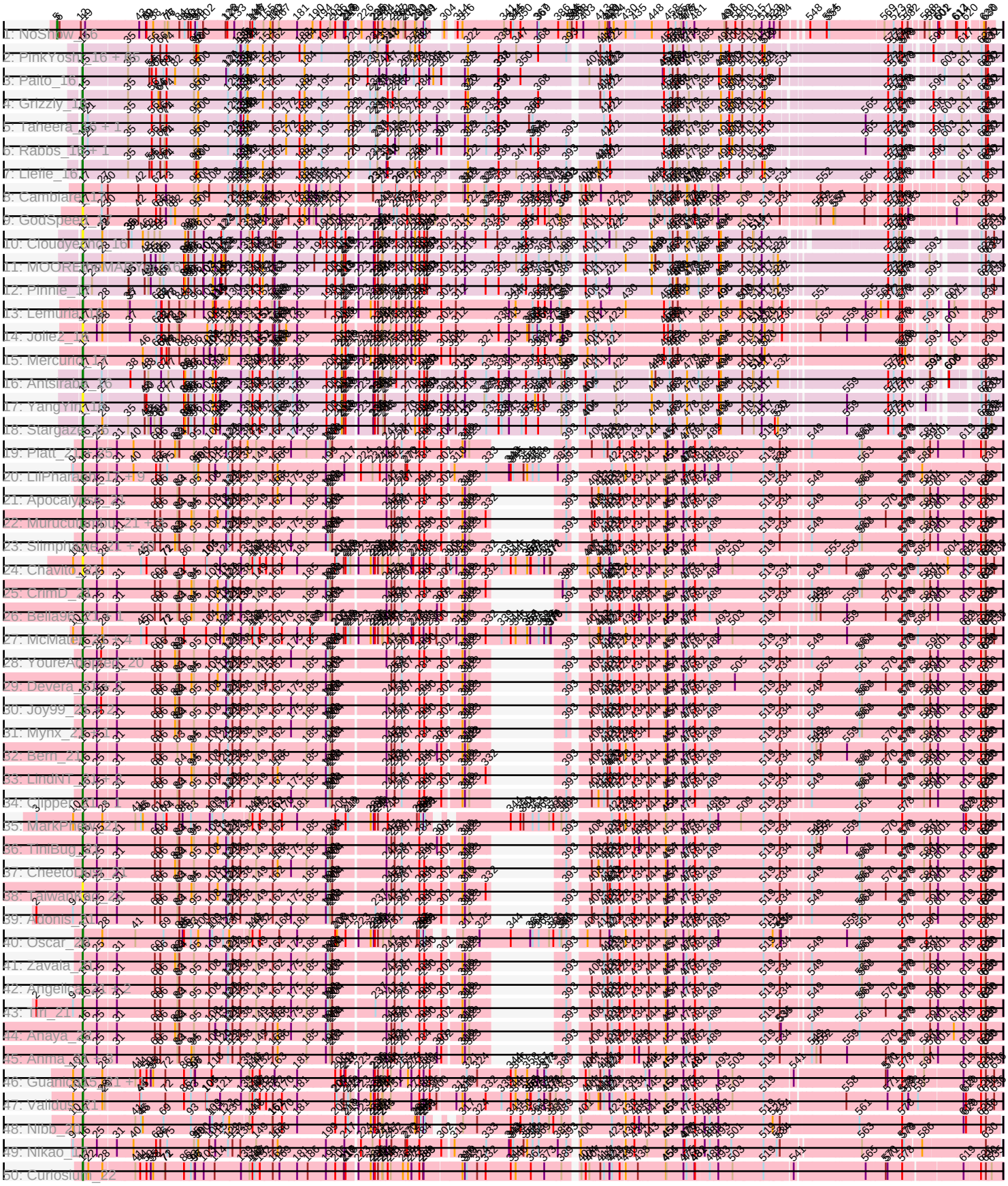
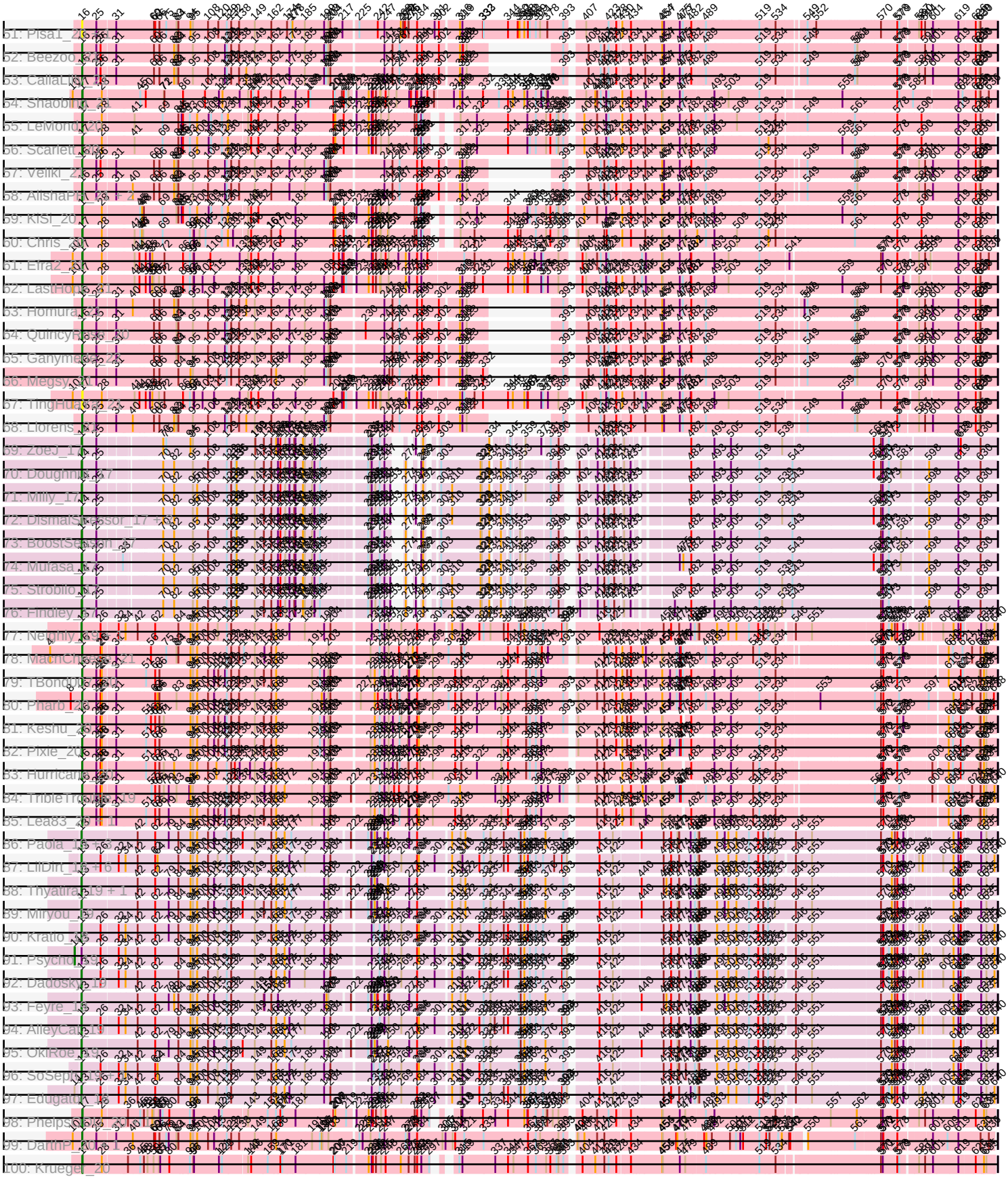
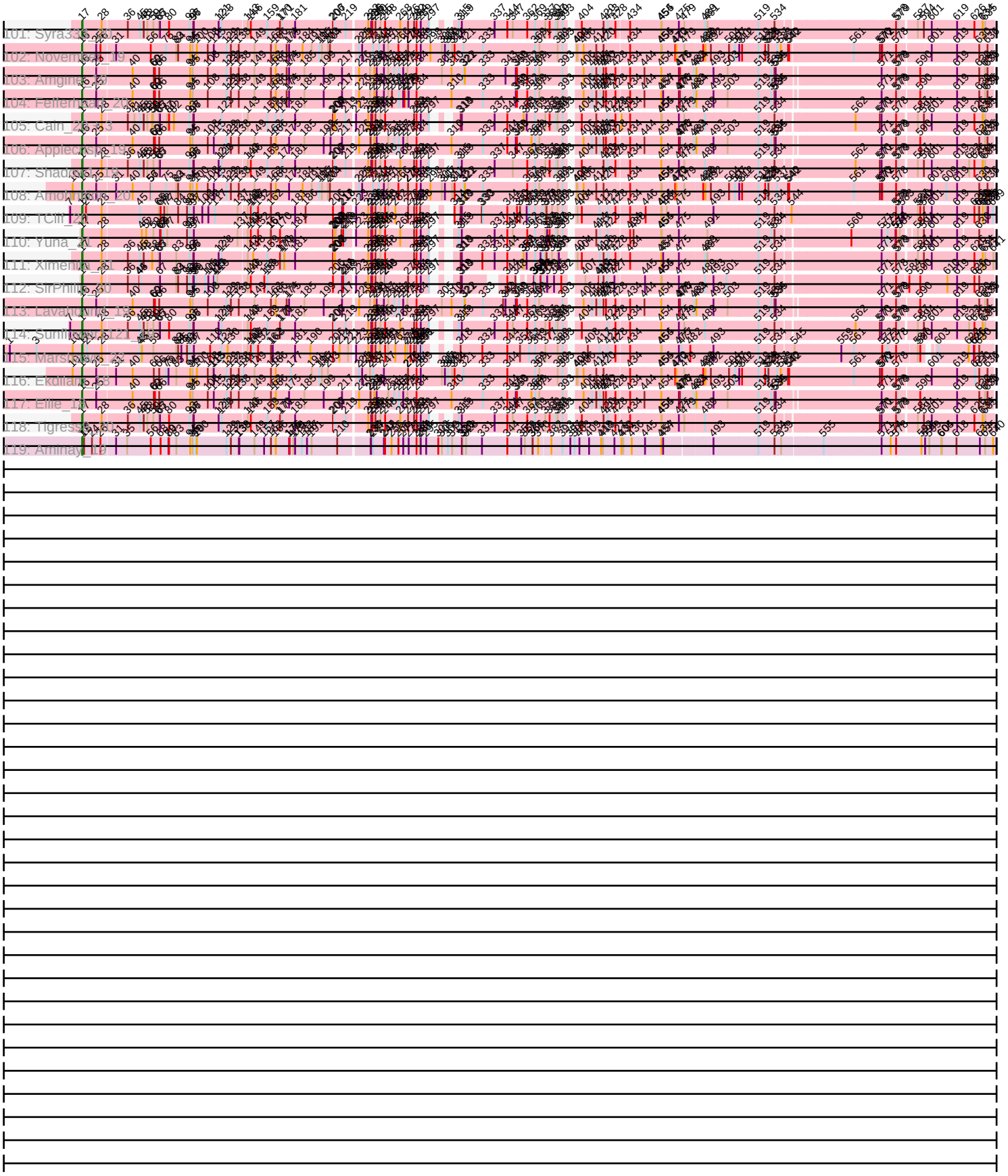
Pham 304671



Pham 304671



Pham 304671



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 304671 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304671 has 275 members, 25 are drafts.

Phages represented in each track:
• Track 1 : NoShow_16
• Track 2 : PinkYoshi_16, Darionha_16, CLED96_16, Frosty24_16, ShaboiShabazz_16, Crespo_16, Jeilious_16, DingDing_16, LouisV14_16, Jolene_16, Rattrick_16, Periodt_16, AizenPogi_16, BQuat_16, Jane_16, Zombie_16, CassieYates_16, Camri_16, Angel_16, Halo_16, OctaviousRex_16, DMoney_16, ECartman_16, Barkley26_16, Kasen3_16, Richarlison_16, Wendigo_16, Remy19_16, Gomashi_16, BPs_16, ZoMa_16, Gideon_16, Peeb_16, Jonghyun_16, JorRay_16, Sweets_16, Phloodle_16, Neoh_16, Cherrybomb426_16, Sizemore_16, Schiebel_16, Plagueis_16, Phreak_16, Olga_16, Aroostook_16, Ruriko_16, Phish_16, Hope_16, MZKinsey_16, Coleslaw_16, DNAIII_0016, Hotshotbaby7_16, Mowgli_16, Avrafan_16, Chance64_16, BruceB_16, TinaBug_16, Marmie_16, Cedasite_16, Maliketh_16, TomBrady_16, Renaissance_16, GoldenAsh_16, Annihilator_16, Kareem_16, AzulaCat_16
• Track 3 : Paito_16
• Track 4 : Grizzly_16
• Track 5 : Taheera_16, Terror_16
• Track 6 : Rabbs_16, Sneeze_16
• Track 7 : Liefie_16
• Track 8 : Cambiare_17
• Track 9 : GodSpeed_17
• Track 10 : Cloudyecho_16
• Track 11 : MOOREtheMARYer_16
• Track 12 : Pinnie_17
• Track 13 : Lemuria_16
• Track 14 : Jolie2_16
• Track 15 : Mercurio_17
• Track 16 : Antsirabe_16
• Track 17 : YangYin_16
• Track 18 : Stargaze_16
• Track 19 : Piatt_21, Durfee_21, BaghaKamala_21, JAWS_21, Boiiii_21, Peel_21, Blizzard_21, Topper_21, Inky_21, Asayake_21, BGlluviae_21, Capricorn_21, Jeckyll_21, CREW_21, Padfoot_21, Rosmarinus_21, Twitch_21, BEEST_21, BarrelRoll_21, Hyperbowlee_21, Jarvi_21, Spock_21, ShiaSurprise_21, Dalmuri_21, Lunahalos_21, CaseJules_21
• Track 20 : LilPharaoh_17, Mdavu_17, Nutello_17, Amelie_17, Teejan_17, SgtBeansprout_17, Enkosi_17, Trice_17, Torres_17, Biglebops_17
• Track 21 : Apocalypse_21

• Track 22 : Murucutumbu_21, Ageofdapage_21, Stinson_21, LaterM_21
• Track 23 : Slimphazie_21, Jayhawk_21, HedwigODU_21, ActinUp_21, Tachez_21, Zabiza_21, Atiba_21, Ramen_21, Adephagia_21, TruffulaTree_21, Rapunzel97_21
• Track 24 : Chavito_21
• Track 25 : CrimD_21
• Track 26 : Bella96_21, DartGoblin_21
• Track 27 : McMater_21, Peanam_21, Niklas_21, Dartin_21, Richo_21
• Track 28 : YoureAdopted_20
• Track 29 : Devera_21, Dole_21, Illumine_21
• Track 30 : Joy99_21, Geraldini_21, MeaningOfLife_21
• Track 31 : Mynx_21, Pokerus_20
• Track 32 : Bern_21
• Track 33 : LindNT_21, TreyKay_21, Prithvi_21
• Track 34 : Clipper_21, MacKat_21
• Track 35 : MarkPhew_21
• Track 36 : TiniBug_21
• Track 37 : CheetoDust_21
• Track 38 : TaiwanKao_22
• Track 39 : Adonis_21
• Track 40 : Oscar_20
• Track 41 : Zavala_21
• Track 42 : Angelica_21, Deby_21, Sulley_21
• Track 43 : Tiri_21
• Track 44 : Anaya_22
• Track 45 : Anma_21, SamuelLPlaqson_21, DrHayes_21, Urkel_21
• Track 46 : Guanica15_21, Yunkel11_21
• Track 47 : Validus_21
• Track 48 : Nibb_20
• Track 49 : Nikao_17
• Track 50 : Curiosium_22
• Track 51 : Pisa1_20, Pisa4_20
• Track 52 : Beezoo_21
• Track 53 : CallaLilly_21
• Track 54 : Shaobing_21
• Track 55 : LeMond_20
• Track 56 : Scarlett_20
• Track 57 : Veliki_21
• Track 58 : AlishaPH_21, Emerson_21, Padpat_21
• Track 59 : KiSi_20
• Track 60 : Chris_20
• Track 61 : Efra2_21
• Track 62 : LastHope_21
• Track 63 : Homura_21
• Track 64 : QuincyRose_20
• Track 65 : Ganymede_22
• Track 66 : Megsy_21
• Track 67 : TingHuaYa_21
• Track 68 : Llorens_21
• Track 69 : ZoeJ_17
• Track 70 : Doughnut_17
• Track 71 : Milly_17
• Track 72 : DismalStressor_17, DismalFunk_17, Marcoliusprime_17
• Track 73 : BoostSeason_17

• Track 74 : Mufasa_17
• Track 75 : Strobilo_17
• Track 76 : Findley_17
• Track 77 : Neighly_19, Larva_19
• Track 78 : MacnCheese_21
• Track 79 : TBond007_20
• Track 80 : Pharb_20
• Track 81 : Keshu_20
• Track 82 : Pixie_20
• Track 83 : Hurricane_20
• Track 84 : TribleTrouble_19
• Track 85 : Lea83_20, ShedlockHolmes_20
• Track 86 : Paola_19, Gengar_19, Guillsminger_19, Leston_19
• Track 87 : LilDirt_18, Collard_19, InvictusManeo_19, ViviJ_18, DoubleChamp_19, Agent47_19, BananenDer11_19
• Track 88 : Thyatira_19, Waterfoul_19
• Track 89 : Miryou_19
• Track 90 : Kratio_18
• Track 91 : Psycho_19
• Track 92 : Dadosky_19
• Track 93 : Feyre_19
• Track 94 : AlleyCat_19
• Track 95 : OkiRoe_19
• Track 96 : SoSeph_19, Heftyboy_19
• Track 97 : Edugator_18
• Track 98 : PhelpsODU_20, Unicorn_20
• Track 99 : DarthP_20, Hammy_20
• Track 100 : Krueger_20
• Track 101 : Syra333_20
• Track 102 : November_19
• Track 103 : Amgine_19
• Track 104 : Fefferhead_20
• Track 105 : Cain_20, Tierra_20, Bryler_20, Phrank_20
• Track 106 : Applecrisp_19
• Track 107 : Shadow1_19
• Track 108 : Amohnition_20
• Track 109 : TClif_20
• Track 110 : Yuna_21
• Track 111 : Ximenita_21
• Track 112 : SirPhilip_20
• Track 113 : Lavahound_19
• Track 114 : Sunflower1121_19
• Track 115 : Marshawn_22
• Track 116 : Ekdilam_18
• Track 117 : Ellie_18
• Track 118 : Tigress9_20
• Track 119 : Aminay_19

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

The start number called the most often in the published annotations is 16, it was called in 111 of the 250 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_21, Adephagia_21, Adonis_21, Ageofdapage_21, AlishaPH_21, Amelie_17, Amgine_19, Amohnition_20, Anaya_22, Angelica_21, Anma_21, Apocalypse_21, Applecrisp_19, Asayake_21, Atiba_21, BEEST_21, BGlluviae_21, BaghaKamala_21, BarrelRoll_21, Beezoo_21, Bella96_21, Bern_21, Biglebops_17, Blizzard_21, Boiiii_21, CREW_21, CallaLilly_21, Capricorn_21, CaseJules_21, CheetoDust_21, Clipper_21, CrimD_21, Dalmuri_21, DartGoblin_21, DarthP_20, Deby_21, Devera_21, Dole_21, DrHayes_21, Durfee_21, Ekdilam_18, Ellie_18, Emerson_21, Enkosi_17, Fefferhead_20, Ganymede_22, Geraldini_21, Hammy_20, HedwigODU_21, Homura_21, Hurricane_20, Hyperbowlee_21, Illumine_21, Inky_21, JAWS_21, Jarvi_21, Jayhawk_21, Jeckyll_21, Joy99_21, Keshu_20, LaterM_21, Lavahound_19, Lea83_20, LilPharaoh_17, LindNT_21, Llorens_21, Lunahalos_21, MacKat_21, MacnCheese_21, Mdavu_17, MeaningOfLife_21, Megsy_21, Murucutumbu_21, Mynx_21, Nikao_17, November_19, Nutello_17, Padfoot_21, Padpat_21, Peel_21, Pharb_20, Piatt_21, Pisa1_20, Pisa4_20, Pixie_20, Pokerus_20, Prithvi_21, QuincyRose_20, Ramen_21, Rapunzel97_21, Rosmarinus_21, SamuelLPlaqson_21, SgtBeansprout_17, ShedlockHolmes_20, ShiaSurprise_21, Slimphazie_21, Spock_21, Stinson_21, Sulley_21, TBond007_20, Tachez_21, TaiwanKao_22, Teejan_17, TiniBug_21, Tiri_21, Topper_21, Torres_17, TreyKay_21, TribleTrouble_19, Trice_17, TruffulaTree_21, Twitch_21, Urkel_21, Veliki_21, YoureAdopted_20, Zabiza_21, Zavala_21,

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

Genes that do not have the "Most Annotated" start:
• Agent47_19, AizenPogi_16, AlleyCat_19, Aminay_19, Angel_16, Annihilator_16, Antsirabe_16, Aroostook_16, Avrafan_16, AzulaCat_16, BPs_16, BQuat_16, BananenDer11_19, Barkley26_16, BoostSeason_17, BruceB_16, Bryler_20, CLED96_16, Cain_20, Cambiare_17, Camri_16, CassieYates_16, Cedasite_16, Chance64_16, Chavito_21, Cherrybomb426_16, Chris_20, Cloudyecho_16, Coleslaw_16, Collard_19, Crespo_16, Curiosium_22, DMoney_16, DNAIII_0016, Dadosky_19, Darionha_16, Dartin_21, DingDing_16, DismalFunk_17, DismalStressor_17, DoubleChamp_19, Doughnut_17, ECartman_16, Edugator_18, Efra2_21, Feyre_19, Findley_17, Frosty24_16, Gengar_19, Gideon_16, GodSpeed_17, GoldenAsh_16, Gomashi_16, Grizzly_16, Guanica15_21, Guillsminger_19, Halo_16, Heftyboy_19, Hope_16, Hotshotbaby7_16, InvictusManeo_19, Jane_16, Jeilious_16, Jolene_16, Jolie2_16, Jonghyun_16, JorRay_16, Kareem_16, Kasen3_16, KiSi_20, Kratio_18, Krueger_20, Larva_19, LastHope_21, LeMond_20, Lemuria_16, Leston_19, Liefie_16, LilDirt_18, LouisV14_16, MOOREtheMARYer_16, MZKinsey_16, Maliketh_16, Marcoliusprime_17, MarkPhew_21, Marmie_16, Marshawn_22, McMater_21, Mercurio_17, Milly_17, Miryou_19, Mowgli_16, Mufasa_17, Neighly_19, Neoh_16, Nibb_20, Niklas_21, NoShow_16, OctaviousRex_16, OkiRoe_19, Olga_16, Oscar_20, Paito_16, Paola_19, Peanam_21, Peeb_16, Periodt_16, PhelpsODU_20, Phish_16, Phloodle_16, Phrank_20, Phreak_16, PinkYoshi_16, Pinnie_17, Plagueis_16, Psycho_19, Rabbs_16, Rattrick_16, Remy19_16, Renaissance_16, Richarlison_16, Richo_21, Ruriko_16, Scarlett_20, Schiebel_16, ShaboiShabazz_16, Shadow1_19, Shaobing_21, SirPhilip_20, Sizemore_16, Sneeze_16, SoSeph_19, Stargaze_16, Strobilo_17, Sunflower1121_19, Sweets_16, Syra333_20, TClif_20,

Taheera_16, Terror_16, Thyatira_19, Tierra_20, Tigress9_20, TinaBug_16, TingHuaYa_21, TomBrady_16, Unicorn_20, Validus_21, ViviJ_18, Waterfoul_19, Wendigo_16, Ximenita_21, YangYin_16, Yuna_21, Yunkel11_21, ZoMa_16, ZoeJ_17, Zombie_16,

Summary by start number:

Start 5:
• Found in 1 of 275 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 250
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NoShow_16 (AB),

Start 11:
• Found in 2 of 275 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 250
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Psycho_19 (K5),

Start 13:
• Found in 25 of 275 (9.1%) of genes in pham
• Manual Annotations of this start: 22 of 250
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Agent47_19 (K5), AlleyCat_19 (K5), BananenDer11_19 (K5), Collard_19 (K5), Dadosky_19 (K5), DoubleChamp_19 (K5), Edugator_18 (K5), Feyre_19 (K5), Gengar_19 (K5), Guillsminger_19 (K5), Heftyboy_19 (K5), InvictusManeo_19 (K5), Kratio_18 (K5), Larva_19 (K5), Leston_19 (K5), LilDirt_18 (K5), Miryou_19 (K5), Neighly_19 (K3), OkiRoe_19 (K5), Paola_19 (K5), SoSeph_19 (K5), Thyatira_19 (K5), ViviJ_18 (K5), Waterfoul_19 (K5),

Start 14:
• Found in 10 of 275 (3.6%) of genes in pham
• Manual Annotations of this start: 10 of 250
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BoostSeason_17 (K2), DismalFunk_17 (K2), DismalStressor_17 (K2), Doughnut_17 (K2), Findley_17 (K2), Marcoliusprime_17 (K2), Milly_17 (K2), Mufasa_17 (K2), Strobilo_17 (K2), ZoeJ_17 (K2),

Start 15:
• Found in 73 of 275 (26.5%) of genes in pham
• Manual Annotations of this start: 65 of 250
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_16 (G1), Angel_16 (G1), Annihilator_16 (G1), Aroostook_16 (G1), Avrafan_16 (G1), AzulaCat_16 (G1), BPs_16 (G1), BQuat_16 (G1), Barkley26_16 (G1), BruceB_16 (G1), CLED96_16 (G1), Camri_16 (G1), CassieYates_16 (G1), Cedasite_16 (G1), Chance64_16 (G1), Cherrybomb426_16 (G1), Coleslaw_16 (G1), Crespo_16 (G1), DMoney_16 (G1), DNAIII_0016 (G1), Darionha_16 (G1), DingDing_16 (G1), ECartman_16 (G1), Frosty24_16 (G1), Gideon_16 (G1), GoldenAsh_16 (G1), Gomashi_16 (G1), Grizzly_16 (G1), Halo_16 (G1), Hope_16 (G1), Hotshotbaby7_16 (G1), Jane_16 (G1), Jeilious_16 (G), Jolene_16 (G1), Jonghyun_16 (G1), JorRay_16 (G1), Kareem_16 (G1), Kasen3_16 (G1), Liefie_16 (G1), LouisV14_16 (G1), MZKinsey_16 (G1),

Maliketh_16 (G1), Marmie_16 (G1), Mowgli_16 (G1), Neoh_16 (G), OctaviousRex_16 (G1), Olga_16 (G1), Paito_16 (G1), Peeb_16 (G1), Periodt_16 (G1), Phish_16 (G1), Phloodle_16 (G1), Phreak_16 (G1), PinkYoshi_16 (G1), Plagueis_16 (G1), Rabbs_16 (G1), Rattrick_16 (G1), Remy19_16 (G1), Renaissance_16 (G1), Richarlison_16 (G1), Ruriko_16 (G1), Schiebel_16 (G1), ShaboiShabazz_16 (G1), Sizemore_16 (G1), Sneeze_16 (G1), Sweets_16 (G1), Taheera_16 (G1), Terror_16 (G1), TinaBug_16 (G1), TomBrady_16 (G1), Wendigo_16 (G1), ZoMa_16 (G1), Zombie_16 (G1),

Start 16:
• Found in 117 of 275 (42.5%) of genes in pham
• Manual Annotations of this start: 111 of 250
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ActinUp_21 (K1), Adephagia_21 (K1), Adonis_21 (K1), Ageofdapage_21 (K1), AlishaPH_21 (K1), Amelie_17 (K1), Amgine_19 (K6), Amohnition_20 (K6), Anaya_22 (K1), Angelica_21 (K1), Anma_21 (K1), Apocalypse_21 (K1), Applecrisp_19 (K6), Asayake_21 (K1), Atiba_21 (K1), BEEST_21 (K1), BGlluviae_21 (K1), BaghaKamala_21 (K1), BarrelRoll_21 (K1), Beezoo_21 (K1), Bella96_21 (K1), Bern_21 (K1), Biglebops_17 (K1), Blizzard_21 (K1), Boiiii_21 (K1), CREW_21 (K1), CallaLilly_21 (K1), Capricorn_21 (K1), CaseJules_21 (K1), CheetoDust_21 (K1), Clipper_21 (K1), CrimD_21 (K1), Dalmuri_21 (K1), DartGoblin_21 (K1), DarthP_20 (K6), Deby_21 (K1), Devera_21 (K1), Dole_21 (K1), DrHayes_21 (K1), Durfee_21 (K1), Ekdilam_18 (K6), Ellie_18 (K6), Emerson_21 (K1), Enkosi_17 (K1), Fefferhead_20 (K6), Ganymede_22 (K1), Geraldini_21 (K1), Hammy_20 (K6), HedwigODU_21 (K1), Homura_21 (K1), Hurricane_20 (K3), Hyperbowlee_21 (K1), Illumine_21 (K1), Inky_21 (K1), JAWS_21 (K1), Jarvi_21 (K1), Jayhawk_21 (K1), Jeckyll_21 (K1), Joy99_21 (K1), Keshu_20 (K3), LaterM_21 (K1), Lavahound_19 (K6), Lea83_20 (K3), LilPharaoh_17 (K1), LindNT_21 (K1), Llorens_21 (K1), Lunahalos_21 (K1), MacKat_21 (K1), MacnCheese_21 (K3), Mdavu_17 (K1), MeaningOfLife_21 (K1), Megsy_21 (K1), Murucutumbu_21 (K1), Mynx_21 (K1), Nikao_17 (K1), November_19 (K6), Nutello_17 (K1), Padfoot_21 (K1), Padpat_21 (K1), Peel_21 (K1), Pharb_20 (K3), Piatt_21 (K1), Pisa1_20 (K1), Pisa4_20 (K1), Pixie_20 (K3), Pokerus_20 (K1), Prithvi_21 (K1), QuincyRose_20 (K1), Ramen_21 (K1), Rapunzel97_21 (K1), Rosmarinus_21 (K1), SamuelLPlaqson_21 (K1), SgtBeansprout_17 (K1), ShedlockHolmes_20 (K3), ShiaSurprise_21 (K1), Slimphazie_21 (K1), Spock_21 (K1), Stinson_21 (K1), Sulley_21 (K1), TBond007_20 (K3), Tachez_21 (K1), TaiwanKao_22 (K1), Teejan_17 (K1), TiniBug_21 (K1), Tiri_21 (K1), Topper_21 (K1), Torres_17 (K1), TreyKay_21 (K1), TribleTrouble_19 (K3), Trice_17 (K1), TruffulaTree_21 (K1), Twitch_21 (K1), Urkel_21 (K1), Veliki_21 (K1), YoureAdopted_20 (K1), Zabiza_21 (K1), Zavala_21 (K1),

Start 17:
• Found in 49 of 275 (17.8%) of genes in pham
• Manual Annotations of this start: 40 of 250
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_19 (K7), Antsirabe_16 (G5), Bryler_20 (K6), Cain_20 (K6), Cambiare_17 (G2), Chavito_21 (K1), Chris_20 (K1), Cloudyecho_16 (G3), Curiosium_22 (K1), Dartin_21 (K1), Efra2_21 (K1), GodSpeed_17 (G2), Guanica15_21 (K1), Jolie2_16 (G4), KiSi_20 (K1), Krueger_20 (K6), LastHope_21 (K1), LeMond_20 (K1), Lemuria_16 (G4), MOOREtheMARYer_16 (G3), MarkPhew_21 (K1), Marshawn_22 (K6), McMater_21 (K1), Mercurio_17 (G4), Nibb_20 (K1), Niklas_21 (K1), Oscar_20 (K1), Peanam_21 (K1), PhelpsODU_20

(K6), Phrank_20 (K6), Pinnie_17 (G3), Richo_21 (K1), Scarlett_20 (K1), Shadow1_19 (K6), Shaobing_21 (K1), SirPhilip_20 (K6), Stargaze_16 (G5), Sunflower1121_19 (K6), Syra333_20 (K6), TClif_20 (K6), Tierra_20 (K6), Tigress9_20 (K6), TingHuaYa_21 (K1), Unicorn_20 (K6), Validus_21 (K1), Ximenita_21 (K6), YangYin_16 (G5), Yuna_21 (K6), Yunkel11_21 (K1),

Summary by clusters:

There are 13 clusters represented in this pham: G5, G4, G3, G1, G, K3, K2, K1, AB, K7, K6, K5, G2,

Info for manual annotations of cluster AB:
•Start number 5 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster G1:
•Start number 15 was manually annotated 65 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 17 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 17 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 17 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 17 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 16 was manually annotated 92 times for cluster K1.
•Start number 17 was manually annotated 16 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 14 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 16 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K5:
•Start number 11 was manually annotated 1 time for cluster K5.
•Start number 13 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 16 was manually annotated 10 times for cluster K6.
•Start number 17 was manually annotated 16 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 17 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: ActinUp_21 Start: 12079, Stop: 15918, Start Num: 16
Candidate Starts for ActinUp_21:
(Start: 16 @12079 has 111 MA's), (25, 12148), (31, 12235), (60, 12412), (66, 12439), (82, 12511), (83, 12523), (84, 12532), (95, 12604), (108, 12679), (127, 12763), (129, 12772), (132, 12793), (138, 12832), (149, 12910), (162, 12988), (175, 13078), (185, 13153), (199, 13246), (201, 13255), (203, 13267), (204, 13276), (252, 13537), (258, 13552), (267, 13585), (284, 13672), (290, 13696), (302, 13780), (316, 13864), (319, 13876), (323, 13897), (393, 14053), (408, 14134), (417, 14182), (420, 14200), (423, 14221), (428, 14257), (434, 14308), (444, 14365), (454, 14443), (457, 14452), (475, 14530), (482, 14587), (489, 14641), (519, 14881), (534, 14956), (549, 15067), (561, 15286), (563, 15298), (578, 15487), (579, 15496), (587, 15568), (594, 15598), (601, 15619), (619, 15739), (626, 15811), (629, 15829), (630, 15835),

Gene: Adephagia_21 Start: 12079, Stop: 15915, Start Num: 16
Candidate Starts for Adephagia_21:
(Start: 16 @12079 has 111 MA's), (25, 12148), (31, 12235), (60, 12412), (66, 12439), (82, 12511), (83, 12523), (84, 12532), (95, 12604), (108, 12679), (127, 12763), (129, 12772), (132, 12793), (138, 12832), (149, 12910), (162, 12988), (175, 13078), (185, 13153), (199, 13246), (201, 13255), (203, 13267), (204, 13276), (252, 13537), (258, 13552), (267, 13585), (284, 13672), (290, 13696), (302, 13780), (316, 13864), (319, 13876), (323, 13897), (393, 14053), (408, 14134), (417, 14182), (420, 14200), (423, 14221), (428, 14257), (434, 14308), (444, 14365), (454, 14443), (457, 14452), (475, 14530), (482, 14587), (489, 14641), (519, 14881), (534, 14956), (549, 15067), (561, 15286), (563, 15298), (578, 15484), (579, 15493), (587, 15565), (594, 15595), (601, 15616), (619, 15736), (626, 15808), (629, 15826), (630, 15832),

Gene: Adonis_21 Start: 12088, Stop: 15921, Start Num: 16
Candidate Starts for Adonis_21:
(2, 11869), (9, 12049), (Start: 16 @12088 has 111 MA's), (25, 12157), (31, 12244), (60, 12421), (66, 12448), (83, 12532), (84, 12541), (95, 12613), (108, 12688), (127, 12772), (129, 12781), (132, 12802), (138, 12841), (149, 12919), (162, 12997), (175, 13087), (185, 13162), (199, 13255), (201, 13264), (203, 13276), (204, 13285), (237, 13468), (247, 13522), (258, 13561), (267, 13594), (284, 13681), (290, 13705), (302, 13789), (316, 13873), (319, 13885), (323, 13906), (393, 14062), (408, 14143), (417, 14191), (420, 14209), (423, 14230), (428, 14266), (434, 14317), (444, 14374), (454, 14452), (457, 14461), (475, 14539), (482, 14596), (489, 14650), (519, 14890), (534, 14965), (549, 15076), (561, 15295), (563, 15307), (578, 15490), (579, 15499), (594, 15601), (601, 15622), (619, 15742), (626, 15814), (629, 15832), (630, 15838),

Gene: Agent47_19 Start: 12236, Stop: 16342, Start Num: 13
Candidate Starts for Agent47_19:
(Start: 13 @12236 has 22 MA's), (26, 12329), (32, 12407), (34, 12431), (42, 12491), (62, 12575), (64, 12587), (84, 12689), (94, 12749), (95, 12761), (100, 12782), (108, 12836), (119, 12884), (129, 12929), (132, 12950), (149, 13067), (162, 13145), (166, 13169), (175, 13235), (185, 13310), (199, 13403), (204, 13433), (235, 13607), (237, 13616), (243, 13646), (247, 13670), (251, 13691), (269, 13751), (284, 13829), (286, 13838), (301, 13916), (310, 13982), (317, 14024), (319, 14033), (326, 14117), (333, 14138), (335, 14171), (342, 14237), (344, 14258), (351, 14312), (354, 14321), (358, 14339), (362, 14357), (363, 14366), (369, 14396), (375, 14432), (384, 14486), (392, 14522), (393, 14528), (395, 14546), (416, 14651), (425, 14717), (456, 14912), (464, 14942), (474, 14975), (481, 15026), (483, 15047), (485, 15062), (486, 15068), (496, 15152), (502, 15200), (508, 15239), (513, 15299), (518, 15332), (522, 15353), (525, 15377), (533, 15407), (546, 15473), (551, 15545), (570, 15860), (571, 15869), (572, 15872), (574, 15914), (578, 15941), (583, 15971), (587, 16022), (592, 16040), (605, 16106), (616, 16154), (619, 16178), (620, 16190), (631, 16271), (635, 16295), (640, 16334),

Gene: Ageofdapage_21 Start: 12015, Stop: 15848, Start Num: 16
Candidate Starts for Ageofdapage_21:
(Start: 16 @12015 has 111 MA's), (25, 12084), (31, 12171), (60, 12351), (66, 12378), (83, 12462), (84, 12471), (94, 12531), (95, 12543), (108, 12618), (118, 12660), (127, 12702), (129, 12711), (132, 12732), (138, 12771), (149, 12849), (162, 12927), (185, 13092), (199, 13185), (203, 13206), (204, 13215), (247, 13452), (252, 13476), (258, 13491), (267, 13524), (284, 13611), (302, 13719), (316, 13803), (319, 13815), (323, 13836), (332, 13917), (393, 13992), (408, 14073), (410, 14082), (417, 14121), (420, 14139), (423, 14160), (428, 14196), (434, 14247), (444, 14304), (454, 14382), (457, 14391), (475, 14469), (477, 14484), (482, 14526), (489, 14580), (519, 14820), (534, 14895), (549, 15006), (561, 15225), (570, 15339), (578, 15420), (579, 15429), (587, 15501), (594, 15531), (601, 15552), (619, 15669), (626, 15741), (630, 15765),

Gene: AizenPogi_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for AizenPogi_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: AlishaPH_21 Start: 12075, Stop: 15908, Start Num: 16
Candidate Starts for AlishaPH_21:
(Start: 16 @12075 has 111 MA's), (25, 12144), (31, 12231), (40, 12306), (60, 12408), (66, 12435), (82, 12507), (83, 12519), (84, 12528), (95, 12600), (108, 12675), (127, 12759), (129, 12768), (132, 12789), (138, 12828), (149, 12906), (162, 12984), (175, 13074), (185, 13149), (199, 13242), (201, 13251), (203, 13263), (204, 13272), (247, 13509), (258, 13548), (267, 13581), (284, 13668), (290, 13692), (302, 13776), (316, 13860), (319, 13872), (323, 13893), (393, 14049), (408, 14130), (417, 14178), (420, 14196), (423, 14217), (428, 14253), (434, 14304), (444, 14361), (454, 14439), (457, 14448), (475, 14526), (477, 14541), (482, 14583), (489, 14637), (519, 14877), (534, 14952), (549, 15063), (561, 15282), (563, 15294), (578, 15477), (579, 15486), (587, 15558), (594, 15588), (601, 15609), (619, 15729), (626, 15801), (629, 15819), (630, 15825),

Gene: AlleyCat_19 Start: 12112, Stop: 16224, Start Num: 13
Candidate Starts for AlleyCat_19:
(Start: 13 @12112 has 22 MA's), (26, 12205), (32, 12283), (34, 12307), (42, 12367), (62, 12451), (84, 12565), (94, 12625), (95, 12637), (100, 12658), (108, 12712), (119, 12760), (129, 12805), (132, 12826), (149, 12943), (162, 13021), (166, 13045), (172, 13087), (175, 13111), (185, 13186), (199, 13279), (204, 13309), (235, 13483), (243, 13522), (247, 13546), (251, 13567), (269, 13627), (284, 13705), (286, 13714), (301, 13792), (310, 13858), (317, 13900), (319, 13909), (326, 13993), (333, 14014), (335, 14047), (336, 14068), (342, 14113), (344, 14134), (351, 14188), (354, 14197), (358, 14215), (363, 14242), (369, 14272), (375, 14308), (392, 14398), (393, 14404), (395, 14422), (416, 14527), (425, 14593), (456, 14788), (464, 14818), (474, 14851), (481, 14902), (483, 14923), (485, 14938), (486, 14944), (496, 15028), (502, 15076), (508, 15115), (513, 15175), (518, 15208), (522, 15229), (525, 15253), (533, 15283), (546, 15349), (551, 15421), (570, 15736), (571, 15745), (572, 15748), (573, 15775), (574, 15790), (576, 15805), (578, 15817), (583, 15847), (587, 15901), (592, 15919), (605, 15988), (616, 16036), (619, 16060), (620, 16072), (621, 16081), (631, 16153), (635, 16177), (640, 16216),

Gene: Amelie_17 Start: 11327, Stop: 15460, Start Num: 16

Candidate Starts for Amelie_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: Amgine_19 Start: 11863, Stop: 16011, Start Num: 16
Candidate Starts for Amgine_19:
(Start: 16 @11863 has 111 MA's), (25, 11932), (40, 12094), (60, 12196), (62, 12202), (66, 12223), (94, 12376), (95, 12388), (108, 12463), (129, 12556), (132, 12577), (138, 12616), (149, 12694), (162, 12772), (166, 12796), (174, 12850), (175, 12862), (185, 12937), (199, 13030), (217, 13111), (226, 13174), (233, 13228), (238, 13249), (241, 13261), (247, 13297), (251, 13318), (261, 13345), (267, 13369), (271, 13390), (275, 13411), (284, 13456), (305, 13582), (310, 13630), (321, 13690), (322, 13696), (333, 13786), (343, 13897), (349, 13948), (350, 13954), (362, 14005), (369, 14044), (371, 14065), (393, 14176), (406, 14236), (411, 14269), (414, 14287), (417, 14305), (420, 14323), (422, 14335), (428, 14380), (434, 14431), (444, 14479), (454, 14557), (475, 14644), (476, 14650), (483, 14716), (484, 14719), (493, 14794), (503, 14860), (519, 14995), (531, 15055), (534, 15070), (535, 15076), (571, 15526), (578, 15598), (579, 15607), (590, 15694), (619, 15847), (630, 15946), (635, 15973), (636, 15985),

Gene: Aminay_19 Start: 11993, Stop: 16294, Start Num: 17
Candidate Starts for Aminay_19:
(Start: 17 @11993 has 40 MA's), (18, 12002), (24, 12041), (26, 12083), (31, 12149), (35, 12194), (56, 12308), (68, 12356), (79, 12395), (80, 12398), (83, 12434), (94, 12503), (95, 12515), (99, 12530), (100, 12536), (129, 12683), (132, 12704), (138, 12743), (139, 12746), (149, 12821), (157, 12866), (162, 12899), (166, 12923), (175, 12989), (176, 12992), (179, 13010), (181, 13019), (183, 13052), (187, 13076), (191, 13097), (210, 13214), (234, 13355), (235, 13358), (237, 13367), (247, 13421), (248, 13427), (256, 13457), (266, 13490), (271, 13514), (277, 13541), (284, 13580), (287, 13595), (289, 13601), (295, 13628), (302, 13688), (305, 13706), (309, 13736), (311, 13757), (319, 13805), (320, 13808), (321, 13814), (323, 13826), (331, 13904), (344, 14030), (355, 14099), (359, 14117), (365, 14150), (366, 14153), (370, 14180), (382, 14234), (393, 14288), (397, 14327), (399, 14348), (403, 14372), (409, 14420), (418, 14480), (419, 14489), (427, 14546), (430, 14579), (431, 14588), (436, 14630), (445, 14696), (454, 14777), (457, 14786), (493, 14993), (519, 15194), (534, 15269), (539, 15299), (555, 15485), (571, 15749), (574, 15794), (578, 15821), (592, 15947), (595, 15965), (599, 15986), (604, 16043), (605, 16046), (618, 16118), (631, 16220), (635, 16244), (640, 16283),

Gene: Amohnition_20 Start: 12196, Stop: 16386, Start Num: 16
Candidate Starts for Amohnition_20:
(10, 12151), (Start: 16 @12196 has 111 MA's), (25, 12265), (31, 12352), (40, 12427), (56, 12514), (57, 12517), (75, 12589), (83, 12640), (84, 12649), (94, 12709), (95, 12721), (100, 12742), (108, 12796), (115, 12826), (129, 12889), (132, 12910), (138, 12949), (149, 13027), (162, 13105), (166, 13129), (175, 13195), (184, 13261), (191, 13303), (195, 13342), (197, 13354), (203, 13384), (204, 13393), (225, 13507), (229, 13522), (237, 13576), (243, 13606), (247, 13630), (251, 13651), (266, 13699), (275, 13744), (276, 13747), (284, 13789), (289, 13810), (298, 13858), (305, 13915), (307, 13930), (311, 13966), (314, 13978), (321, 14023), (322, 14029), (333, 14119), (362, 14338), (369, 14377), (371, 14398), (389, 14485), (393, 14509), (400, 14536), (401, 14539), (406, 14569), (414, 14620), (420, 14656), (434, 14764), (454, 14899), (455, 14902), (470, 14968), (472, 14974), (479, 15013), (488, 15085), (490, 15091), (492, 15112), (504, 15196), (507, 15226), (511, 15247), (512, 15259),

(519, 15340), (524, 15373), (525, 15382), (528, 15388), (537, 15430), (540, 15481), (542, 15487), (561, 15778), (570, 15892), (571, 15901), (572, 15904), (578, 15973), (601, 16108), (609, 16177), (619, 16225), (630, 16321), (636, 16360),

Gene: Anaya_22 Start: 12098, Stop: 15934, Start Num: 16
Candidate Starts for Anaya_22:
(Start: 16 @12098 has 111 MA's), (25, 12167), (31, 12254), (60, 12431), (66, 12458), (82, 12530), (83, 12542), (84, 12551), (95, 12623), (108, 12698), (115, 12728), (127, 12782), (129, 12791), (132, 12812), (138, 12851), (149, 12929), (156, 12971), (162, 13007), (166, 13031), (175, 13097), (185, 13172), (199, 13265), (201, 13274), (203, 13286), (204, 13295), (247, 13532), (252, 13556), (258, 13571), (267, 13604), (284, 13691), (290, 13715), (302, 13799), (316, 13883), (319, 13895), (323, 13916), (393, 14072), (408, 14153), (420, 14219), (423, 14240), (428, 14276), (434, 14327), (444, 14384), (454, 14462), (457, 14471), (475, 14549), (482, 14606), (489, 14660), (519, 14900), (534, 14975), (535, 14981), (549, 15086), (561, 15305), (578, 15503), (579, 15512), (594, 15614), (601, 15635), (610, 15710), (619, 15755), (626, 15827), (629, 15845), (630, 15851),

Gene: Angel_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Angel_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Angelica_21 Start: 12050, Stop: 15883, Start Num: 16
Candidate Starts for Angelica_21:
(Start: 16 @12050 has 111 MA's), (25, 12119), (31, 12206), (60, 12383), (66, 12410), (83, 12494), (84, 12503), (95, 12575), (108, 12650), (127, 12734), (129, 12743), (132, 12764), (138, 12803), (149, 12881), (162, 12959), (175, 13049), (185, 13124), (199, 13217), (203, 13238), (204, 13247), (247, 13484), (258, 13523), (267, 13556), (284, 13643), (290, 13667), (302, 13751), (316, 13835), (319, 13847), (323, 13868), (393, 14024), (408, 14105), (417, 14153), (420, 14171), (423, 14192), (428, 14228), (434, 14279), (444, 14336), (454, 14414), (457, 14423), (475, 14501), (477, 14516), (482, 14558), (489, 14612), (519, 14852), (534, 14927), (549, 15038), (561, 15257), (563, 15269), (578, 15452), (579, 15461), (594, 15563), (601, 15584), (619, 15704), (626, 15776), (629, 15794), (630, 15800),

Gene: Anma_21 Start: 12024, Stop: 15863, Start Num: 16
Candidate Starts for Anma_21:
(Start: 16 @12024 has 111 MA's), (25, 12093), (31, 12180), (60, 12360), (66, 12387), (83, 12471), (84, 12480), (94, 12540), (95, 12552), (108, 12627), (120, 12678), (129, 12720), (132, 12741), (138, 12780), (149, 12858), (162, 12936), (166, 12960), (185, 13101), (199, 13194), (203, 13215), (204, 13224), (247, 13461), (252, 13485), (258, 13500), (267, 13533), (284, 13620), (301, 13707), (302, 13728), (316, 13812), (319, 13824), (323, 13845), (393, 14001), (408, 14082), (420, 14148), (423, 14169), (428, 14205), (434, 14256), (439, 14274), (444, 14313), (454, 14391), (475, 14478), (477, 14493), (482, 14535), (489, 14589), (519, 14829), (534, 14904), (549, 15015), (551, 15036), (552, 15057), (559, 15177), (570, 15351), (578, 15432), (579, 15441), (587, 15513), (594, 15543), (601, 15564), (619, 15684), (626, 15756), (629, 15774), (630, 15780),

Gene: Annihilator_16 Start: 11455, Stop: 15468, Start Num: 15

Candidate Starts for Annihilator_16:
(Start: 15 @11455 has 65 MA's), (35, 11656), (56, 11770), (66, 11812), (74, 11842), (95, 11977), (98, 11989), (100, 11998), (135, 12187), (138, 12205), (139, 12208), (141, 12229), (142, 12241), (154, 12313), (162, 12361), (182, 12493), (184, 12517), (195, 12598), (220, 12721), (231, 12805), (239, 12841), (247, 12886), (248, 12892), (275, 13000), (280, 13024), (284, 13045), (322, 13264), (338, 13414), (347, 13501), (368, 13609), (393, 13744), (414, 13855), (417, 13873), (422, 13903), (452, 14125), (459, 14149), (462, 14164), (467, 14185), (475, 14212), (479, 14239), (485, 14299), (496, 14389), (500, 14422), (510, 14485), (515, 14542), (518, 14575), (520, 14584), (572, 15088), (573, 15115), (576, 15145), (578, 15157), (579, 15166), (596, 15235), (617, 15316), (627, 15376), (630, 15394), (632, 15403),

Gene: Antsirabe_16 Start: 11833, Stop: 15810, Start Num: 17
Candidate Starts for Antsirabe_16:
(Start: 17 @11833 has 40 MA's), (27, 11926), (38, 12046), (48, 12109), (53, 12127), (67, 12190), (77, 12226), (86, 12298), (88, 12304), (93, 12331), (96, 12349), (103, 12394), (112, 12430), (116, 12445), (139, 12568), (143, 12610), (146, 12625), (152, 12661), (162, 12724), (165, 12745), (177, 12817), (181, 12835), (200, 12976), (206, 13018), (213, 13048), (214, 13051), (216, 13060), (218, 13069), (223, 13111), (235, 13183), (236, 13189), (240, 13204), (244, 13222), (245, 13225), (251, 13258), (260, 13285), (270, 13330), (284, 13393), (290, 13417), (293, 13429), (294, 13432), (312, 13561), (319, 13603), (320, 13606), (333, 13708), (338, 13768), (343, 13819), (356, 13903), (369, 13966), (378, 14023), (389, 14074), (392, 14092), (393, 14098), (404, 14149), (411, 14191), (425, 14287), (448, 14410), (450, 14428), (459, 14494), (462, 14509), (478, 14575), (483, 14629), (485, 14644), (494, 14725), (496, 14734), (510, 14827), (514, 14881), (515, 14884), (517, 14917), (532, 14992), (572, 15454), (573, 15481), (578, 15523), (593, 15610), (594, 15613), (606, 15631), (608, 15634), (627, 15718), (630, 15736),

Gene: Apocalypse_21 Start: 12053, Stop: 15886, Start Num: 16
Candidate Starts for Apocalypse_21:
(Start: 16 @12053 has 111 MA's), (25, 12122), (31, 12209), (60, 12386), (66, 12413), (83, 12497), (84, 12506), (95, 12578), (108, 12653), (127, 12737), (129, 12746), (132, 12767), (138, 12806), (149, 12884), (162, 12962), (166, 12986), (175, 13052), (185, 13127), (199, 13220), (201, 13229), (203, 13241), (204, 13250), (247, 13487), (258, 13526), (267, 13559), (284, 13646), (290, 13670), (302, 13754), (316, 13838), (319, 13850), (323, 13871), (393, 14027), (408, 14108), (412, 14132), (417, 14156), (420, 14174), (423, 14195), (428, 14231), (434, 14282), (444, 14339), (454, 14417), (457, 14426), (475, 14504), (477, 14519), (482, 14561), (489, 14615), (519, 14855), (534, 14930), (549, 15041), (561, 15260), (563, 15272), (578, 15455), (579, 15464), (587, 15536), (594, 15566), (601, 15587), (619, 15707), (626, 15779), (629, 15797), (630, 15803),

Gene: Applecrisp_19 Start: 12274, Stop: 16422, Start Num: 16
Candidate Starts for Applecrisp_19:
(Start: 16 @12274 has 111 MA's), (25, 12343), (40, 12505), (60, 12607), (62, 12613), (66, 12634), (94, 12787), (95, 12799), (108, 12874), (115, 12904), (129, 12967), (132, 12988), (138, 13027), (149, 13105), (162, 13183), (166, 13207), (175, 13273), (185, 13348), (199, 13441), (205, 13474), (217, 13522), (226, 13585), (233, 13639), (234, 13642), (238, 13660), (241, 13672), (251, 13729), (261, 13756), (267, 13780), (271, 13801), (275, 13822), (284, 13867), (310, 14041), (333, 14197), (344, 14317), (349, 14359), (350, 14365), (364, 14437), (369, 14455), (371, 14476), (393, 14587), (406, 14647), (411, 14680), (414, 14698), (417, 14716), (420, 14734), (422, 14746), (428, 14791), (434, 14842), (444, 14890), (454, 14968), (475, 15055), (476, 15061), (477, 15070), (483, 15127), (484, 15130), (493, 15205), (503, 15271), (519, 15406), (531, 15466), (534, 15481), (535, 15487), (571, 15937), (578, 16009), (579, 16018), (590, 16105), (619, 16258), (630, 16357), (635, 16384), (636, 16396),

Gene: Aroostook_16 Start: 11464, Stop: 15477, Start Num: 15

Candidate Starts for Aroostook_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Asayake_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Asayake_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Atiba_21 Start: 12042, Stop: 15878, Start Num: 16
Candidate Starts for Atiba_21:
(Start: 16 @12042 has 111 MA's), (25, 12111), (31, 12198), (60, 12375), (66, 12402), (82, 12474), (83, 12486), (84, 12495), (95, 12567), (108, 12642), (127, 12726), (129, 12735), (132, 12756), (138, 12795), (149, 12873), (162, 12951), (175, 13041), (185, 13116), (199, 13209), (201, 13218), (203, 13230), (204, 13239), (252, 13500), (258, 13515), (267, 13548), (284, 13635), (290, 13659), (302, 13743), (316, 13827), (319, 13839), (323, 13860), (393, 14016), (408, 14097), (417, 14145), (420, 14163), (423, 14184), (428, 14220), (434, 14271), (444, 14328), (454, 14406), (457, 14415), (475, 14493), (482, 14550), (489, 14604), (519, 14844), (534, 14919), (549, 15030), (561, 15249), (563, 15261), (578, 15447), (579, 15456), (587, 15528), (594, 15558), (601, 15579), (619, 15699), (626, 15771), (629, 15789), (630, 15795),

Gene: Avrafan_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Avrafan_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: AzulaCat_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for AzulaCat_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338,

13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: BEEST_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for BEEST_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: BGlluviae_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for BGlluviae_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: BPs_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for BPs_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: BQuat_16 Start: 11455, Stop: 15468, Start Num: 15
Candidate Starts for BQuat_16:
(Start: 15 @11455 has 65 MA's), (35, 11656), (56, 11770), (66, 11812), (74, 11842), (95, 11977), (98, 11989), (100, 11998), (135, 12187), (138, 12205), (139, 12208), (141, 12229), (142, 12241), (154, 12313), (162, 12361), (182, 12493), (184, 12517), (195, 12598), (220, 12721), (231, 12805), (239, 12841), (247, 12886), (248, 12892), (275, 13000), (280, 13024), (284, 13045), (322, 13264), (338, 13414), (347, 13501), (368, 13609), (393, 13744), (414, 13855), (417, 13873), (422, 13903), (452, 14125), (459, 14149), (462, 14164), (467, 14185), (475, 14212), (479, 14239), (485, 14299), (496, 14389), (500, 14422), (510, 14485), (515, 14542), (518, 14575), (520, 14584), (572, 15088), (573, 15115), (576, 15145), (578, 15157), (579, 15166), (596, 15235), (617, 15316), (627, 15376), (630, 15394), (632, 15403),

Gene: BaghaKamala_21 Start: 12045, Stop: 15878, Start Num: 16
Candidate Starts for BaghaKamala_21:
(Start: 16 @12045 has 111 MA's), (25, 12114), (31, 12201), (40, 12276), (60, 12378), (66, 12405), (82, 12477), (83, 12489), (84, 12498), (95, 12570), (108, 12645), (127, 12729), (129, 12738), (132, 12759), (138, 12798), (142, 12834), (149, 12876), (162, 12954), (175, 13044), (185, 13119), (199, 13212), (201, 13221), (203, 13233), (204, 13242), (247, 13479), (258, 13518), (267, 13551), (284, 13638), (290, 13662), (302, 13746), (316, 13830), (319, 13842), (323, 13863), (393, 14019), (408, 14100), (417, 14148), (420, 14166), (423, 14187), (428, 14223), (434, 14274), (444, 14331), (454, 14409), (457, 14418), (475, 14496), (477, 14511), (482, 14553), (489, 14607), (519, 14847), (534, 14922), (549, 15033), (561, 15252), (563, 15264), (578, 15447), (579, 15456), (587, 15528), (594, 15558), (601, 15579), (619, 15699), (626, 15771), (629, 15789), (630, 15795),

Gene: BananenDer11_19 Start: 12197, Stop: 16303, Start Num: 13
Candidate Starts for BananenDer11_19:
(Start: 13 @12197 has 22 MA's), (26, 12290), (32, 12368), (34, 12392), (42, 12452), (62, 12536), (64, 12548), (84, 12650), (94, 12710), (95, 12722), (100, 12743), (108, 12797), (119, 12845), (129, 12890), (132, 12911), (149, 13028), (162, 13106), (166, 13130), (175, 13196), (185, 13271), (199, 13364), (204, 13394), (235, 13568), (237, 13577), (243, 13607), (247, 13631), (251, 13652), (269, 13712), (284, 13790), (286, 13799), (301, 13877), (310, 13943), (317, 13985), (319, 13994), (326, 14078), (333, 14099), (335, 14132), (342, 14198), (344, 14219), (351, 14273), (354, 14282), (358, 14300), (362, 14318), (363, 14327), (369, 14357), (375, 14393), (384, 14447), (392, 14483), (393, 14489), (395, 14507), (416, 14612), (425, 14678), (456, 14873), (464, 14903), (474, 14936), (481, 14987), (483, 15008), (485, 15023), (486, 15029), (496, 15113), (502, 15161), (508, 15200), (513, 15260), (518, 15293), (522, 15314), (525, 15338), (533, 15368), (546, 15434), (551, 15506), (570, 15821), (571, 15830), (572, 15833), (574, 15875), (578, 15902), (583, 15932), (587, 15983), (592, 16001), (605, 16067), (616, 16115), (619, 16139), (620, 16151), (631, 16232), (635, 16256), (640, 16295),

Gene: Barkley26_16 Start: 11464, Stop: 15480, Start Num: 15
Candidate Starts for Barkley26_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15100), (573, 15127), (576, 15157), (578, 15169), (579, 15178), (596, 15247), (617, 15328), (627, 15388), (630, 15406), (632, 15415),

Gene: BarrelRoll_21 Start: 12068, Stop: 15901, Start Num: 16
Candidate Starts for BarrelRoll_21:
(Start: 16 @12068 has 111 MA's), (25, 12137), (31, 12224), (40, 12299), (60, 12401), (66, 12428), (82, 12500), (83, 12512), (84, 12521), (95, 12593), (108, 12668), (127, 12752), (129, 12761), (132, 12782), (138, 12821), (142, 12857), (149, 12899), (162, 12977), (175, 13067), (185, 13142), (199, 13235), (201, 13244), (203, 13256), (204, 13265), (247, 13502), (258, 13541), (267, 13574), (284, 13661), (290, 13685), (302, 13769), (316, 13853), (319, 13865), (323, 13886), (393, 14042), (408, 14123), (417, 14171), (420, 14189), (423, 14210), (428, 14246), (434, 14297), (444, 14354), (454, 14432), (457, 14441), (475, 14519), (477, 14534), (482, 14576), (489, 14630), (519, 14870), (534, 14945), (549, 15056), (561, 15275), (563, 15287), (578, 15470), (579, 15479), (587, 15551), (594, 15581), (601, 15602), (619, 15722), (626, 15794), (629, 15812), (630, 15818),

Gene: Beezoo_21 Start: 12092, Stop: 15925, Start Num: 16

Candidate Starts for Beezoo_21:
(Start: 16 @12092 has 111 MA's), (25, 12161), (26, 12182), (31, 12248), (60, 12425), (66, 12452), (82, 12524), (83, 12536), (84, 12545), (95, 12617), (108, 12692), (127, 12776), (129, 12785), (132, 12806), (138, 12845), (149, 12923), (162, 13001), (175, 13091), (185, 13166), (199, 13259), (201, 13268), (203, 13280), (204, 13289), (247, 13526), (258, 13565), (267, 13598), (284, 13685), (290, 13709), (302, 13793), (316, 13877), (319, 13889), (320, 13892), (323, 13910), (393, 14066), (408, 14147), (417, 14195), (420, 14213), (423, 14234), (428, 14270), (434, 14321), (444, 14378), (454, 14456), (457, 14465), (475, 14543), (477, 14558), (482, 14600), (489, 14654), (519, 14894), (534, 14969), (549, 15080), (561, 15299), (563, 15311), (578, 15494), (579, 15503), (594, 15605), (601, 15626), (619, 15746), (626, 15818), (629, 15836), (630, 15842),

Gene: Bella96_21 Start: 12006, Stop: 15845, Start Num: 16
Candidate Starts for Bella96_21:
(Start: 16 @12006 has 111 MA's), (25, 12075), (31, 12162), (60, 12342), (66, 12369), (83, 12453), (84, 12462), (94, 12522), (95, 12534), (108, 12609), (118, 12651), (127, 12693), (129, 12702), (132, 12723), (138, 12762), (139, 12765), (149, 12840), (162, 12918), (185, 13083), (199, 13176), (203, 13197), (204, 13206), (247, 13443), (252, 13467), (258, 13482), (267, 13515), (284, 13602), (301, 13689), (302, 13710), (316, 13794), (319, 13806), (323, 13827), (393, 13983), (408, 14064), (420, 14130), (423, 14151), (428, 14187), (434, 14238), (439, 14256), (444, 14295), (454, 14373), (457, 14382), (475, 14460), (477, 14475), (482, 14517), (489, 14571), (519, 14811), (534, 14886), (549, 14997), (551, 15018), (552, 15039), (559, 15159), (570, 15333), (578, 15414), (579, 15423), (587, 15495), (594, 15525), (601, 15546), (619, 15666), (626, 15738), (629, 15756), (630, 15762),

Gene: Bern_21 Start: 12034, Stop: 15873, Start Num: 16
Candidate Starts for Bern_21:
(Start: 16 @12034 has 111 MA's), (25, 12103), (31, 12190), (60, 12370), (66, 12397), (83, 12481), (94, 12550), (95, 12562), (108, 12637), (120, 12688), (129, 12730), (132, 12751), (138, 12790), (149, 12868), (162, 12946), (185, 13111), (199, 13204), (203, 13225), (204, 13234), (247, 13471), (252, 13495), (258, 13510), (267, 13543), (284, 13630), (301, 13717), (302, 13738), (316, 13822), (319, 13834), (322, 13849), (323, 13855), (408, 14092), (417, 14140), (420, 14158), (423, 14179), (428, 14215), (430, 14233), (434, 14266), (454, 14401), (457, 14410), (475, 14488), (477, 14503), (482, 14545), (489, 14599), (519, 14839), (534, 14914), (549, 15025), (551, 15046), (552, 15067), (559, 15187), (570, 15361), (578, 15442), (579, 15451), (587, 15523), (594, 15553), (601, 15574), (619, 15694), (626, 15766), (629, 15784), (630, 15790),

Gene: Biglebops_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Biglebops_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: Blizzard_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Blizzard_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709),

(290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Boiiii_21 Start: 12118, Stop: 15951, Start Num: 16
Candidate Starts for Boiiii_21:
(Start: 16 @12118 has 111 MA's), (25, 12187), (31, 12274), (40, 12349), (60, 12451), (66, 12478), (82, 12550), (83, 12562), (84, 12571), (95, 12643), (108, 12718), (127, 12802), (129, 12811), (132, 12832), (138, 12871), (142, 12907), (149, 12949), (162, 13027), (175, 13117), (185, 13192), (199, 13285), (201, 13294), (203, 13306), (204, 13315), (247, 13552), (258, 13591), (267, 13624), (284, 13711), (290, 13735), (302, 13819), (316, 13903), (319, 13915), (323, 13936), (393, 14092), (408, 14173), (417, 14221), (420, 14239), (423, 14260), (428, 14296), (434, 14347), (444, 14404), (454, 14482), (457, 14491), (475, 14569), (477, 14584), (482, 14626), (489, 14680), (519, 14920), (534, 14995), (549, 15106), (561, 15325), (563, 15337), (578, 15520), (579, 15529), (587, 15601), (594, 15631), (601, 15652), (619, 15772), (626, 15844), (629, 15862), (630, 15868),

Gene: BoostSeason_17 Start: 10144, Stop: 13818, Start Num: 14
Candidate Starts for BoostSeason_17:
(Start: 14 @10144 has 10 MA's), (25, 10216), (70, 10450), (82, 10501), (95, 10594), (108, 10669), (129, 10762), (132, 10783), (135, 10804), (136, 10810), (149, 10900), (156, 10942), (162, 10978), (169, 11011), (170, 11023), (173, 11047), (175, 11068), (180, 11092), (181, 11098), (184, 11134), (185, 11143), (191, 11176), (193, 11188), (195, 11215), (231, 11398), (233, 11410), (235, 11416), (243, 11455), (247, 11479), (274, 11512), (289, 11530), (292, 11539), (303, 11572), (328, 11761), (329, 11767), (334, 11803), (340, 11830), (345, 11848), (353, 11866), (381, 11974), (390, 12007), (402, 12040), (415, 12094), (420, 12127), (423, 12148), (426, 12172), (431, 12202), (433, 12223), (482, 12445), (493, 12538), (505, 12616), (519, 12739), (543, 12892), (570, 13309), (571, 13318), (573, 13348), (581, 13408), (598, 13516), (619, 13648), (630, 13741),

Gene: BruceB_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for BruceB_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Bryler_20 Start: 11095, Stop: 15096, Start Num: 17
Candidate Starts for Bryler_20:
(Start: 17 @11095 has 40 MA's), (28, 11188), (36, 11293), (41, 11320), (45, 11347), (48, 11365), (53, 11383), (58, 11407), (59, 11413), (65, 11440), (67, 11446), (77, 11482), (80, 11491), (82, 11515), (93, 11587), (96, 11605), (97, 11608), (123, 11737), (143, 11854), (159, 11950), (165, 11989), (171, 12019), (181, 12079), (206, 12262), (207, 12268), (208, 12271), (219, 12325), (223, 12355), (232, 12415), (235, 12427), (236, 12433), (240, 12448), (245, 12469), (248, 12487), (282, 12625), (284, 12637), (289, 12658), (297, 12697), (318, 12751), (319, 12757), (337, 12919), (344, 12982), (358, 13063), (361, 13078), (369, 13120), (377, 13171), (380, 13192), (387, 13222), (389, 13228), (393, 13252), (404, 13303), (414, 13363), (423, 13420), (428, 13456), (430, 13474), (434, 13507), (454, 13648), (455, 13651), (475, 13735), (479, 13762), (489, 13846), (519, 14086), (534, 14161), (562,

14494), (570, 14596), (571, 14605), (578, 14677), (587, 14761), (594, 14791), (601, 14812), (619, 14929), (626, 15004), (634, 15043), (635, 15055),

Gene: CLED96_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for CLED96_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: CREW_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for CREW_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Cain_20 Start: 11083, Stop: 15084, Start Num: 17
Candidate Starts for Cain_20:
(Start: 17 @11083 has 40 MA's), (28, 11176), (36, 11281), (41, 11308), (45, 11335), (48, 11353), (53, 11371), (58, 11395), (59, 11401), (65, 11428), (67, 11434), (77, 11470), (80, 11479), (82, 11503), (93, 11575), (96, 11593), (97, 11596), (123, 11725), (143, 11842), (159, 11938), (165, 11977), (171, 12007), (181, 12067), (206, 12250), (207, 12256), (208, 12259), (219, 12313), (223, 12343), (232, 12403), (235, 12415), (236, 12421), (240, 12436), (245, 12457), (248, 12475), (282, 12613), (284, 12625), (289, 12646), (297, 12685), (318, 12739), (319, 12745), (337, 12907), (344, 12970), (358, 13051), (361, 13066), (369, 13108), (377, 13159), (380, 13180), (387, 13210), (389, 13216), (393, 13240), (404, 13291), (414, 13351), (423, 13408), (428, 13444), (430, 13462), (434, 13495), (454, 13636), (455, 13639), (475, 13723), (479, 13750), (489, 13834), (519, 14074), (534, 14149), (562, 14482), (570, 14584), (571, 14593), (578, 14665), (587, 14749), (594, 14779), (601, 14800), (619, 14917), (626, 14992), (634, 15031), (635, 15043),

Gene: CallaLilly_21 Start: 12039, Stop: 15872, Start Num: 16
Candidate Starts for CallaLilly_21:
(Start: 16 @12039 has 111 MA's), (25, 12108), (26, 12129), (31, 12195), (60, 12372), (66, 12399), (82, 12471), (83, 12483), (84, 12492), (95, 12564), (108, 12639), (127, 12723), (129, 12732), (132, 12753), (138, 12792), (142, 12828), (149, 12870), (162, 12948), (175, 13038), (185, 13113), (199, 13206), (201, 13215), (203, 13227), (204, 13236), (247, 13473), (258, 13512), (267, 13545), (284, 13632), (290, 13656), (302, 13740), (316, 13824), (319, 13836), (323, 13857), (393, 14013), (408, 14094), (417, 14142), (420, 14160), (423, 14181), (428, 14217), (434, 14268), (444, 14325), (454, 14403), (457, 14412), (475, 14490), (477, 14505), (482, 14547), (489, 14601), (519, 14841), (534, 14916), (549, 15027), (561, 15246), (563, 15258), (578, 15441), (579, 15450), (587, 15522), (594, 15552), (601, 15573), (619, 15693), (626, 15765), (629, 15783), (630, 15789),

Gene: Cambiare_17 Start: 12153, Stop: 16196, Start Num: 17
Candidate Starts for Cambiare_17:
(Start: 17 @12153 has 40 MA's), (27, 12246), (30, 12276), (42, 12423), (62, 12507), (73, 12555), (95, 12693), (100, 12714), (108, 12768), (129, 12861), (132, 12882), (135, 12903), (138, 12921), (141, 12945), (142, 12957), (154, 13029), (157, 13044), (162, 13077), (182, 13209), (184, 13233), (187, 13254), (193, 13287), (195, 13314), (203, 13356), (211, 13404), (233, 13542), (234, 13545), (243, 13587), (260, 13656), (261, 13659), (276, 13728), (284, 13770), (299, 13848), (317, 13965), (319, 13974), (322, 13989), (329, 14070), (333, 14079), (338, 14139), (351, 14253), (363, 14307), (368, 14334), (377, 14388), (379, 14397), (387, 14439), (392, 14463), (393, 14469), (401, 14499), (404, 14520), (407, 14538), (415, 14583), (447, 14790), (449, 14805), (453, 14853), (459, 14874), (462, 14889), (468, 14913), (477, 14952), (478, 14955), (479, 14964), (482, 14991), (483, 15006), (491, 15057), (493, 15084), (509, 15189), (519, 15285), (534, 15360), (552, 15504), (564, 15705), (572, 15789), (573, 15816), (576, 15846), (578, 15858), (617, 16044), (630, 16122),

Gene: Camri_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Camri_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Capricorn_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Capricorn_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: CaseJules_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for CaseJules_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: CassieYates_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for CassieYates_16:

(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Cedasite_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Cedasite_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Chance64_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Chance64_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Chavito_21 Start: 11138, Stop: 15292, Start Num: 17
Candidate Starts for Chavito_21:
(10, 11090), (Start: 17 @11138 has 40 MA's), (28, 11231), (45, 11390), (50, 11417), (71, 11507), (72, 11510), (86, 11597), (104, 11705), (105, 11708), (121, 11774), (139, 11876), (143, 11918), (146, 11933), (147, 11942), (152, 11969), (158, 11999), (162, 12032), (170, 12074), (181, 12143), (206, 12329), (207, 12335), (216, 12371), (218, 12380), (219, 12392), (221, 12404), (223, 12422), (232, 12482), (235, 12494), (236, 12500), (240, 12515), (244, 12533), (245, 12536), (248, 12554), (251, 12569), (263, 12608), (277, 12665), (278, 12674), (284, 12704), (289, 12725), (296, 12755), (306, 12824), (309, 12845), (313, 12872), (316, 12902), (319, 12914), (332, 13016), (339, 13094), (344, 13139), (346, 13163), (357, 13217), (358, 13220), (361, 13235), (362, 13238), (369, 13277), (373, 13304), (377, 13328), (378, 13334), (406, 13469), (407, 13478), (412, 13514), (414, 13520), (417, 13538), (421, 13565), (423, 13577), (430, 13631), (434, 13664), (445, 13724), (454, 13805), (455, 13808), (475, 13892), (477, 13907), (493, 14042), (503, 14108), (519, 14243), (555, 14516), (558, 14591), (578, 14852), (579, 14861), (585, 14924), (604, 15047), (619, 15119), (621, 15140), (626, 15191), (629, 15209), (630, 15215), (636, 15254),

Gene: CheetoDust_21 Start: 12093, Stop: 15926, Start Num: 16
Candidate Starts for CheetoDust_21:

(Start: 16 @12093 has 111 MA's), (25, 12162), (31, 12249), (60, 12426), (66, 12453), (82, 12525), (83, 12537), (84, 12546), (95, 12618), (108, 12693), (127, 12777), (129, 12786), (132, 12807), (138, 12846), (149, 12924), (162, 13002), (166, 13026), (175, 13092), (185, 13167), (199, 13260), (201, 13269), (203, 13281), (204, 13290), (247, 13527), (258, 13566), (267, 13599), (284, 13686), (290, 13710), (302, 13794), (316, 13878), (319, 13890), (323, 13911), (393, 14067), (408, 14148), (412, 14172), (417, 14196), (420, 14214), (423, 14235), (428, 14271), (434, 14322), (444, 14379), (454, 14457), (457, 14466), (475, 14544), (477, 14559), (482, 14601), (489, 14655), (519, 14895), (534, 14970), (549, 15081), (561, 15300), (563, 15312), (578, 15495), (579, 15504), (587, 15576), (594, 15606), (601, 15627), (619, 15747), (626, 15819), (629, 15837), (630, 15843),

Gene: Cherrybomb426_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Cherrybomb426_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Chris_20 Start: 11071, Stop: 15138, Start Num: 17
Candidate Starts for Chris_20:
(Start: 17 @11071 has 40 MA's), (28, 11164), (41, 11296), (45, 11323), (46, 11332), (47, 11338), (69, 11434), (93, 11563), (96, 11581), (97, 11584), (101, 11611), (105, 11641), (123, 11722), (130, 11752), (133, 11776), (143, 11839), (146, 11854), (161, 11950), (162, 11953), (170, 11995), (181, 12064), (206, 12247), (208, 12256), (218, 12298), (219, 12310), (232, 12400), (235, 12412), (236, 12418), (240, 12433), (244, 12451), (245, 12454), (250, 12484), (251, 12487), (282, 12610), (284, 12622), (285, 12628), (289, 12643), (291, 12649), (317, 12733), (324, 12802), (344, 12967), (350, 13015), (354, 13030), (369, 13105), (377, 13156), (380, 13177), (389, 13213), (393, 13237), (401, 13267), (420, 13384), (422, 13396), (423, 13405), (430, 13459), (434, 13492), (444, 13549), (454, 13627), (455, 13630), (475, 13714), (479, 13741), (484, 13789), (489, 13825), (493, 13864), (509, 13969), (519, 14065), (526, 14107), (534, 14140), (561, 14482), (578, 14680), (590, 14794), (619, 14968), (626, 15052), (630, 15073),

Gene: Clipper_21 Start: 12093, Stop: 15926, Start Num: 16
Candidate Starts for Clipper_21:
(Start: 16 @12093 has 111 MA's), (25, 12162), (31, 12249), (60, 12426), (66, 12453), (83, 12537), (84, 12546), (95, 12618), (108, 12693), (127, 12777), (129, 12786), (132, 12807), (138, 12846), (149, 12924), (162, 13002), (175, 13092), (185, 13167), (199, 13260), (201, 13269), (203, 13281), (204, 13290), (247, 13527), (258, 13566), (267, 13599), (284, 13686), (290, 13710), (302, 13794), (316, 13878), (319, 13890), (323, 13911), (393, 14067), (408, 14148), (412, 14172), (417, 14196), (420, 14214), (423, 14235), (428, 14271), (434, 14322), (444, 14379), (454, 14457), (457, 14466), (475, 14544), (477, 14559), (482, 14601), (489, 14655), (519, 14895), (534, 14970), (549, 15081), (561, 15300), (563, 15312), (578, 15495), (579, 15504), (587, 15576), (594, 15606), (601, 15627), (619, 15747), (626, 15819), (629, 15837), (630, 15843),

Gene: Cloudyecho_16 Start: 11718, Stop: 15656, Start Num: 17
Candidate Starts for Cloudyecho_16:
(Start: 17 @11718 has 40 MA's), (27, 11811), (28, 11814), (35, 11919), (36, 11922), (39, 11937), (46, 11985), (53, 12012), (59, 12042), (65, 12069), (88, 12189), (90, 12204), (93, 12216), (96, 12234), (103, 12279), (122, 12357), (123, 12366), (139, 12453), (143, 12495), (146, 12510), (151, 12540), (162,

12609), (164, 12621), (181, 12720), (194, 12834), (200, 12861), (206, 12903), (213, 12933), (218, 12954), (223, 12996), (235, 13068), (236, 13074), (240, 13089), (244, 13107), (245, 13110), (260, 13170), (270, 13215), (277, 13239), (280, 13257), (284, 13278), (290, 13302), (293, 13314), (294, 13317), (302, 13374), (312, 13446), (319, 13488), (332, 13590), (336, 13647), (351, 13767), (356, 13788), (378, 13908), (389, 13959), (404, 14034), (411, 14076), (421, 14139), (425, 14172), (448, 14295), (459, 14379), (462, 14394), (468, 14418), (478, 14460), (479, 14469), (483, 14514), (485, 14529), (494, 14610), (496, 14619), (510, 14712), (514, 14766), (515, 14769), (517, 14802), (572, 15270), (573, 15297), (575, 15324), (578, 15339), (579, 15348), (627, 15564), (630, 15582), (636, 15621),

Gene: Coleslaw_16 Start: 11455, Stop: 15468, Start Num: 15
Candidate Starts for Coleslaw_16:
(Start: 15 @11455 has 65 MA's), (35, 11656), (56, 11770), (66, 11812), (74, 11842), (95, 11977), (98, 11989), (100, 11998), (135, 12187), (138, 12205), (139, 12208), (141, 12229), (142, 12241), (154, 12313), (162, 12361), (182, 12493), (184, 12517), (195, 12598), (220, 12721), (231, 12805), (239, 12841), (247, 12886), (248, 12892), (275, 13000), (280, 13024), (284, 13045), (322, 13264), (338, 13414), (347, 13501), (368, 13609), (393, 13744), (414, 13855), (417, 13873), (422, 13903), (452, 14125), (459, 14149), (462, 14164), (467, 14185), (475, 14212), (479, 14239), (485, 14299), (496, 14389), (500, 14422), (510, 14485), (515, 14542), (518, 14575), (520, 14584), (572, 15088), (573, 15115), (576, 15145), (578, 15157), (579, 15166), (596, 15235), (617, 15316), (627, 15376), (630, 15394), (632, 15403),

Gene: Collard_19 Start: 12197, Stop: 16303, Start Num: 13
Candidate Starts for Collard_19:
(Start: 13 @12197 has 22 MA's), (26, 12290), (32, 12368), (34, 12392), (42, 12452), (62, 12536), (64, 12548), (84, 12650), (94, 12710), (95, 12722), (100, 12743), (108, 12797), (119, 12845), (129, 12890), (132, 12911), (149, 13028), (162, 13106), (166, 13130), (175, 13196), (185, 13271), (199, 13364), (204, 13394), (235, 13568), (237, 13577), (243, 13607), (247, 13631), (251, 13652), (269, 13712), (284, 13790), (286, 13799), (301, 13877), (310, 13943), (317, 13985), (319, 13994), (326, 14078), (333, 14099), (335, 14132), (342, 14198), (344, 14219), (351, 14273), (354, 14282), (358, 14300), (362, 14318), (363, 14327), (369, 14357), (375, 14393), (384, 14447), (392, 14483), (393, 14489), (395, 14507), (416, 14612), (425, 14678), (456, 14873), (464, 14903), (474, 14936), (481, 14987), (483, 15008), (485, 15023), (486, 15029), (496, 15113), (502, 15161), (508, 15200), (513, 15260), (518, 15293), (522, 15314), (525, 15338), (533, 15368), (546, 15434), (551, 15506), (570, 15821), (571, 15830), (572, 15833), (574, 15875), (578, 15902), (583, 15932), (587, 15983), (592, 16001), (605, 16067), (616, 16115), (619, 16139), (620, 16151), (631, 16232), (635, 16256), (640, 16295),

Gene: Crespo_16 Start: 11465, Stop: 15478, Start Num: 15
Candidate Starts for Crespo_16:
(Start: 15 @11465 has 65 MA's), (35, 11666), (56, 11780), (66, 11822), (74, 11852), (95, 11987), (98, 11999), (100, 12008), (135, 12197), (138, 12215), (139, 12218), (141, 12239), (142, 12251), (154, 12323), (162, 12371), (182, 12503), (184, 12527), (195, 12608), (220, 12731), (231, 12815), (239, 12851), (247, 12896), (248, 12902), (275, 13010), (280, 13034), (284, 13055), (322, 13274), (338, 13424), (347, 13511), (368, 13619), (393, 13754), (414, 13865), (417, 13883), (422, 13913), (452, 14135), (459, 14159), (462, 14174), (467, 14195), (475, 14222), (479, 14249), (485, 14309), (496, 14399), (500, 14432), (510, 14495), (515, 14552), (518, 14585), (520, 14594), (572, 15098), (573, 15125), (576, 15155), (578, 15167), (579, 15176), (596, 15245), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: CrimD_21 Start: 12051, Stop: 15887, Start Num: 16
Candidate Starts for CrimD_21:
(Start: 16 @12051 has 111 MA's), (25, 12120), (31, 12207), (60, 12387), (66, 12414), (83, 12498), (84, 12507), (94, 12567), (95, 12579), (108, 12654), (118, 12696), (127, 12738), (129, 12747), (132,

12768), (138, 12807), (149, 12885), (162, 12963), (185, 13128), (199, 13221), (201, 13230), (203, 13242), (204, 13251), (247, 13488), (252, 13512), (258, 13527), (267, 13560), (284, 13647), (290, 13671), (302, 13755), (316, 13839), (319, 13851), (323, 13872), (332, 13953), (391, 14010), (393, 14028), (408, 14109), (417, 14157), (420, 14175), (422, 14187), (423, 14196), (428, 14232), (434, 14283), (444, 14340), (454, 14418), (475, 14505), (477, 14520), (482, 14562), (489, 14616), (519, 14856), (534, 14931), (549, 15042), (561, 15261), (563, 15273), (570, 15375), (578, 15456), (579, 15465), (587, 15537), (594, 15567), (601, 15588), (619, 15708), (626, 15780), (629, 15798), (630, 15804),

Gene: Curiosium_22 Start: 11510, Stop: 15637, Start Num: 17
Candidate Starts for Curiosium_22:
(Start: 17 @11510 has 40 MA's), (22, 11537), (28, 11603), (41, 11735), (44, 11759), (50, 11789), (55, 11810), (58, 11822), (71, 11879), (72, 11882), (86, 11969), (93, 12002), (96, 12020), (97, 12023), (103, 12065), (114, 12110), (139, 12239), (143, 12281), (146, 12296), (147, 12305), (152, 12332), (162, 12395), (169, 12425), (181, 12506), (186, 12557), (199, 12644), (206, 12689), (216, 12731), (217, 12734), (218, 12740), (223, 12782), (232, 12842), (235, 12854), (236, 12860), (240, 12875), (244, 12893), (245, 12896), (248, 12914), (251, 12929), (268, 12989), (274, 13010), (277, 13025), (284, 13064), (288, 13082), (289, 13085), (316, 13262), (319, 13274), (321, 13283), (324, 13334), (332, 13376), (344, 13499), (346, 13523), (362, 13598), (373, 13664), (389, 13745), (401, 13799), (404, 13820), (407, 13838), (414, 13880), (417, 13898), (421, 13925), (423, 13937), (428, 13973), (430, 13991), (438, 14036), (454, 14165), (455, 14168), (475, 14252), (477, 14267), (481, 14306), (482, 14309), (489, 14363), (493, 14402), (503, 14468), (519, 14603), (541, 14729), (565, 15044), (570, 15125), (571, 15134), (578, 15206), (619, 15458), (626, 15530), (630, 15554), (635, 15581),

Gene: DMoney_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for DMoney_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: DNAIII_0016 Start: 11473, Stop: 15486, Start Num: 15
Candidate Starts for DNAIII_0016:
(Start: 15 @11473 has 65 MA's), (35, 11674), (56, 11788), (66, 11830), (74, 11860), (95, 11995), (98, 12007), (100, 12016), (135, 12205), (138, 12223), (139, 12226), (141, 12247), (142, 12259), (154, 12331), (162, 12379), (182, 12511), (184, 12535), (195, 12616), (220, 12739), (231, 12823), (239, 12859), (247, 12904), (248, 12910), (275, 13018), (280, 13042), (284, 13063), (322, 13282), (338, 13432), (347, 13519), (368, 13627), (393, 13762), (414, 13873), (417, 13891), (422, 13921), (452, 14143), (459, 14167), (462, 14182), (467, 14203), (475, 14230), (479, 14257), (485, 14317), (496, 14407), (500, 14440), (510, 14503), (515, 14560), (518, 14593), (520, 14602), (572, 15106), (573, 15133), (576, 15163), (578, 15175), (579, 15184), (596, 15253), (617, 15334), (627, 15394), (630, 15412), (632, 15421),

Gene: Dadosky_19 Start: 12113, Stop: 16225, Start Num: 13
Candidate Starts for Dadosky_19:
(Start: 13 @12113 has 22 MA's), (26, 12206), (32, 12284), (34, 12308), (42, 12368), (62, 12452), (84, 12566), (94, 12626), (95, 12638), (100, 12659), (108, 12713), (119, 12761), (129, 12806), (132, 12827), (149, 12944), (162, 13022), (166, 13046), (172, 13088), (175, 13112), (185, 13187), (199,

13280), (204, 13310), (235, 13484), (243, 13523), (247, 13547), (251, 13568), (269, 13628), (284, 13706), (301, 13793), (310, 13859), (317, 13901), (319, 13910), (326, 13994), (333, 14015), (335, 14048), (342, 14114), (344, 14135), (351, 14189), (354, 14198), (358, 14216), (363, 14243), (369, 14273), (375, 14309), (392, 14399), (393, 14405), (395, 14423), (416, 14528), (425, 14594), (456, 14789), (464, 14819), (474, 14852), (481, 14903), (483, 14924), (485, 14939), (486, 14945), (496, 15029), (502, 15077), (508, 15116), (513, 15176), (518, 15209), (522, 15230), (525, 15254), (533, 15284), (546, 15350), (551, 15422), (570, 15737), (571, 15746), (572, 15749), (573, 15776), (574, 15791), (576, 15806), (578, 15818), (583, 15848), (587, 15902), (592, 15920), (605, 15989), (616, 16037), (619, 16061), (620, 16073), (621, 16082), (631, 16154), (635, 16178), (640, 16217),

Gene: Dalmuri_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Dalmuri_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Darionha_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Darionha_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: DartGoblin_21 Start: 12003, Stop: 15842, Start Num: 16
Candidate Starts for DartGoblin_21:
(Start: 16 @12003 has 111 MA's), (25, 12072), (31, 12159), (60, 12339), (66, 12366), (83, 12450), (84, 12459), (94, 12519), (95, 12531), (108, 12606), (118, 12648), (127, 12690), (129, 12699), (132, 12720), (138, 12759), (139, 12762), (149, 12837), (162, 12915), (185, 13080), (199, 13173), (203, 13194), (204, 13203), (247, 13440), (252, 13464), (258, 13479), (267, 13512), (284, 13599), (301, 13686), (302, 13707), (316, 13791), (319, 13803), (323, 13824), (393, 13980), (408, 14061), (420, 14127), (423, 14148), (428, 14184), (434, 14235), (439, 14253), (444, 14292), (454, 14370), (457, 14379), (475, 14457), (477, 14472), (482, 14514), (489, 14568), (519, 14808), (534, 14883), (549, 14994), (551, 15015), (552, 15036), (559, 15156), (570, 15330), (578, 15411), (579, 15420), (587, 15492), (594, 15522), (601, 15543), (619, 15663), (626, 15735), (629, 15753), (630, 15759),

Gene: DarthP_20 Start: 12196, Stop: 16335, Start Num: 16
Candidate Starts for DarthP_20:
(10, 12151), (Start: 16 @12196 has 111 MA's), (25, 12265), (31, 12352), (40, 12427), (60, 12529), (62, 12535), (66, 12556), (75, 12589), (79, 12601), (83, 12640), (84, 12649), (94, 12709), (95, 12721), (100, 12742), (108, 12796), (115, 12826), (129, 12889), (132, 12910), (138, 12949), (149, 13027), (162, 13105), (166, 13129), (191, 13303), (195, 13342), (196, 13351), (197, 13354), (203, 13384), (225, 13507), (229, 13522), (233, 13561), (243, 13606), (247, 13630), (273, 13732), (275, 13744), (277,

13750), (284, 13789), (305, 13915), (307, 13930), (311, 13966), (314, 13978), (321, 14023), (333, 14119), (362, 14338), (369, 14377), (371, 14398), (389, 14485), (393, 14509), (400, 14536), (401, 14539), (406, 14569), (414, 14620), (420, 14656), (434, 14764), (454, 14899), (455, 14902), (470, 14968), (472, 14974), (479, 15013), (488, 15085), (490, 15091), (492, 15112), (504, 15196), (507, 15226), (511, 15247), (512, 15259), (519, 15340), (524, 15373), (525, 15382), (528, 15388), (537, 15430), (538, 15448), (540, 15481), (542, 15487), (550, 15532), (561, 15742), (570, 15841), (571, 15850), (572, 15853), (578, 15922), (601, 16057), (609, 16126), (619, 16174), (630, 16270), (636, 16309),

Gene: Dartin_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for Dartin_21:
(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146, 11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375, 13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417, 13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: Deby_21 Start: 12050, Stop: 15883, Start Num: 16
Candidate Starts for Deby_21:
(Start: 16 @12050 has 111 MA's), (25, 12119), (31, 12206), (60, 12383), (66, 12410), (83, 12494), (84, 12503), (95, 12575), (108, 12650), (127, 12734), (129, 12743), (132, 12764), (138, 12803), (149, 12881), (162, 12959), (175, 13049), (185, 13124), (199, 13217), (203, 13238), (204, 13247), (247, 13484), (258, 13523), (267, 13556), (284, 13643), (290, 13667), (302, 13751), (316, 13835), (319, 13847), (323, 13868), (393, 14024), (408, 14105), (417, 14153), (420, 14171), (423, 14192), (428, 14228), (434, 14279), (444, 14336), (454, 14414), (457, 14423), (475, 14501), (477, 14516), (482, 14558), (489, 14612), (519, 14852), (534, 14927), (549, 15038), (561, 15257), (563, 15269), (578, 15452), (579, 15461), (594, 15563), (601, 15584), (619, 15704), (626, 15776), (629, 15794), (630, 15800),

Gene: Devera_21 Start: 12075, Stop: 15929, Start Num: 16
Candidate Starts for Devera_21:
(Start: 16 @12075 has 111 MA's), (25, 12144), (31, 12231), (60, 12411), (66, 12438), (83, 12522), (84, 12531), (94, 12591), (95, 12603), (108, 12678), (118, 12720), (127, 12762), (129, 12771), (132, 12792), (138, 12831), (149, 12909), (156, 12951), (162, 12987), (185, 13152), (199, 13245), (203, 13266), (204, 13275), (252, 13557), (258, 13572), (267, 13605), (284, 13692), (302, 13800), (316, 13884), (319, 13896), (323, 13917), (393, 14073), (408, 14154), (417, 14202), (420, 14220), (423, 14241), (428, 14277), (434, 14328), (444, 14385), (454, 14463), (457, 14472), (475, 14550), (477, 14565), (482, 14607), (489, 14661), (505, 14778), (519, 14901), (534, 14976), (552, 15129), (561, 15306), (570, 15420), (578, 15501), (579, 15510), (587, 15582), (594, 15612), (601, 15633), (619, 15750), (626, 15822), (630, 15846),

Gene: DingDing_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for DingDing_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154,

12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: DismalFunk_17 Start: 10116, Stop: 13784, Start Num: 14
Candidate Starts for DismalFunk_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (381, 11946), (402, 12012), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (566, 13251), (570, 13281), (571, 13290), (573, 13320), (598, 13485), (619, 13614), (630, 13707),

Gene: DismalStressor_17 Start: 10116, Stop: 13784, Start Num: 14
Candidate Starts for DismalStressor_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (381, 11946), (402, 12012), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (566, 13251), (570, 13281), (571, 13290), (573, 13320), (598, 13485), (619, 13614), (630, 13707),

Gene: Dole_21 Start: 12077, Stop: 15931, Start Num: 16
Candidate Starts for Dole_21:
(Start: 16 @12077 has 111 MA's), (25, 12146), (31, 12233), (60, 12413), (66, 12440), (83, 12524), (84, 12533), (94, 12593), (95, 12605), (108, 12680), (118, 12722), (127, 12764), (129, 12773), (132, 12794), (138, 12833), (149, 12911), (156, 12953), (162, 12989), (185, 13154), (199, 13247), (203, 13268), (204, 13277), (252, 13559), (258, 13574), (267, 13607), (284, 13694), (302, 13802), (316, 13886), (319, 13898), (323, 13919), (393, 14075), (408, 14156), (417, 14204), (420, 14222), (423, 14243), (428, 14279), (434, 14330), (444, 14387), (454, 14465), (457, 14474), (475, 14552), (477, 14567), (482, 14609), (489, 14663), (505, 14780), (519, 14903), (534, 14978), (552, 15131), (561, 15308), (570, 15422), (578, 15503), (579, 15512), (587, 15584), (594, 15614), (601, 15635), (619, 15752), (626, 15824), (630, 15848),

Gene: DoubleChamp_19 Start: 12197, Stop: 16303, Start Num: 13
Candidate Starts for DoubleChamp_19:
(Start: 13 @12197 has 22 MA's), (26, 12290), (32, 12368), (34, 12392), (42, 12452), (62, 12536), (64, 12548), (84, 12650), (94, 12710), (95, 12722), (100, 12743), (108, 12797), (119, 12845), (129, 12890), (132, 12911), (149, 13028), (162, 13106), (166, 13130), (175, 13196), (185, 13271), (199, 13364), (204, 13394), (235, 13568), (237, 13577), (243, 13607), (247, 13631), (251, 13652), (269, 13712), (284, 13790), (286, 13799), (301, 13877), (310, 13943), (317, 13985), (319, 13994), (326, 14078),

(333, 14099), (335, 14132), (342, 14198), (344, 14219), (351, 14273), (354, 14282), (358, 14300), (362, 14318), (363, 14327), (369, 14357), (375, 14393), (384, 14447), (392, 14483), (393, 14489), (395, 14507), (416, 14612), (425, 14678), (456, 14873), (464, 14903), (474, 14936), (481, 14987), (483, 15008), (485, 15023), (486, 15029), (496, 15113), (502, 15161), (508, 15200), (513, 15260), (518, 15293), (522, 15314), (525, 15338), (533, 15368), (546, 15434), (551, 15506), (570, 15821), (571, 15830), (572, 15833), (574, 15875), (578, 15902), (583, 15932), (587, 15983), (592, 16001), (605, 16067), (616, 16115), (619, 16139), (620, 16151), (631, 16232), (635, 16256), (640, 16295),

Gene: Doughnut_17 Start: 10138, Stop: 13812, Start Num: 14
Candidate Starts for Doughnut_17:
(Start: 14 @10138 has 10 MA's), (25, 10210), (70, 10444), (82, 10495), (95, 10588), (108, 10663), (129, 10756), (132, 10777), (135, 10798), (136, 10804), (149, 10894), (156, 10936), (162, 10972), (169, 11005), (170, 11017), (173, 11041), (175, 11062), (180, 11086), (181, 11092), (184, 11128), (185, 11137), (191, 11170), (193, 11182), (195, 11209), (231, 11392), (233, 11404), (235, 11410), (243, 11449), (247, 11473), (274, 11506), (289, 11524), (292, 11533), (303, 11566), (328, 11755), (329, 11761), (334, 11797), (340, 11824), (345, 11842), (353, 11860), (381, 11968), (390, 12001), (402, 12034), (415, 12088), (420, 12121), (423, 12142), (426, 12166), (431, 12196), (433, 12217), (482, 12439), (493, 12532), (505, 12610), (519, 12733), (543, 12886), (566, 13273), (570, 13303), (571, 13312), (573, 13342), (581, 13402), (598, 13510), (619, 13642), (630, 13735),

Gene: DrHayes_21 Start: 12024, Stop: 15863, Start Num: 16
Candidate Starts for DrHayes_21:
(Start: 16 @12024 has 111 MA's), (25, 12093), (31, 12180), (60, 12360), (66, 12387), (83, 12471), (84, 12480), (94, 12540), (95, 12552), (108, 12627), (120, 12678), (129, 12720), (132, 12741), (138, 12780), (149, 12858), (162, 12936), (166, 12960), (185, 13101), (199, 13194), (203, 13215), (204, 13224), (247, 13461), (252, 13485), (258, 13500), (267, 13533), (284, 13620), (301, 13707), (302, 13728), (316, 13812), (319, 13824), (323, 13845), (393, 14001), (408, 14082), (420, 14148), (423, 14169), (428, 14205), (434, 14256), (439, 14274), (444, 14313), (454, 14391), (475, 14478), (477, 14493), (482, 14535), (489, 14589), (519, 14829), (534, 14904), (549, 15015), (551, 15036), (552, 15057), (559, 15177), (570, 15351), (578, 15432), (579, 15441), (587, 15513), (594, 15543), (601, 15564), (619, 15684), (626, 15756), (629, 15774), (630, 15780),

Gene: Durfee_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Durfee_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: ECartman_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for ECartman_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573,

15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Edugator_18 Start: 12113, Stop: 16225, Start Num: 13
Candidate Starts for Edugator_18:
(Start: 11 @12092 has 1 MA's), (Start: 13 @12113 has 22 MA's), (26, 12206), (32, 12284), (34, 12308), (42, 12368), (62, 12452), (84, 12566), (94, 12626), (95, 12638), (100, 12659), (108, 12713), (119, 12761), (129, 12806), (132, 12827), (149, 12944), (162, 13022), (166, 13046), (172, 13088), (175, 13112), (185, 13187), (199, 13280), (204, 13310), (235, 13484), (243, 13523), (247, 13547), (251, 13568), (269, 13628), (284, 13706), (301, 13793), (310, 13859), (317, 13901), (319, 13910), (326, 13994), (333, 14015), (335, 14048), (342, 14114), (344, 14135), (351, 14189), (354, 14198), (358, 14216), (363, 14243), (369, 14273), (375, 14309), (392, 14399), (393, 14405), (395, 14423), (416, 14528), (425, 14594), (456, 14789), (464, 14819), (474, 14852), (481, 14903), (483, 14924), (485, 14939), (486, 14945), (496, 15029), (502, 15077), (508, 15116), (513, 15176), (518, 15209), (522, 15230), (525, 15254), (533, 15284), (546, 15350), (551, 15422), (570, 15737), (571, 15746), (572, 15749), (573, 15776), (574, 15791), (576, 15806), (578, 15818), (583, 15848), (587, 15902), (592, 15920), (605, 15989), (616, 16037), (619, 16061), (620, 16073), (621, 16082), (631, 16154), (635, 16178), (640, 16217),

Gene: Efra2_21 Start: 11000, Stop: 15127, Start Num: 17
Candidate Starts for Efra2_21:
(10, 10952), (Start: 17 @11000 has 40 MA's), (28, 11093), (41, 11225), (44, 11249), (50, 11279), (55, 11300), (58, 11312), (72, 11372), (86, 11459), (93, 11492), (96, 11510), (97, 11513), (110, 11585), (139, 11729), (143, 11771), (146, 11786), (152, 11822), (163, 11894), (181, 11996), (206, 12179), (212, 12206), (217, 12224), (218, 12230), (223, 12272), (235, 12344), (236, 12350), (240, 12365), (245, 12386), (248, 12404), (251, 12419), (265, 12467), (274, 12500), (277, 12515), (284, 12554), (289, 12575), (296, 12605), (321, 12773), (324, 12824), (344, 12989), (346, 13013), (358, 13070), (367, 13121), (373, 13154), (375, 13163), (389, 13235), (404, 13310), (407, 13328), (414, 13370), (417, 13388), (421, 13415), (423, 13427), (441, 13556), (445, 13574), (454, 13655), (455, 13658), (475, 13742), (481, 13796), (482, 13799), (493, 13892), (503, 13958), (519, 14093), (541, 14219), (570, 14615), (571, 14624), (578, 14696), (587, 14780), (594, 14810), (599, 14831), (619, 14948), (626, 15020), (630, 15044), (636, 15083),

Gene: Ekdilam_18 Start: 11907, Stop: 16097, Start Num: 16
Candidate Starts for Ekdilam_18:
(10, 11862), (Start: 16 @11907 has 111 MA's), (25, 11976), (31, 12063), (40, 12138), (60, 12240), (66, 12267), (75, 12300), (79, 12312), (83, 12351), (94, 12420), (95, 12432), (100, 12453), (108, 12507), (113, 12531), (115, 12537), (129, 12600), (132, 12621), (138, 12660), (141, 12684), (149, 12738), (162, 12816), (166, 12840), (177, 12915), (191, 13014), (195, 13053), (197, 13065), (203, 13095), (225, 13218), (229, 13233), (233, 13272), (237, 13287), (247, 13341), (275, 13455), (276, 13458), (284, 13500), (289, 13521), (305, 13626), (307, 13641), (309, 13656), (311, 13677), (314, 13689), (321, 13734), (333, 13830), (344, 13950), (369, 14088), (371, 14109), (389, 14196), (393, 14220), (400, 14247), (401, 14250), (406, 14280), (414, 14331), (420, 14367), (434, 14475), (454, 14610), (455, 14613), (470, 14679), (472, 14685), (479, 14724), (488, 14796), (490, 14802), (492, 14823), (504, 14907), (507, 14937), (511, 14958), (512, 14970), (519, 15051), (524, 15084), (525, 15093), (528, 15099), (537, 15141), (538, 15159), (540, 15192), (542, 15198), (561, 15486), (570, 15600), (571, 15609), (572, 15612), (578, 15681), (601, 15813), (619, 15933), (627, 16011), (630, 16032), (636, 16071),

Gene: Ellie_18 Start: 11944, Stop: 16092, Start Num: 16
Candidate Starts for Ellie_18:
(Start: 16 @11944 has 111 MA's), (25, 12013), (40, 12175), (60, 12277), (62, 12283), (66, 12304), (94, 12457), (95, 12469), (108, 12544), (115, 12574), (129, 12637), (132, 12658), (138, 12697), (149,

12775), (162, 12853), (166, 12877), (175, 12943), (185, 13018), (199, 13111), (217, 13192), (226, 13255), (233, 13309), (234, 13312), (238, 13330), (241, 13342), (251, 13399), (261, 13426), (267, 13450), (271, 13471), (275, 13492), (284, 13537), (310, 13711), (333, 13867), (344, 13987), (349, 14029), (350, 14035), (364, 14107), (369, 14125), (371, 14146), (393, 14257), (406, 14317), (411, 14350), (414, 14368), (417, 14386), (420, 14404), (422, 14416), (428, 14461), (434, 14512), (444, 14560), (454, 14638), (475, 14725), (476, 14731), (477, 14740), (483, 14797), (484, 14800), (493, 14875), (503, 14941), (519, 15076), (531, 15136), (534, 15151), (535, 15157), (571, 15607), (578, 15679), (579, 15688), (590, 15775), (619, 15928), (630, 16027), (635, 16054), (636, 16066),

Gene: Emerson_21 Start: 12076, Stop: 15909, Start Num: 16
Candidate Starts for Emerson_21:
(Start: 16 @12076 has 111 MA's), (25, 12145), (31, 12232), (40, 12307), (60, 12409), (66, 12436), (82, 12508), (83, 12520), (84, 12529), (95, 12601), (108, 12676), (127, 12760), (129, 12769), (132, 12790), (138, 12829), (149, 12907), (162, 12985), (175, 13075), (185, 13150), (199, 13243), (201, 13252), (203, 13264), (204, 13273), (247, 13510), (258, 13549), (267, 13582), (284, 13669), (290, 13693), (302, 13777), (316, 13861), (319, 13873), (323, 13894), (393, 14050), (408, 14131), (417, 14179), (420, 14197), (423, 14218), (428, 14254), (434, 14305), (444, 14362), (454, 14440), (457, 14449), (475, 14527), (477, 14542), (482, 14584), (489, 14638), (519, 14878), (534, 14953), (549, 15064), (561, 15283), (563, 15295), (578, 15478), (579, 15487), (587, 15559), (594, 15589), (601, 15610), (619, 15730), (626, 15802), (629, 15820), (630, 15826),

Gene: Enkosi_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Enkosi_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: Fefferhead_20 Start: 12111, Stop: 16259, Start Num: 16
Candidate Starts for Fefferhead_20:
(Start: 16 @12111 has 111 MA's), (25, 12180), (40, 12342), (60, 12444), (62, 12450), (66, 12471), (94, 12624), (95, 12636), (108, 12711), (129, 12804), (132, 12825), (138, 12864), (149, 12942), (162, 13020), (166, 13044), (174, 13098), (175, 13110), (185, 13185), (199, 13278), (217, 13359), (226, 13422), (233, 13476), (238, 13497), (241, 13509), (247, 13545), (251, 13566), (258, 13584), (267, 13617), (271, 13638), (272, 13644), (275, 13659), (277, 13665), (284, 13704), (310, 13878), (333, 14034), (349, 14196), (350, 14202), (362, 14253), (369, 14292), (371, 14313), (393, 14424), (406, 14484), (411, 14517), (414, 14535), (417, 14553), (420, 14571), (422, 14583), (428, 14628), (434, 14679), (444, 14727), (454, 14805), (457, 14814), (475, 14892), (476, 14898), (477, 14907), (483, 14964), (484, 14967), (493, 15042), (503, 15108), (519, 15243), (531, 15303), (534, 15318), (535, 15324), (571, 15774), (578, 15846), (579, 15855), (590, 15942), (619, 16095), (630, 16194), (635, 16221), (636, 16233),

Gene: Feyre_19 Start: 12055, Stop: 16164, Start Num: 13
Candidate Starts for Feyre_19:
(Start: 13 @12055 has 22 MA's), (42, 12313), (62, 12397), (79, 12463), (82, 12490), (84, 12511), (94, 12571), (95, 12583), (100, 12604), (108, 12658), (115, 12688), (129, 12751), (132, 12772), (149, 12889), (156, 12931), (157, 12934), (162, 12967), (169, 13000), (199, 13225), (202, 13237), (203, 13246), (222, 13324), (231, 13387), (234, 13402), (235, 13405), (237, 13414), (238, 13420), (241,

13432), (242, 13435), (247, 13468), (250, 13486), (252, 13492), (277, 13588), (284, 13627), (310, 13780), (317, 13822), (322, 13846), (333, 13936), (335, 13969), (351, 14110), (354, 14119), (358, 14137), (363, 14164), (376, 14242), (393, 14326), (416, 14449), (425, 14515), (440, 14617), (456, 14710), (460, 14719), (464, 14740), (474, 14773), (481, 14824), (483, 14845), (485, 14860), (486, 14866), (496, 14950), (499, 14980), (502, 14998), (508, 15037), (513, 15097), (518, 15130), (522, 15151), (525, 15175), (533, 15208), (546, 15292), (551, 15364), (570, 15673), (574, 15727), (576, 15742), (578, 15754), (583, 15784), (616, 15970), (619, 15994), (620, 16006), (631, 16093), (635, 16117),

Gene: Findley_17 Start: 10116, Stop: 13787, Start Num: 14
Candidate Starts for Findley_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (359, 11850), (381, 11946), (390, 11979), (403, 12015), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (469, 12339), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (570, 13284), (571, 13293), (573, 13323), (598, 13488), (619, 13617), (630, 13710),

Gene: Frosty24_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Frosty24_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Ganymede_22 Start: 12096, Stop: 15929, Start Num: 16
Candidate Starts for Ganymede_22:
(Start: 16 @12096 has 111 MA's), (25, 12165), (31, 12252), (60, 12429), (66, 12456), (83, 12540), (84, 12549), (95, 12621), (108, 12696), (127, 12780), (129, 12789), (132, 12810), (138, 12849), (149, 12927), (162, 13005), (175, 13095), (185, 13170), (199, 13263), (203, 13284), (204, 13293), (247, 13530), (258, 13569), (267, 13602), (284, 13689), (290, 13713), (302, 13797), (316, 13881), (319, 13893), (323, 13914), (393, 14070), (408, 14151), (417, 14199), (420, 14217), (423, 14238), (428, 14274), (434, 14325), (444, 14382), (454, 14460), (457, 14469), (475, 14547), (482, 14604), (489, 14658), (519, 14898), (534, 14973), (549, 15084), (561, 15303), (563, 15315), (578, 15498), (579, 15507), (587, 15579), (594, 15609), (601, 15630), (619, 15750), (626, 15822), (629, 15840), (630, 15846),

Gene: Gengar_19 Start: 12162, Stop: 16271, Start Num: 13
Candidate Starts for Gengar_19:
(Start: 13 @12162 has 22 MA's), (42, 12420), (62, 12504), (79, 12570), (84, 12618), (94, 12678), (95, 12690), (100, 12711), (108, 12765), (115, 12795), (129, 12858), (132, 12879), (140, 12936), (149, 12996), (162, 13074), (166, 13098), (172, 13140), (177, 13173), (199, 13332), (203, 13353), (222, 13431), (231, 13494), (234, 13509), (235, 13512), (237, 13521), (238, 13527), (241, 13539), (247, 13575), (250, 13593), (277, 13695), (284, 13734), (310, 13887), (317, 13929), (322, 13953), (333,

14043), (335, 14076), (342, 14142), (351, 14217), (354, 14226), (358, 14244), (363, 14271), (376, 14349), (393, 14433), (416, 14556), (425, 14622), (440, 14724), (456, 14817), (464, 14847), (473, 14874), (474, 14880), (481, 14931), (483, 14952), (485, 14967), (486, 14973), (496, 15057), (499, 15087), (502, 15105), (508, 15144), (513, 15204), (518, 15237), (522, 15258), (525, 15282), (533, 15315), (546, 15399), (551, 15471), (570, 15780), (574, 15834), (576, 15849), (578, 15861), (583, 15891), (616, 16077), (619, 16101), (620, 16113), (631, 16200), (635, 16224),

Gene: Geraldini_21 Start: 12092, Stop: 15925, Start Num: 16
Candidate Starts for Geraldini_21:
(Start: 16 @12092 has 111 MA's), (25, 12161), (26, 12182), (31, 12248), (60, 12425), (66, 12452), (82, 12524), (83, 12536), (84, 12545), (95, 12617), (108, 12692), (127, 12776), (129, 12785), (132, 12806), (138, 12845), (149, 12923), (162, 13001), (175, 13091), (185, 13166), (199, 13259), (201, 13268), (203, 13280), (204, 13289), (247, 13526), (258, 13565), (267, 13598), (284, 13685), (290, 13709), (302, 13793), (316, 13877), (319, 13889), (323, 13910), (393, 14066), (408, 14147), (417, 14195), (420, 14213), (423, 14234), (428, 14270), (434, 14321), (444, 14378), (454, 14456), (457, 14465), (475, 14543), (477, 14558), (482, 14600), (489, 14654), (519, 14894), (534, 14969), (549, 15080), (561, 15299), (563, 15311), (578, 15494), (579, 15503), (587, 15575), (594, 15605), (601, 15626), (619, 15746), (626, 15818), (629, 15836), (630, 15842),

Gene: Gideon_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Gideon_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: GodSpeed_17 Start: 11597, Stop: 15640, Start Num: 17
Candidate Starts for GodSpeed_17:
(Start: 17 @11597 has 40 MA's), (27, 11690), (30, 11720), (42, 11867), (62, 11951), (66, 11972), (73, 11999), (81, 12023), (82, 12044), (95, 12137), (100, 12158), (129, 12305), (135, 12347), (138, 12365), (141, 12389), (142, 12401), (153, 12461), (154, 12473), (157, 12488), (162, 12521), (174, 12599), (182, 12653), (184, 12677), (187, 12698), (191, 12719), (193, 12731), (195, 12758), (203, 12800), (211, 12848), (241, 13019), (243, 13031), (255, 13088), (261, 13103), (272, 13154), (275, 13169), (284, 13214), (299, 13292), (322, 13433), (329, 13514), (333, 13523), (338, 13583), (339, 13598), (351, 13697), (356, 13718), (363, 13751), (368, 13778), (374, 13811), (377, 13832), (388, 13886), (389, 13889), (401, 13943), (404, 13964), (422, 14072), (429, 14126), (447, 14234), (449, 14249), (453, 14297), (459, 14318), (462, 14333), (477, 14396), (479, 14408), (481, 14432), (482, 14435), (483, 14450), (491, 14501), (493, 14528), (509, 14633), (519, 14729), (534, 14804), (551, 14927), (552, 14948), (556, 15011), (557, 15020), (564, 15149), (572, 15230), (573, 15257), (576, 15287), (578, 15299), (583, 15329), (613, 15467), (627, 15548), (630, 15566),

Gene: GoldenAsh_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for GoldenAsh_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452,

14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Gomashi_16 Start: 11465, Stop: 15478, Start Num: 15
Candidate Starts for Gomashi_16:
(Start: 15 @11465 has 65 MA's), (35, 11666), (56, 11780), (66, 11822), (74, 11852), (95, 11987), (98, 11999), (100, 12008), (135, 12197), (138, 12215), (139, 12218), (141, 12239), (142, 12251), (154, 12323), (162, 12371), (182, 12503), (184, 12527), (195, 12608), (220, 12731), (231, 12815), (239, 12851), (247, 12896), (248, 12902), (275, 13010), (280, 13034), (284, 13055), (322, 13274), (338, 13424), (347, 13511), (368, 13619), (393, 13754), (414, 13865), (417, 13883), (422, 13913), (452, 14135), (459, 14159), (462, 14174), (467, 14195), (475, 14222), (479, 14249), (485, 14309), (496, 14399), (500, 14432), (510, 14495), (515, 14552), (518, 14585), (520, 14594), (572, 15098), (573, 15125), (576, 15155), (578, 15167), (579, 15176), (596, 15245), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: Grizzly_16 Start: 11464, Stop: 15480, Start Num: 15
Candidate Starts for Grizzly_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (64, 11812), (66, 11821), (74, 11851), (95, 11986), (100, 12007), (129, 12154), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (237, 12841), (239, 12850), (248, 12901), (254, 12925), (263, 12952), (284, 13054), (320, 13261), (322, 13273), (337, 13420), (338, 13423), (368, 13618), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (468, 14197), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (502, 14446), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15100), (573, 15127), (576, 15157), (578, 15169), (579, 15178), (596, 15247), (617, 15328), (627, 15388), (630, 15406), (632, 15415),

Gene: Guanica15_21 Start: 11016, Stop: 15143, Start Num: 17
Candidate Starts for Guanica15_21:
(10, 10968), (Start: 17 @11016 has 40 MA's), (28, 11109), (41, 11241), (44, 11265), (50, 11295), (55, 11316), (58, 11328), (72, 11388), (86, 11475), (93, 11508), (96, 11526), (97, 11529), (110, 11601), (139, 11745), (143, 11787), (146, 11802), (152, 11838), (163, 11910), (181, 12012), (206, 12195), (212, 12222), (217, 12240), (218, 12246), (223, 12288), (235, 12360), (236, 12366), (240, 12381), (245, 12402), (248, 12420), (251, 12435), (265, 12483), (274, 12516), (277, 12531), (284, 12570), (289, 12591), (296, 12621), (321, 12789), (324, 12840), (344, 13005), (346, 13029), (358, 13086), (367, 13137), (373, 13170), (375, 13179), (389, 13251), (404, 13326), (407, 13344), (414, 13386), (417, 13404), (421, 13431), (423, 13443), (441, 13572), (445, 13590), (454, 13671), (455, 13674), (475, 13758), (481, 13812), (482, 13815), (493, 13908), (503, 13974), (519, 14109), (541, 14235), (570, 14631), (571, 14640), (578, 14712), (587, 14796), (619, 14964), (626, 15036), (630, 15060), (636, 15099),

Gene: Guillsminger_19 Start: 12137, Stop: 16246, Start Num: 13
Candidate Starts for Guillsminger_19:
(Start: 13 @12137 has 22 MA's), (42, 12395), (62, 12479), (79, 12545), (84, 12593), (94, 12653), (95, 12665), (100, 12686), (108, 12740), (115, 12770), (129, 12833), (132, 12854), (140, 12911), (149, 12971), (162, 13049), (166, 13073), (172, 13115), (177, 13148), (199, 13307), (203, 13328), (222, 13406), (231, 13469), (234, 13484), (235, 13487), (237, 13496), (238, 13502), (241, 13514), (247, 13550), (250, 13568), (277, 13670), (284, 13709), (310, 13862), (317, 13904), (322, 13928), (333, 14018), (335, 14051), (342, 14117), (351, 14192), (354, 14201), (358, 14219), (363, 14246), (376, 14324), (393, 14408), (416, 14531), (425, 14597), (440, 14699), (456, 14792), (464, 14822), (473, 14849), (474, 14855), (481, 14906), (483, 14927), (485, 14942), (486, 14948), (496, 15032), (499,

15062), (502, 15080), (508, 15119), (513, 15179), (518, 15212), (522, 15233), (525, 15257), (533, 15290), (546, 15374), (551, 15446), (570, 15755), (574, 15809), (576, 15824), (578, 15836), (583, 15866), (616, 16052), (619, 16076), (620, 16088), (631, 16175), (635, 16199),

Gene: Halo_16 Start: 11459, Stop: 15472, Start Num: 15
Candidate Starts for Halo_16:
(Start: 15 @11459 has 65 MA's), (35, 11660), (56, 11774), (66, 11816), (74, 11846), (95, 11981), (98, 11993), (100, 12002), (135, 12191), (138, 12209), (139, 12212), (141, 12233), (142, 12245), (154, 12317), (162, 12365), (182, 12497), (184, 12521), (195, 12602), (220, 12725), (231, 12809), (239, 12845), (247, 12890), (248, 12896), (275, 13004), (280, 13028), (284, 13049), (322, 13268), (338, 13418), (347, 13505), (368, 13613), (393, 13748), (414, 13859), (417, 13877), (422, 13907), (452, 14129), (459, 14153), (462, 14168), (467, 14189), (475, 14216), (479, 14243), (485, 14303), (496, 14393), (500, 14426), (510, 14489), (515, 14546), (518, 14579), (520, 14588), (572, 15092), (573, 15119), (576, 15149), (578, 15161), (579, 15170), (596, 15239), (617, 15320), (627, 15380), (630, 15398), (632, 15407),

Gene: Hammy_20 Start: 12190, Stop: 16329, Start Num: 16
Candidate Starts for Hammy_20:
(10, 12145), (Start: 16 @12190 has 111 MA's), (25, 12259), (31, 12346), (40, 12421), (60, 12523), (62, 12529), (66, 12550), (75, 12583), (79, 12595), (83, 12634), (84, 12643), (94, 12703), (95, 12715), (100, 12736), (108, 12790), (115, 12820), (129, 12883), (132, 12904), (138, 12943), (149, 13021), (162, 13099), (166, 13123), (191, 13297), (195, 13336), (196, 13345), (197, 13348), (203, 13378), (225, 13501), (229, 13516), (233, 13555), (243, 13600), (247, 13624), (273, 13726), (275, 13738), (277, 13744), (284, 13783), (305, 13909), (307, 13924), (311, 13960), (314, 13972), (321, 14017), (333, 14113), (362, 14332), (369, 14371), (371, 14392), (389, 14479), (393, 14503), (400, 14530), (401, 14533), (406, 14563), (414, 14614), (420, 14650), (434, 14758), (454, 14893), (455, 14896), (470, 14962), (472, 14968), (479, 15007), (488, 15079), (490, 15085), (492, 15106), (504, 15190), (507, 15220), (511, 15241), (512, 15253), (519, 15334), (524, 15367), (525, 15376), (528, 15382), (537, 15424), (538, 15442), (540, 15475), (542, 15481), (550, 15526), (561, 15736), (570, 15835), (571, 15844), (572, 15847), (578, 15916), (601, 16051), (609, 16120), (619, 16168), (630, 16264), (636, 16303),

Gene: HedwigODU_21 Start: 12079, Stop: 15918, Start Num: 16
Candidate Starts for HedwigODU_21:
(Start: 16 @12079 has 111 MA's), (25, 12148), (31, 12235), (60, 12412), (66, 12439), (82, 12511), (83, 12523), (84, 12532), (95, 12604), (108, 12679), (127, 12763), (129, 12772), (132, 12793), (138, 12832), (149, 12910), (162, 12988), (175, 13078), (185, 13153), (199, 13246), (201, 13255), (203, 13267), (204, 13276), (252, 13537), (258, 13552), (267, 13585), (284, 13672), (290, 13696), (302, 13780), (316, 13864), (319, 13876), (323, 13897), (393, 14053), (408, 14134), (417, 14182), (420, 14200), (423, 14221), (428, 14257), (434, 14308), (444, 14365), (454, 14443), (457, 14452), (475, 14530), (482, 14587), (489, 14641), (519, 14881), (534, 14956), (549, 15067), (561, 15286), (563, 15298), (578, 15487), (579, 15496), (587, 15568), (594, 15598), (601, 15619), (619, 15739), (626, 15811), (629, 15829), (630, 15835),

Gene: Heftyboy_19 Start: 12264, Stop: 16394, Start Num: 13
Candidate Starts for Heftyboy_19:
(Start: 13 @12264 has 22 MA's), (26, 12357), (32, 12435), (34, 12459), (42, 12519), (62, 12603), (64, 12615), (84, 12717), (94, 12777), (95, 12789), (100, 12810), (108, 12864), (119, 12912), (129, 12957), (132, 12978), (149, 13095), (162, 13173), (166, 13197), (175, 13263), (185, 13338), (199, 13431), (204, 13461), (235, 13635), (237, 13644), (243, 13674), (247, 13698), (251, 13719), (269, 13779), (284, 13857), (286, 13866), (301, 13944), (310, 14010), (317, 14052), (319, 14061), (326, 14145), (333, 14166), (335, 14199), (351, 14340), (354, 14349), (358, 14367), (363, 14394), (376, 14472), (393, 14556), (416, 14679), (425, 14745), (456, 14940), (464, 14970), (473, 14997), (474, 15003),

(480, 15030), (483, 15075), (485, 15090), (486, 15096), (496, 15180), (502, 15228), (508, 15267), (513, 15327), (518, 15360), (522, 15381), (525, 15405), (533, 15438), (546, 15522), (551, 15594), (570, 15903), (574, 15957), (576, 15972), (578, 15984), (583, 16014), (616, 16200), (619, 16224), (620, 16236), (631, 16323), (635, 16347),

Gene: Homura_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Homura_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (547, 15089), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Hope_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Hope_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Hotshotbaby7_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Hotshotbaby7_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Hurricane_20 Start: 12208, Stop: 16356, Start Num: 16
Candidate Starts for Hurricane_20:
(Start: 16 @12208 has 111 MA's), (25, 12277), (26, 12298), (28, 12304), (31, 12364), (51, 12502), (62, 12547), (66, 12568), (71, 12589), (82, 12640), (94, 12721), (95, 12733), (100, 12754), (108, 12808), (118, 12850), (129, 12901), (132, 12922), (134, 12940), (139, 12964), (145, 13015), (149, 13039), (157, 13084), (162, 13117), (166, 13141), (191, 13315), (199, 13375), (203, 13396), (204, 13405), (233, 13573), (238, 13594), (243, 13618), (247, 13642), (251, 13663), (259, 13681), (264, 13702), (267, 13714), (275, 13756), (276, 13759), (284, 13801), (287, 13816), (299, 13879), (314, 13990), (318, 14020), (325, 14098), (341, 14218), (344, 14251), (360, 14341), (363, 14359), (369, 14389), (373, 14416), (414, 14632), (420, 14668), (430, 14743), (434, 14776), (437, 14788), (445, 14836), (454, 14917), (455, 14920), (482, 15037), (493, 15130), (505, 15208), (516, 15307), (519, 15331), (534, 15406), (570, 15865), (571, 15874), (572, 15877), (578, 15946), (579, 15955), (600, 16087),

(610, 16147), (615, 16165), (620, 16201), (621, 16210), (629, 16276), (630, 16282), (634, 16297), (635, 16309),

Gene: Hyperbowlee_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Hyperbowlee_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Illumine_21 Start: 12077, Stop: 15931, Start Num: 16
Candidate Starts for Illumine_21:
(Start: 16 @12077 has 111 MA's), (25, 12146), (31, 12233), (60, 12413), (66, 12440), (83, 12524), (84, 12533), (94, 12593), (95, 12605), (108, 12680), (118, 12722), (127, 12764), (129, 12773), (132, 12794), (138, 12833), (149, 12911), (156, 12953), (162, 12989), (185, 13154), (199, 13247), (203, 13268), (204, 13277), (252, 13559), (258, 13574), (267, 13607), (284, 13694), (302, 13802), (316, 13886), (319, 13898), (323, 13919), (393, 14075), (408, 14156), (417, 14204), (420, 14222), (423, 14243), (428, 14279), (434, 14330), (444, 14387), (454, 14465), (457, 14474), (475, 14552), (477, 14567), (482, 14609), (489, 14663), (505, 14780), (519, 14903), (534, 14978), (552, 15131), (561, 15308), (570, 15422), (578, 15503), (579, 15512), (587, 15584), (594, 15614), (601, 15635), (619, 15752), (626, 15824), (630, 15848),

Gene: Inky_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Inky_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: InvictusManeo_19 Start: 12240, Stop: 16346, Start Num: 13
Candidate Starts for InvictusManeo_19:
(Start: 13 @12240 has 22 MA's), (26, 12333), (32, 12411), (34, 12435), (42, 12495), (62, 12579), (64, 12591), (84, 12693), (94, 12753), (95, 12765), (100, 12786), (108, 12840), (119, 12888), (129, 12933), (132, 12954), (149, 13071), (162, 13149), (166, 13173), (175, 13239), (185, 13314), (199, 13407), (204, 13437), (235, 13611), (237, 13620), (243, 13650), (247, 13674), (251, 13695), (269, 13755), (284, 13833), (286, 13842), (301, 13920), (310, 13986), (317, 14028), (319, 14037), (326, 14121), (333, 14142), (335, 14175), (342, 14241), (344, 14262), (351, 14316), (354, 14325), (358, 14343), (362, 14361), (363, 14370), (369, 14400), (375, 14436), (384, 14490), (392, 14526), (393, 14532), (395, 14550), (416, 14655), (425, 14721), (456, 14916), (464, 14946), (474, 14979), (481, 15030), (483, 15051), (485, 15066), (486, 15072), (496, 15156), (502, 15204), (508, 15243), (513, 15303), (518, 15336), (522, 15357), (525, 15381), (533, 15411), (546, 15477), (551, 15549), (570, 15864), (571, 15873), (572, 15876), (574, 15918), (578, 15945), (583, 15975), (587, 16026), (592, 16044), (605, 16110), (616, 16158), (619, 16182), (620, 16194), (631, 16275), (635, 16299), (640, 16338),

Gene: JAWS_21 Start: 12070, Stop: 15903, Start Num: 16
Candidate Starts for JAWS_21:
(Start: 16 @12070 has 111 MA's), (25, 12139), (31, 12226), (40, 12301), (60, 12403), (66, 12430), (82, 12502), (83, 12514), (84, 12523), (95, 12595), (108, 12670), (127, 12754), (129, 12763), (132, 12784), (138, 12823), (142, 12859), (149, 12901), (162, 12979), (175, 13069), (185, 13144), (199, 13237), (201, 13246), (203, 13258), (204, 13267), (247, 13504), (258, 13543), (267, 13576), (284, 13663), (290, 13687), (302, 13771), (316, 13855), (319, 13867), (323, 13888), (393, 14044), (408, 14125), (417, 14173), (420, 14191), (423, 14212), (428, 14248), (434, 14299), (444, 14356), (454, 14434), (457, 14443), (475, 14521), (477, 14536), (482, 14578), (489, 14632), (519, 14872), (534, 14947), (549, 15058), (561, 15277), (563, 15289), (578, 15472), (579, 15481), (587, 15553), (594, 15583), (601, 15604), (619, 15724), (626, 15796), (629, 15814), (630, 15820),

Gene: Jane_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Jane_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Jarvi_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Jarvi_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Jayhawk_21 Start: 12080, Stop: 15916, Start Num: 16
Candidate Starts for Jayhawk_21:
(Start: 16 @12080 has 111 MA's), (25, 12149), (31, 12236), (60, 12413), (66, 12440), (82, 12512), (83, 12524), (84, 12533), (95, 12605), (108, 12680), (127, 12764), (129, 12773), (132, 12794), (138, 12833), (149, 12911), (162, 12989), (175, 13079), (185, 13154), (199, 13247), (201, 13256), (203, 13268), (204, 13277), (252, 13538), (258, 13553), (267, 13586), (284, 13673), (290, 13697), (302, 13781), (316, 13865), (319, 13877), (323, 13898), (393, 14054), (408, 14135), (417, 14183), (420, 14201), (423, 14222), (428, 14258), (434, 14309), (444, 14366), (454, 14444), (457, 14453), (475, 14531), (482, 14588), (489, 14642), (519, 14882), (534, 14957), (549, 15068), (561, 15287), (563, 15299), (578, 15485), (579, 15494), (587, 15566), (594, 15596), (601, 15617), (619, 15737), (626, 15809), (629, 15827), (630, 15833),

Gene: Jeckyll_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Jeckyll_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830),

(138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Jeilious_16 Start: 11463, Stop: 15476, Start Num: 15
Candidate Starts for Jeilious_16:
(Start: 15 @11463 has 65 MA's), (35, 11664), (56, 11778), (66, 11820), (74, 11850), (95, 11985), (98, 11997), (100, 12006), (135, 12195), (138, 12213), (139, 12216), (141, 12237), (142, 12249), (154, 12321), (162, 12369), (182, 12501), (184, 12525), (195, 12606), (220, 12729), (231, 12813), (239, 12849), (247, 12894), (248, 12900), (275, 13008), (280, 13032), (284, 13053), (322, 13272), (338, 13422), (347, 13509), (368, 13617), (393, 13752), (414, 13863), (417, 13881), (422, 13911), (452, 14133), (459, 14157), (462, 14172), (467, 14193), (475, 14220), (479, 14247), (485, 14307), (496, 14397), (500, 14430), (510, 14493), (515, 14550), (518, 14583), (520, 14592), (572, 15096), (573, 15123), (576, 15153), (578, 15165), (579, 15174), (596, 15243), (617, 15324), (627, 15384), (630, 15402), (632, 15411),

Gene: Jolene_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Jolene_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Jolie2_16 Start: 10765, Stop: 14787, Start Num: 17
Candidate Starts for Jolie2_16:
(Start: 17 @10765 has 40 MA's), (25, 10834), (28, 10861), (37, 10975), (63, 11098), (67, 11122), (68, 11125), (77, 11158), (78, 11161), (83, 11203), (84, 11212), (106, 11344), (111, 11368), (116, 11386), (125, 11431), (131, 11455), (132, 11467), (139, 11509), (143, 11551), (151, 11596), (152, 11602), (162, 11665), (163, 11674), (165, 11686), (168, 11695), (172, 11728), (181, 11776), (206, 11953), (214, 11986), (215, 11989), (218, 12004), (236, 12124), (240, 12139), (244, 12157), (245, 12160), (251, 12193), (260, 12220), (270, 12265), (277, 12289), (280, 12307), (284, 12328), (302, 12424), (312, 12496), (338, 12703), (343, 12754), (358, 12844), (360, 12853), (363, 12871), (367, 12895), (369, 12901), (379, 12961), (388, 13006), (389, 13009), (391, 13015), (406, 13093), (411, 13126), (423, 13201), (452, 13414), (458, 13435), (459, 13438), (462, 13453), (471, 13486), (485, 13588), (496, 13678), (510, 13771), (514, 13825), (515, 13828), (517, 13861), (520, 13876), (527, 13915), (536, 13942), (552, 14080), (559, 14200), (565, 14287), (576, 14443), (578, 14455), (591, 14539), (607, 14578), (630, 14713),

Gene: Jonghyun_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Jonghyun_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338,

13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: JorRay_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for JorRay_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Joy99_21 Start: 12045, Stop: 15878, Start Num: 16
Candidate Starts for Joy99_21:
(Start: 16 @12045 has 111 MA's), (25, 12114), (26, 12135), (31, 12201), (60, 12378), (66, 12405), (82, 12477), (83, 12489), (84, 12498), (95, 12570), (108, 12645), (127, 12729), (129, 12738), (132, 12759), (138, 12798), (149, 12876), (162, 12954), (175, 13044), (185, 13119), (199, 13212), (201, 13221), (203, 13233), (204, 13242), (247, 13479), (258, 13518), (267, 13551), (284, 13638), (290, 13662), (302, 13746), (316, 13830), (319, 13842), (323, 13863), (393, 14019), (408, 14100), (417, 14148), (420, 14166), (423, 14187), (428, 14223), (434, 14274), (444, 14331), (454, 14409), (457, 14418), (475, 14496), (477, 14511), (482, 14553), (489, 14607), (519, 14847), (534, 14922), (549, 15033), (561, 15252), (563, 15264), (578, 15447), (579, 15456), (587, 15528), (594, 15558), (601, 15579), (619, 15699), (626, 15771), (629, 15789), (630, 15795),

Gene: Kareem_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Kareem_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Kasen3_16 Start: 11465, Stop: 15478, Start Num: 15
Candidate Starts for Kasen3_16:
(Start: 15 @11465 has 65 MA's), (35, 11666), (56, 11780), (66, 11822), (74, 11852), (95, 11987), (98, 11999), (100, 12008), (135, 12197), (138, 12215), (139, 12218), (141, 12239), (142, 12251), (154, 12323), (162, 12371), (182, 12503), (184, 12527), (195, 12608), (220, 12731), (231, 12815), (239, 12851), (247, 12896), (248, 12902), (275, 13010), (280, 13034), (284, 13055), (322, 13274), (338, 13424), (347, 13511), (368, 13619), (393, 13754), (414, 13865), (417, 13883), (422, 13913), (452, 14135), (459, 14159), (462, 14174), (467, 14195), (475, 14222), (479, 14249), (485, 14309), (496, 14399), (500, 14432), (510, 14495), (515, 14552), (518, 14585), (520, 14594), (572, 15098), (573, 15125), (576, 15155), (578, 15167), (579, 15176), (596, 15245), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: Keshu_20 Start: 12188, Stop: 16348, Start Num: 16
Candidate Starts for Keshu_20:
(Start: 16 @12188 has 111 MA's), (25, 12257), (26, 12278), (28, 12284), (31, 12344), (51, 12482), (56, 12506), (62, 12527), (66, 12548), (71, 12569), (94, 12701), (95, 12713), (100, 12734), (108, 12788), (115, 12818), (120, 12839), (127, 12872), (129, 12881), (132, 12902), (138, 12941), (149, 13019), (156, 13061), (162, 13097), (166, 13121), (191, 13295), (195, 13334), (199, 13355), (203, 13376), (204, 13385), (238, 13574), (243, 13598), (247, 13622), (251, 13643), (259, 13661), (267, 13694), (269, 13703), (275, 13736), (276, 13739), (277, 13742), (284, 13781), (286, 13790), (299, 13859), (314, 13970), (318, 14000), (325, 14078), (341, 14198), (344, 14231), (360, 14321), (363, 14339), (369, 14369), (373, 14396), (393, 14501), (401, 14531), (420, 14648), (428, 14705), (430, 14723), (432, 14744), (434, 14756), (445, 14816), (454, 14897), (455, 14900), (476, 14990), (482, 15020), (493, 15113), (505, 15191), (519, 15314), (534, 15389), (570, 15854), (572, 15866), (578, 15935), (579, 15944), (583, 15965), (610, 16139), (615, 16157), (620, 16193), (621, 16202), (629, 16268), (630, 16274), (634, 16289), (635, 16301),

Gene: KiSi_20 Start: 11011, Stop: 15084, Start Num: 17
Candidate Starts for KiSi_20:
(Start: 17 @11011 has 40 MA's), (28, 11104), (45, 11263), (46, 11272), (48, 11281), (69, 11374), (83, 11443), (84, 11452), (85, 11464), (86, 11470), (93, 11503), (100, 11539), (109, 11596), (111, 11608), (123, 11662), (130, 11692), (143, 11779), (146, 11794), (152, 11830), (181, 12004), (206, 12187), (208, 12196), (218, 12238), (223, 12280), (232, 12340), (235, 12352), (236, 12358), (240, 12373), (244, 12391), (245, 12394), (251, 12427), (282, 12550), (284, 12562), (285, 12568), (289, 12583), (291, 12589), (317, 12673), (325, 12754), (344, 12907), (361, 13003), (363, 13015), (369, 13045), (377, 13096), (380, 13117), (387, 13147), (389, 13153), (393, 13177), (406, 13237), (414, 13288), (421, 13333), (430, 13399), (434, 13432), (444, 13489), (454, 13567), (455, 13570), (475, 13654), (479, 13681), (482, 13711), (489, 13765), (493, 13804), (519, 14005), (534, 14080), (559, 14365), (561, 14422), (578, 14623), (590, 14737), (619, 14914), (626, 14998), (630, 15019),

Gene: Kratio_18 Start: 11868, Stop: 15977, Start Num: 13
Candidate Starts for Kratio_18:
(Start: 13 @11868 has 22 MA's), (26, 11961), (32, 12039), (34, 12063), (42, 12123), (62, 12207), (79, 12273), (84, 12321), (94, 12381), (95, 12393), (100, 12414), (108, 12468), (119, 12516), (129, 12561), (132, 12582), (149, 12699), (162, 12777), (166, 12801), (175, 12867), (185, 12942), (199, 13035), (204, 13065), (235, 13239), (237, 13248), (243, 13278), (247, 13302), (251, 13323), (269, 13383), (284, 13461), (286, 13470), (301, 13548), (310, 13614), (317, 13656), (326, 13749), (333, 13770), (335, 13803), (342, 13869), (344, 13890), (351, 13944), (354, 13953), (358, 13971), (362, 13989), (363, 13998), (369, 14028), (375, 14064), (392, 14154), (393, 14160), (395, 14178), (416, 14283), (425, 14349), (456, 14544), (464, 14574), (474, 14607), (481, 14658), (483, 14679), (485, 14694), (486, 14700), (496, 14784), (502, 14832), (508, 14871), (513, 14931), (518, 14964), (522, 14985), (525, 15009), (546, 15105), (551, 15177), (570, 15492), (571, 15501), (572, 15504), (574, 15546), (576, 15561), (578, 15573), (583, 15603), (587, 15654), (592, 15672), (616, 15789), (619, 15813), (620, 15825), (631, 15906), (635, 15930), (640, 15969),

Gene: Krueger_20 Start: 11051, Stop: 15055, Start Num: 17
Candidate Starts for Krueger_20:
(Start: 17 @11051 has 40 MA's), (28, 11144), (36, 11249), (45, 11303), (48, 11321), (53, 11339), (59, 11369), (65, 11396), (67, 11402), (80, 11447), (93, 11543), (96, 11561), (97, 11564), (121, 11678), (123, 11693), (143, 11810), (146, 11825), (159, 11906), (170, 11966), (171, 11975), (181, 12035), (206, 12218), (207, 12224), (219, 12281), (232, 12371), (235, 12383), (236, 12389), (240, 12404), (245, 12425), (248, 12443), (268, 12518), (276, 12551), (282, 12581), (284, 12593), (289, 12614), (297, 12653), (315, 12698), (319, 12713), (337, 12875), (344, 12938), (347, 12965), (362, 13037), (369, 13076), (377, 13127), (380, 13148), (387, 13178), (389, 13184), (393, 13208), (404, 13259),

(412, 13313), (420, 13355), (423, 13376), (428, 13412), (434, 13463), (454, 13604), (455, 13607), (475, 13691), (479, 13718), (489, 13802), (519, 14042), (534, 14117), (570, 14555), (571, 14564), (578, 14636), (579, 14645), (587, 14720), (594, 14750), (601, 14771), (619, 14888), (626, 14963), (634, 15002), (635, 15014),

Gene: Larva_19 Start: 11980, Stop: 16092, Start Num: 13
Candidate Starts for Larva_19:
(Start: 13 @11980 has 22 MA's), (26, 12073), (32, 12151), (34, 12175), (42, 12235), (62, 12319), (84, 12433), (94, 12493), (95, 12505), (100, 12526), (108, 12580), (119, 12628), (129, 12673), (132, 12694), (149, 12811), (162, 12889), (166, 12913), (175, 12979), (185, 13054), (199, 13147), (204, 13177), (235, 13351), (243, 13390), (247, 13414), (251, 13435), (269, 13495), (284, 13573), (301, 13660), (310, 13726), (317, 13768), (319, 13777), (326, 13861), (333, 13882), (335, 13915), (342, 13981), (344, 14002), (351, 14056), (354, 14065), (358, 14083), (363, 14110), (369, 14140), (375, 14176), (392, 14266), (393, 14272), (395, 14290), (416, 14395), (425, 14461), (456, 14656), (464, 14686), (474, 14719), (481, 14770), (483, 14791), (485, 14806), (486, 14812), (496, 14896), (502, 14944), (508, 14983), (513, 15043), (518, 15076), (522, 15097), (525, 15121), (533, 15151), (546, 15217), (551, 15289), (570, 15604), (571, 15613), (572, 15616), (573, 15643), (574, 15658), (576, 15673), (578, 15685), (583, 15715), (587, 15769), (592, 15787), (605, 15856), (616, 15904), (619, 15928), (620, 15940), (621, 15949), (631, 16021), (635, 16045), (640, 16084),

Gene: LastHope_21 Start: 11090, Stop: 15217, Start Num: 17
Candidate Starts for LastHope_21:
(10, 11042), (Start: 17 @11090 has 40 MA's), (28, 11183), (41, 11315), (44, 11339), (50, 11369), (55, 11390), (58, 11402), (59, 11408), (65, 11435), (72, 11462), (86, 11549), (93, 11582), (96, 11600), (97, 11603), (103, 11645), (115, 11693), (139, 11819), (143, 11861), (146, 11876), (152, 11912), (163, 11984), (181, 12086), (199, 12224), (206, 12269), (216, 12311), (217, 12314), (218, 12320), (219, 12332), (223, 12362), (232, 12422), (236, 12440), (240, 12455), (244, 12473), (245, 12476), (251, 12509), (274, 12590), (277, 12605), (284, 12644), (289, 12665), (316, 12842), (319, 12854), (324, 12914), (332, 12956), (344, 13079), (346, 13103), (358, 13160), (361, 13175), (362, 13178), (373, 13244), (375, 13253), (379, 13277), (389, 13325), (404, 13400), (407, 13418), (417, 13478), (421, 13505), (423, 13517), (428, 13553), (430, 13571), (438, 13616), (441, 13646), (445, 13664), (454, 13745), (455, 13748), (475, 13832), (477, 13847), (481, 13886), (482, 13889), (493, 13982), (503, 14048), (519, 14183), (559, 14534), (570, 14705), (578, 14786), (583, 14816), (587, 14870), (619, 15038), (626, 15110), (629, 15128), (630, 15134),

Gene: LaterM_21 Start: 12043, Stop: 15876, Start Num: 16
Candidate Starts for LaterM_21:
(Start: 16 @12043 has 111 MA's), (25, 12112), (31, 12199), (60, 12379), (66, 12406), (83, 12490), (84, 12499), (94, 12559), (95, 12571), (108, 12646), (118, 12688), (127, 12730), (129, 12739), (132, 12760), (138, 12799), (149, 12877), (162, 12955), (185, 13120), (199, 13213), (203, 13234), (204, 13243), (247, 13480), (252, 13504), (258, 13519), (267, 13552), (284, 13639), (302, 13747), (316, 13831), (319, 13843), (323, 13864), (332, 13945), (393, 14020), (408, 14101), (410, 14110), (417, 14149), (420, 14167), (423, 14188), (428, 14224), (434, 14275), (444, 14332), (454, 14410), (457, 14419), (475, 14497), (477, 14512), (482, 14554), (489, 14608), (519, 14848), (534, 14923), (549, 15034), (561, 15253), (570, 15367), (578, 15448), (579, 15457), (587, 15529), (594, 15559), (601, 15580), (619, 15697), (626, 15769), (630, 15793),

Gene: Lavahound_19 Start: 11863, Stop: 16011, Start Num: 16
Candidate Starts for Lavahound_19:
(Start: 16 @11863 has 111 MA's), (25, 11932), (40, 12094), (60, 12196), (62, 12202), (66, 12223), (94, 12376), (95, 12388), (108, 12463), (129, 12556), (132, 12577), (138, 12616), (149, 12694), (162, 12772), (166, 12796), (174, 12850), (175, 12862), (185, 12937), (199, 13030), (217, 13111), (226, 13174), (233, 13228), (238, 13249), (241, 13261), (247, 13297), (251, 13318), (261, 13345), (267,

13369), (271, 13390), (275, 13411), (284, 13456), (305, 13582), (310, 13630), (321, 13690), (322, 13696), (333, 13786), (342, 13885), (343, 13897), (349, 13948), (350, 13954), (362, 14005), (369, 14044), (371, 14065), (393, 14176), (406, 14236), (411, 14269), (414, 14287), (417, 14305), (420, 14323), (422, 14335), (428, 14380), (434, 14431), (444, 14479), (454, 14557), (475, 14644), (476, 14650), (477, 14659), (483, 14716), (484, 14719), (493, 14794), (503, 14860), (519, 14995), (531, 15055), (534, 15070), (535, 15076), (571, 15526), (578, 15598), (579, 15607), (590, 15694), (619, 15847), (630, 15946), (635, 15973), (636, 15985),

Gene: LeMond_20 Start: 11082, Stop: 15155, Start Num: 17
Candidate Starts for LeMond_20:
(Start: 17 @11082 has 40 MA's), (28, 11175), (41, 11307), (69, 11445), (84, 11523), (85, 11535), (86, 11541), (93, 11574), (100, 11610), (109, 11667), (111, 11679), (123, 11733), (130, 11763), (143, 11850), (146, 11865), (152, 11901), (168, 11994), (181, 12075), (206, 12258), (208, 12267), (218, 12309), (223, 12351), (232, 12411), (235, 12423), (236, 12429), (240, 12444), (245, 12465), (251, 12498), (282, 12621), (284, 12633), (285, 12639), (289, 12654), (291, 12660), (317, 12744), (325, 12825), (344, 12978), (361, 13074), (369, 13116), (377, 13167), (380, 13188), (387, 13218), (389, 13224), (393, 13248), (406, 13308), (414, 13359), (421, 13404), (423, 13416), (430, 13470), (434, 13503), (444, 13560), (454, 13638), (455, 13641), (475, 13725), (482, 13782), (489, 13836), (493, 13875), (509, 13980), (519, 14076), (534, 14151), (549, 14274), (561, 14493), (578, 14694), (590, 14808), (619, 14985), (626, 15069), (630, 15090),

Gene: Lea83_20 Start: 12197, Stop: 16345, Start Num: 16
Candidate Starts for Lea83_20:
(Start: 16 @12197 has 111 MA's), (25, 12266), (26, 12287), (28, 12293), (31, 12353), (51, 12491), (62, 12536), (66, 12557), (79, 12602), (94, 12710), (95, 12722), (100, 12743), (108, 12797), (115, 12827), (120, 12848), (127, 12881), (129, 12890), (132, 12911), (138, 12950), (149, 13028), (156, 13070), (162, 13106), (166, 13130), (191, 13304), (199, 13364), (203, 13385), (204, 13394), (233, 13562), (238, 13583), (243, 13607), (247, 13631), (251, 13652), (259, 13670), (267, 13703), (275, 13745), (276, 13748), (277, 13751), (284, 13790), (286, 13799), (299, 13868), (314, 13979), (318, 14009), (341, 14207), (344, 14240), (360, 14330), (363, 14348), (369, 14378), (373, 14405), (414, 14621), (420, 14657), (428, 14714), (430, 14732), (434, 14765), (437, 14777), (445, 14825), (454, 14906), (455, 14909), (482, 15026), (493, 15119), (505, 15197), (516, 15296), (519, 15320), (534, 15395), (570, 15854), (572, 15866), (578, 15935), (579, 15944), (610, 16136), (615, 16154), (620, 16190), (621, 16199), (629, 16265), (630, 16271), (634, 16286), (635, 16298),

Gene: Lemuria_16 Start: 10811, Stop: 14821, Start Num: 17
Candidate Starts for Lemuria_16:
(Start: 17 @10811 has 40 MA's), (28, 10907), (35, 11012), (37, 11021), (63, 11144), (67, 11168), (68, 11171), (77, 11204), (78, 11207), (84, 11258), (89, 11285), (96, 11327), (103, 11372), (112, 11408), (114, 11417), (115, 11420), (116, 11423), (130, 11489), (139, 11546), (143, 11588), (152, 11639), (161, 11699), (163, 11711), (165, 11723), (168, 11732), (181, 11813), (198, 11942), (206, 11990), (213, 12020), (216, 12032), (218, 12041), (223, 12083), (232, 12143), (236, 12161), (240, 12176), (245, 12197), (251, 12230), (260, 12257), (263, 12269), (270, 12302), (277, 12326), (280, 12344), (284, 12365), (302, 12461), (312, 12533), (343, 12791), (346, 12824), (363, 12908), (368, 12935), (374, 12968), (379, 12998), (387, 13040), (389, 13046), (406, 13130), (415, 13184), (430, 13292), (452, 13451), (459, 13475), (462, 13490), (468, 13514), (485, 13625), (495, 13712), (496, 13715), (508, 13802), (510, 13811), (515, 13868), (517, 13901), (527, 13955), (536, 13982), (551, 14096), (565, 14324), (568, 14390), (572, 14426), (576, 14483), (578, 14495), (591, 14573), (607, 14612), (611, 14639), (630, 14747),

Gene: Leston_19 Start: 12267, Stop: 16376, Start Num: 13
Candidate Starts for Leston_19:

(Start: 13 @12267 has 22 MA's), (42, 12525), (62, 12609), (79, 12675), (84, 12723), (94, 12783), (95, 12795), (100, 12816), (108, 12870), (115, 12900), (129, 12963), (132, 12984), (140, 13041), (149, 13101), (162, 13179), (166, 13203), (172, 13245), (177, 13278), (199, 13437), (203, 13458), (222, 13536), (231, 13599), (234, 13614), (235, 13617), (237, 13626), (238, 13632), (241, 13644), (247, 13680), (250, 13698), (277, 13800), (284, 13839), (310, 13992), (317, 14034), (322, 14058), (333, 14148), (335, 14181), (342, 14247), (351, 14322), (354, 14331), (358, 14349), (363, 14376), (376, 14454), (393, 14538), (416, 14661), (425, 14727), (440, 14829), (456, 14922), (464, 14952), (473, 14979), (474, 14985), (481, 15036), (483, 15057), (485, 15072), (486, 15078), (496, 15162), (499, 15192), (502, 15210), (508, 15249), (513, 15309), (518, 15342), (522, 15363), (525, 15387), (533, 15420), (546, 15504), (551, 15576), (570, 15885), (574, 15939), (576, 15954), (578, 15966), (583, 15996), (616, 16182), (619, 16206), (620, 16218), (631, 16305), (635, 16329),

Gene: Liefie_16 Start: 11463, Stop: 15476, Start Num: 15
Candidate Starts for Liefie_16:
(Start: 15 @11463 has 65 MA's), (35, 11664), (54, 11766), (56, 11778), (66, 11820), (71, 11841), (74, 11850), (95, 11985), (98, 11997), (100, 12006), (135, 12195), (138, 12213), (139, 12216), (141, 12237), (142, 12249), (154, 12321), (162, 12369), (182, 12501), (184, 12525), (195, 12606), (220, 12729), (231, 12813), (239, 12849), (247, 12894), (248, 12900), (275, 13008), (280, 13032), (284, 13053), (322, 13272), (338, 13422), (347, 13509), (368, 13617), (393, 13752), (412, 13857), (414, 13863), (417, 13881), (422, 13911), (452, 14133), (459, 14157), (462, 14172), (467, 14193), (479, 14247), (485, 14307), (496, 14397), (500, 14430), (510, 14493), (515, 14550), (518, 14583), (520, 14592), (572, 15096), (573, 15123), (576, 15153), (578, 15165), (579, 15174), (596, 15243), (617, 15324), (627, 15384), (630, 15402), (632, 15411),

Gene: LilDirt_18 Start: 11997, Stop: 16103, Start Num: 13
Candidate Starts for LilDirt_18:
(Start: 13 @11997 has 22 MA's), (26, 12090), (32, 12168), (34, 12192), (42, 12252), (62, 12336), (64, 12348), (84, 12450), (94, 12510), (95, 12522), (100, 12543), (108, 12597), (119, 12645), (129, 12690), (132, 12711), (149, 12828), (162, 12906), (166, 12930), (175, 12996), (185, 13071), (199, 13164), (204, 13194), (235, 13368), (237, 13377), (243, 13407), (247, 13431), (251, 13452), (269, 13512), (284, 13590), (286, 13599), (301, 13677), (310, 13743), (317, 13785), (319, 13794), (326, 13878), (333, 13899), (335, 13932), (342, 13998), (344, 14019), (351, 14073), (354, 14082), (358, 14100), (362, 14118), (363, 14127), (369, 14157), (375, 14193), (384, 14247), (392, 14283), (393, 14289), (395, 14307), (416, 14412), (425, 14478), (456, 14673), (464, 14703), (474, 14736), (481, 14787), (483, 14808), (485, 14823), (486, 14829), (496, 14913), (502, 14961), (508, 15000), (513, 15060), (518, 15093), (522, 15114), (525, 15138), (533, 15168), (546, 15234), (551, 15306), (570, 15621), (571, 15630), (572, 15633), (574, 15675), (578, 15702), (583, 15732), (587, 15783), (592, 15801), (605, 15867), (616, 15915), (619, 15939), (620, 15951), (631, 16032), (635, 16056), (640, 16095),

Gene: LilPharaoh_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for LilPharaoh_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: LindNT_21 Start: 12047, Stop: 15883, Start Num: 16
Candidate Starts for LindNT_21:

(Start: 16 @12047 has 111 MA's), (25, 12116), (31, 12203), (60, 12383), (66, 12410), (84, 12503), (94, 12563), (95, 12575), (108, 12650), (120, 12701), (129, 12743), (132, 12764), (138, 12803), (149, 12881), (162, 12959), (166, 12983), (185, 13124), (199, 13217), (201, 13226), (203, 13238), (204, 13247), (247, 13484), (252, 13508), (258, 13523), (267, 13556), (284, 13643), (290, 13667), (302, 13751), (316, 13835), (319, 13847), (323, 13868), (332, 13949), (393, 14024), (408, 14105), (417, 14153), (420, 14171), (422, 14183), (423, 14192), (428, 14228), (434, 14279), (444, 14336), (454, 14414), (457, 14423), (475, 14501), (477, 14516), (482, 14558), (489, 14612), (519, 14852), (534, 14927), (549, 15038), (561, 15257), (563, 15269), (570, 15371), (578, 15452), (579, 15461), (587, 15533), (594, 15563), (601, 15584), (619, 15704), (626, 15776), (629, 15794), (630, 15800),

Gene: Llorens_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Llorens_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: LouisV14_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for LouisV14_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Lunahalos_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Lunahalos_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: MOOREtheMARYer_16 Start: 11710, Stop: 15720, Start Num: 17
Candidate Starts for MOOREtheMARYer_16:
(Start: 17 @11710 has 40 MA's), (28, 11806), (48, 11986), (55, 12016), (61, 12040), (65, 12061), (69, 12079), (86, 12175), (88, 12181), (90, 12196), (93, 12208), (96, 12226), (102, 12268), (103, 12271), (112, 12307), (115, 12319), (122, 12349), (124, 12361), (126, 12370), (139, 12445), (143, 12487), (146, 12502), (152, 12538), (154, 12553), (162, 12601), (163, 12610), (181, 12712), (192, 12796), (200, 12853), (206, 12895), (214, 12928), (215, 12931), (216, 12937), (218, 12946), (223, 12988),

(235, 13060), (236, 13066), (240, 13081), (244, 13099), (245, 13102), (260, 13162), (270, 13207), (277, 13231), (280, 13249), (284, 13270), (290, 13294), (293, 13306), (294, 13309), (302, 13366), (312, 13438), (319, 13480), (338, 13645), (347, 13732), (351, 13759), (356, 13780), (369, 13843), (377, 13894), (389, 13951), (393, 13975), (404, 14026), (411, 14068), (430, 14197), (448, 14287), (449, 14302), (450, 14305), (459, 14371), (462, 14386), (478, 14452), (483, 14506), (485, 14521), (494, 14602), (496, 14611), (510, 14704), (515, 14761), (517, 14794), (527, 14848), (532, 14869), (572, 15325), (573, 15352), (575, 15379), (578, 15394), (579, 15403), (593, 15490), (627, 15628), (630, 15646), (633, 15661),

Gene: MZKinsey_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for MZKinsey_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: MacKat_21 Start: 12093, Stop: 15926, Start Num: 16
Candidate Starts for MacKat_21:
(Start: 16 @12093 has 111 MA's), (25, 12162), (31, 12249), (60, 12426), (66, 12453), (83, 12537), (84, 12546), (95, 12618), (108, 12693), (127, 12777), (129, 12786), (132, 12807), (138, 12846), (149, 12924), (162, 13002), (175, 13092), (185, 13167), (199, 13260), (201, 13269), (203, 13281), (204, 13290), (247, 13527), (258, 13566), (267, 13599), (284, 13686), (290, 13710), (302, 13794), (316, 13878), (319, 13890), (323, 13911), (393, 14067), (408, 14148), (412, 14172), (417, 14196), (420, 14214), (423, 14235), (428, 14271), (434, 14322), (444, 14379), (454, 14457), (457, 14466), (475, 14544), (477, 14559), (482, 14601), (489, 14655), (519, 14895), (534, 14970), (549, 15081), (561, 15300), (563, 15312), (578, 15495), (579, 15504), (587, 15576), (594, 15606), (601, 15627), (619, 15747), (626, 15819), (629, 15837), (630, 15843),

Gene: MacnCheese_21 Start: 12433, Stop: 16590, Start Num: 16
Candidate Starts for MacnCheese_21:
(4, 12283), (Start: 16 @12433 has 111 MA's), (26, 12523), (28, 12529), (31, 12589), (56, 12751), (75, 12826), (83, 12877), (84, 12886), (94, 12946), (95, 12958), (100, 12979), (108, 13033), (129, 13126), (132, 13147), (138, 13186), (141, 13210), (149, 13264), (157, 13309), (162, 13342), (166, 13366), (191, 13540), (203, 13621), (233, 13798), (243, 13843), (247, 13867), (251, 13888), (266, 13936), (275, 13981), (280, 14005), (284, 14026), (299, 14104), (309, 14182), (317, 14242), (318, 14245), (321, 14260), (344, 14476), (350, 14524), (360, 14566), (363, 14584), (369, 14614), (371, 14635), (374, 14644), (379, 14674), (393, 14746), (401, 14776), (420, 14893), (423, 14914), (428, 14950), (430, 14968), (434, 15001), (442, 15046), (445, 15061), (454, 15142), (455, 15145), (471, 15214), (475, 15229), (476, 15235), (477, 15244), (489, 15340), (493, 15379), (516, 15556), (519, 15580), (534, 15655), (567, 16069), (570, 16099), (571, 16108), (572, 16111), (579, 16189), (582, 16207), (583, 16210), (610, 16384), (615, 16402), (621, 16447), (624, 16480), (630, 16516), (634, 16531), (635, 16543),

Gene: Maliketh_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Maliketh_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239,

12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Marcoliusprime_17 Start: 10116, Stop: 13784, Start Num: 14
Candidate Starts for Marcoliusprime_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (381, 11946), (402, 12012), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (566, 13251), (570, 13281), (571, 13290), (573, 13320), (598, 13485), (619, 13614), (630, 13707),

Gene: MarkPhew_21 Start: 10973, Stop: 15046, Start Num: 17
Candidate Starts for MarkPhew_21:
(3, 10757), (10, 10937), (Start: 17 @10973 has 40 MA's), (28, 11066), (41, 11198), (45, 11225), (46, 11234), (61, 11297), (69, 11336), (74, 11351), (84, 11414), (85, 11426), (93, 11465), (109, 11558), (111, 11570), (123, 11624), (143, 11741), (146, 11756), (152, 11792), (161, 11852), (162, 11855), (170, 11897), (181, 11966), (206, 12149), (218, 12200), (219, 12212), (232, 12302), (235, 12314), (236, 12320), (240, 12335), (248, 12374), (282, 12512), (284, 12524), (285, 12530), (289, 12545), (291, 12551), (344, 12869), (350, 12917), (354, 12932), (363, 12977), (369, 13007), (377, 13058), (380, 13079), (389, 13115), (393, 13139), (423, 13307), (428, 13343), (430, 13361), (434, 13394), (444, 13451), (454, 13529), (455, 13532), (475, 13616), (489, 13727), (493, 13766), (509, 13871), (519, 13967), (534, 14042), (561, 14390), (578, 14588), (619, 14876), (620, 14888), (626, 14960), (630, 14981),

Gene: Marmie_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Marmie_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Marshawn_22 Start: 11657, Stop: 15661, Start Num: 17
Candidate Starts for Marshawn_22:
(1, 11312), (3, 11444), (10, 11621), (Start: 17 @11657 has 40 MA's), (21, 11681), (28, 11750), (45, 11909), (46, 11918), (59, 11975), (83, 12089), (84, 12098), (85, 12110), (90, 12137), (93, 12149), (97, 12170), (110, 12251), (123, 12308), (130, 12338), (143, 12425), (146, 12440), (147, 12449), (152, 12476), (162, 12539), (163, 12548), (181, 12650), (190, 12725), (206, 12833), (214, 12866), (221, 12908), (223, 12926), (232, 12986), (235, 12998), (236, 13004), (240, 13019), (244, 13037), (245, 13040), (248, 13058), (251, 13073), (262, 13109), (274, 13154), (275, 13163), (278, 13178), (282,

13196), (284, 13208), (285, 13214), (289, 13229), (291, 13235), (318, 13322), (332, 13430), (344, 13553), (354, 13616), (363, 13661), (369, 13691), (377, 13742), (389, 13799), (393, 13823), (408, 13904), (417, 13952), (423, 13991), (428, 14027), (434, 14078), (454, 14219), (455, 14222), (475, 14306), (477, 14321), (482, 14363), (493, 14456), (519, 14657), (534, 14732), (545, 14810), (559, 15026), (561, 15083), (572, 15212), (573, 15239), (578, 15281), (587, 15371), (590, 15383), (603, 15422), (622, 15548), (625, 15572), (626, 15575), (630, 15596),

Gene: McMater_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for McMater_21:
(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146, 11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375, 13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417, 13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: Mdavu_17 Start: 11315, Stop: 15448, Start Num: 16
Candidate Starts for Mdavu_17:
(9, 11276), (Start: 16 @11315 has 111 MA's), (25, 11384), (31, 11471), (40, 11549), (62, 11657), (66, 11678), (75, 11711), (95, 11843), (99, 11858), (100, 11864), (108, 11918), (115, 11948), (129, 12011), (132, 12032), (138, 12071), (149, 12149), (162, 12227), (166, 12251), (199, 12485), (217, 12566), (224, 12626), (233, 12683), (242, 12719), (247, 12752), (252, 12776), (270, 12842), (272, 12851), (284, 12911), (302, 13019), (310, 13064), (333, 13220), (343, 13331), (344, 13340), (345, 13352), (354, 13403), (358, 13421), (363, 13448), (369, 13478), (385, 13571), (393, 13610), (423, 13778), (430, 13832), (434, 13865), (443, 13910), (454, 13991), (455, 13994), (475, 14078), (476, 14084), (477, 14093), (482, 14135), (487, 14171), (489, 14189), (493, 14228), (501, 14288), (519, 14429), (531, 14489), (534, 14504), (563, 14846), (578, 15035), (579, 15044), (586, 15107), (630, 15383),

Gene: MeaningOfLife_21 Start: 12052, Stop: 15885, Start Num: 16
Candidate Starts for MeaningOfLife_21:
(Start: 16 @12052 has 111 MA's), (25, 12121), (26, 12142), (31, 12208), (60, 12385), (66, 12412), (82, 12484), (83, 12496), (84, 12505), (95, 12577), (108, 12652), (127, 12736), (129, 12745), (132, 12766), (138, 12805), (149, 12883), (162, 12961), (175, 13051), (185, 13126), (199, 13219), (201, 13228), (203, 13240), (204, 13249), (247, 13486), (258, 13525), (267, 13558), (284, 13645), (290, 13669), (302, 13753), (316, 13837), (319, 13849), (323, 13870), (393, 14026), (408, 14107), (417, 14155), (420, 14173), (423, 14194), (428, 14230), (434, 14281), (444, 14338), (454, 14416), (457, 14425), (475, 14503), (477, 14518), (482, 14560), (489, 14614), (519, 14854), (534, 14929), (549, 15040), (561, 15259), (563, 15271), (578, 15454), (579, 15463), (587, 15535), (594, 15565), (601, 15586), (619, 15706), (626, 15778), (629, 15796), (630, 15802),

Gene: Megsy_21 Start: 12050, Stop: 15886, Start Num: 16
Candidate Starts for Megsy_21:
(Start: 16 @12050 has 111 MA's), (25, 12119), (31, 12206), (60, 12386), (66, 12413), (84, 12506), (94, 12566), (95, 12578), (108, 12653), (120, 12704), (129, 12746), (132, 12767), (138, 12806), (149, 12884), (162, 12962), (166, 12986), (185, 13127), (199, 13220), (201, 13229), (203, 13241), (204, 13250), (247, 13487), (252, 13511), (258, 13526), (267, 13559), (284, 13646), (290, 13670), (302,

13754), (316, 13838), (319, 13850), (323, 13871), (332, 13952), (393, 14027), (408, 14108), (417, 14156), (420, 14174), (422, 14186), (423, 14195), (428, 14231), (434, 14282), (444, 14339), (454, 14417), (457, 14426), (475, 14504), (477, 14519), (489, 14615), (519, 14855), (534, 14930), (549, 15041), (561, 15260), (563, 15272), (570, 15374), (578, 15455), (579, 15464), (587, 15536), (594, 15566), (601, 15587), (619, 15707), (626, 15779), (629, 15797), (630, 15803),

Gene: Mercurio_17 Start: 11458, Stop: 15474, Start Num: 17
Candidate Starts for Mercurio_17:
(Start: 17 @11458 has 40 MA's), (46, 11725), (63, 11791), (67, 11815), (68, 11818), (74, 11842), (77, 11851), (78, 11854), (84, 11905), (89, 11932), (96, 11974), (103, 12019), (107, 12037), (109, 12040), (115, 12067), (125, 12115), (130, 12136), (139, 12193), (143, 12235), (151, 12280), (152, 12286), (162, 12349), (163, 12358), (165, 12370), (168, 12379), (181, 12460), (206, 12637), (213, 12667), (214, 12670), (218, 12688), (219, 12700), (223, 12730), (228, 12757), (232, 12790), (236, 12808), (240, 12823), (245, 12844), (251, 12877), (260, 12904), (270, 12949), (277, 12973), (280, 12991), (284, 13012), (302, 13108), (308, 13153), (312, 13180), (327, 13309), (343, 13438), (363, 13555), (368, 13582), (374, 13615), (388, 13690), (389, 13693), (406, 13777), (411, 13810), (421, 13873), (452, 14098), (459, 14122), (462, 14137), (468, 14161), (485, 14272), (494, 14353), (496, 14362), (510, 14455), (515, 14512), (517, 14545), (520, 14560), (576, 15139), (578, 15151), (580, 15166), (593, 15238), (611, 15289), (630, 15397),

Gene: Milly_17 Start: 10116, Stop: 13784, Start Num: 14
Candidate Starts for Milly_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (359, 11850), (381, 11946), (390, 11979), (402, 12012), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (570, 13281), (571, 13290), (573, 13320), (598, 13485), (619, 13614), (630, 13707),

Gene: Miryou_19 Start: 12115, Stop: 16230, Start Num: 13
Candidate Starts for Miryou_19:
(Start: 13 @12115 has 22 MA's), (42, 12373), (62, 12457), (79, 12523), (84, 12571), (94, 12631), (95, 12643), (100, 12664), (108, 12718), (115, 12748), (129, 12811), (132, 12832), (140, 12889), (149, 12949), (156, 12991), (162, 13027), (166, 13051), (172, 13093), (177, 13126), (199, 13285), (203, 13306), (222, 13384), (231, 13447), (234, 13462), (235, 13465), (237, 13474), (238, 13480), (241, 13492), (247, 13528), (250, 13546), (277, 13648), (284, 13687), (310, 13840), (317, 13882), (322, 13906), (333, 13996), (335, 14029), (342, 14095), (351, 14170), (354, 14179), (358, 14197), (363, 14224), (376, 14302), (393, 14386), (416, 14509), (425, 14575), (440, 14677), (456, 14770), (464, 14800), (473, 14827), (474, 14833), (481, 14884), (483, 14905), (485, 14920), (486, 14926), (496, 15010), (499, 15040), (502, 15058), (508, 15097), (513, 15157), (518, 15190), (522, 15211), (525, 15235), (533, 15268), (546, 15352), (551, 15424), (570, 15739), (574, 15793), (576, 15808), (578, 15820), (583, 15850), (616, 16036), (620, 16072), (631, 16159), (635, 16183),

Gene: Mowgli_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Mowgli_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338,

13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Mufasa_17 Start: 10138, Stop: 13812, Start Num: 14
Candidate Starts for Mufasa_17:
(Start: 14 @10138 has 10 MA's), (25, 10210), (33, 10309), (70, 10444), (82, 10495), (95, 10588), (108, 10663), (129, 10756), (132, 10777), (135, 10798), (136, 10804), (149, 10894), (156, 10936), (162, 10972), (169, 11005), (170, 11017), (173, 11041), (175, 11062), (180, 11086), (181, 11092), (184, 11128), (185, 11137), (191, 11170), (193, 11182), (195, 11209), (231, 11392), (233, 11404), (235, 11410), (243, 11449), (247, 11473), (274, 11506), (289, 11524), (292, 11533), (303, 11566), (328, 11755), (329, 11761), (334, 11797), (340, 11824), (345, 11842), (353, 11860), (359, 11872), (381, 11968), (390, 12001), (402, 12034), (415, 12088), (420, 12121), (423, 12142), (426, 12166), (431, 12196), (433, 12217), (475, 12385), (478, 12403), (482, 12439), (493, 12532), (505, 12610), (519, 12733), (543, 12886), (566, 13273), (570, 13303), (571, 13312), (573, 13342), (581, 13402), (598, 13510), (619, 13642), (630, 13735),

Gene: Murucutumbu_21 Start: 12036, Stop: 15869, Start Num: 16
Candidate Starts for Murucutumbu_21:
(Start: 16 @12036 has 111 MA's), (25, 12105), (31, 12192), (60, 12372), (66, 12399), (83, 12483), (84, 12492), (94, 12552), (95, 12564), (108, 12639), (118, 12681), (127, 12723), (129, 12732), (132, 12753), (138, 12792), (149, 12870), (162, 12948), (185, 13113), (199, 13206), (203, 13227), (204, 13236), (247, 13473), (252, 13497), (258, 13512), (267, 13545), (284, 13632), (302, 13740), (316, 13824), (319, 13836), (323, 13857), (332, 13938), (393, 14013), (408, 14094), (410, 14103), (417, 14142), (420, 14160), (423, 14181), (428, 14217), (434, 14268), (444, 14325), (454, 14403), (457, 14412), (475, 14490), (477, 14505), (482, 14547), (489, 14601), (519, 14841), (534, 14916), (549, 15027), (561, 15246), (570, 15360), (578, 15441), (579, 15450), (587, 15522), (594, 15552), (601, 15573), (619, 15690), (626, 15762), (630, 15786),

Gene: Mynx_21 Start: 12099, Stop: 15932, Start Num: 16
Candidate Starts for Mynx_21:
(Start: 16 @12099 has 111 MA's), (25, 12168), (31, 12255), (60, 12432), (66, 12459), (82, 12531), (83, 12543), (84, 12552), (95, 12624), (108, 12699), (127, 12783), (129, 12792), (132, 12813), (138, 12852), (149, 12930), (162, 13008), (175, 13098), (185, 13173), (199, 13266), (201, 13275), (203, 13287), (204, 13296), (247, 13533), (258, 13572), (267, 13605), (284, 13692), (290, 13716), (302, 13800), (316, 13884), (319, 13896), (323, 13917), (393, 14073), (408, 14154), (417, 14202), (420, 14220), (423, 14241), (428, 14277), (434, 14328), (444, 14385), (454, 14463), (457, 14472), (475, 14550), (477, 14565), (482, 14607), (489, 14661), (519, 14901), (534, 14976), (549, 15087), (561, 15306), (563, 15318), (578, 15501), (579, 15510), (587, 15582), (594, 15612), (601, 15633), (619, 15753), (626, 15825), (629, 15843), (630, 15849),

Gene: Neighly_19 Start: 11979, Stop: 16091, Start Num: 13
Candidate Starts for Neighly_19:
(Start: 13 @11979 has 22 MA's), (26, 12072), (32, 12150), (34, 12174), (42, 12234), (62, 12318), (84, 12432), (94, 12492), (95, 12504), (100, 12525), (108, 12579), (119, 12627), (129, 12672), (132, 12693), (149, 12810), (162, 12888), (166, 12912), (175, 12978), (185, 13053), (199, 13146), (204, 13176), (235, 13350), (243, 13389), (247, 13413), (251, 13434), (269, 13494), (284, 13572), (301, 13659), (310, 13725), (317, 13767), (319, 13776), (326, 13860), (333, 13881), (335, 13914), (342, 13980), (344, 14001), (351, 14055), (354, 14064), (358, 14082), (363, 14109), (369, 14139), (375, 14175), (392, 14265), (393, 14271), (395, 14289), (416, 14394), (425, 14460), (456, 14655), (464, 14685), (474, 14718), (481, 14769), (483, 14790), (485, 14805), (486, 14811), (496, 14895), (502,

14943), (508, 14982), (513, 15042), (518, 15075), (522, 15096), (525, 15120), (533, 15150), (546, 15216), (551, 15288), (570, 15603), (571, 15612), (572, 15615), (573, 15642), (574, 15657), (576, 15672), (578, 15684), (583, 15714), (587, 15768), (592, 15786), (605, 15855), (616, 15903), (619, 15927), (620, 15939), (621, 15948), (631, 16020), (635, 16044), (640, 16083),

Gene: Neoh_16 Start: 11456, Stop: 15469, Start Num: 15
Candidate Starts for Neoh_16:
(Start: 15 @11456 has 65 MA's), (35, 11657), (56, 11771), (66, 11813), (74, 11843), (95, 11978), (98, 11990), (100, 11999), (135, 12188), (138, 12206), (139, 12209), (141, 12230), (142, 12242), (154, 12314), (162, 12362), (182, 12494), (184, 12518), (195, 12599), (220, 12722), (231, 12806), (239, 12842), (247, 12887), (248, 12893), (275, 13001), (280, 13025), (284, 13046), (322, 13265), (338, 13415), (347, 13502), (368, 13610), (393, 13745), (414, 13856), (417, 13874), (422, 13904), (452, 14126), (459, 14150), (462, 14165), (467, 14186), (475, 14213), (479, 14240), (485, 14300), (496, 14390), (500, 14423), (510, 14486), (515, 14543), (518, 14576), (520, 14585), (572, 15089), (573, 15116), (576, 15146), (578, 15158), (579, 15167), (596, 15236), (617, 15317), (627, 15377), (630, 15395), (632, 15404),

Gene: Nibb_20 Start: 11122, Stop: 15189, Start Num: 17
Candidate Starts for Nibb_20:
(10, 11086), (Start: 17 @11122 has 40 MA's), (41, 11347), (45, 11374), (46, 11383), (69, 11485), (93, 11614), (109, 11707), (111, 11719), (123, 11773), (130, 11803), (143, 11890), (146, 11905), (161, 12001), (162, 12004), (170, 12046), (181, 12115), (206, 12298), (218, 12349), (219, 12361), (223, 12391), (232, 12451), (235, 12463), (236, 12469), (240, 12484), (244, 12502), (245, 12505), (280, 12652), (282, 12661), (284, 12673), (285, 12679), (289, 12694), (291, 12700), (317, 12784), (324, 12853), (344, 13018), (350, 13066), (363, 13126), (369, 13156), (377, 13207), (380, 13228), (389, 13264), (401, 13318), (423, 13456), (430, 13510), (434, 13543), (439, 13561), (444, 13600), (454, 13678), (455, 13681), (475, 13765), (482, 13822), (487, 13858), (489, 13876), (493, 13915), (519, 14116), (526, 14158), (534, 14191), (561, 14533), (578, 14731), (619, 15019), (620, 15031), (626, 15103), (630, 15124),

Gene: Nikao_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Nikao_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (400, 13649), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: Niklas_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for Niklas_21:
(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146, 11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375,

13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417, 13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: NoShow_16 Start: 10206, Stop: 14354, Start Num: 5
Candidate Starts for NoShow_16:
(Start: 5 @10206 has 1 MA's), (6, 10218), (12, 10323), (19, 10344), (43, 10602), (49, 10635), (50, 10638), (58, 10671), (71, 10728), (76, 10743), (77, 10746), (84, 10800), (87, 10821), (90, 10839), (92, 10851), (97, 10872), (99, 10881), (102, 10911), (126, 11013), (128, 11022), (133, 11055), (144, 11121), (146, 11133), (147, 11142), (155, 11187), (160, 11220), (162, 11232), (167, 11259), (181, 11343), (190, 11418), (194, 11457), (203, 11502), (206, 11526), (216, 11568), (217, 11571), (218, 11577), (219, 11589), (226, 11634), (235, 11691), (236, 11697), (240, 11712), (244, 11730), (251, 11766), (257, 11784), (262, 11802), (269, 11829), (270, 11838), (280, 11880), (281, 11886), (289, 11922), (291, 11928), (304, 11961), (314, 11985), (316, 12009), (341, 12213), (344, 12246), (345, 12258), (350, 12294), (367, 12378), (369, 12384), (386, 12477), (394, 12519), (395, 12531), (396, 12540), (398, 12564), (403, 12597), (413, 12675), (418, 12705), (420, 12717), (421, 12726), (424, 12747), (430, 12801), (435, 12846), (448, 12921), (458, 12996), (465, 13032), (473, 13059), (475, 13068), (477, 13080), (481, 13116), (497, 13257), (498, 13266), (506, 13311), (510, 13344), (515, 13398), (517, 13431), (523, 13470), (529, 13491), (534, 13518), (548, 13599), (554, 13680), (555, 13692), (569, 13938), (573, 13983), (578, 14025), (582, 14052), (588, 14106), (593, 14127), (601, 14142), (602, 14148), (612, 14202), (614, 14208), (620, 14244), (628, 14301), (630, 14310),

Gene: November_19 Start: 12038, Stop: 16228, Start Num: 16
Candidate Starts for November_19:
(Start: 16 @12038 has 111 MA's), (25, 12107), (26, 12128), (31, 12194), (56, 12356), (75, 12431), (83, 12482), (84, 12491), (94, 12551), (95, 12563), (100, 12584), (108, 12638), (115, 12668), (129, 12731), (132, 12752), (138, 12791), (149, 12869), (162, 12947), (166, 12971), (174, 13025), (175, 13037), (184, 13103), (191, 13145), (195, 13184), (197, 13196), (203, 13226), (204, 13235), (225, 13349), (229, 13364), (237, 13418), (243, 13448), (247, 13472), (251, 13493), (266, 13541), (275, 13586), (276, 13589), (284, 13631), (289, 13652), (298, 13700), (305, 13757), (307, 13772), (309, 13787), (311, 13808), (314, 13820), (321, 13865), (333, 13961), (369, 14219), (371, 14240), (389, 14327), (393, 14351), (400, 14378), (401, 14381), (406, 14411), (414, 14462), (420, 14498), (434, 14606), (454, 14741), (455, 14744), (470, 14810), (472, 14816), (479, 14855), (488, 14927), (490, 14933), (492, 14954), (504, 15038), (507, 15068), (511, 15089), (512, 15101), (519, 15182), (524, 15215), (525, 15224), (528, 15230), (537, 15272), (538, 15290), (540, 15323), (542, 15329), (561, 15617), (570, 15731), (571, 15740), (572, 15743), (578, 15812), (601, 15947), (619, 16067), (630, 16163), (636, 16202),

Gene: Nutello_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Nutello_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: OctaviousRex_16 Start: 11464, Stop: 15477, Start Num: 15

Candidate Starts for OctaviousRex_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: OkiRoe_19 Start: 12137, Stop: 16246, Start Num: 13
Candidate Starts for OkiRoe_19:
(Start: 13 @12137 has 22 MA's), (42, 12395), (62, 12479), (79, 12545), (84, 12593), (94, 12653), (95, 12665), (100, 12686), (108, 12740), (115, 12770), (129, 12833), (132, 12854), (140, 12911), (149, 12971), (162, 13049), (166, 13073), (172, 13115), (177, 13148), (199, 13307), (203, 13328), (222, 13406), (231, 13469), (234, 13484), (235, 13487), (237, 13496), (238, 13502), (241, 13514), (250, 13568), (277, 13670), (284, 13709), (310, 13862), (317, 13904), (322, 13928), (333, 14018), (335, 14051), (351, 14192), (354, 14201), (358, 14219), (363, 14246), (376, 14324), (393, 14408), (416, 14531), (425, 14597), (440, 14699), (456, 14792), (464, 14822), (473, 14849), (474, 14855), (481, 14906), (483, 14927), (485, 14942), (486, 14948), (496, 15032), (502, 15080), (508, 15119), (513, 15179), (518, 15212), (522, 15233), (525, 15257), (533, 15290), (546, 15374), (551, 15446), (570, 15755), (574, 15809), (576, 15824), (578, 15836), (583, 15866), (616, 16052), (620, 16088), (631, 16175), (635, 16199),

Gene: Olga_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Olga_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Oscar_20 Start: 11083, Stop: 15156, Start Num: 17
Candidate Starts for Oscar_20:
(Start: 17 @11083 has 40 MA's), (28, 11176), (41, 11308), (69, 11446), (84, 11524), (85, 11536), (86, 11542), (93, 11575), (100, 11611), (109, 11668), (111, 11680), (123, 11734), (130, 11764), (143, 11851), (146, 11866), (152, 11902), (168, 11995), (181, 12076), (206, 12259), (208, 12268), (218, 12310), (223, 12352), (232, 12412), (235, 12424), (236, 12430), (240, 12445), (245, 12466), (251, 12499), (282, 12622), (284, 12634), (285, 12640), (289, 12655), (291, 12661), (317, 12745), (325, 12826), (344, 12979), (361, 13075), (363, 13087), (369, 13117), (377, 13168), (380, 13189), (387, 13219), (389, 13225), (393, 13249), (406, 13309), (414, 13360), (421, 13405), (423, 13417), (430, 13471), (434, 13504), (444, 13561), (454, 13639), (455, 13642), (475, 13726), (479, 13753), (482, 13783), (489, 13837), (493, 13876), (519, 14077), (526, 14119), (534, 14152), (535, 14158), (559, 14437), (561, 14494), (578, 14695), (590, 14809), (619, 14986), (626, 15070), (630, 15091),

Gene: Padfoot_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Padfoot_21:

(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Padpat_21 Start: 12076, Stop: 15909, Start Num: 16
Candidate Starts for Padpat_21:
(Start: 16 @12076 has 111 MA's), (25, 12145), (31, 12232), (40, 12307), (60, 12409), (66, 12436), (82, 12508), (83, 12520), (84, 12529), (95, 12601), (108, 12676), (127, 12760), (129, 12769), (132, 12790), (138, 12829), (149, 12907), (162, 12985), (175, 13075), (185, 13150), (199, 13243), (201, 13252), (203, 13264), (204, 13273), (247, 13510), (258, 13549), (267, 13582), (284, 13669), (290, 13693), (302, 13777), (316, 13861), (319, 13873), (323, 13894), (393, 14050), (408, 14131), (417, 14179), (420, 14197), (423, 14218), (428, 14254), (434, 14305), (444, 14362), (454, 14440), (457, 14449), (475, 14527), (477, 14542), (482, 14584), (489, 14638), (519, 14878), (534, 14953), (549, 15064), (561, 15283), (563, 15295), (578, 15478), (579, 15487), (587, 15559), (594, 15589), (601, 15610), (619, 15730), (626, 15802), (629, 15820), (630, 15826),

Gene: Paito_16 Start: 11582, Stop: 15610, Start Num: 15
Candidate Starts for Paito_16:
(Start: 15 @11582 has 65 MA's), (35, 11783), (54, 11885), (56, 11897), (62, 11918), (69, 11954), (74, 11969), (82, 12011), (95, 12104), (100, 12125), (127, 12263), (129, 12272), (135, 12314), (138, 12332), (139, 12335), (141, 12356), (142, 12368), (154, 12440), (162, 12488), (184, 12644), (220, 12848), (222, 12869), (230, 12920), (241, 12977), (247, 13013), (267, 13085), (271, 13106), (279, 13145), (284, 13172), (295, 13220), (298, 13241), (302, 13280), (319, 13376), (322, 13391), (337, 13538), (338, 13541), (350, 13649), (407, 13940), (414, 13982), (417, 14000), (422, 14030), (423, 14039), (451, 14246), (452, 14252), (459, 14276), (462, 14291), (467, 14312), (468, 14315), (479, 14366), (485, 14426), (494, 14507), (496, 14516), (500, 14549), (502, 14564), (510, 14612), (515, 14669), (518, 14702), (521, 14717), (534, 14780), (572, 15224), (573, 15251), (578, 15293), (579, 15302), (603, 15401), (617, 15458), (627, 15518), (630, 15536), (632, 15545),

Gene: Paola_19 Start: 12137, Stop: 16246, Start Num: 13
Candidate Starts for Paola_19:
(Start: 13 @12137 has 22 MA's), (42, 12395), (62, 12479), (79, 12545), (84, 12593), (94, 12653), (95, 12665), (100, 12686), (108, 12740), (115, 12770), (129, 12833), (132, 12854), (140, 12911), (149, 12971), (162, 13049), (166, 13073), (172, 13115), (177, 13148), (199, 13307), (203, 13328), (222, 13406), (231, 13469), (234, 13484), (235, 13487), (237, 13496), (238, 13502), (241, 13514), (247, 13550), (250, 13568), (277, 13670), (284, 13709), (310, 13862), (317, 13904), (322, 13928), (333, 14018), (335, 14051), (342, 14117), (351, 14192), (354, 14201), (358, 14219), (363, 14246), (376, 14324), (393, 14408), (416, 14531), (425, 14597), (440, 14699), (456, 14792), (464, 14822), (473, 14849), (474, 14855), (481, 14906), (483, 14927), (485, 14942), (486, 14948), (496, 15032), (499, 15062), (502, 15080), (508, 15119), (513, 15179), (518, 15212), (522, 15233), (525, 15257), (533, 15290), (546, 15374), (551, 15446), (570, 15755), (574, 15809), (576, 15824), (578, 15836), (583, 15866), (616, 16052), (619, 16076), (620, 16088), (631, 16175), (635, 16199),

Gene: Peanam_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for Peanam_21:
(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146,

11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375, 13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417, 13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: Peeb_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Peeb_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Peel_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Peel_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Periodt_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Periodt_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Pharb_20 Start: 12014, Stop: 16198, Start Num: 16
Candidate Starts for Pharb_20:
(8, 11966), (Start: 16 @12014 has 111 MA's), (25, 12083), (26, 12104), (28, 12110), (31, 12170), (62, 12353), (64, 12365), (66, 12374), (83, 12458), (94, 12527), (95, 12539), (100, 12560), (108, 12614), (115, 12644), (129, 12707), (132, 12728), (138, 12767), (149, 12845), (162, 12923), (166, 12947),

(191, 13121), (196, 13169), (199, 13181), (203, 13202), (204, 13211), (227, 13331), (238, 13400), (242, 13415), (247, 13448), (251, 13469), (254, 13478), (264, 13508), (267, 13520), (275, 13562), (276, 13565), (277, 13568), (284, 13607), (299, 13685), (309, 13763), (314, 13796), (318, 13826), (325, 13904), (337, 13994), (341, 14024), (344, 14057), (360, 14147), (369, 14195), (393, 14327), (401, 14357), (414, 14438), (420, 14474), (428, 14531), (430, 14549), (434, 14582), (445, 14642), (454, 14723), (463, 14762), (471, 14795), (475, 14810), (476, 14816), (477, 14825), (482, 14867), (489, 14921), (493, 14960), (505, 15038), (519, 15161), (534, 15236), (553, 15425), (567, 15665), (570, 15695), (572, 15707), (579, 15785), (597, 15914), (615, 16001), (616, 16004), (620, 16037), (624, 16082), (630, 16118), (634, 16133), (635, 16145), (638, 16181),

Gene: PhelpsODU_20 Start: 11123, Stop: 15124, Start Num: 17
Candidate Starts for PhelpsODU_20:
(Start: 17 @11123 has 40 MA's), (28, 11216), (36, 11321), (45, 11375), (48, 11393), (53, 11411), (58, 11435), (59, 11441), (65, 11468), (67, 11474), (69, 11486), (80, 11519), (93, 11615), (96, 11633), (97, 11636), (121, 11750), (123, 11765), (143, 11882), (159, 11978), (165, 12017), (170, 12038), (171, 12047), (181, 12107), (206, 12290), (207, 12296), (208, 12299), (219, 12353), (223, 12383), (232, 12443), (235, 12455), (236, 12461), (240, 12476), (245, 12497), (248, 12515), (282, 12653), (284, 12665), (289, 12686), (297, 12725), (318, 12779), (319, 12785), (332, 12887), (337, 12947), (344, 13010), (358, 13091), (361, 13106), (362, 13109), (369, 13148), (375, 13184), (377, 13199), (378, 13205), (383, 13232), (389, 13256), (404, 13331), (414, 13391), (423, 13448), (428, 13484), (434, 13535), (454, 13676), (455, 13679), (475, 13763), (479, 13790), (489, 13874), (493, 13913), (519, 14114), (534, 14189), (557, 14408), (562, 14522), (570, 14624), (571, 14633), (578, 14705), (587, 14789), (594, 14819), (601, 14840), (619, 14957), (626, 15032), (634, 15071), (635, 15083),

Gene: Phish_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Phish_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Phloodle_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Phloodle_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Phrank_20 Start: 11071, Stop: 15072, Start Num: 17
Candidate Starts for Phrank_20:
(Start: 17 @11071 has 40 MA's), (28, 11164), (36, 11269), (41, 11296), (45, 11323), (48, 11341), (53, 11359), (58, 11383), (59, 11389), (65, 11416), (67, 11422), (77, 11458), (80, 11467), (82, 11491), (93, 11563), (96, 11581), (97, 11584), (123, 11713), (143, 11830), (159, 11926), (165, 11965), (171,

11995), (181, 12055), (206, 12238), (207, 12244), (208, 12247), (219, 12301), (223, 12331), (232, 12391), (235, 12403), (236, 12409), (240, 12424), (245, 12445), (248, 12463), (282, 12601), (284, 12613), (289, 12634), (297, 12673), (318, 12727), (319, 12733), (337, 12895), (344, 12958), (358, 13039), (361, 13054), (369, 13096), (377, 13147), (380, 13168), (387, 13198), (389, 13204), (393, 13228), (404, 13279), (414, 13339), (423, 13396), (428, 13432), (430, 13450), (434, 13483), (454, 13624), (455, 13627), (475, 13711), (479, 13738), (489, 13822), (519, 14062), (534, 14137), (562, 14470), (570, 14572), (571, 14581), (578, 14653), (587, 14737), (594, 14767), (601, 14788), (619, 14905), (626, 14980), (634, 15019), (635, 15031),

Gene: Phreak_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Phreak_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Piatt_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Piatt_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: PinkYoshi_16 Start: 11455, Stop: 15468, Start Num: 15
Candidate Starts for PinkYoshi_16:
(Start: 15 @11455 has 65 MA's), (35, 11656), (56, 11770), (66, 11812), (74, 11842), (95, 11977), (98, 11989), (100, 11998), (135, 12187), (138, 12205), (139, 12208), (141, 12229), (142, 12241), (154, 12313), (162, 12361), (182, 12493), (184, 12517), (195, 12598), (220, 12721), (231, 12805), (239, 12841), (247, 12886), (248, 12892), (275, 13000), (280, 13024), (284, 13045), (322, 13264), (338, 13414), (347, 13501), (368, 13609), (393, 13744), (414, 13855), (417, 13873), (422, 13903), (452, 14125), (459, 14149), (462, 14164), (467, 14185), (475, 14212), (479, 14239), (485, 14299), (496, 14389), (500, 14422), (510, 14485), (515, 14542), (518, 14575), (520, 14584), (572, 15088), (573, 15115), (576, 15145), (578, 15157), (579, 15166), (596, 15235), (617, 15316), (627, 15376), (630, 15394), (632, 15403),

Gene: Pinnie_17 Start: 12158, Stop: 16180, Start Num: 17
Candidate Starts for Pinnie_17:
(Start: 17 @12158 has 40 MA's), (23, 12203), (35, 12359), (36, 12362), (48, 12434), (53, 12452), (55, 12464), (65, 12509), (69, 12527), (86, 12623), (88, 12629), (90, 12644), (93, 12656), (96, 12674), (102, 12716), (103, 12719), (112, 12755), (115, 12767), (121, 12791), (122, 12797), (126, 12818), (139, 12893), (143, 12935), (146, 12950), (152, 12986), (154, 13001), (162, 13049), (163, 13058), (181, 13160), (200, 13301), (206, 13343), (213, 13373), (215, 13379), (216, 13385), (223, 13436), (235, 13508), (236, 13514), (240, 13529), (244, 13547), (245, 13550), (260, 13610), (270, 13655), (280,

13697), (284, 13718), (290, 13742), (293, 13754), (294, 13757), (302, 13814), (312, 13886), (319, 13928), (332, 14030), (338, 14093), (351, 14207), (356, 14228), (368, 14288), (377, 14342), (378, 14348), (389, 14399), (404, 14474), (411, 14516), (421, 14579), (448, 14744), (459, 14828), (462, 14843), (466, 14861), (468, 14867), (478, 14909), (479, 14918), (483, 14963), (485, 14978), (494, 15059), (496, 15068), (510, 15161), (515, 15218), (517, 15251), (527, 15305), (532, 15326), (572, 15785), (573, 15812), (575, 15839), (578, 15854), (579, 15863), (593, 15950), (627, 16088), (630, 16106), (636, 16145),

Gene: Pisa1_20 Start: 11833, Stop: 15987, Start Num: 16
Candidate Starts for Pisa1_20:
(Start: 16 @11833 has 111 MA's), (25, 11902), (31, 11989), (60, 12169), (62, 12175), (66, 12196), (75, 12229), (83, 12280), (84, 12289), (94, 12349), (95, 12361), (108, 12436), (120, 12487), (129, 12529), (132, 12550), (138, 12589), (149, 12667), (162, 12745), (174, 12823), (177, 12844), (178, 12850), (185, 12910), (199, 13003), (203, 13024), (204, 13033), (217, 13084), (225, 13147), (242, 13237), (247, 13270), (268, 13348), (270, 13360), (272, 13369), (275, 13384), (276, 13387), (284, 13429), (301, 13516), (302, 13537), (316, 13621), (319, 13633), (332, 13735), (333, 13738), (344, 13858), (350, 13906), (352, 13915), (358, 13939), (362, 13957), (363, 13966), (369, 13996), (371, 14017), (378, 14053), (393, 14128), (407, 14197), (423, 14296), (428, 14332), (430, 14350), (434, 14383), (454, 14518), (457, 14527), (475, 14605), (477, 14620), (482, 14662), (489, 14716), (519, 14956), (534, 15031), (549, 15142), (552, 15184), (570, 15475), (578, 15556), (579, 15565), (587, 15637), (590, 15649), (594, 15667), (601, 15688), (619, 15808), (626, 15880), (629, 15898), (630, 15904),

Gene: Pisa4_20 Start: 11833, Stop: 15987, Start Num: 16
Candidate Starts for Pisa4_20:
(Start: 16 @11833 has 111 MA's), (25, 11902), (31, 11989), (60, 12169), (62, 12175), (66, 12196), (75, 12229), (83, 12280), (84, 12289), (94, 12349), (95, 12361), (108, 12436), (120, 12487), (129, 12529), (132, 12550), (138, 12589), (149, 12667), (162, 12745), (174, 12823), (177, 12844), (178, 12850), (185, 12910), (199, 13003), (203, 13024), (204, 13033), (217, 13084), (225, 13147), (242, 13237), (247, 13270), (268, 13348), (270, 13360), (272, 13369), (275, 13384), (276, 13387), (284, 13429), (301, 13516), (302, 13537), (316, 13621), (319, 13633), (332, 13735), (333, 13738), (344, 13858), (350, 13906), (352, 13915), (358, 13939), (362, 13957), (363, 13966), (369, 13996), (371, 14017), (378, 14053), (393, 14128), (407, 14197), (423, 14296), (428, 14332), (430, 14350), (434, 14383), (454, 14518), (457, 14527), (475, 14605), (477, 14620), (482, 14662), (489, 14716), (519, 14956), (534, 15031), (549, 15142), (552, 15184), (570, 15475), (578, 15556), (579, 15565), (587, 15637), (590, 15649), (594, 15667), (601, 15688), (619, 15808), (626, 15880), (629, 15898), (630, 15904),

Gene: Pixie_20 Start: 11949, Stop: 16127, Start Num: 16
Candidate Starts for Pixie_20:
(Start: 16 @11949 has 111 MA's), (25, 12018), (26, 12039), (28, 12045), (31, 12105), (51, 12243), (62, 12288), (66, 12309), (94, 12462), (95, 12474), (100, 12495), (108, 12549), (115, 12579), (120, 12600), (127, 12633), (129, 12642), (132, 12663), (138, 12702), (149, 12780), (156, 12822), (162, 12858), (166, 12882), (191, 13056), (195, 13095), (199, 13116), (203, 13137), (204, 13146), (233, 13314), (238, 13335), (243, 13359), (247, 13383), (251, 13404), (259, 13422), (267, 13455), (275, 13497), (276, 13500), (277, 13503), (284, 13542), (286, 13551), (299, 13620), (314, 13731), (318, 13761), (341, 13959), (344, 13992), (360, 14082), (363, 14100), (369, 14130), (373, 14157), (401, 14292), (414, 14373), (420, 14409), (428, 14466), (430, 14484), (432, 14505), (434, 14517), (445, 14577), (454, 14658), (463, 14697), (471, 14730), (475, 14745), (476, 14751), (477, 14760), (482, 14802), (493, 14895), (505, 14973), (519, 15096), (534, 15171), (570, 15636), (572, 15648), (578, 15717), (579, 15726), (610, 15918), (615, 15936), (620, 15972), (621, 15981), (629, 16047), (630, 16053), (634, 16068), (635, 16080),

Gene: Plagueis_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Plagueis_16:

(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Pokerus_20 Start: 12033, Stop: 15866, Start Num: 16
Candidate Starts for Pokerus_20:
(Start: 16 @12033 has 111 MA's), (25, 12102), (31, 12189), (60, 12366), (66, 12393), (82, 12465), (83, 12477), (84, 12486), (95, 12558), (108, 12633), (127, 12717), (129, 12726), (132, 12747), (138, 12786), (149, 12864), (162, 12942), (175, 13032), (185, 13107), (199, 13200), (201, 13209), (203, 13221), (204, 13230), (247, 13467), (258, 13506), (267, 13539), (284, 13626), (290, 13650), (302, 13734), (316, 13818), (319, 13830), (323, 13851), (393, 14007), (408, 14088), (417, 14136), (420, 14154), (423, 14175), (428, 14211), (434, 14262), (444, 14319), (454, 14397), (457, 14406), (475, 14484), (477, 14499), (482, 14541), (489, 14595), (519, 14835), (534, 14910), (549, 15021), (561, 15240), (563, 15252), (578, 15435), (579, 15444), (587, 15516), (594, 15546), (601, 15567), (619, 15687), (626, 15759), (629, 15777), (630, 15783),

Gene: Prithvi_21 Start: 12047, Stop: 15883, Start Num: 16
Candidate Starts for Prithvi_21:
(Start: 16 @12047 has 111 MA's), (25, 12116), (31, 12203), (60, 12383), (66, 12410), (84, 12503), (94, 12563), (95, 12575), (108, 12650), (120, 12701), (129, 12743), (132, 12764), (138, 12803), (149, 12881), (162, 12959), (166, 12983), (185, 13124), (199, 13217), (201, 13226), (203, 13238), (204, 13247), (247, 13484), (252, 13508), (258, 13523), (267, 13556), (284, 13643), (290, 13667), (302, 13751), (316, 13835), (319, 13847), (323, 13868), (332, 13949), (393, 14024), (408, 14105), (417, 14153), (420, 14171), (422, 14183), (423, 14192), (428, 14228), (434, 14279), (444, 14336), (454, 14414), (457, 14423), (475, 14501), (477, 14516), (482, 14558), (489, 14612), (519, 14852), (534, 14927), (549, 15038), (561, 15257), (563, 15269), (570, 15371), (578, 15452), (579, 15461), (587, 15533), (594, 15563), (601, 15584), (619, 15704), (626, 15776), (629, 15794), (630, 15800),

Gene: Psycho_19 Start: 12089, Stop: 16222, Start Num: 11
Candidate Starts for Psycho_19:
(Start: 11 @12089 has 1 MA's), (Start: 13 @12110 has 22 MA's), (26, 12203), (32, 12281), (34, 12305), (42, 12365), (62, 12449), (84, 12563), (94, 12623), (95, 12635), (100, 12656), (108, 12710), (119, 12758), (129, 12803), (132, 12824), (149, 12941), (162, 13019), (166, 13043), (172, 13085), (175, 13109), (185, 13184), (199, 13277), (204, 13307), (235, 13481), (243, 13520), (247, 13544), (251, 13565), (269, 13625), (284, 13703), (286, 13712), (301, 13790), (310, 13856), (317, 13898), (319, 13907), (326, 13991), (333, 14012), (335, 14045), (342, 14111), (344, 14132), (351, 14186), (354, 14195), (358, 14213), (363, 14240), (369, 14270), (375, 14306), (392, 14396), (393, 14402), (395, 14420), (416, 14525), (425, 14591), (456, 14786), (464, 14816), (474, 14849), (481, 14900), (483, 14921), (485, 14936), (486, 14942), (496, 15026), (502, 15074), (508, 15113), (513, 15173), (518, 15206), (522, 15227), (525, 15251), (533, 15281), (546, 15347), (551, 15419), (570, 15734), (571, 15743), (572, 15746), (573, 15773), (574, 15788), (576, 15803), (578, 15815), (583, 15845), (587, 15899), (592, 15917), (605, 15986), (616, 16034), (619, 16058), (620, 16070), (621, 16079), (631, 16151), (635, 16175), (640, 16214),

Gene: QuincyRose_20 Start: 12096, Stop: 15929, Start Num: 16
Candidate Starts for QuincyRose_20:

(Start: 16 @12096 has 111 MA's), (25, 12165), (31, 12252), (60, 12429), (66, 12456), (83, 12540), (84, 12549), (95, 12621), (108, 12696), (127, 12780), (129, 12789), (132, 12810), (138, 12849), (149, 12927), (162, 13005), (175, 13095), (185, 13170), (199, 13263), (203, 13284), (204, 13293), (230, 13437), (247, 13530), (258, 13569), (267, 13602), (284, 13689), (290, 13713), (302, 13797), (316, 13881), (319, 13893), (323, 13914), (393, 14070), (408, 14151), (417, 14199), (420, 14217), (423, 14238), (428, 14274), (434, 14325), (444, 14382), (454, 14460), (457, 14469), (475, 14547), (482, 14604), (489, 14658), (519, 14898), (534, 14973), (549, 15084), (561, 15303), (563, 15315), (578, 15498), (579, 15507), (587, 15579), (594, 15609), (601, 15630), (619, 15750), (626, 15822), (629, 15840), (630, 15846),

Gene: Rabbs_16 Start: 11454, Stop: 15479, Start Num: 15
Candidate Starts for Rabbs_16:
(Start: 15 @11454 has 65 MA's), (21, 11478), (35, 11655), (56, 11769), (66, 11811), (71, 11832), (74, 11841), (95, 11976), (100, 11997), (129, 12144), (135, 12186), (138, 12204), (139, 12207), (141, 12228), (142, 12240), (162, 12360), (172, 12426), (182, 12492), (184, 12516), (195, 12597), (220, 12720), (222, 12741), (237, 12831), (239, 12840), (248, 12891), (259, 12924), (263, 12942), (275, 12999), (284, 13044), (301, 13131), (302, 13152), (319, 13248), (322, 13263), (333, 13353), (337, 13410), (338, 13413), (362, 13572), (363, 13581), (368, 13608), (393, 13743), (417, 13872), (422, 13902), (452, 14124), (459, 14148), (462, 14163), (467, 14184), (479, 14238), (485, 14298), (496, 14388), (500, 14421), (502, 14436), (510, 14484), (515, 14541), (518, 14574), (565, 15006), (572, 15096), (573, 15123), (578, 15165), (579, 15174), (596, 15243), (603, 15270), (617, 15327), (627, 15387), (630, 15405), (632, 15414),

Gene: Ramen_21 Start: 12079, Stop: 15915, Start Num: 16
Candidate Starts for Ramen_21:
(Start: 16 @12079 has 111 MA's), (25, 12148), (31, 12235), (60, 12412), (66, 12439), (82, 12511), (83, 12523), (84, 12532), (95, 12604), (108, 12679), (127, 12763), (129, 12772), (132, 12793), (138, 12832), (149, 12910), (162, 12988), (175, 13078), (185, 13153), (199, 13246), (201, 13255), (203, 13267), (204, 13276), (252, 13537), (258, 13552), (267, 13585), (284, 13672), (290, 13696), (302, 13780), (316, 13864), (319, 13876), (323, 13897), (393, 14053), (408, 14134), (417, 14182), (420, 14200), (423, 14221), (428, 14257), (434, 14308), (444, 14365), (454, 14443), (457, 14452), (475, 14530), (482, 14587), (489, 14641), (519, 14881), (534, 14956), (549, 15067), (561, 15286), (563, 15298), (578, 15484), (579, 15493), (587, 15565), (594, 15595), (601, 15616), (619, 15736), (626, 15808), (629, 15826), (630, 15832),

Gene: Rapunzel97_21 Start: 12080, Stop: 15916, Start Num: 16
Candidate Starts for Rapunzel97_21:
(Start: 16 @12080 has 111 MA's), (25, 12149), (31, 12236), (60, 12413), (66, 12440), (82, 12512), (83, 12524), (84, 12533), (95, 12605), (108, 12680), (127, 12764), (129, 12773), (132, 12794), (138, 12833), (149, 12911), (162, 12989), (175, 13079), (185, 13154), (199, 13247), (201, 13256), (203, 13268), (204, 13277), (252, 13538), (258, 13553), (267, 13586), (284, 13673), (290, 13697), (302, 13781), (316, 13865), (319, 13877), (323, 13898), (393, 14054), (408, 14135), (417, 14183), (420, 14201), (423, 14222), (428, 14258), (434, 14309), (444, 14366), (454, 14444), (457, 14453), (475, 14531), (482, 14588), (489, 14642), (519, 14882), (534, 14957), (549, 15068), (561, 15287), (563, 15299), (578, 15485), (579, 15494), (587, 15566), (594, 15596), (601, 15617), (619, 15737), (626, 15809), (629, 15827), (630, 15833),

Gene: Rattrick_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Rattrick_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338,

13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Remy19_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Remy19_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Renaissance_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Renaissance_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Richarlison_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Richarlison_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Richo_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for Richo_21:
(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146, 11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375, 13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417,

13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: Rosmarinus_21 Start: 12104, Stop: 15937, Start Num: 16
Candidate Starts for Rosmarinus_21:
(Start: 16 @12104 has 111 MA's), (25, 12173), (31, 12260), (40, 12335), (60, 12437), (66, 12464), (82, 12536), (83, 12548), (84, 12557), (95, 12629), (108, 12704), (127, 12788), (129, 12797), (132, 12818), (138, 12857), (142, 12893), (149, 12935), (162, 13013), (175, 13103), (185, 13178), (199, 13271), (201, 13280), (203, 13292), (204, 13301), (247, 13538), (258, 13577), (267, 13610), (284, 13697), (290, 13721), (302, 13805), (316, 13889), (319, 13901), (323, 13922), (393, 14078), (408, 14159), (417, 14207), (420, 14225), (423, 14246), (428, 14282), (434, 14333), (444, 14390), (454, 14468), (457, 14477), (475, 14555), (477, 14570), (482, 14612), (489, 14666), (519, 14906), (534, 14981), (549, 15092), (561, 15311), (563, 15323), (578, 15506), (579, 15515), (587, 15587), (594, 15617), (601, 15638), (619, 15758), (626, 15830), (629, 15848), (630, 15854),

Gene: Ruriko_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Ruriko_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: SamuelLPlaqson_21 Start: 12024, Stop: 15863, Start Num: 16
Candidate Starts for SamuelLPlaqson_21:
(Start: 16 @12024 has 111 MA's), (25, 12093), (31, 12180), (60, 12360), (66, 12387), (83, 12471), (84, 12480), (94, 12540), (95, 12552), (108, 12627), (120, 12678), (129, 12720), (132, 12741), (138, 12780), (149, 12858), (162, 12936), (166, 12960), (185, 13101), (199, 13194), (203, 13215), (204, 13224), (247, 13461), (252, 13485), (258, 13500), (267, 13533), (284, 13620), (301, 13707), (302, 13728), (316, 13812), (319, 13824), (323, 13845), (393, 14001), (408, 14082), (420, 14148), (423, 14169), (428, 14205), (434, 14256), (439, 14274), (444, 14313), (454, 14391), (475, 14478), (477, 14493), (482, 14535), (489, 14589), (519, 14829), (534, 14904), (549, 15015), (551, 15036), (552, 15057), (559, 15177), (570, 15351), (578, 15432), (579, 15441), (587, 15513), (594, 15543), (601, 15564), (619, 15684), (626, 15756), (629, 15774), (630, 15780),

Gene: Scarlett_20 Start: 11082, Stop: 15158, Start Num: 17
Candidate Starts for Scarlett_20:
(Start: 17 @11082 has 40 MA's), (28, 11175), (41, 11307), (69, 11445), (84, 11523), (85, 11535), (86, 11541), (93, 11574), (100, 11610), (109, 11667), (111, 11679), (123, 11733), (130, 11763), (143, 11850), (146, 11865), (152, 11901), (168, 11994), (181, 12075), (206, 12258), (208, 12267), (218, 12309), (223, 12351), (232, 12411), (235, 12423), (236, 12429), (240, 12444), (245, 12465), (251, 12498), (282, 12621), (284, 12633), (285, 12639), (289, 12654), (291, 12660), (317, 12744), (325, 12825), (344, 12978), (361, 13074), (363, 13086), (369, 13116), (377, 13167), (380, 13188), (387, 13218), (389, 13224), (393, 13248), (406, 13308), (414, 13359), (421, 13404), (423, 13416), (430, 13470), (434, 13503), (444, 13560), (454, 13638), (455, 13641), (475, 13725), (479, 13752), (482, 13782), (489, 13836), (493, 13875), (519, 14076), (526, 14118), (534, 14151), (559, 14439), (561, 14496), (578, 14697), (590, 14811), (619, 14988), (626, 15072), (630, 15093),

Gene: Schiebel_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Schiebel_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: SgtBeansprout_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for SgtBeansprout_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: ShaboiShabazz_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for ShaboiShabazz_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Shadow1_19 Start: 10962, Stop: 14963, Start Num: 17
Candidate Starts for Shadow1_19:
(Start: 17 @10962 has 40 MA's), (28, 11055), (36, 11160), (45, 11214), (48, 11232), (53, 11250), (59, 11280), (65, 11307), (67, 11313), (93, 11454), (96, 11472), (97, 11475), (121, 11589), (123, 11604), (143, 11721), (146, 11736), (159, 11817), (171, 11886), (181, 11946), (206, 12129), (207, 12135), (219, 12192), (232, 12282), (235, 12294), (236, 12300), (240, 12315), (245, 12336), (248, 12354), (268, 12429), (282, 12492), (284, 12504), (289, 12525), (297, 12564), (315, 12609), (319, 12624), (337, 12786), (347, 12876), (362, 12948), (369, 12987), (377, 13038), (380, 13059), (387, 13089), (389, 13095), (393, 13119), (404, 13170), (420, 13266), (423, 13287), (428, 13323), (434, 13374), (454, 13515), (475, 13602), (479, 13629), (489, 13713), (519, 13953), (534, 14028), (562, 14361), (570, 14463), (571, 14472), (578, 14544), (579, 14553), (587, 14628), (594, 14658), (601, 14679), (619, 14796), (623, 14847), (626, 14871), (634, 14910), (635, 14922),

Gene: Shaobing_21 Start: 11128, Stop: 15282, Start Num: 17
Candidate Starts for Shaobing_21:

(10, 11086), (Start: 17 @11128 has 40 MA's), (28, 11221), (45, 11380), (50, 11407), (71, 11497), (72, 11500), (86, 11587), (104, 11695), (121, 11764), (124, 11782), (139, 11866), (143, 11908), (146, 11923), (147, 11932), (152, 11959), (162, 12022), (170, 12064), (181, 12133), (188, 12196), (189, 12205), (206, 12319), (207, 12325), (216, 12361), (218, 12370), (219, 12382), (221, 12394), (223, 12412), (232, 12472), (235, 12484), (236, 12490), (240, 12505), (244, 12523), (245, 12526), (248, 12544), (251, 12559), (263, 12598), (277, 12655), (278, 12664), (283, 12688), (284, 12694), (289, 12715), (296, 12745), (300, 12778), (313, 12862), (316, 12892), (319, 12904), (332, 13006), (339, 13084), (344, 13129), (346, 13153), (357, 13207), (358, 13210), (361, 13225), (369, 13267), (373, 13294), (375, 13303), (377, 13318), (378, 13324), (379, 13327), (407, 13468), (412, 13504), (414, 13510), (417, 13528), (421, 13555), (423, 13567), (430, 13621), (434, 13654), (445, 13714), (454, 13795), (455, 13798), (475, 13882), (477, 13897), (493, 14032), (503, 14098), (519, 14233), (559, 14584), (578, 14839), (579, 14848), (585, 14914), (619, 15109), (621, 15130), (626, 15181), (629, 15199), (630, 15205), (636, 15244),

Gene: ShedlockHolmes_20 Start: 12197, Stop: 16345, Start Num: 16
Candidate Starts for ShedlockHolmes_20:
(Start: 16 @12197 has 111 MA's), (25, 12266), (26, 12287), (28, 12293), (31, 12353), (51, 12491), (62, 12536), (66, 12557), (79, 12602), (94, 12710), (95, 12722), (100, 12743), (108, 12797), (115, 12827), (120, 12848), (127, 12881), (129, 12890), (132, 12911), (138, 12950), (149, 13028), (156, 13070), (162, 13106), (166, 13130), (191, 13304), (199, 13364), (203, 13385), (204, 13394), (233, 13562), (238, 13583), (243, 13607), (247, 13631), (251, 13652), (259, 13670), (267, 13703), (275, 13745), (276, 13748), (277, 13751), (284, 13790), (286, 13799), (299, 13868), (314, 13979), (318, 14009), (341, 14207), (344, 14240), (360, 14330), (363, 14348), (369, 14378), (373, 14405), (414, 14621), (420, 14657), (428, 14714), (430, 14732), (434, 14765), (437, 14777), (445, 14825), (454, 14906), (455, 14909), (482, 15026), (493, 15119), (505, 15197), (516, 15296), (519, 15320), (534, 15395), (570, 15854), (572, 15866), (578, 15935), (579, 15944), (610, 16136), (615, 16154), (620, 16190), (621, 16199), (629, 16265), (630, 16271), (634, 16286), (635, 16298),

Gene: ShiaSurprise_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for ShiaSurprise_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: SirPhilip_20 Start: 10854, Stop: 14759, Start Num: 17
Candidate Starts for SirPhilip_20:
(Start: 17 @10854 has 40 MA's), (28, 10947), (36, 11052), (44, 11103), (45, 11106), (67, 11205), (83, 11286), (84, 11295), (90, 11334), (93, 11346), (96, 11364), (97, 11367), (99, 11376), (105, 11424), (109, 11439), (115, 11457), (117, 11463), (119, 11475), (143, 11613), (146, 11628), (158, 11694), (159, 11709), (206, 12021), (217, 12066), (218, 12072), (219, 12084), (223, 12114), (232, 12174), (235, 12186), (236, 12192), (240, 12207), (245, 12228), (248, 12246), (249, 12249), (276, 12354), (284, 12396), (289, 12417), (297, 12456), (318, 12510), (319, 12516), (344, 12675), (348, 12708), (367, 12753), (368, 12756), (369, 12759), (373, 12786), (374, 12789), (375, 12795), (379, 12819), (385, 12852), (392, 12885), (407, 12960), (416, 13014), (417, 13020), (420, 13038), (423, 13059), (427, 13092), (445, 13206), (454, 13287), (455, 13290), (475, 13374), (489, 13485), (493, 13524), (501, 13584), (519, 13725), (534, 13800), (571, 14253), (578, 14325), (584, 14379), (590, 14430), (610, 14556), (619, 14598), (626, 14673), (630, 14694),

Gene: Sizemore_16 Start: 11465, Stop: 15478, Start Num: 15
Candidate Starts for Sizemore_16:
(Start: 15 @11465 has 65 MA's), (35, 11666), (56, 11780), (66, 11822), (74, 11852), (95, 11987), (98, 11999), (100, 12008), (135, 12197), (138, 12215), (139, 12218), (141, 12239), (142, 12251), (154, 12323), (162, 12371), (182, 12503), (184, 12527), (195, 12608), (220, 12731), (231, 12815), (239, 12851), (247, 12896), (248, 12902), (275, 13010), (280, 13034), (284, 13055), (322, 13274), (338, 13424), (347, 13511), (368, 13619), (393, 13754), (414, 13865), (417, 13883), (422, 13913), (452, 14135), (459, 14159), (462, 14174), (467, 14195), (475, 14222), (479, 14249), (485, 14309), (496, 14399), (500, 14432), (510, 14495), (515, 14552), (518, 14585), (520, 14594), (572, 15098), (573, 15125), (576, 15155), (578, 15167), (579, 15176), (596, 15245), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: Slimphazie_21 Start: 12080, Stop: 15916, Start Num: 16
Candidate Starts for Slimphazie_21:
(Start: 16 @12080 has 111 MA's), (25, 12149), (31, 12236), (60, 12413), (66, 12440), (82, 12512), (83, 12524), (84, 12533), (95, 12605), (108, 12680), (127, 12764), (129, 12773), (132, 12794), (138, 12833), (149, 12911), (162, 12989), (175, 13079), (185, 13154), (199, 13247), (201, 13256), (203, 13268), (204, 13277), (252, 13538), (258, 13553), (267, 13586), (284, 13673), (290, 13697), (302, 13781), (316, 13865), (319, 13877), (323, 13898), (393, 14054), (408, 14135), (417, 14183), (420, 14201), (423, 14222), (428, 14258), (434, 14309), (444, 14366), (454, 14444), (457, 14453), (475, 14531), (482, 14588), (489, 14642), (519, 14882), (534, 14957), (549, 15068), (561, 15287), (563, 15299), (578, 15485), (579, 15494), (587, 15566), (594, 15596), (601, 15617), (619, 15737), (626, 15809), (629, 15827), (630, 15833),

Gene: Sneeze_16 Start: 11453, Stop: 15478, Start Num: 15
Candidate Starts for Sneeze_16:
(Start: 15 @11453 has 65 MA's), (21, 11477), (35, 11654), (56, 11768), (66, 11810), (71, 11831), (74, 11840), (95, 11975), (100, 11996), (129, 12143), (135, 12185), (138, 12203), (139, 12206), (141, 12227), (142, 12239), (162, 12359), (172, 12425), (182, 12491), (184, 12515), (195, 12596), (220, 12719), (222, 12740), (237, 12830), (239, 12839), (248, 12890), (259, 12923), (263, 12941), (275, 12998), (284, 13043), (301, 13130), (302, 13151), (319, 13247), (322, 13262), (333, 13352), (337, 13409), (338, 13412), (362, 13571), (363, 13580), (368, 13607), (393, 13742), (417, 13871), (422, 13901), (452, 14123), (459, 14147), (462, 14162), (467, 14183), (479, 14237), (485, 14297), (496, 14387), (500, 14420), (502, 14435), (510, 14483), (515, 14540), (518, 14573), (565, 15005), (572, 15095), (573, 15122), (578, 15164), (579, 15173), (596, 15242), (603, 15269), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: SoSeph_19 Start: 12264, Stop: 16394, Start Num: 13
Candidate Starts for SoSeph_19:
(Start: 13 @12264 has 22 MA's), (26, 12357), (32, 12435), (34, 12459), (42, 12519), (62, 12603), (64, 12615), (84, 12717), (94, 12777), (95, 12789), (100, 12810), (108, 12864), (119, 12912), (129, 12957), (132, 12978), (149, 13095), (162, 13173), (166, 13197), (175, 13263), (185, 13338), (199, 13431), (204, 13461), (235, 13635), (237, 13644), (243, 13674), (247, 13698), (251, 13719), (269, 13779), (284, 13857), (286, 13866), (301, 13944), (310, 14010), (317, 14052), (319, 14061), (326, 14145), (333, 14166), (335, 14199), (351, 14340), (354, 14349), (358, 14367), (363, 14394), (376, 14472), (393, 14556), (416, 14679), (425, 14745), (456, 14940), (464, 14970), (473, 14997), (474, 15003), (480, 15030), (483, 15075), (485, 15090), (486, 15096), (496, 15180), (502, 15228), (508, 15267), (513, 15327), (518, 15360), (522, 15381), (525, 15405), (533, 15438), (546, 15522), (551, 15594), (570, 15903), (574, 15957), (576, 15972), (578, 15984), (583, 16014), (616, 16200), (619, 16224), (620, 16236), (631, 16323), (635, 16347),

Gene: Spock_21 Start: 12116, Stop: 15949, Start Num: 16

Candidate Starts for Spock_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Stargaze_16 Start: 11766, Stop: 15800, Start Num: 17
Candidate Starts for Stargaze_16:
(Start: 17 @11766 has 40 MA's), (28, 11862), (35, 11967), (48, 12042), (53, 12060), (55, 12072), (59, 12090), (65, 12117), (67, 12123), (86, 12231), (88, 12237), (90, 12252), (93, 12264), (96, 12282), (103, 12327), (112, 12363), (116, 12378), (119, 12393), (121, 12399), (139, 12501), (143, 12543), (146, 12558), (152, 12594), (162, 12657), (165, 12678), (168, 12687), (177, 12750), (181, 12768), (200, 12909), (206, 12951), (213, 12981), (214, 12984), (216, 12993), (218, 13002), (223, 13044), (234, 13113), (235, 13116), (236, 13122), (240, 13137), (245, 13158), (246, 13167), (270, 13263), (280, 13305), (284, 13326), (290, 13350), (293, 13362), (294, 13365), (302, 13422), (307, 13455), (312, 13494), (319, 13536), (320, 13539), (333, 13641), (338, 13701), (339, 13716), (343, 13752), (351, 13815), (356, 13836), (368, 13896), (389, 14007), (393, 14031), (404, 14082), (405, 14088), (425, 14220), (448, 14352), (459, 14436), (462, 14451), (478, 14517), (485, 14586), (494, 14667), (496, 14676), (510, 14769), (515, 14826), (517, 14859), (530, 14919), (532, 14934), (559, 15213), (572, 15402), (573, 15429), (578, 15471), (627, 15708), (630, 15726), (633, 15741), (635, 15753),

Gene: Stinson_21 Start: 12048, Stop: 15881, Start Num: 16
Candidate Starts for Stinson_21:
(Start: 16 @12048 has 111 MA's), (25, 12117), (31, 12204), (60, 12384), (66, 12411), (83, 12495), (84, 12504), (94, 12564), (95, 12576), (108, 12651), (118, 12693), (127, 12735), (129, 12744), (132, 12765), (138, 12804), (149, 12882), (162, 12960), (185, 13125), (199, 13218), (203, 13239), (204, 13248), (247, 13485), (252, 13509), (258, 13524), (267, 13557), (284, 13644), (302, 13752), (316, 13836), (319, 13848), (323, 13869), (332, 13950), (393, 14025), (408, 14106), (410, 14115), (417, 14154), (420, 14172), (423, 14193), (428, 14229), (434, 14280), (444, 14337), (454, 14415), (457, 14424), (475, 14502), (477, 14517), (482, 14559), (489, 14613), (519, 14853), (534, 14928), (549, 15039), (561, 15258), (570, 15372), (578, 15453), (579, 15462), (587, 15534), (594, 15564), (601, 15585), (619, 15702), (626, 15774), (630, 15798),

Gene: Strobilo_17 Start: 10116, Stop: 13787, Start Num: 14
Candidate Starts for Strobilo_17:
(Start: 14 @10116 has 10 MA's), (25, 10188), (70, 10422), (82, 10473), (95, 10566), (100, 10587), (108, 10641), (129, 10734), (132, 10755), (135, 10776), (136, 10782), (149, 10872), (156, 10914), (162, 10950), (169, 10983), (170, 10995), (173, 11019), (175, 11040), (180, 11064), (181, 11070), (184, 11106), (185, 11115), (191, 11148), (193, 11160), (195, 11187), (231, 11370), (233, 11382), (235, 11388), (239, 11406), (243, 11427), (247, 11451), (253, 11475), (274, 11484), (283, 11499), (292, 11511), (303, 11544), (310, 11592), (328, 11733), (329, 11739), (334, 11775), (340, 11802), (345, 11820), (359, 11850), (381, 11946), (390, 11979), (403, 12015), (415, 12066), (420, 12099), (423, 12120), (426, 12144), (431, 12174), (433, 12195), (482, 12417), (493, 12510), (505, 12588), (519, 12711), (539, 12816), (543, 12864), (570, 13284), (571, 13293), (573, 13323), (598, 13488), (619, 13617), (630, 13710),

Gene: Sulley_21 Start: 12049, Stop: 15882, Start Num: 16
Candidate Starts for Sulley_21:

(Start: 16 @12049 has 111 MA's), (25, 12118), (31, 12205), (60, 12382), (66, 12409), (83, 12493), (84, 12502), (95, 12574), (108, 12649), (127, 12733), (129, 12742), (132, 12763), (138, 12802), (149, 12880), (162, 12958), (175, 13048), (185, 13123), (199, 13216), (203, 13237), (204, 13246), (247, 13483), (258, 13522), (267, 13555), (284, 13642), (290, 13666), (302, 13750), (316, 13834), (319, 13846), (323, 13867), (393, 14023), (408, 14104), (417, 14152), (420, 14170), (423, 14191), (428, 14227), (434, 14278), (444, 14335), (454, 14413), (457, 14422), (475, 14500), (477, 14515), (482, 14557), (489, 14611), (519, 14851), (534, 14926), (549, 15037), (561, 15256), (563, 15268), (578, 15451), (579, 15460), (594, 15562), (601, 15583), (619, 15703), (626, 15775), (629, 15793), (630, 15799),

Gene: Sunflower1121_19 Start: 10973, Stop: 14974, Start Num: 17
Candidate Starts for Sunflower1121_19:
(7, 10925), (Start: 17 @10973 has 40 MA's), (28, 11066), (36, 11171), (45, 11225), (48, 11243), (53, 11261), (59, 11291), (65, 11318), (67, 11324), (80, 11369), (93, 11465), (96, 11483), (97, 11486), (121, 11600), (123, 11615), (143, 11732), (146, 11747), (159, 11828), (170, 11888), (171, 11897), (181, 11957), (206, 12140), (207, 12146), (219, 12203), (232, 12293), (235, 12305), (236, 12311), (240, 12326), (245, 12347), (248, 12365), (268, 12440), (282, 12503), (284, 12515), (289, 12536), (297, 12575), (315, 12620), (319, 12635), (337, 12797), (344, 12860), (347, 12887), (362, 12959), (369, 12998), (377, 13049), (380, 13070), (387, 13100), (389, 13106), (393, 13130), (404, 13181), (423, 13298), (428, 13334), (434, 13385), (454, 13526), (475, 13613), (479, 13640), (489, 13724), (519, 13964), (534, 14039), (562, 14372), (570, 14474), (571, 14483), (578, 14555), (579, 14564), (587, 14639), (594, 14669), (601, 14690), (619, 14807), (623, 14858), (626, 14882), (634, 14921), (635, 14933),

Gene: Sweets_16 Start: 11459, Stop: 15472, Start Num: 15
Candidate Starts for Sweets_16:
(Start: 15 @11459 has 65 MA's), (35, 11660), (56, 11774), (66, 11816), (74, 11846), (95, 11981), (98, 11993), (100, 12002), (135, 12191), (138, 12209), (139, 12212), (141, 12233), (142, 12245), (154, 12317), (162, 12365), (182, 12497), (184, 12521), (195, 12602), (220, 12725), (231, 12809), (239, 12845), (247, 12890), (248, 12896), (275, 13004), (280, 13028), (284, 13049), (322, 13268), (338, 13418), (347, 13505), (368, 13613), (393, 13748), (414, 13859), (417, 13877), (422, 13907), (452, 14129), (459, 14153), (462, 14168), (467, 14189), (475, 14216), (479, 14243), (485, 14303), (496, 14393), (500, 14426), (510, 14489), (515, 14546), (518, 14579), (520, 14588), (572, 15092), (573, 15119), (576, 15149), (578, 15161), (579, 15170), (596, 15239), (617, 15320), (627, 15380), (630, 15398), (632, 15407),

Gene: Syra333_20 Start: 11068, Stop: 15069, Start Num: 17
Candidate Starts for Syra333_20:
(Start: 17 @11068 has 40 MA's), (28, 11161), (36, 11266), (45, 11320), (48, 11338), (53, 11356), (59, 11386), (65, 11413), (67, 11419), (80, 11464), (93, 11560), (96, 11578), (97, 11581), (121, 11695), (123, 11710), (143, 11827), (146, 11842), (159, 11923), (170, 11983), (171, 11992), (181, 12052), (206, 12235), (207, 12241), (219, 12298), (232, 12388), (235, 12400), (236, 12406), (240, 12421), (245, 12442), (248, 12460), (268, 12535), (276, 12568), (282, 12598), (284, 12610), (289, 12631), (297, 12670), (315, 12715), (319, 12730), (337, 12892), (344, 12955), (347, 12982), (362, 13054), (369, 13093), (377, 13144), (380, 13165), (387, 13195), (389, 13201), (393, 13225), (404, 13276), (420, 13372), (423, 13393), (428, 13429), (434, 13480), (454, 13621), (455, 13624), (475, 13708), (479, 13735), (489, 13819), (491, 13831), (519, 14059), (534, 14134), (578, 14650), (579, 14659), (587, 14734), (594, 14764), (601, 14785), (619, 14902), (626, 14977), (634, 15016), (635, 15028),

Gene: TBond007_20 Start: 11948, Stop: 16126, Start Num: 16
Candidate Starts for TBond007_20:
(Start: 16 @11948 has 111 MA's), (25, 12017), (26, 12038), (28, 12044), (31, 12104), (51, 12242), (62, 12287), (66, 12308), (94, 12461), (95, 12473), (100, 12494), (108, 12548), (115, 12578), (120, 12599),

(127, 12632), (129, 12641), (132, 12662), (138, 12701), (149, 12779), (156, 12821), (162, 12857), (166, 12881), (191, 13055), (195, 13094), (199, 13115), (203, 13136), (204, 13145), (233, 13313), (238, 13334), (243, 13358), (247, 13382), (251, 13403), (259, 13421), (267, 13454), (275, 13496), (276, 13499), (277, 13502), (284, 13541), (286, 13550), (299, 13619), (314, 13730), (318, 13760), (341, 13958), (344, 13991), (360, 14081), (363, 14099), (369, 14129), (373, 14156), (414, 14372), (420, 14408), (428, 14465), (430, 14483), (432, 14504), (434, 14516), (445, 14576), (454, 14657), (463, 14696), (471, 14729), (475, 14744), (476, 14750), (477, 14759), (482, 14801), (493, 14894), (505, 14972), (519, 15095), (534, 15170), (570, 15635), (572, 15647), (578, 15716), (579, 15725), (610, 15917), (620, 15971), (621, 15980), (629, 16046), (630, 16052), (634, 16067), (635, 16079),

Gene: TClif_20 Start: 11063, Stop: 15118, Start Num: 17
Candidate Starts for TClif_20:
(7, 11015), (Start: 17 @11063 has 40 MA's), (20, 11081), (28, 11156), (45, 11315), (65, 11408), (68, 11417), (72, 11435), (77, 11450), (84, 11504), (90, 11543), (93, 11555), (97, 11576), (103, 11618), (109, 11648), (117, 11672), (137, 11783), (143, 11822), (146, 11837), (147, 11846), (152, 11873), (162, 11936), (181, 12047), (186, 12098), (206, 12230), (217, 12275), (218, 12281), (223, 12323), (232, 12383), (235, 12395), (236, 12401), (240, 12416), (245, 12437), (248, 12455), (251, 12470), (262, 12506), (276, 12563), (282, 12593), (284, 12605), (288, 12623), (314, 12689), (318, 12719), (319, 12725), (330, 12824), (333, 12830), (344, 12950), (350, 12998), (354, 13013), (361, 13046), (363, 13058), (369, 13088), (375, 13124), (377, 13139), (378, 13145), (383, 13172), (389, 13196), (393, 13220), (401, 13250), (404, 13271), (417, 13349), (423, 13388), (428, 13424), (434, 13475), (446, 13538), (454, 13616), (455, 13619), (461, 13643), (475, 13703), (493, 13853), (519, 14054), (534, 14129), (544, 14198), (578, 14678), (579, 14687), (583, 14708), (587, 14783), (590, 14795), (594, 14813), (601, 14834), (619, 14951), (626, 15026), (629, 15044), (630, 15050), (634, 15065), (635, 15077), (636, 15089), (637, 15092), (639, 15113),

Gene: Tachez_21 Start: 12042, Stop: 15878, Start Num: 16
Candidate Starts for Tachez_21:
(Start: 16 @12042 has 111 MA's), (25, 12111), (31, 12198), (60, 12375), (66, 12402), (82, 12474), (83, 12486), (84, 12495), (95, 12567), (108, 12642), (127, 12726), (129, 12735), (132, 12756), (138, 12795), (149, 12873), (162, 12951), (175, 13041), (185, 13116), (199, 13209), (201, 13218), (203, 13230), (204, 13239), (252, 13500), (258, 13515), (267, 13548), (284, 13635), (290, 13659), (302, 13743), (316, 13827), (319, 13839), (323, 13860), (393, 14016), (408, 14097), (417, 14145), (420, 14163), (423, 14184), (428, 14220), (434, 14271), (444, 14328), (454, 14406), (457, 14415), (475, 14493), (482, 14550), (489, 14604), (519, 14844), (534, 14919), (549, 15030), (561, 15249), (563, 15261), (578, 15447), (579, 15456), (587, 15528), (594, 15558), (601, 15579), (619, 15699), (626, 15771), (629, 15789), (630, 15795),

Gene: Taheera_16 Start: 11466, Stop: 15491, Start Num: 15
Candidate Starts for Taheera_16:
(Start: 15 @11466 has 65 MA's), (21, 11490), (35, 11667), (56, 11781), (66, 11823), (71, 11844), (74, 11853), (95, 11988), (100, 12009), (129, 12156), (135, 12198), (138, 12216), (139, 12219), (140, 12234), (141, 12240), (142, 12252), (162, 12372), (172, 12438), (182, 12504), (184, 12528), (195, 12609), (220, 12732), (222, 12753), (231, 12816), (237, 12843), (239, 12852), (248, 12903), (263, 12954), (275, 13011), (284, 13056), (301, 13143), (319, 13260), (322, 13275), (333, 13365), (337, 13422), (338, 13425), (360, 13575), (363, 13593), (417, 13884), (422, 13914), (452, 14136), (459, 14160), (462, 14175), (467, 14196), (479, 14250), (485, 14310), (496, 14400), (500, 14433), (502, 14448), (510, 14496), (515, 14553), (518, 14586), (565, 15018), (572, 15108), (573, 15135), (578, 15177), (579, 15186), (596, 15255), (603, 15282), (617, 15339), (627, 15399), (630, 15417), (632, 15426),

Gene: TaiwanKao_22 Start: 12053, Stop: 15889, Start Num: 16
Candidate Starts for TaiwanKao_22:

(Start: 16 @12053 has 111 MA's), (25, 12122), (31, 12209), (60, 12389), (66, 12416), (83, 12500), (84, 12509), (94, 12569), (95, 12581), (108, 12656), (118, 12698), (127, 12740), (129, 12749), (132, 12770), (138, 12809), (149, 12887), (162, 12965), (185, 13130), (199, 13223), (201, 13232), (203, 13244), (204, 13253), (247, 13490), (252, 13514), (258, 13529), (267, 13562), (284, 13649), (290, 13673), (302, 13757), (316, 13841), (319, 13853), (332, 13955), (393, 14030), (408, 14111), (417, 14159), (420, 14177), (422, 14189), (423, 14198), (428, 14234), (434, 14285), (444, 14342), (454, 14420), (457, 14429), (475, 14507), (477, 14522), (482, 14564), (489, 14618), (519, 14858), (534, 14933), (549, 15044), (561, 15263), (563, 15275), (570, 15377), (578, 15458), (579, 15467), (587, 15539), (594, 15569), (601, 15590), (619, 15710), (626, 15782), (629, 15800), (630, 15806),

Gene: Teejan_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Teejan_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: Terror_16 Start: 11466, Stop: 15491, Start Num: 15
Candidate Starts for Terror_16:
(Start: 15 @11466 has 65 MA's), (21, 11490), (35, 11667), (56, 11781), (66, 11823), (71, 11844), (74, 11853), (95, 11988), (100, 12009), (129, 12156), (135, 12198), (138, 12216), (139, 12219), (140, 12234), (141, 12240), (142, 12252), (162, 12372), (172, 12438), (182, 12504), (184, 12528), (195, 12609), (220, 12732), (222, 12753), (231, 12816), (237, 12843), (239, 12852), (248, 12903), (263, 12954), (275, 13011), (284, 13056), (301, 13143), (319, 13260), (322, 13275), (333, 13365), (337, 13422), (338, 13425), (360, 13575), (363, 13593), (417, 13884), (422, 13914), (452, 14136), (459, 14160), (462, 14175), (467, 14196), (479, 14250), (485, 14310), (496, 14400), (500, 14433), (502, 14448), (510, 14496), (515, 14553), (518, 14586), (565, 15018), (572, 15108), (573, 15135), (578, 15177), (579, 15186), (596, 15255), (603, 15282), (617, 15339), (627, 15399), (630, 15417), (632, 15426),

Gene: Thyatira_19 Start: 12136, Stop: 16245, Start Num: 13
Candidate Starts for Thyatira_19:
(Start: 13 @12136 has 22 MA's), (42, 12394), (62, 12478), (79, 12544), (84, 12592), (94, 12652), (95, 12664), (100, 12685), (108, 12739), (115, 12769), (129, 12832), (132, 12853), (140, 12910), (149, 12970), (162, 13048), (166, 13072), (172, 13114), (177, 13147), (199, 13306), (203, 13327), (222, 13405), (231, 13468), (234, 13483), (235, 13486), (237, 13495), (238, 13501), (241, 13513), (250, 13567), (277, 13669), (284, 13708), (310, 13861), (317, 13903), (322, 13927), (333, 14017), (335, 14050), (351, 14191), (354, 14200), (358, 14218), (363, 14245), (376, 14323), (393, 14407), (416, 14530), (425, 14596), (440, 14698), (456, 14791), (460, 14800), (464, 14821), (474, 14854), (481, 14905), (483, 14926), (485, 14941), (486, 14947), (496, 15031), (499, 15061), (502, 15079), (508, 15118), (513, 15178), (518, 15211), (522, 15232), (525, 15256), (533, 15289), (546, 15373), (551, 15445), (570, 15754), (574, 15808), (576, 15823), (578, 15835), (583, 15865), (616, 16051), (619, 16075), (620, 16087), (631, 16174), (635, 16198),

Gene: Tierra_20 Start: 11792, Stop: 15793, Start Num: 17
Candidate Starts for Tierra_20:
(Start: 17 @11792 has 40 MA's), (28, 11885), (36, 11990), (41, 12017), (45, 12044), (48, 12062), (53, 12080), (58, 12104), (59, 12110), (65, 12137), (67, 12143), (77, 12179), (80, 12188), (82, 12212), (93,

12284), (96, 12302), (97, 12305), (123, 12434), (143, 12551), (159, 12647), (165, 12686), (171, 12716), (181, 12776), (206, 12959), (207, 12965), (208, 12968), (219, 13022), (223, 13052), (232, 13112), (235, 13124), (236, 13130), (240, 13145), (245, 13166), (248, 13184), (282, 13322), (284, 13334), (289, 13355), (297, 13394), (318, 13448), (319, 13454), (337, 13616), (344, 13679), (358, 13760), (361, 13775), (369, 13817), (377, 13868), (380, 13889), (387, 13919), (389, 13925), (393, 13949), (404, 14000), (414, 14060), (423, 14117), (428, 14153), (430, 14171), (434, 14204), (454, 14345), (455, 14348), (475, 14432), (479, 14459), (489, 14543), (519, 14783), (534, 14858), (562, 15191), (570, 15293), (571, 15302), (578, 15374), (587, 15458), (594, 15488), (601, 15509), (619, 15626), (626, 15701), (634, 15740), (635, 15752),

Gene: Tigress9_20 Start: 11051, Stop: 15055, Start Num: 17
Candidate Starts for Tigress9_20:
(Start: 17 @11051 has 40 MA's), (28, 11144), (36, 11249), (45, 11303), (48, 11321), (53, 11339), (59, 11369), (65, 11396), (67, 11402), (80, 11447), (93, 11543), (96, 11561), (97, 11564), (121, 11678), (123, 11693), (143, 11810), (146, 11825), (159, 11906), (170, 11966), (171, 11975), (181, 12035), (206, 12218), (207, 12224), (219, 12281), (232, 12371), (235, 12383), (236, 12389), (240, 12404), (245, 12425), (248, 12443), (268, 12518), (276, 12551), (282, 12581), (284, 12593), (289, 12614), (297, 12653), (315, 12698), (319, 12713), (337, 12875), (344, 12938), (347, 12965), (362, 13037), (369, 13076), (377, 13127), (380, 13148), (387, 13178), (389, 13184), (393, 13208), (404, 13259), (420, 13355), (423, 13376), (428, 13412), (434, 13463), (454, 13604), (455, 13607), (475, 13691), (479, 13718), (489, 13802), (519, 14042), (534, 14117), (570, 14555), (571, 14564), (578, 14636), (579, 14645), (587, 14720), (594, 14750), (601, 14771), (619, 14888), (626, 14963), (634, 15002), (635, 15014),

Gene: TinaBug_16 Start: 11459, Stop: 15472, Start Num: 15
Candidate Starts for TinaBug_16:
(Start: 15 @11459 has 65 MA's), (35, 11660), (56, 11774), (66, 11816), (74, 11846), (95, 11981), (98, 11993), (100, 12002), (135, 12191), (138, 12209), (139, 12212), (141, 12233), (142, 12245), (154, 12317), (162, 12365), (182, 12497), (184, 12521), (195, 12602), (220, 12725), (231, 12809), (239, 12845), (247, 12890), (248, 12896), (275, 13004), (280, 13028), (284, 13049), (322, 13268), (338, 13418), (347, 13505), (368, 13613), (393, 13748), (414, 13859), (417, 13877), (422, 13907), (452, 14129), (459, 14153), (462, 14168), (467, 14189), (475, 14216), (479, 14243), (485, 14303), (496, 14393), (500, 14426), (510, 14489), (515, 14546), (518, 14579), (520, 14588), (572, 15092), (573, 15119), (576, 15149), (578, 15161), (579, 15170), (596, 15239), (617, 15320), (627, 15380), (630, 15398), (632, 15407),

Gene: TingHuaYa_21 Start: 11093, Stop: 15220, Start Num: 17
Candidate Starts for TingHuaYa_21:
(10, 11045), (Start: 17 @11093 has 40 MA's), (28, 11186), (41, 11318), (44, 11342), (50, 11372), (55, 11393), (58, 11405), (65, 11438), (72, 11465), (86, 11552), (93, 11585), (96, 11603), (97, 11606), (103, 11648), (115, 11696), (139, 11822), (143, 11864), (146, 11879), (152, 11915), (163, 11987), (181, 12089), (206, 12272), (216, 12314), (217, 12317), (218, 12323), (219, 12335), (223, 12365), (232, 12425), (236, 12443), (240, 12458), (244, 12476), (245, 12479), (251, 12512), (274, 12593), (277, 12608), (284, 12647), (289, 12668), (316, 12845), (319, 12857), (321, 12866), (324, 12917), (332, 12959), (344, 13082), (346, 13106), (358, 13163), (361, 13178), (362, 13181), (373, 13247), (375, 13256), (379, 13280), (389, 13328), (404, 13403), (407, 13421), (417, 13481), (421, 13508), (423, 13520), (428, 13556), (430, 13574), (438, 13619), (441, 13649), (445, 13667), (454, 13748), (455, 13751), (475, 13835), (477, 13850), (481, 13889), (482, 13892), (493, 13985), (503, 14051), (519, 14186), (559, 14537), (570, 14708), (578, 14789), (587, 14873), (619, 15041), (626, 15113), (629, 15131), (630, 15137),

Gene: TiniBug_21 Start: 12024, Stop: 15860, Start Num: 16
Candidate Starts for TiniBug_21:

(Start: 16 @12024 has 111 MA's), (25, 12093), (31, 12180), (60, 12360), (66, 12387), (83, 12471), (84, 12480), (94, 12540), (95, 12552), (108, 12627), (118, 12669), (127, 12711), (129, 12720), (132, 12741), (138, 12780), (149, 12858), (162, 12936), (185, 13101), (199, 13194), (203, 13215), (204, 13224), (247, 13461), (252, 13485), (258, 13500), (267, 13533), (284, 13620), (301, 13707), (302, 13728), (316, 13812), (319, 13824), (323, 13845), (393, 14001), (408, 14082), (420, 14148), (423, 14169), (428, 14205), (434, 14256), (439, 14274), (444, 14313), (454, 14391), (475, 14478), (477, 14493), (482, 14535), (489, 14589), (519, 14829), (534, 14904), (549, 15015), (551, 15036), (552, 15057), (559, 15177), (570, 15348), (578, 15429), (579, 15438), (587, 15510), (594, 15540), (601, 15561), (619, 15681), (626, 15753), (629, 15771), (630, 15777),

Gene: Tiri_21 Start: 12088, Stop: 15921, Start Num: 16
Candidate Starts for Tiri_21:
(2, 11869), (9, 12049), (Start: 16 @12088 has 111 MA's), (25, 12157), (31, 12244), (60, 12421), (66, 12448), (83, 12532), (84, 12541), (95, 12613), (108, 12688), (127, 12772), (129, 12781), (132, 12802), (138, 12841), (149, 12919), (162, 12997), (175, 13087), (185, 13162), (199, 13255), (201, 13264), (203, 13276), (204, 13285), (237, 13468), (247, 13522), (258, 13561), (267, 13594), (284, 13681), (290, 13705), (302, 13789), (316, 13873), (319, 13885), (323, 13906), (393, 14062), (408, 14143), (417, 14191), (420, 14209), (423, 14230), (428, 14266), (434, 14317), (444, 14374), (454, 14452), (457, 14461), (475, 14539), (482, 14596), (489, 14650), (519, 14890), (534, 14965), (549, 15076), (561, 15295), (563, 15307), (570, 15409), (578, 15490), (579, 15499), (594, 15601), (601, 15622), (619, 15742), (626, 15814), (629, 15832), (630, 15838),

Gene: TomBrady_16 Start: 11465, Stop: 15478, Start Num: 15
Candidate Starts for TomBrady_16:
(Start: 15 @11465 has 65 MA's), (35, 11666), (56, 11780), (66, 11822), (74, 11852), (95, 11987), (98, 11999), (100, 12008), (135, 12197), (138, 12215), (139, 12218), (141, 12239), (142, 12251), (154, 12323), (162, 12371), (182, 12503), (184, 12527), (195, 12608), (220, 12731), (231, 12815), (239, 12851), (247, 12896), (248, 12902), (275, 13010), (280, 13034), (284, 13055), (322, 13274), (338, 13424), (347, 13511), (368, 13619), (393, 13754), (414, 13865), (417, 13883), (422, 13913), (452, 14135), (459, 14159), (462, 14174), (467, 14195), (475, 14222), (479, 14249), (485, 14309), (496, 14399), (500, 14432), (510, 14495), (515, 14552), (518, 14585), (520, 14594), (572, 15098), (573, 15125), (576, 15155), (578, 15167), (579, 15176), (596, 15245), (617, 15326), (627, 15386), (630, 15404), (632, 15413),

Gene: Topper_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Topper_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Torres_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Torres_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364),

(354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: TreyKay_21 Start: 12047, Stop: 15883, Start Num: 16
Candidate Starts for TreyKay_21:
(Start: 16 @12047 has 111 MA's), (25, 12116), (31, 12203), (60, 12383), (66, 12410), (84, 12503), (94, 12563), (95, 12575), (108, 12650), (120, 12701), (129, 12743), (132, 12764), (138, 12803), (149, 12881), (162, 12959), (166, 12983), (185, 13124), (199, 13217), (201, 13226), (203, 13238), (204, 13247), (247, 13484), (252, 13508), (258, 13523), (267, 13556), (284, 13643), (290, 13667), (302, 13751), (316, 13835), (319, 13847), (323, 13868), (332, 13949), (393, 14024), (408, 14105), (417, 14153), (420, 14171), (422, 14183), (423, 14192), (428, 14228), (434, 14279), (444, 14336), (454, 14414), (457, 14423), (475, 14501), (477, 14516), (482, 14558), (489, 14612), (519, 14852), (534, 14927), (549, 15038), (561, 15257), (563, 15269), (570, 15371), (578, 15452), (579, 15461), (587, 15533), (594, 15563), (601, 15584), (619, 15704), (626, 15776), (629, 15794), (630, 15800),

Gene: TribleTrouble_19 Start: 12006, Stop: 16166, Start Num: 16
Candidate Starts for TribleTrouble_19:
(Start: 16 @12006 has 111 MA's), (25, 12075), (26, 12096), (28, 12102), (31, 12162), (57, 12327), (62, 12345), (66, 12366), (71, 12387), (79, 12411), (83, 12450), (91, 12513), (94, 12519), (95, 12531), (108, 12606), (129, 12699), (132, 12720), (138, 12759), (149, 12837), (157, 12882), (162, 12915), (166, 12939), (172, 12981), (191, 13113), (199, 13173), (203, 13194), (204, 13203), (222, 13296), (233, 13371), (243, 13416), (247, 13440), (251, 13461), (260, 13485), (266, 13509), (276, 13557), (284, 13599), (309, 13755), (316, 13812), (337, 13986), (341, 14016), (344, 14049), (369, 14187), (373, 14214), (379, 14247), (391, 14301), (393, 14319), (401, 14349), (414, 14430), (420, 14466), (430, 14541), (434, 14574), (442, 14619), (445, 14634), (454, 14715), (455, 14718), (471, 14787), (475, 14802), (476, 14808), (477, 14817), (489, 14913), (493, 14952), (505, 15030), (516, 15129), (519, 15153), (534, 15228), (567, 15654), (570, 15684), (571, 15693), (572, 15696), (579, 15774), (600, 15900), (610, 15960), (615, 15978), (624, 16056), (630, 16092), (634, 16107), (635, 16119), (640, 16158),

Gene: Trice_17 Start: 11327, Stop: 15460, Start Num: 16
Candidate Starts for Trice_17:
(9, 11288), (Start: 16 @11327 has 111 MA's), (25, 11396), (31, 11483), (40, 11561), (62, 11669), (66, 11690), (75, 11723), (95, 11855), (99, 11870), (100, 11876), (108, 11930), (115, 11960), (129, 12023), (132, 12044), (138, 12083), (149, 12161), (162, 12239), (166, 12263), (199, 12497), (217, 12578), (224, 12638), (233, 12695), (242, 12731), (247, 12764), (252, 12788), (270, 12854), (272, 12863), (284, 12923), (302, 13031), (310, 13076), (333, 13232), (343, 13343), (344, 13352), (345, 13364), (354, 13415), (358, 13433), (363, 13460), (369, 13490), (385, 13583), (393, 13622), (423, 13790), (430, 13844), (434, 13877), (443, 13922), (454, 14003), (455, 14006), (475, 14090), (476, 14096), (477, 14105), (482, 14147), (487, 14183), (489, 14201), (493, 14240), (501, 14300), (519, 14441), (531, 14501), (534, 14516), (563, 14858), (578, 15047), (579, 15056), (586, 15119), (630, 15395),

Gene: TruffulaTree_21 Start: 12076, Stop: 15912, Start Num: 16
Candidate Starts for TruffulaTree_21:
(Start: 16 @12076 has 111 MA's), (25, 12145), (31, 12232), (60, 12409), (66, 12436), (82, 12508), (83, 12520), (84, 12529), (95, 12601), (108, 12676), (127, 12760), (129, 12769), (132, 12790), (138, 12829), (149, 12907), (162, 12985), (175, 13075), (185, 13150), (199, 13243), (201, 13252), (203, 13264), (204, 13273), (252, 13534), (258, 13549), (267, 13582), (284, 13669), (290, 13693), (302, 13777), (316, 13861), (319, 13873), (323, 13894), (393, 14050), (408, 14131), (417, 14179), (420, 14197), (423, 14218), (428, 14254), (434, 14305), (444, 14362), (454, 14440), (457, 14449), (475, 14527), (482, 14584), (489, 14638), (519, 14878), (534, 14953), (549, 15064), (561, 15283), (563,

15295), (578, 15481), (579, 15490), (587, 15562), (594, 15592), (601, 15613), (619, 15733), (626, 15805), (629, 15823), (630, 15829),

Gene: Twitch_21 Start: 12116, Stop: 15949, Start Num: 16
Candidate Starts for Twitch_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (31, 12272), (40, 12347), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (142, 12905), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (477, 14582), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15518), (579, 15527), (587, 15599), (594, 15629), (601, 15650), (619, 15770), (626, 15842), (629, 15860), (630, 15866),

Gene: Unicorn_20 Start: 11123, Stop: 15124, Start Num: 17
Candidate Starts for Unicorn_20:
(Start: 17 @11123 has 40 MA's), (28, 11216), (36, 11321), (45, 11375), (48, 11393), (53, 11411), (58, 11435), (59, 11441), (65, 11468), (67, 11474), (69, 11486), (80, 11519), (93, 11615), (96, 11633), (97, 11636), (121, 11750), (123, 11765), (143, 11882), (159, 11978), (165, 12017), (170, 12038), (171, 12047), (181, 12107), (206, 12290), (207, 12296), (208, 12299), (219, 12353), (223, 12383), (232, 12443), (235, 12455), (236, 12461), (240, 12476), (245, 12497), (248, 12515), (282, 12653), (284, 12665), (289, 12686), (297, 12725), (318, 12779), (319, 12785), (332, 12887), (337, 12947), (344, 13010), (358, 13091), (361, 13106), (362, 13109), (369, 13148), (375, 13184), (377, 13199), (378, 13205), (383, 13232), (389, 13256), (404, 13331), (414, 13391), (423, 13448), (428, 13484), (434, 13535), (454, 13676), (455, 13679), (475, 13763), (479, 13790), (489, 13874), (493, 13913), (519, 14114), (534, 14189), (557, 14408), (562, 14522), (570, 14624), (571, 14633), (578, 14705), (587, 14789), (594, 14819), (601, 14840), (619, 14957), (626, 15032), (634, 15071), (635, 15083),

Gene: Urkel_21 Start: 12024, Stop: 15863, Start Num: 16
Candidate Starts for Urkel_21:
(Start: 16 @12024 has 111 MA's), (25, 12093), (31, 12180), (60, 12360), (66, 12387), (83, 12471), (84, 12480), (94, 12540), (95, 12552), (108, 12627), (120, 12678), (129, 12720), (132, 12741), (138, 12780), (149, 12858), (162, 12936), (166, 12960), (185, 13101), (199, 13194), (203, 13215), (204, 13224), (247, 13461), (252, 13485), (258, 13500), (267, 13533), (284, 13620), (301, 13707), (302, 13728), (316, 13812), (319, 13824), (323, 13845), (393, 14001), (408, 14082), (420, 14148), (423, 14169), (428, 14205), (434, 14256), (439, 14274), (444, 14313), (454, 14391), (475, 14478), (477, 14493), (482, 14535), (489, 14589), (519, 14829), (534, 14904), (549, 15015), (551, 15036), (552, 15057), (559, 15177), (570, 15351), (578, 15432), (579, 15441), (587, 15513), (594, 15543), (601, 15564), (619, 15684), (626, 15756), (629, 15774), (630, 15780),

Gene: Validus_21 Start: 11056, Stop: 15213, Start Num: 17
Candidate Starts for Validus_21:
(10, 11008), (Start: 17 @11056 has 40 MA's), (28, 11149), (29, 11161), (44, 11305), (45, 11308), (72, 11428), (86, 11515), (93, 11548), (104, 11623), (105, 11626), (121, 11692), (139, 11794), (143, 11836), (146, 11851), (147, 11860), (152, 11887), (158, 11917), (162, 11950), (170, 11992), (181, 12061), (206, 12247), (207, 12253), (216, 12289), (219, 12310), (221, 12322), (223, 12340), (232, 12400), (235, 12412), (236, 12418), (240, 12433), (244, 12451), (245, 12454), (251, 12487), (277, 12583), (284, 12622), (289, 12643), (296, 12673), (300, 12706), (313, 12790), (316, 12820), (319, 12832), (332, 12934), (339, 13012), (344, 13057), (346, 13081), (357, 13135), (358, 13138), (361, 13153), (362, 13156), (369, 13195), (373, 13222), (377, 13246), (378, 13252), (383, 13279), (393, 13327), (404, 13378), (407, 13396), (412, 13432), (414, 13438), (417, 13456), (421, 13483), (423, 13495), (430, 13549), (434, 13582), (445, 13642), (454, 13723), (455, 13726), (475, 13810), (477,

13825), (482, 13867), (493, 13960), (503, 14026), (519, 14161), (558, 14509), (571, 14701), (578, 14773), (579, 14782), (583, 14803), (585, 14845), (619, 15040), (620, 15052), (626, 15112), (630, 15136), (636, 15175),

Gene: Veliki_21 Start: 12116, Stop: 15952, Start Num: 16
Candidate Starts for Veliki_21:
(Start: 16 @12116 has 111 MA's), (25, 12185), (26, 12206), (31, 12272), (60, 12449), (66, 12476), (82, 12548), (83, 12560), (84, 12569), (95, 12641), (108, 12716), (127, 12800), (129, 12809), (132, 12830), (138, 12869), (149, 12947), (162, 13025), (175, 13115), (185, 13190), (199, 13283), (201, 13292), (203, 13304), (204, 13313), (247, 13550), (258, 13589), (267, 13622), (284, 13709), (290, 13733), (302, 13817), (316, 13901), (319, 13913), (323, 13934), (393, 14090), (408, 14171), (417, 14219), (420, 14237), (423, 14258), (428, 14294), (434, 14345), (444, 14402), (454, 14480), (457, 14489), (475, 14567), (482, 14624), (489, 14678), (519, 14918), (534, 14993), (549, 15104), (561, 15323), (563, 15335), (578, 15521), (579, 15530), (587, 15602), (594, 15632), (601, 15653), (619, 15773), (626, 15845), (629, 15863), (630, 15869),

Gene: ViviJ_18 Start: 11997, Stop: 16103, Start Num: 13
Candidate Starts for ViviJ_18:
(Start: 13 @11997 has 22 MA's), (26, 12090), (32, 12168), (34, 12192), (42, 12252), (62, 12336), (64, 12348), (84, 12450), (94, 12510), (95, 12522), (100, 12543), (108, 12597), (119, 12645), (129, 12690), (132, 12711), (149, 12828), (162, 12906), (166, 12930), (175, 12996), (185, 13071), (199, 13164), (204, 13194), (235, 13368), (237, 13377), (243, 13407), (247, 13431), (251, 13452), (269, 13512), (284, 13590), (286, 13599), (301, 13677), (310, 13743), (317, 13785), (319, 13794), (326, 13878), (333, 13899), (335, 13932), (342, 13998), (344, 14019), (351, 14073), (354, 14082), (358, 14100), (362, 14118), (363, 14127), (369, 14157), (375, 14193), (384, 14247), (392, 14283), (393, 14289), (395, 14307), (416, 14412), (425, 14478), (456, 14673), (464, 14703), (474, 14736), (481, 14787), (483, 14808), (485, 14823), (486, 14829), (496, 14913), (502, 14961), (508, 15000), (513, 15060), (518, 15093), (522, 15114), (525, 15138), (533, 15168), (546, 15234), (551, 15306), (570, 15621), (571, 15630), (572, 15633), (574, 15675), (578, 15702), (583, 15732), (587, 15783), (592, 15801), (605, 15867), (616, 15915), (619, 15939), (620, 15951), (631, 16032), (635, 16056), (640, 16095),

Gene: Waterfoul_19 Start: 12158, Stop: 16267, Start Num: 13
Candidate Starts for Waterfoul_19:
(Start: 13 @12158 has 22 MA's), (42, 12416), (62, 12500), (79, 12566), (84, 12614), (94, 12674), (95, 12686), (100, 12707), (108, 12761), (115, 12791), (129, 12854), (132, 12875), (140, 12932), (149, 12992), (162, 13070), (166, 13094), (172, 13136), (177, 13169), (199, 13328), (203, 13349), (222, 13427), (231, 13490), (234, 13505), (235, 13508), (237, 13517), (238, 13523), (241, 13535), (250, 13589), (277, 13691), (284, 13730), (310, 13883), (317, 13925), (322, 13949), (333, 14039), (335, 14072), (351, 14213), (354, 14222), (358, 14240), (363, 14267), (376, 14345), (393, 14429), (416, 14552), (425, 14618), (440, 14720), (456, 14813), (460, 14822), (464, 14843), (474, 14876), (481, 14927), (483, 14948), (485, 14963), (486, 14969), (496, 15053), (499, 15083), (502, 15101), (508, 15140), (513, 15200), (518, 15233), (522, 15254), (525, 15278), (533, 15311), (546, 15395), (551, 15467), (570, 15776), (574, 15830), (576, 15845), (578, 15857), (583, 15887), (616, 16073), (619, 16097), (620, 16109), (631, 16196), (635, 16220),

Gene: Wendigo_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Wendigo_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496,

14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: Ximenita_21 Start: 11247, Stop: 15251, Start Num: 17
Candidate Starts for Ximenita_21:
(Start: 17 @11247 has 40 MA's), (28, 11340), (36, 11445), (45, 11499), (48, 11517), (58, 11559), (65, 11592), (67, 11598), (83, 11679), (93, 11739), (96, 11757), (97, 11760), (121, 11874), (123, 11889), (143, 12006), (148, 12033), (159, 12102), (170, 12162), (171, 12171), (172, 12183), (181, 12231), (206, 12414), (207, 12420), (208, 12423), (232, 12567), (235, 12579), (236, 12585), (240, 12600), (245, 12621), (248, 12639), (282, 12777), (284, 12789), (289, 12810), (297, 12849), (318, 12903), (319, 12909), (332, 13011), (337, 13071), (344, 13134), (357, 13212), (358, 13215), (361, 13230), (369, 13272), (373, 13299), (375, 13308), (377, 13323), (378, 13329), (383, 13356), (389, 13380), (391, 13386), (401, 13434), (404, 13455), (417, 13533), (420, 13551), (423, 13572), (428, 13608), (434, 13659), (454, 13800), (457, 13809), (475, 13887), (489, 13998), (491, 14010), (519, 14238), (534, 14313), (571, 14757), (578, 14829), (579, 14838), (587, 14913), (594, 14943), (601, 14964), (619, 15081), (626, 15156), (634, 15195), (635, 15207), (641, 15246),

Gene: YangYin_16 Start: 11787, Stop: 15824, Start Num: 17
Candidate Starts for YangYin_16:
(Start: 17 @11787 has 40 MA's), (27, 11880), (48, 12063), (50, 12072), (67, 12144), (77, 12180), (86, 12252), (88, 12258), (90, 12273), (93, 12285), (96, 12303), (103, 12348), (112, 12384), (116, 12399), (119, 12414), (121, 12420), (139, 12522), (143, 12564), (146, 12579), (152, 12615), (162, 12678), (165, 12699), (177, 12771), (181, 12789), (200, 12930), (206, 12972), (213, 13002), (214, 13005), (216, 13014), (218, 13023), (223, 13065), (234, 13134), (235, 13137), (236, 13143), (240, 13158), (245, 13179), (246, 13188), (270, 13284), (284, 13347), (290, 13371), (293, 13383), (294, 13386), (302, 13443), (307, 13476), (312, 13515), (319, 13557), (329, 13653), (333, 13662), (338, 13722), (339, 13737), (343, 13773), (356, 13857), (364, 13902), (368, 13917), (372, 13944), (389, 14028), (393, 14052), (404, 14103), (405, 14109), (425, 14241), (448, 14373), (459, 14457), (462, 14472), (478, 14538), (485, 14607), (494, 14688), (496, 14697), (510, 14790), (515, 14847), (517, 14880), (559, 15237), (572, 15426), (573, 15453), (578, 15495), (589, 15573), (627, 15732), (630, 15750), (633, 15765),

Gene: YoureAdopted_20 Start: 12049, Stop: 15885, Start Num: 16
Candidate Starts for YoureAdopted_20:
(Start: 16 @12049 has 111 MA's), (25, 12118), (26, 12139), (31, 12205), (60, 12382), (66, 12409), (82, 12481), (83, 12493), (84, 12502), (95, 12574), (108, 12649), (127, 12733), (129, 12742), (132, 12763), (138, 12802), (149, 12880), (162, 12958), (175, 13048), (185, 13123), (199, 13216), (201, 13225), (203, 13237), (204, 13246), (247, 13483), (258, 13522), (267, 13555), (284, 13642), (290, 13666), (302, 13750), (316, 13834), (319, 13846), (323, 13867), (393, 14023), (408, 14104), (417, 14152), (420, 14170), (423, 14191), (428, 14227), (434, 14278), (444, 14335), (454, 14413), (457, 14422), (475, 14500), (477, 14515), (482, 14557), (489, 14611), (519, 14851), (534, 14926), (549, 15037), (561, 15256), (563, 15268), (578, 15454), (579, 15463), (594, 15565), (601, 15586), (619, 15706), (626, 15778), (629, 15796), (630, 15802),

Gene: Yuna_21 Start: 11197, Stop: 15186, Start Num: 17
Candidate Starts for Yuna_21:
(Start: 17 @11197 has 40 MA's), (28, 11290), (46, 11458), (52, 11479), (59, 11515), (67, 11548), (68, 11551), (69, 11560), (77, 11584), (90, 11677), (93, 11689), (97, 11710), (137, 11926), (143, 11965), (146, 11980), (152, 12016), (161, 12076), (162, 12079), (170, 12121), (181, 12190), (206, 12376), (207, 12382), (208, 12385), (209, 12391), (216, 12418), (218, 12427), (219, 12439), (223, 12469), (232, 12529), (235, 12541), (236, 12547), (240, 12562), (244, 12580), (245, 12583), (248, 12601), (268, 12676), (282, 12739), (284, 12751), (289, 12772), (297, 12811), (315, 12856), (319, 12871),

(337, 13033), (344, 13096), (347, 13123), (362, 13195), (369, 13234), (377, 13285), (379, 13294), (380, 13306), (387, 13336), (389, 13342), (393, 13366), (414, 13477), (417, 13495), (423, 13534), (434, 13621), (438, 13633), (454, 13762), (455, 13765), (475, 13849), (491, 13972), (519, 14200), (531, 14260), (534, 14275), (560, 14590), (571, 14722), (573, 14752), (577, 14791), (578, 14794), (581, 14812), (587, 14866), (594, 14896), (601, 14917), (619, 15028), (630, 15121),

Gene: Yunkel11_21 Start: 11016, Stop: 15143, Start Num: 17
Candidate Starts for Yunkel11_21:
(10, 10968), (Start: 17 @11016 has 40 MA's), (28, 11109), (41, 11241), (44, 11265), (50, 11295), (55, 11316), (58, 11328), (72, 11388), (86, 11475), (93, 11508), (96, 11526), (97, 11529), (110, 11601), (139, 11745), (143, 11787), (146, 11802), (152, 11838), (163, 11910), (181, 12012), (206, 12195), (212, 12222), (217, 12240), (218, 12246), (223, 12288), (235, 12360), (236, 12366), (240, 12381), (245, 12402), (248, 12420), (251, 12435), (265, 12483), (274, 12516), (277, 12531), (284, 12570), (289, 12591), (296, 12621), (321, 12789), (324, 12840), (344, 13005), (346, 13029), (358, 13086), (367, 13137), (373, 13170), (375, 13179), (389, 13251), (404, 13326), (407, 13344), (414, 13386), (417, 13404), (421, 13431), (423, 13443), (441, 13572), (445, 13590), (454, 13671), (455, 13674), (475, 13758), (481, 13812), (482, 13815), (493, 13908), (503, 13974), (519, 14109), (541, 14235), (570, 14631), (571, 14640), (578, 14712), (587, 14796), (619, 14964), (626, 15036), (630, 15060), (636, 15099),

Gene: Zabiza_21 Start: 12077, Stop: 15916, Start Num: 16
Candidate Starts for Zabiza_21:
(Start: 16 @12077 has 111 MA's), (25, 12146), (31, 12233), (60, 12410), (66, 12437), (82, 12509), (83, 12521), (84, 12530), (95, 12602), (108, 12677), (127, 12761), (129, 12770), (132, 12791), (138, 12830), (149, 12908), (162, 12986), (175, 13076), (185, 13151), (199, 13244), (201, 13253), (203, 13265), (204, 13274), (252, 13535), (258, 13550), (267, 13583), (284, 13670), (290, 13694), (302, 13778), (316, 13862), (319, 13874), (323, 13895), (393, 14051), (408, 14132), (417, 14180), (420, 14198), (423, 14219), (428, 14255), (434, 14306), (444, 14363), (454, 14441), (457, 14450), (475, 14528), (482, 14585), (489, 14639), (519, 14879), (534, 14954), (549, 15065), (561, 15284), (563, 15296), (578, 15485), (579, 15494), (587, 15566), (594, 15596), (601, 15617), (619, 15737), (626, 15809), (629, 15827), (630, 15833),

Gene: Zavala_21 Start: 12057, Stop: 15890, Start Num: 16
Candidate Starts for Zavala_21:
(Start: 16 @12057 has 111 MA's), (25, 12126), (31, 12213), (60, 12390), (66, 12417), (82, 12489), (83, 12501), (84, 12510), (95, 12582), (108, 12657), (127, 12741), (129, 12750), (132, 12771), (138, 12810), (149, 12888), (162, 12966), (175, 13056), (185, 13131), (199, 13224), (201, 13233), (203, 13245), (204, 13254), (247, 13491), (258, 13530), (267, 13563), (284, 13650), (290, 13674), (302, 13758), (316, 13842), (319, 13854), (323, 13875), (393, 14031), (417, 14160), (420, 14178), (423, 14199), (428, 14235), (434, 14286), (444, 14343), (454, 14421), (457, 14430), (475, 14508), (477, 14523), (482, 14565), (489, 14619), (519, 14859), (534, 14934), (549, 15045), (561, 15264), (563, 15276), (578, 15459), (579, 15468), (587, 15540), (594, 15570), (601, 15591), (619, 15711), (626, 15783), (629, 15801), (630, 15807),

Gene: ZoMa_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for ZoMa_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573,

15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),

Gene: ZoeJ_17 Start: 10077, Stop: 13724, Start Num: 14
Candidate Starts for ZoeJ_17:
(Start: 14 @10077 has 10 MA's), (25, 10149), (70, 10383), (75, 10398), (94, 10515), (95, 10527), (108, 10602), (129, 10695), (149, 10833), (150, 10836), (156, 10875), (162, 10911), (166, 10935), (169, 10944), (170, 10956), (173, 10980), (175, 11001), (180, 11025), (181, 11031), (184, 11067), (185, 11076), (191, 11109), (193, 11121), (195, 11148), (231, 11331), (233, 11343), (235, 11349), (243, 11388), (247, 11412), (283, 11460), (292, 11472), (303, 11505), (334, 11736), (345, 11781), (359, 11811), (373, 11880), (381, 11907), (390, 11940), (415, 12027), (420, 12060), (423, 12081), (426, 12105), (431, 12135), (482, 12378), (493, 12471), (505, 12549), (519, 12672), (539, 12777), (566, 13188), (570, 13218), (571, 13227), (573, 13257), (619, 13554), (620, 13566), (630, 13647),

Gene: Zombie_16 Start: 11464, Stop: 15477, Start Num: 15
Candidate Starts for Zombie_16:
(Start: 15 @11464 has 65 MA's), (35, 11665), (56, 11779), (66, 11821), (74, 11851), (95, 11986), (98, 11998), (100, 12007), (135, 12196), (138, 12214), (139, 12217), (141, 12238), (142, 12250), (154, 12322), (162, 12370), (182, 12502), (184, 12526), (195, 12607), (220, 12730), (231, 12814), (239, 12850), (247, 12895), (248, 12901), (275, 13009), (280, 13033), (284, 13054), (322, 13273), (338, 13423), (347, 13510), (368, 13618), (393, 13753), (414, 13864), (417, 13882), (422, 13912), (452, 14134), (459, 14158), (462, 14173), (467, 14194), (475, 14221), (479, 14248), (485, 14308), (496, 14398), (500, 14431), (510, 14494), (515, 14551), (518, 14584), (520, 14593), (572, 15097), (573, 15124), (576, 15154), (578, 15166), (579, 15175), (596, 15244), (617, 15325), (627, 15385), (630, 15403), (632, 15412),