9987), (94, 10035), (95, 10041), (101, 10143), (105, 10197), (107, 10218), (109, 10239), (115, 10302), (120, 10416), (121, 10425), (127, 10482), (128, 10485), (129, 10518), (136, 10629), (137, 10632), (140, 10665), (145, 10698), (146, 10716), (149, 10761), (153, 10854), (154,

10857), (156, 10878), (157, 10890), (163, 10971), (165, 10983), (212, 11124), (221, 11235), (257, 11451), (305, 11772), (317, 11886), (319, 11907), (333, 12021), (335, 12033), (337, 12042), (340, 12108), (341, 12117),

Gene: Stubby_83 Start: 34297, Stop: 36900, Start Num: 24
Candidate Starts for Stubby_83:
(Start: 24 @34297 has 171 MA's), (35, 34366), (36, 34372), (37, 34390), (44, 34426), (71, 34534), (74, 34546), (91, 34711), (92, 34717), (102, 34912), (105, 34933), (107, 34954), (108, 34963), (114, 35020), (116, 35062), (118, 35116), (119, 35161), (127, 35230), (129, 35266), (131, 35293), (133, 35320), (137, 35380), (140, 35413), (141, 35416), (144, 35437), (146, 35464), (150, 35536), (154, 35605), (159, 35656), (211, 35866), (212, 35872), (213, 35878), (216, 35911), (217, 35953), (219, 35965), (221, 35983), (245, 36157), (247, 36166), (248, 36169), (249, 36172), (251, 36184), (254, 36196), (255, 36199), (260, 36214), (277, 36280), (281, 36295), (295, 36439), (297, 36451), (314, 36631), (318, 36649), (330, 36730), (334, 36766), (338, 36787), (341, 36853),

Gene: StubbySaigey_92 Start: 34536, Stop: 37160, Start Num: 24
Candidate Starts for StubbySaigey_92:
(Start: 24 @34536 has 171 MA's), (35, 34605), (36, 34611), (37, 34629), (44, 34665), (71, 34773), (74, 34785), (91, 34950), (92, 34956), (102, 35151), (105, 35172), (107, 35193), (108, 35202), (114, 35259), (116, 35301), (118, 35355), (119, 35400), (127, 35469), (129, 35505), (131, 35532), (133, 35559), (137, 35619), (140, 35652), (141, 35655), (144, 35676), (146, 35703), (150, 35775), (154, 35844), (159, 35895), (211, 36105), (212, 36111), (213, 36117), (216, 36150), (217, 36192), (219, 36204), (221, 36222), (245, 36396), (247, 36405), (248, 36408), (249, 36411), (251, 36423), (254, 36435), (255, 36438), (260, 36453), (277, 36540), (281, 36555), (295, 36699), (297, 36711), (314, 36891), (318, 36909), (330, 36990), (334, 37026), (338, 37047), (341, 37113),

Gene: Substance289_87 Start: 34718, Stop: 38146, Start Num: 1
Candidate Starts for Substance289_87:
(Start: 1 @34718 has 20 MA's), (Start: 2 @34787 has 2 MA's), (3, 34793), (4, 34811), (6, 34847), (10, 34955), (11, 34967), (13, 35090), (14, 35141), (15, 35195), (16, 35207), (17, 35228), (25, 35522), (32, 35567), (46, 35645), (55, 35681), (63, 35714), (67, 35729), (76, 35774), (78, 35783), (82, 35816), (85, 35852), (91, 35936), (92, 35942), (102, 36137), (105, 36158), (107, 36179), (108, 36188), (114, 36245), (116, 36287), (118, 36341), (119, 36386), (127, 36455), (129, 36491), (131, 36518), (133, 36545), (137, 36605), (140, 36638), (141, 36641), (145, 36671), (146, 36689), (154, 36830), (159, 36881), (211, 37091), (212, 37097), (216, 37136), (217, 37178), (219, 37190), (221, 37208), (245, 37382), (247, 37391), (248, 37394), (249, 37397), (251, 37409), (254, 37421), (255, 37424), (260, 37439), (277, 37526), (281, 37541), (295, 37685), (297, 37697), (314, 37877), (318, 37895), (330, 37976), (334, 38012), (338, 38033), (341, 38099),

Gene: Tainan_95 Start: 37633, Stop: 40257, Start Num: 24
Candidate Starts for Tainan_95:
(Start: 24 @37633 has 171 MA's), (35, 37702), (36, 37708), (37, 37726), (44, 37762), (71, 37870), (74, 37882), (91, 38047), (92, 38053), (102, 38248), (105, 38269), (107, 38290), (108, 38299), (114, 38356), (116, 38398), (118, 38452), (119, 38497), (127, 38566), (129, 38602), (131, 38629), (133, 38656), (137, 38716), (140, 38749), (141, 38752), (145, 38782), (146, 38800), (154, 38941), (159, 38992), (211, 39202), (212, 39208), (216, 39247), (217, 39289), (219, 39301), (221, 39319), (245, 39493), (247, 39502), (248, 39505), (249, 39508), (251, 39520), (254, 39532), (255, 39535), (260, 39550), (277, 39637), (281, 39652), (295, 39796), (297, 39808), (314, 39988), (318, 40006), (330, 40087), (334, 40123), (338, 40144), (341, 40210),

Gene: Teardrop_90 Start: 35307, Stop: 37931, Start Num: 24
Candidate Starts for Teardrop_90:

(Start: 24 @35307 has 171 MA's), (35, 35376), (36, 35382), (37, 35400), (44, 35436), (71, 35544), (74, 35556), (91, 35721), (92, 35727), (102, 35922), (105, 35943), (107, 35964), (108, 35973), (114, 36030), (116, 36072), (118, 36126), (119, 36171), (127, 36240), (129, 36276), (131, 36303), (133, 36330), (137, 36390), (138, 36402), (140, 36423), (141, 36426), (145, 36456), (146, 36474), (154, 36615), (159, 36666), (211, 36876), (212, 36882), (216, 36921), (217, 36963), (219, 36975), (221, 36993), (245, 37167), (247, 37176), (248, 37179), (249, 37182), (251, 37194), (254, 37206), (255, 37209), (260, 37224), (277, 37311), (281, 37326), (295, 37470), (297, 37482), (314, 37662), (318, 37680), (330, 37761), (334, 37797), (338, 37818), (341, 37884),

Gene: TinyTim_90 Start: 36243, Stop: 38867, Start Num: 24
Candidate Starts for TinyTim_90:
(Start: 24 @36243 has 171 MA's), (35, 36312), (36, 36318), (37, 36336), (44, 36372), (71, 36480), (74, 36492), (91, 36657), (92, 36663), (102, 36858), (105, 36879), (107, 36900), (108, 36909), (114, 36966), (116, 37008), (118, 37062), (119, 37107), (127, 37176), (129, 37212), (131, 37239), (133, 37266), (137, 37326), (140, 37359), (141, 37362), (145, 37392), (146, 37410), (154, 37551), (159, 37602), (211, 37812), (212, 37818), (216, 37857), (217, 37899), (219, 37911), (221, 37929), (245, 38103), (247, 38112), (248, 38115), (249, 38118), (251, 38130), (254, 38142), (255, 38145), (260, 38160), (277, 38247), (281, 38262), (295, 38406), (297, 38418), (314, 38598), (318, 38616), (330, 38697), (334, 38733), (338, 38754), (341, 38820),

Gene: Tonenili_104 Start: 40235, Stop: 42874, Start Num: 24
Candidate Starts for Tonenili_104:
(Start: 24 @40235 has 171 MA's), (35, 40304), (36, 40310), (44, 40364), (64, 40457), (71, 40487), (74, 40499), (78, 40520), (91, 40664), (92, 40670), (99, 40796), (102, 40865), (104, 40874), (108, 40916), (114, 40973), (116, 41015), (118, 41069), (119, 41114), (125, 41162), (127, 41183), (129, 41219), (131, 41246), (133, 41273), (135, 41321), (137, 41333), (140, 41366), (141, 41369), (144, 41390), (146, 41417), (150, 41489), (154, 41558), (159, 41609), (211, 41819), (212, 41825), (213, 41831), (216, 41864), (217, 41906), (219, 41918), (221, 41936), (245, 42110), (248, 42122), (251, 42137), (255, 42152), (260, 42167), (266, 42203), (277, 42257), (281, 42272), (295, 42416), (297, 42428), (318, 42623), (334, 42740), (338, 42761), (341, 42827),

Gene: Tortoise16_88 Start: 36101, Stop: 38725, Start Num: 24
Candidate Starts for Tortoise16_88:
(Start: 24 @36101 has 171 MA's), (35, 36170), (36, 36176), (37, 36194), (44, 36230), (71, 36338), (74, 36350), (91, 36515), (92, 36521), (102, 36716), (105, 36737), (107, 36758), (108, 36767), (114, 36824), (116, 36866), (118, 36920), (119, 36965), (127, 37034), (129, 37070), (131, 37097), (133, 37124), (137, 37184), (140, 37217), (141, 37220), (145, 37250), (146, 37268), (154, 37409), (159, 37460), (211, 37670), (212, 37676), (216, 37715), (217, 37757), (219, 37769), (221, 37787), (245, 37961), (247, 37970), (248, 37973), (249, 37976), (251, 37988), (254, 38000), (255, 38003), (260, 38018), (277, 38105), (281, 38120), (295, 38264), (297, 38276), (314, 38456), (318, 38474), (330, 38555), (334, 38591), (338, 38612), (341, 38678),

Gene: Trinitium_86 Start: 34296, Stop: 36899, Start Num: 24
Candidate Starts for Trinitium_86:
(Start: 24 @34296 has 171 MA's), (35, 34365), (36, 34371), (37, 34389), (44, 34425), (71, 34533), (74, 34545), (91, 34710), (92, 34716), (102, 34911), (105, 34932), (107, 34953), (108, 34962), (114, 35019), (116, 35061), (118, 35115), (119, 35160), (127, 35229), (129, 35265), (131, 35292), (133, 35319), (137, 35379), (140, 35412), (141, 35415), (144, 35436), (146, 35463), (150, 35535), (154, 35604), (159, 35655), (211, 35865), (212, 35871), (213, 35877), (216, 35910), (217, 35952), (219, 35964), (221, 35982), (245, 36156), (247, 36165), (248, 36168), (249, 36171), (251, 36183), (254, 36195), (255, 36198), (260, 36213), (277, 36279), (281, 36294), (295, 36438), (297, 36450), (314, 36630), (318, 36648), (330, 36729), (334, 36765), (338, 36786), (341, 36852),

Gene: Turret_85 Start: 33962, Stop: 36565, Start Num: 24
Candidate Starts for Turret_85:
(Start: 24 @33962 has 171 MA's), (35, 34031), (36, 34037), (37, 34055), (44, 34091), (71, 34199), (74, 34211), (91, 34376), (92, 34382), (102, 34577), (105, 34598), (107, 34619), (108, 34628), (114, 34685), (116, 34727), (118, 34781), (119, 34826), (127, 34895), (129, 34931), (131, 34958), (133, 34985), (137, 35045), (140, 35078), (141, 35081), (144, 35102), (146, 35129), (150, 35201), (154, 35270), (159, 35321), (211, 35531), (212, 35537), (213, 35543), (216, 35576), (217, 35618), (219, 35630), (221, 35648), (245, 35822), (247, 35831), (248, 35834), (249, 35837), (251, 35849), (254, 35861), (255, 35864), (260, 35879), (277, 35945), (281, 35960), (295, 36104), (297, 36116), (314, 36296), (318, 36314), (330, 36395), (334, 36431), (338, 36452), (341, 36518),

Gene: Tyke_92 Start: 37005, Stop: 40433, Start Num: 1
Candidate Starts for Tyke_92:
(Start: 1 @37005 has 20 MA's), (Start: 2 @37074 has 2 MA's), (3, 37080), (4, 37098), (6, 37134), (10, 37242), (11, 37254), (13, 37377), (14, 37428), (15, 37482), (16, 37494), (17, 37515), (25, 37809), (32, 37854), (46, 37932), (55, 37968), (63, 38001), (67, 38016), (76, 38061), (78, 38070), (82, 38103), (85, 38139), (91, 38223), (92, 38229), (102, 38424), (105, 38445), (107, 38466), (108, 38475), (114, 38532), (116, 38574), (118, 38628), (119, 38673), (127, 38742), (129, 38778), (131, 38805), (133, 38832), (137, 38892), (140, 38925), (141, 38928), (145, 38958), (146, 38976), (154, 39117), (159, 39168), (211, 39378), (212, 39384), (216, 39423), (217, 39465), (219, 39477), (221, 39495), (245, 39669), (247, 39678), (248, 39681), (249, 39684), (251, 39696), (254, 39708), (255, 39711), (260, 39726), (277, 39813), (281, 39828), (295, 39972), (297, 39984), (314, 40164), (318, 40182), (330, 40263), (334, 40299), (338, 40320), (341, 40386),

Gene: ValleyTerrace_90 Start: 35248, Stop: 37872, Start Num: 24
Candidate Starts for ValleyTerrace_90:
(Start: 24 @35248 has 171 MA's), (35, 35317), (36, 35323), (37, 35341), (44, 35377), (71, 35485), (74, 35497), (91, 35662), (92, 35668), (102, 35863), (105, 35884), (107, 35905), (108, 35914), (114, 35971), (116, 36013), (118, 36067), (119, 36112), (127, 36181), (129, 36217), (131, 36244), (133, 36271), (137, 36331), (140, 36364), (141, 36367), (145, 36397), (146, 36415), (154, 36556), (159, 36607), (211, 36817), (212, 36823), (216, 36862), (217, 36904), (219, 36916), (221, 36934), (245, 37108), (247, 37117), (248, 37120), (249, 37123), (251, 37135), (254, 37147), (255, 37150), (260, 37165), (277, 37252), (281, 37267), (295, 37411), (297, 37423), (314, 37603), (318, 37621), (330, 37702), (334, 37738), (338, 37759), (341, 37825),

Gene: Vortrix_105 Start: 39641, Stop: 42280, Start Num: 24
Candidate Starts for Vortrix_105:
(Start: 24 @39641 has 171 MA's), (35, 39710), (36, 39716), (44, 39770), (64, 39863), (71, 39893), (74, 39905), (78, 39926), (91, 40070), (92, 40076), (99, 40202), (102, 40271), (104, 40280), (108, 40322), (114, 40379), (116, 40421), (118, 40475), (119, 40520), (125, 40568), (127, 40589), (129, 40625), (131, 40652), (133, 40679), (135, 40727), (137, 40739), (140, 40772), (141, 40775), (144, 40796), (146, 40823), (150, 40895), (154, 40964), (159, 41015), (211, 41225), (212, 41231), (213, 41237), (216, 41270), (217, 41312), (219, 41324), (221, 41342), (245, 41516), (248, 41528), (251, 41543), (255, 41558), (260, 41573), (266, 41609), (277, 41663), (281, 41678), (295, 41822), (297, 41834), (318, 42029), (334, 42146), (338, 42167), (341, 42233),

Gene: Wally_89 Start: 34798, Stop: 37422, Start Num: 24
Candidate Starts for Wally_89:
(Start: 24 @34798 has 171 MA's), (35, 34867), (36, 34873), (37, 34891), (44, 34927), (71, 35035), (74, 35047), (91, 35212), (92, 35218), (102, 35413), (105, 35434), (107, 35455), (108, 35464), (114, 35521), (116, 35563), (118, 35617), (119, 35662), (127, 35731), (129, 35767), (131, 35794), (133, 35821), (137, 35881), (140, 35914), (141, 35917), (144, 35938), (146, 35965), (150, 36037), (154, 36106), (159, 36157), (211, 36367), (212, 36373), (216, 36412), (217, 36454), (219, 36466), (221,

36484), (245, 36658), (247, 36667), (248, 36670), (249, 36673), (251, 36685), (254, 36697), (255, 36700), (260, 36715), (277, 36802), (281, 36817), (295, 36961), (297, 36973), (314, 37153), (318, 37171), (330, 37252), (334, 37288), (338, 37309), (341, 37375),

Gene: Willis_91 Start: 36138, Stop: 38762, Start Num: 24
Candidate Starts for Willis_91:
(Start: 24 @36138 has 171 MA's), (35, 36207), (36, 36213), (37, 36231), (44, 36267), (71, 36375), (74, 36387), (91, 36552), (92, 36558), (102, 36753), (105, 36774), (107, 36795), (108, 36804), (114, 36861), (116, 36903), (118, 36957), (119, 37002), (127, 37071), (129, 37107), (131, 37134), (133, 37161), (137, 37221), (140, 37254), (141, 37257), (145, 37287), (146, 37305), (154, 37446), (159, 37497), (211, 37707), (212, 37713), (216, 37752), (217, 37794), (219, 37806), (221, 37824), (245, 37998), (247, 38007), (248, 38010), (249, 38013), (251, 38025), (254, 38037), (255, 38040), (260, 38055), (277, 38142), (281, 38157), (295, 38301), (297, 38313), (314, 38493), (318, 38511), (330, 38592), (334, 38628), (338, 38649), (341, 38715),

Gene: Yassified_86 Start: 34529, Stop: 37132, Start Num: 24
Candidate Starts for Yassified_86:
(Start: 24 @34529 has 171 MA's), (35, 34598), (36, 34604), (37, 34622), (44, 34658), (71, 34766), (74, 34778), (91, 34943), (92, 34949), (102, 35144), (105, 35165), (107, 35186), (108, 35195), (114, 35252), (116, 35294), (118, 35348), (119, 35393), (127, 35462), (129, 35498), (131, 35525), (133, 35552), (137, 35612), (140, 35645), (141, 35648), (145, 35678), (146, 35696), (154, 35837), (159, 35888), (211, 36098), (212, 36104), (216, 36143), (217, 36185), (219, 36197), (221, 36215), (245, 36389), (247, 36398), (248, 36401), (249, 36404), (251, 36416), (254, 36428), (255, 36431), (260, 36446), (277, 36512), (281, 36527), (295, 36671), (297, 36683), (314, 36863), (318, 36881), (330, 36962), (334, 36998), (338, 37019), (341, 37085),

Gene: YemiJoy2021_91 Start: 36240, Stop: 38864, Start Num: 24
Candidate Starts for YemiJoy2021_91:
(Start: 24 @36240 has 171 MA's), (35, 36309), (36, 36315), (37, 36333), (44, 36369), (71, 36477), (74, 36489), (91, 36654), (92, 36660), (102, 36855), (105, 36876), (107, 36897), (108, 36906), (114, 36963), (116, 37005), (118, 37059), (119, 37104), (127, 37173), (129, 37209), (131, 37236), (133, 37263), (137, 37323), (140, 37356), (141, 37359), (145, 37389), (146, 37407), (154, 37548), (159, 37599), (211, 37809), (212, 37815), (216, 37854), (217, 37896), (219, 37908), (221, 37926), (245, 38100), (247, 38109), (248, 38112), (249, 38115), (251, 38127), (254, 38139), (255, 38142), (260, 38157), (277, 38244), (281, 38259), (295, 38403), (297, 38415), (314, 38595), (318, 38613), (330, 38694), (334, 38730), (338, 38751), (341, 38817),

Gene: YoungMoneyMata_90 Start: 34999, Stop: 37623, Start Num: 24
Candidate Starts for YoungMoneyMata_90:
(Start: 24 @34999 has 171 MA's), (35, 35068), (36, 35074), (37, 35092), (44, 35128), (71, 35236), (74, 35248), (91, 35413), (92, 35419), (102, 35614), (105, 35635), (107, 35656), (108, 35665), (114, 35722), (116, 35764), (118, 35818), (119, 35863), (127, 35932), (129, 35968), (131, 35995), (133, 36022), (137, 36082), (140, 36115), (141, 36118), (145, 36148), (146, 36166), (154, 36307), (159, 36358), (211, 36568), (212, 36574), (216, 36613), (217, 36655), (219, 36667), (221, 36685), (245, 36859), (247, 36868), (248, 36871), (249, 36874), (251, 36886), (254, 36898), (255, 36901), (260, 36916), (277, 37003), (281, 37018), (295, 37162), (297, 37174), (314, 37354), (318, 37372), (330, 37453), (334, 37489), (338, 37510), (341, 37576),

Gene: Yucca_90 Start: 36162, Stop: 38786, Start Num: 24
Candidate Starts for Yucca_90:
(Start: 24 @36162 has 171 MA's), (35, 36231), (36, 36237), (37, 36255), (44, 36291), (71, 36399), (74, 36411), (91, 36576), (92, 36582), (102, 36777), (105, 36798), (107, 36819), (108, 36828), (114, 36885), (116, 36927), (118, 36981), (119, 37026), (127, 37095), (129, 37131), (131, 37158), (133,

37185), (137, 37245), (140, 37278), (141, 37281), (145, 37311), (146, 37329), (154, 37470), (159, 37521), (211, 37731), (212, 37737), (216, 37776), (217, 37818), (219, 37830), (221, 37848), (245, 38022), (247, 38031), (248, 38034), (249, 38037), (251, 38049), (254, 38061), (255, 38064), (260, 38079), (277, 38166), (281, 38181), (295, 38325), (297, 38337), (314, 38517), (318, 38535), (330, 38616), (334, 38652), (338, 38673), (341, 38739),

Gene: Zalkecks_91 Start: 35928, Stop: 38552, Start Num: 24
Candidate Starts for Zalkecks_91:
(Start: 24 @35928 has 171 MA's), (35, 35997), (36, 36003), (37, 36021), (44, 36057), (71, 36165), (74, 36177), (91, 36342), (92, 36348), (102, 36543), (105, 36564), (107, 36585), (108, 36594), (114, 36651), (116, 36693), (118, 36747), (119, 36792), (127, 36861), (129, 36897), (131, 36924), (133, 36951), (137, 37011), (140, 37044), (141, 37047), (145, 37077), (146, 37095), (154, 37236), (159, 37287), (211, 37497), (212, 37503), (216, 37542), (217, 37584), (219, 37596), (221, 37614), (245, 37788), (247, 37797), (248, 37800), (249, 37803), (251, 37815), (254, 37827), (255, 37830), (260, 37845), (277, 37932), (281, 37947), (295, 38091), (297, 38103), (314, 38283), (318, 38301), (330, 38382), (334, 38418), (338, 38439), (341, 38505),

Gene: Zeenon_92 Start: 35855, Stop: 38479, Start Num: 24
Candidate Starts for Zeenon_92:
(Start: 24 @35855 has 171 MA's), (35, 35924), (36, 35930), (37, 35948), (44, 35984), (71, 36092), (74, 36104), (91, 36269), (92, 36275), (102, 36470), (105, 36491), (107, 36512), (108, 36521), (114, 36578), (116, 36620), (118, 36674), (119, 36719), (127, 36788), (129, 36824), (131, 36851), (133, 36878), (137, 36938), (140, 36971), (141, 36974), (145, 37004), (146, 37022), (154, 37163), (159, 37214), (211, 37424), (212, 37430), (216, 37469), (217, 37511), (219, 37523), (221, 37541), (245, 37715), (247, 37724), (248, 37727), (249, 37730), (251, 37742), (254, 37754), (255, 37757), (260, 37772), (277, 37859), (281, 37874), (295, 38018), (297, 38030), (314, 38210), (318, 38228), (330, 38309), (334, 38345), (338, 38366), (341, 38432),

Gene: ZygoTaiga_89 Start: 36244, Stop: 38868, Start Num: 24
Candidate Starts for ZygoTaiga_89:
(Start: 24 @36244 has 171 MA's), (35, 36313), (36, 36319), (37, 36337), (44, 36373), (71, 36481), (74, 36493), (91, 36658), (92, 36664), (102, 36859), (105, 36880), (107, 36901), (108, 36910), (114, 36967), (116, 37009), (118, 37063), (119, 37108), (127, 37177), (129, 37213), (131, 37240), (133, 37267), (137, 37327), (140, 37360), (141, 37363), (145, 37393), (146, 37411), (154, 37552), (159, 37603), (211, 37813), (212, 37819), (216, 37858), (217, 37900), (219, 37912), (221, 37930), (245, 38104), (247, 38113), (248, 38116), (249, 38119), (251, 38131), (254, 38143), (255, 38146), (260, 38161), (277, 38248), (281, 38263), (295, 38407), (297, 38419), (314, 38599), (318, 38617), (330, 38698), (334, 38734), (338, 38755), (341, 38821),