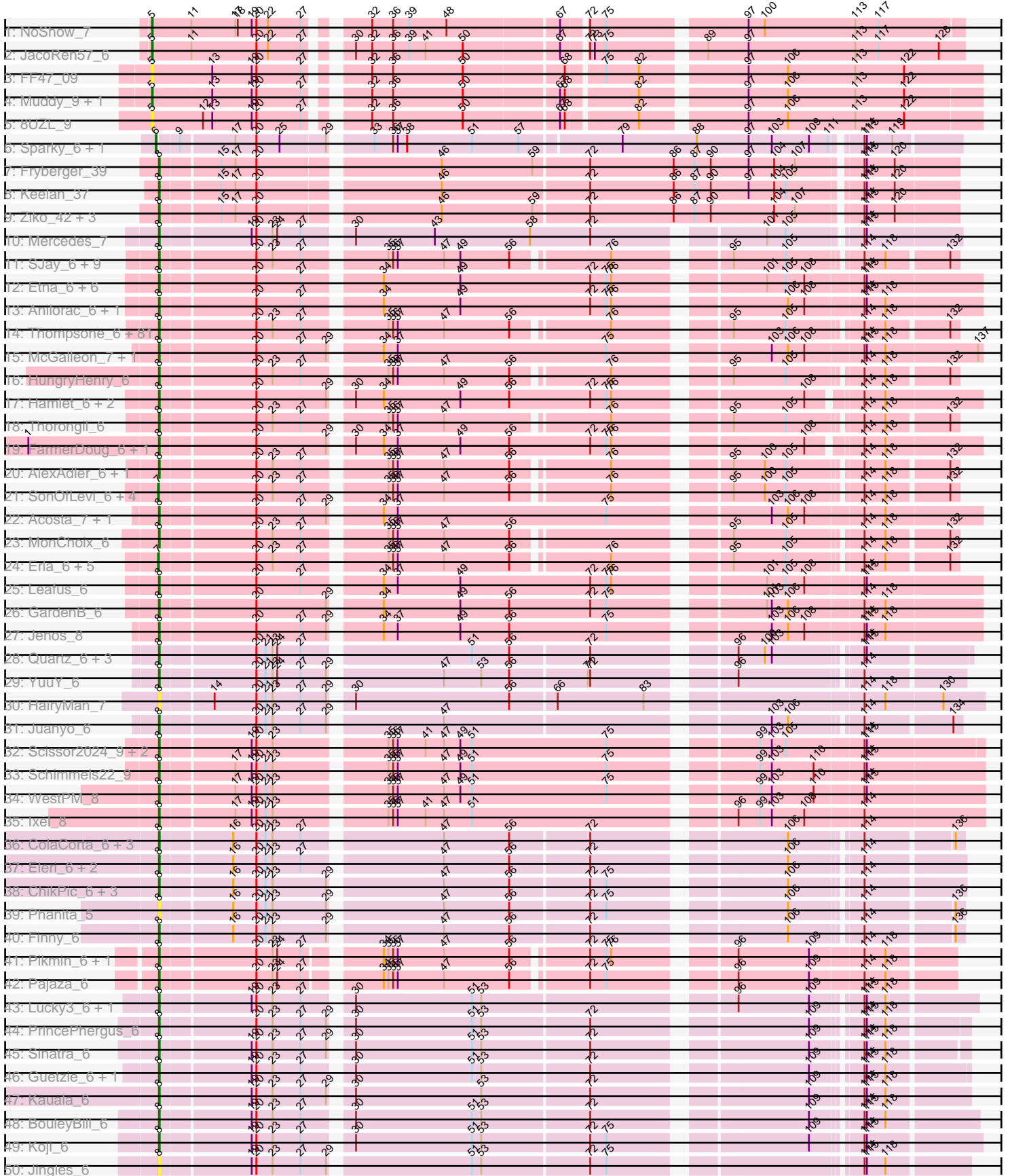
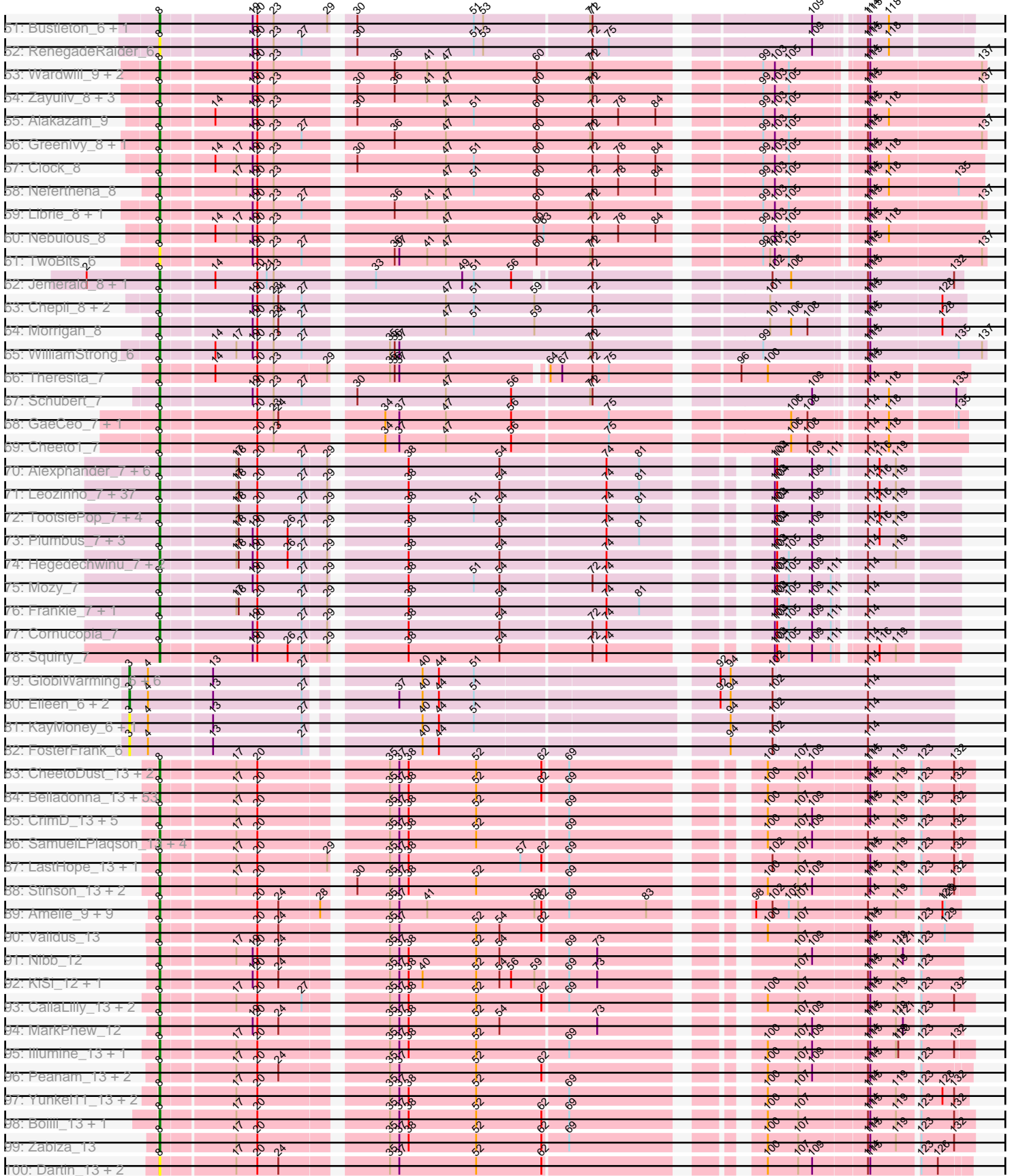


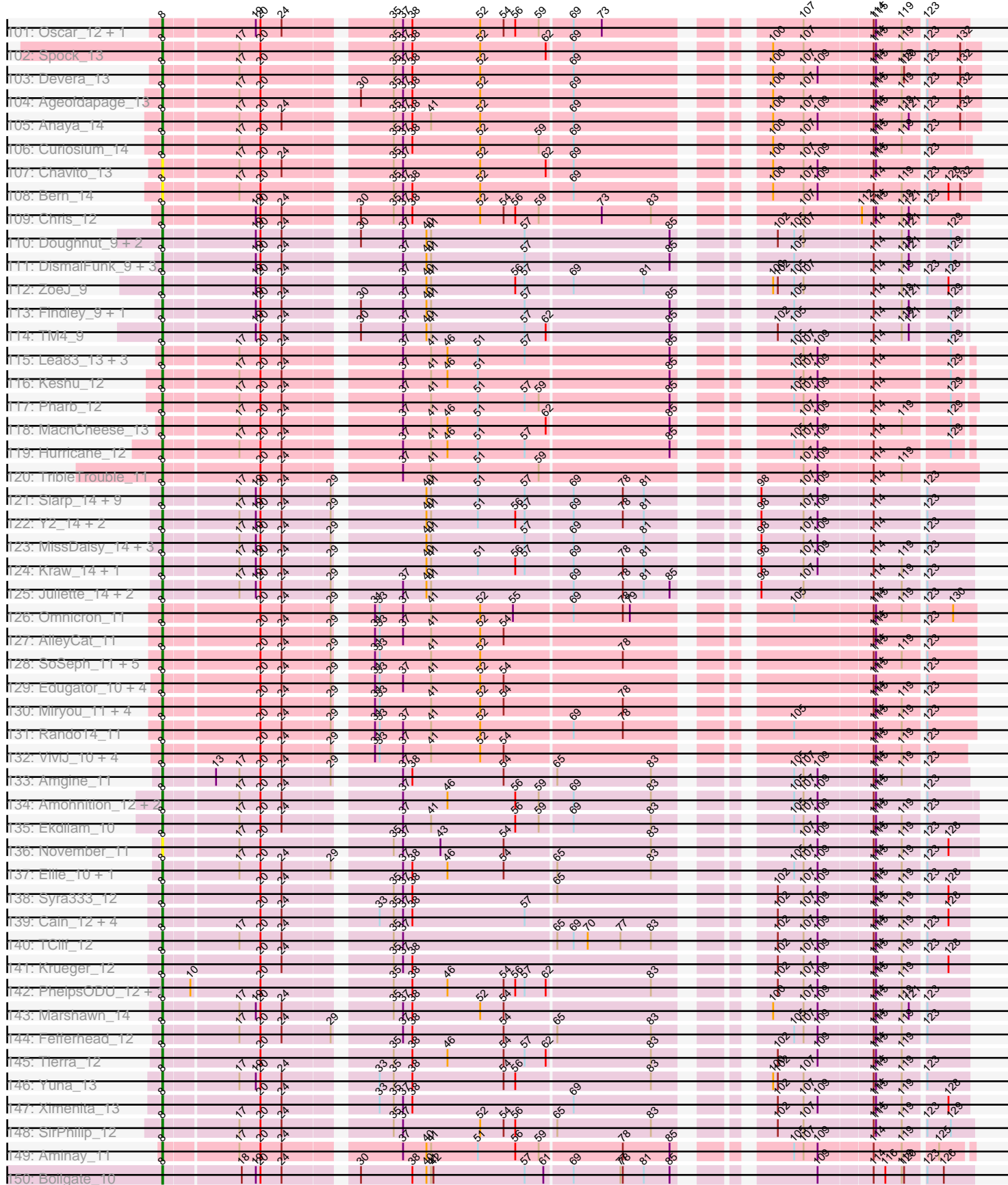
Pham 215683



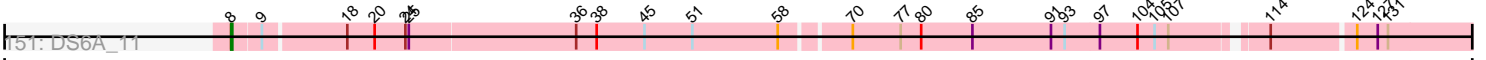
Pham 215683



Pham 215683



Pham 215683



Gene ID	Coordinate
8	8
9	9
18	18
20	20
25	25
36	36
38	38
45	45
51	51
58	58
70	70
71	71
80	80
85	85
93	93
91	91
104	104
100	100
101	101
114	114
124	124
121	121
125	125

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 215683 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215683 has 497 members, 56 are drafts.

Phages represented in each track:

- Track 1 : NoShow_7
- Track 2 : JacoRen57_6
- Track 3 : FF47_09
- Track 4 : Muddy_9, Maco6_7
- Track 5 : 8UZL_9
- Track 6 : Sparky_6, Farewell_6
- Track 7 : Fryberger_39
- Track 8 : Keelan_37
- Track 9 : Ziko_42, Volt_41, Ronaldo_42, Guey18_44
- Track 10 : Mercedes_7
- Track 11 : SJay_6, Peep_6, Teagan_6, Nagem_6, Renzie_6, Dave_6, Ludgate_6, Bandik_6, Superfresh_6, Antoinette_6
- Track 12 : Etna_6, Stormbreaker8_6, BeeBee8_7, Peppino_6, Redfield_6, KingJulien_6, Schnapsidee_6
- Track 13 : Anilorac_6, Agente005_7
- Track 14 : Thompsone_6, Rapheph_6, Chako_6, KannH_6, Asta_6, Stanktossa_6, Figueroism_6, Byron23_6, Alyxandracam_6, Tenda_6, Vispistious_6, Gershwin_6, BonesMcCoy_6, ShaiHulud_6, Den3_6, TeddyBear_6, Phiderman_6, Benjalauren_6, Duocatuli_6, Lovelyunicorn_6, Delphidian_6, AxiPup_6, HanSolo_6, HankSprout_6, Kale_6, Phireproof_6, WildNOut_6, Baines_6, Papafritta_6, Aubergine_6, Ilzat_6, ParleG_6, Janus167_6, Pherferi_6, Espinosa_6, Gubbabump_6, MrWorldwide_6, Dothraki_6, Knox_6, BigRedClifford_6, Riyhil_6, SoilGremlin_6, NickSell_6, Greys_6, Jerbirus_6, Convict_6, Oxtober96_6, Blage_6, JasperRussell_6, StirfryIV_6, OldNelly_6, Kurt1_6, Phriends_6, Winzigespinne_6, Martin_7, PuppyEggo_6, Velene_6, Sedgewig_6, Rog141_6, Ioannes_6, BeautPeep30_6, Pocket_6, Clancy_6, TatarkaPM_6, TinSulphur_6, Raptor_6, MaeLinda_6, Symere_6, PhredFlintston_6, Oats_6, Exploradora_6, AranulaLuti_6, Shee_6, Inventa_6, MillyPhilly_6, Strathdee_6, Gargoyle_6, Robinson_6, RosieMae_6, ManRay_6, StingRay_6, Christoph_6
- Track 15 : McGalleon_7, CarisSwetlik_8
- Track 16 : HungryHenry_6
- Track 17 : Hamlet_6, Balsa_6, Raccoon_6
- Track 18 : Thorongil_6
- Track 19 : FarmerDoug_6, Endor_7
- Track 20 : AlexAdler_6, Zada_6
- Track 21 : SonOfLevi_6, Klimt_6, Etta_6, Gelo_6, Chamuel_6
- Track 22 : Acosta_7, JasonD_8

- Track 23 : MonChoix_6
- Track 24 : Erla_6, JeriBeth_6, Calix_6, Nattles_6, Garey24_6, Bonino_6
- Track 25 : Leafus_6
- Track 26 : GardenB_6
- Track 27 : Jenos_8
- Track 28 : Quartz_6, Mandalorian_6, Nucci_6, Carostasia_6
- Track 29 : YuuY_6
- Track 30 : HairyMan_7
- Track 31 : Juanyo_6
- Track 32 : Scissor2024_9, Tinyman4_9, HerculesXL_9
- Track 33 : Schimmels22_9
- Track 34 : WestPM_8
- Track 35 : Ixel_8
- Track 36 : ColaCorta_6, Glamour_5, Saratos_6, Andromedas_6
- Track 37 : Eleri_6, PSirce_5, Shamu_6
- Track 38 : ChikPic_6, MCubed_6, Zenitsu_6, Sansa_5
- Track 39 : Phanita_5
- Track 40 : Finny_6
- Track 41 : Pikmin_6, Casey_6
- Track 42 : Pajaza_6
- Track 43 : Lucky3_6, Golden_6
- Track 44 : PrincePhergus_6
- Track 45 : Sinatra_6
- Track 46 : Guetzie_6, SirVictor_6
- Track 47 : Kauala_6
- Track 48 : BouleyBill_6
- Track 49 : Koji_6
- Track 50 : Jingles_6
- Track 51 : Bustleton_6, Pherbot_6
- Track 52 : RenegadeRaider_6
- Track 53 : Wardwill_9, Hasitha_8, LilTerminator_8
- Track 54 : Zayuliv_8, QuadZero_8, Zepp_9, Fulton_8
- Track 55 : Alakazam_9
- Track 56 : Greenlvy_8, BaronJohn_8
- Track 57 : Clock_8
- Track 58 : Neferthena_8
- Track 59 : Librie_8, CaptainRex_8
- Track 60 : Nebulous_8
- Track 61 : TwoBits_6
- Track 62 : Jemerald_8, Juicer_8
- Track 63 : Chepli_8, KatChan_8, Luna18_8
- Track 64 : Morigan_8
- Track 65 : WilliamStrong_6
- Track 66 : Theresita_7
- Track 67 : Schubert_7
- Track 68 : GaeCeo_7, ChickenKing_6
- Track 69 : Cheeto1_7
- Track 70 : Alexphander_7, Brookers_7, Kingsley_7, Cerasum_7, Sarma624_7, BigPhil_7, Velveteen_7
- Track 71 : Leozinho_7, Spikelee_7, Bobi_7, Stap_7, Job42_7, Tchotchke_7, UncleRicky_7, SimranZ1_7, Pollywog_7, OwlsT2W_7, BuzzLyseyear_7, Piper2020_7, Girafales_7, Marker_7, DosHalletts_7, Drago_7, Lorde_7, Slim_8, Boomer_7, Emmaloid_8, Starcevich_7, Beakin_7, Oksu_7, DaWorst_7,

Awesomesauce_7, Totinger_7, Coco12_7, RockyHorror_7, Enby_7, Rialto_7, JalFarm20_7, DirtMcgirt_7, Ramsey_7, LittleShirley_7, Madiba_7, Mova_7, Quico_7, Tootsieroll_7

- Track 72 : TootsiePop_7, Aloeri_7, DocMcStuffins_7, Misha28_7, ChickenDinner_7
- Track 73 : Plumbus_7, MulchExplorer_8, Kimberlium_7, Juice456_7
- Track 74 : Hegedechwinu_7, Brushbloom_8, Flathead_7
- Track 75 : Mozy_7
- Track 76 : Frankie_7, Seagreen_7
- Track 77 : Cornucopia_7
- Track 78 : Squirty_7
- Track 79 : GlobiWarming_6, Constance_6, ChuckDuck_6, Karkharias_6, Judy_6, PeggyLeg03_6, Bridgette_6
- Track 80 : Eileen_6, Peas_6, HotPotato_6
- Track 81 : KayMoney_6, Pucara_6
- Track 82 : FosterFrank_6
- Track 83 : CheetoDust_13, BaghaKamala_13, Joy99_13
- Track 84 : Belladonna_13, Angelica_13, Mynx_13, Ganymede_13, Rosmarinus_13, Peel_13, CREW_13, Inky_13, MeaningOfLife_13, Zavala_13, Jarvi_13, AlishaPH_13, Clipper_14, Capricorn_13, Lunahalos_13, Adephagia_13, Tachez_13, Deby_13, Durfee_13, Ramen_13, Rapunzel97_13, BGlluviae_13, Piatt_13, Hyperbowlee_13, Twitch_13, Slimphazie_13, Pokerus_12, YoureAdopted_12, QuincyRose_12, Emerson_13, Llorens_13, Jayhawk_13, CaseJules_13, Tiri_13, Asayake_13, MacKat_13, Padfoot_13, Topper_13, ActinUp_13, Padpat_13, JAWS_13, Blizzard_13, Adonis_13, BEEST_13, HedwigODU_13, Homura_13, ShiaSurprise_13, Sulley_13, Atiba_13, TruffulaTree_13, Dalmuri_13, Jeckyll_13, Apocalypse_13, Veliki_13
- Track 85 : CrimD_13, TreyKay_13, Prithvi_13, Megsy_13, LindNT_13, TaiwanKao_13
- Track 86 : SamuelLPlaqson_13, Bella96_13, Urkel_13, TiniBug_13, DrHayes_13
- Track 87 : LastHope_13, TingHuaYa_13
- Track 88 : Stinson_13, Murucutumbu_13, LaterM_13
- Track 89 : Amelie_9, Enkosi_9, SgtBeansprout_9, Teejan_9, Nutello_9, Nikao_9, Torres_9, Mdavu_9, LilPharaoh_9, Binglebops_9
- Track 90 : Validus_13
- Track 91 : Nibb_12
- Track 92 : KiSi_12, LeMond_12
- Track 93 : CallaLilly_13, Geraldini_13, Beezoo_13
- Track 94 : MarkPhew_12
- Track 95 : Illumine_13, Dole_13
- Track 96 : Peanam_13, Shaobing_13, Niklas_13
- Track 97 : Yunkel11_13, Efra2_13, Guanica15_13
- Track 98 : Boiiii_13, BarrelRoll_13
- Track 99 : Zabiza_13
- Track 100 : Dartin_13, McMater_13, Richo_13
- Track 101 : Oscar_12, Scarlett_12
- Track 102 : Spock_13
- Track 103 : Devera_13
- Track 104 : Ageofdapage_13
- Track 105 : Anaya_14
- Track 106 : Curiosium_14
- Track 107 : Chavito_13
- Track 108 : Bern_14
- Track 109 : Chris_12

- Track 110 : Doughnut_9, BoostSeason_9, Mufasa_9
- Track 111 : DismalFunk_9, Strobilo_9, Marcoliusprime_9, DismalStressor_9
- Track 112 : ZoeJ_9
- Track 113 : Findley_9, Milly_9
- Track 114 : TM4_9
- Track 115 : Lea83_13, Pixie_12, ShedlockHolmes_12, TBond007_12
- Track 116 : Keshu_12
- Track 117 : Pharb_12
- Track 118 : MacnCheese_13
- Track 119 : Hurricane_12
- Track 120 : TripleTrouble_11
- Track 121 : Slarp_14, OmniCritical_14, Lebo14_14, Fionnbharth_14, Wintermute_14, Mitti_14, Cheetobro_14, Chancellor_14, SamScheppers_12, Taquito_12
- Track 122 : Y2_14, Y10_14, JF1_14
- Track 123 : MissDaisy_14, Reptar3000_14, Patt_14, Bobquesha_14
- Track 124 : Kraw_14, Malthus_14
- Track 125 : Juliette_14, Eponine_14, Ruthiejr_13
- Track 126 : Omnicron_11
- Track 127 : AlleyCat_11
- Track 128 : SoSeph_11, Heftyboy_11, Guillsminger_11, Leston_11, Paola_11, Gengar_11
- Track 129 : Edugator_10, Neighly_11, Psycho_11, Dadosky_11, Larva_11
- Track 130 : Miryou_11, Thyatira_11, Feyre_11, OkiRoe_11, Waterfoul_11
- Track 131 : Rando14_11
- Track 132 : ViviJ_10, Collard_11, Agent47_11, Kratio_10, InvictusManeo_11
- Track 133 : Amgine_11
- Track 134 : Amohnition_12, Hammy_12, DARTH_P_12
- Track 135 : Ekdilam_10
- Track 136 : November_11
- Track 137 : Ellie_10, Applecrisp_11
- Track 138 : Syra333_12
- Track 139 : Cain_12, Shadow1_11, Sunflower1121_11, Phrank_12, Bryler_12
- Track 140 : TClif_12
- Track 141 : Krueger_12
- Track 142 : PhelpsODU_12, Unicorn_12
- Track 143 : Marshawn_14
- Track 144 : Fefferhead_12
- Track 145 : Tierra_12
- Track 146 : Yuna_13
- Track 147 : Ximenita_13
- Track 148 : SirPhilip_12
- Track 149 : Aminay_11
- Track 150 : Boilgate_10
- Track 151 : DS6A_11

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

The start number called the most often in the published annotations is 8, it was called in 416 of the 441 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Acosta_7, ActinUp_13, Adephegia_13, Adonis_13, Agent47_11, Agente005_7, Ageofdapage_13, Alakazam_9, AlexAdler_6, Alexphander_7, AlishaPH_13, AlleyCat_11, Aloeri_7, Alyxandracam_6, Amelie_9, Amgine_11, Aminay_11, Amohntion_12, Anaya_14, Andromedas_6, Angelica_13, Anilorac_6, Antoinette_6, Apocalypse_13, Applecrisp_11, AranulaLuti_6, Asayake_13, Asta_6, Atiba_13, Aubergine_6, Awesomesauce_7, AxiPup_6, BEEST_13, BGlluviae_13, BaghaKamala_13, Baines_6, Balsa_6, Bandik_6, BaronJohn_8, BarrelRoll_13, Beakin_7, BeautPeep30_6, BeeBee8_7, Beezoo_13, Bella96_13, Belladonna_13, Benjalauen_6, Bern_14, BigPhil_7, BigRedClifford_6, Biglebops_9, Blage_6, Blizzard_13, Bobi_7, Bobquesha_14, Boiiii_13, Boilgate_10, BonesMcCoy_6, Boomer_7, BoostSeason_9, BouleyBill_6, Brookers_7, Brushbloom_8, Bryler_12, Bustleton_6, BuzzLyseyear_7, Byron23_6, CREW_13, Cain_12, CallaLilly_13, Capricorn_13, CaptainRex_8, CarisSwetlik_8, Carostasia_6, CaseJules_13, Casey_6, Cerasum_7, Chako_6, Chancellor_14, Chavito_13, Cheeto1_7, CheetoDust_13, Cheetobro_14, Chepli_8, ChickenDinner_7, ChickenKing_6, ChikPic_6, Chris_12, Christoph_6, Clancy_6, Clipper_14, Clock_8, Coco12_7, ColaCorta_6, Collard_11, Convict_6, Cornucopia_7, CrimD_13, Curiosium_14, DS6A_11, DaWorst_7, Dadosky_11, Dalmuri_13, DarthP_12, Dartin_13, Dave_6, Deby_13, Delphidian_6, Den3_6, Devera_13, DirtMcgirt_7, DismalFunk_9, DismalStressor_9, DocMcStuffins_7, Dole_13, DosHalletts_7, Dothraki_6, Doughnut_9, DrHayes_13, Drago_7, Duocatuli_6, Durfee_13, Edugator_10, Efra2_13, Ekdilam_10, Eleri_6, Ellie_10, Emerson_13, Emmaloid_8, Enby_7, Endor_7, Enkosi_9, Eponine_14, Espinosa_6, Etna_6, Exploradora_6, FarmerDoug_6, Fefferhead_12, Feyre_11, Figueroism_6, Findley_9, Finny_6, Fionnbharth_14, Flathead_7, Frankie_7, Fryberger_39, Fulton_8, GaeGeo_7, Ganymede_13, GardenB_6, Gargoyles_6, Gengar_11, Geraldini_13, Gershwin_6, Girafales_7, Glamour_5, Golden_6, GreenIvy_8, Greys_6, Guanica15_13, Gubbabump_6, Guetzie_6, Guey18_44, Guillsminger_11, HairyMan_7, Hamlet_6, Hammy_12, HanSolo_6, HankSprout_6, Hasitha_8, HedwigODU_13, Heftyboy_11, Hegedechwinu_7, HerculesXL_9, Homura_13, HungryHenry_6, Hurricane_12, Hyperbowlee_13, Illumine_13, Ilzat_6, Inky_13, Inventa_6, InvictusManeo_11, Ioannes_6, Ixel_8, JAWS_13, JF1_14, JalFarm20_7, Janus167_6, Jarvi_13, JasonD_8, JasperRussell_6, Jayhawk_13, Jeckyll_13, Jemerald_8, Jenos_8, Jerbirus_6, Jingles_6, Job42_7, Joy99_13, Juanyo_6, Juice456_7, Juicer_8, Juliette_14, Kale_6, KannH_6, KatChan_8, Kauala_6, Keelan_37, Keshu_12, KiSi_12, Kimberlium_7, KingJulien_6, Kingsley_7, Knox_6, Koji_6, Kratio_10, Kraw_14, Krueger_12, Kurt1_6, Larva_11, LastHope_13, LaterM_13, LeMond_12, Lea83_13, Leafus_6, Lebo14_14, Leozinho_7, Leston_11, Librie_8, LilPharaoh_9, LilTerminator_8, LindNT_13, LittleShirley_7, Llorens_13, Lorde_7, Lovelyunicorn_6, Lucky3_6, Ludgate_6, Luna18_8, Lunahalos_13, MCubed_6, MacKat_13, MacnCheese_13, Madiba_7, MaeLinda_6, Malthus_14, ManRay_6, Mandalorian_6, Marcoliusprime_9, MarkPhew_12, Marker_7, Marshawn_14, Martin_7, McGalleon_7, McMater_13, Mdavu_9, MeaningOfLife_13, Megsy_13, Mercedes_7, MillyPhilly_6, Milly_9, Miryou_11, Misha28_7, MissDaisy_14, Mitti_14, MonChoix_6, Morigan_8, Mova_7, Mozy_7, MrWorldwide_6, Mufasa_9, MulchExplorer_8, Murucutumbu_13, Mynx_13, Nagem_6, Nebulous_8, Neferthena_8, Neighly_11, Nibb_12, NickSell_6, Nikao_9, Niklas_13, November_11, Nucci_6, Nutello_9, Oats_6, OkRoe_11, Oksu_7, OldNelly_6, OmniCritical_14, Omnicron_11, Oscar_12, OwlsT2W_7, Oxtober96_6, PSirce_5, Padfoot_13, Padpat_13, Pajaza_6, Paola_11, Papafritta_6, ParleG_6, Patt_14, Peanam_13, Peel_13, Peep_6, Peppino_6, Phanita_5, Pharb_12, PhelpsODU_12, Pherbot_6, Pherferi_6, Phiderman_6, Phireproof_6, Phrank_12,

PhredFlintston_6, Phriends_6, Piatt_13, Pikmin_6, Piper2020_7, Pixie_12, Plumbus_7, Pocket_6, Pokerus_12, Pollywog_7, PrincePhergus_6, Prithvi_13, Psycho_11, PuppyEggo_6, QuadZero_8, Quartz_6, Quico_7, QuincyRose_12, Raccoon_6, Ramen_13, Ramsey_7, Rando14_11, Rapheph_6, Raptor_6, Rapunzel97_13, Redfield_6, RenegadeRaider_6, Renzie_6, Reptar3000_14, Rialto_7, Richo_13, Riyhil_6, Robinson_6, RockyHorror_7, Rog141_6, Ronaldo_42, RosieMae_6, Rosmarinus_13, Ruthiejr_13, SJay_6, SamScheppers_12, SamuelLPlaqson_13, Sansa_5, Saratos_6, Sarma624_7, Scarlett_12, Schimmels22_9, Schnapsidee_6, Schubert_7, Scissor2024_9, Seagreen_7, Sedgewig_6, SgtBeansprout_9, Shadow1_11, ShaiHulud_6, Shamu_6, Shaobing_13, ShedlockHolmes_12, Shee_6, ShiaSurprise_13, SimranZ1_7, Sinatra_6, SirPhilip_12, SirVictor_6, Slarp_14, Slim_8, Slimphazie_13, SoSeph_11, SoilGremlin_6, Spikelee_7, Spock_13, Squirty_7, Stanktossa_6, Stap_7, Starcevich_7, StingRay_6, Stinson_13, StirfryIV_6, Stormbreaker8_6, Strathdee_6, Strobilo_9, Sulley_13, Sunflower1121_11, Superfresh_6, Symere_6, Syra333_12, TBond007_12, TClif_12, TM4_9, Tachez_13, TaiwanKao_13, Taquito_12, TatarkaPM_6, Tchotchke_7, Teagan_6, TeddyBear_6, Teejan_9, Tenda_6, Theresita_7, Thompsone_6, Thorongil_6, Thyatira_11, Tierra_12, TinSulphur_6, TingHuaYa_13, TiniBug_13, Tinyman4_9, Tiri_13, TootsiePop_7, Tootsieroll_7, Topper_13, Torres_9, Totinger_7, TreyKay_13, TripleTrouble_11, TruffulaTree_13, Twitch_13, TwoBits_6, UncleRicky_7, Unicorn_12, Urkel_13, Validus_13, Velene_6, Veliki_13, Velveteen_7, Vispistious_6, ViviJ_10, Volt_41, Wardwill_9, Waterfoul_11, WestPM_8, WildNOut_6, WilliamStrong_6, Wintermute_14, Winzigespinne_6, Ximenita_13, Y10_14, Y2_14, YoureAdopted_12, Yuna_13, Yunkel11_13, YuuY_6, Zabiza_13, Zada_6, Zavala_13, Zayuliv_8, Zenitsu_6, Zepp_9, Ziko_42, ZoeJ_9,

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

-

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

- 8UZL_9, Bonino_6, Bridgette_6, Calix_6, Chamuel_6, ChuckDuck_6, Constance_6, Eileen_6, Erla_6, Etta_6, FF47_09, Farewell_6, FosterFrank_6, Garey24_6, Gelo_6, GlobiWarming_6, HotPotato_6, JacoRen57_6, JeriBeth_6, Judy_6, Karkharias_6, KayMoney_6, Klimt_6, Maco6_7, Muddy_9, Nattles_6, NoShow_7, Peas_6, PeggyLeg03_6, Pucara_6, SonOfLevi_6, Sparky_6,

Summary by start number:

Start 3:

- Found in 13 of 497 (2.6%) of genes in pham
- Manual Annotations of this start: 9 of 441
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette_6 (FA), ChuckDuck_6 (FA), Constance_6 (FA), Eileen_6 (FA), FosterFrank_6 (FA), GlobiWarming_6 (FA), HotPotato_6 (FA), Judy_6 (FA), Karkharias_6 (FA), KayMoney_6 (FA), Peas_6 (FA), PeggyLeg03_6 (FA), Pucara_6 (FA),

Start 5:

- Found in 6 of 497 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 441
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_9 (AB), FF47_09 (AB), JacoRen57_6 (AB), Maco6_7 (AB), Muddy_9 (AB), NoShow_7 (AB),

Start 6:

- Found in 2 of 497 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 441
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_6 (AF), Sparky_6 (AF),

Start 7:

- Found in 11 of 497 (2.2%) of genes in pham
- Manual Annotations of this start: 10 of 441
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bonino_6 (EA1), Calix_6 (EA1), Chamuel_6 (EA1), Erla_6 (EA1), Etta_6 (EA1), Garey24_6 (EA1), Gelo_6 (EA1), JeriBeth_6 (EA1), Klimt_6 (EA1), Nattles_6 (EA1), SonOfLevi_6 (EA1),

Start 8:

- Found in 465 of 497 (93.6%) of genes in pham
- Manual Annotations of this start: 416 of 441
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acosta_7 (EA1), ActinUp_13 (K1), Adephegia_13 (K1), Adonis_13 (K1), Agent47_11 (K5), Agente005_7 (EA1), Ageofdapage_13 (K1), Alakazam_9 (EA5), AlexAdler_6 (EA1), Alexphander_7 (F1), AlishaPH_13 (K1), AlleyCat_11 (K5), Aloeri_7 (F1), Alyxandracam_6 (EA1), Amelie_9 (K1), Amgine_11 (K6), Aminay_11 (K7), Amohnition_12 (K6), Anaya_14 (K1), Andromedas_6 (EA2), Angelica_13 (K1), Anilorac_6 (EA1), Antoinette_6 (EA1), Apocalypse_13 (K1), Applecrisp_11 (K6), AranulaLuti_6 (EA1), Asayake_13 (K1), Asta_6 (EA1), Atiba_13 (K1), Aubergine_6 (EA1), Awesomesauce_7 (F1), AxiPup_6 (EA1), BEEST_13 (K1), BGlluviae_13 (K1), BaghaKamala_13 (K1), Baines_6 (EA1), Balsa_6 (EA1), Bandik_6 (EA1), BaronJohn_8 (EA5), BarrelRoll_13 (K1), Beakin_7 (F1), BeautPeep30_6 (EA1), BeeBee8_7 (EA1), Beezoo_13 (K1), Bella96_13 (K1), Belladonna_13 (K1), Benjalauen_6 (EA1), Bern_14 (K1), BigPhil_7 (F1), BigRedClifford_6 (EA1), Binglebops_9 (K1), Blage_6 (EA1), Blizzard_13 (K1), Bobi_7 (F1), Bobquesha_14 (K4), Boiiii_13 (K1), Boilgate_10 (K8), BonesMcCoy_6 (EA1), Boomer_7 (F1), BoostSeason_9 (K2), BouleyBill_6 (EA4), Brookers_7 (F1), Brushbloom_8 (F1), Bryler_12 (K6), Bustleton_6 (EA4), BuzzLyseyear_7 (F1), Byron23_6 (EA1), CREW_13 (K1), Cain_12 (K6), CallaLilly_13 (K1), Capricorn_13 (K1), CaptainRex_8 (EA5), CarisSwetlik_8 (EA1), Carostasia_6 (EA10), CaseJules_13 (K1), Casey_6 (EA3), Cerasum_7 (F1), Chako_6 (EA1), Chancellor_14 (K4), Chavito_13 (K1), Cheeto1_7 (EA9), CheetoDust_13 (K1), Cheetobro_14 (K4), Chepli_8 (EA6), ChickenDinner_7 (F1), ChickenKing_6 (EA9), ChikPic_6 (EA2), Chris_12 (K1), Christoph_6 (EA1), Clancy_6 (EA1), Clipper_14 (K1), Clock_8 (EA5), Coco12_7 (F1), ColaCorta_6 (EA2), Collard_11 (K5), Convict_6 (EA1), Cornucopia_7 (F1), CrimD_13 (K1), Curiosium_14 (K1), DS6A_11 (singleton), DaWorst_7 (F1), Dadosky_11 (K5), Dalmuri_13 (K1), DARTH_12 (K6), Dartin_13 (K1), Dave_6 (EA1), Deby_13 (K1), Delphidian_6 (EA1), Den3_6 (EA1), Devera_13 (K1), DirtMcGirt_7 (F1), DismalFunk_9 (K2), DismalStressor_9 (K2), DocMcStuffins_7 (F1), Dole_13 (K1), DosHalletts_7 (F1), Dothraki_6 (EA1), Doughnut_9 (K2), DrHayes_13 (K1), Drago_7 (F1), Duocatuli_6 (EA1), Durfee_13 (K1), Edugator_10 (K5), Efra2_13 (K1), Ekdilam_10 (K6), Eleri_6 (EA2), Ellie_10 (K6), Emerson_13 (K1), Emmaloid_8 (F1), Enby_7 (F1), Endor_7 (EA1), Enkosi_9 (K1), Eponine_14 (K4), Espinosa_6 (EA1), Etna_6 (EA1), Exploradora_6 (UNK), FarmerDoug_6 (EA1), Fefferhead_12 (K6), Feyre_11 (K5), Figueroism_6 (EA1), Findley_9 (K2), Finny_6 (EA2), Fionnbharth_14 (K4), Flathead_7 (F1), Frankie_7 (F1), Fryberger_39 (DP), Fulton_8 (EA5),

GaeCeo_7 (EA9), Ganymede_13 (K1), GardenB_6 (EA1), Gargoyle_6 (EA1), Gengar_11 (K5), Geraldini_13 (K1), Gershwin_6 (EA1), Girafales_7 (F1), Glamour_5 (EA2), Golden_6 (EA4), Greenlvy_8 (EA5), Greys_6 (EA1), Guanica15_13 (K1), Gubbabump_6 (EA1), Guetzie_6 (EA4), Guey18_44 (DP), Guillsminger_11 (K5), HairyMan_7 (EA10), Hamlet_6 (EA1), Hammy_12 (K6), HanSolo_6 (EA1), HankSprout_6 (EA1), Hasitha_8 (EA5), HedwigODU_13 (K1), Heftyboy_11 (K5), Hegedechwinu_7 (F1), HerculesXL_9 (EA11), Homura_13 (K1), HungryHenry_6 (EA1), Hurricane_12 (K3), Hyperbowlee_13 (K1), Illumine_13 (K1), Ilzat_6 (EA1), Inky_13 (K1), Inventa_6 (EA1), InvictusManeo_11 (K5), Ioannes_6 (EA1), Ixel_8 (EA11), JAWS_13 (K1), JF1_14 (K4), JalFarm20_7 (F1), Janus167_6 (EA1), Jarvi_13 (K1), JasonD_8 (EA1), JasperRussell_6 (EA1), Jayhawk_13 (K1), Jeckyll_13 (K1), Jemerald_8 (EA6), Jenos_8 (EA1), Jerbirus_6 (EA1), Jingles_6 (EA4), Job42_7 (F1), Joy99_13 (K1), Juanyo_6 (EA10), Juice456_7 (F1), Juicer_8 (EA6), Juliette_14 (K4), Kale_6 (EA1), KannH_6 (EA1), KatChan_8 (EA6), Kauala_6 (EA4), Keelan_37 (DP), Keshu_12 (K3), KiSi_12 (K1), Kimberlium_7 (F1), KingJulien_6 (EA1), Kingsley_7 (F1), Knox_6 (EA1), Koji_6 (EA4), Kratio_10 (K5), Kraw_14 (K4), Krueger_12 (K6), Kurt1_6 (EA1), Larva_11 (K5), LastHope_13 (K1), LaterM_13 (K1), LeMond_12 (K1), Lea83_13 (K3), Leafus_6 (EA1), Lebo14_14 (K4), Leozinho_7 (F1), Leston_11 (K5), Librie_8 (EA5), LilPharaoh_9 (K1), LilTerminator_8 (EA5), LindNT_13 (K1), LittleShirley_7 (F1), Llorens_13 (K1), Lorde_7 (F1), Lovelyunicorn_6 (EA1), Lucky3_6 (EA4), Ludgate_6 (EA1), Luna18_8 (EA6), Lunahalos_13 (K1), MCubed_6 (EA2), MacKat_13 (K1), MacnCheese_13 (K3), Madiba_7 (F1), MaeLinda_6 (EA1), Malthus_14 (K4), ManRay_6 (EA1), Mandalorian_6 (EA10), Marcoliusprime_9 (K2), MarkPheW_12 (K1), Marker_7 (F1), Marshawn_14 (K6), Martin_7 (EA1), McGalleon_7 (EA1), McMater_13 (K1), Mdavu_9 (K1), MeaningOfLife_13 (K1), Megsy_13 (K1), Mercedes_7 (EA), MillyPhilly_6 (EA1), Milly_9 (K2), Miryou_11 (K5), Misha28_7 (F1), MissDaisy_14 (K4), Mitti_14 (K4), MonChoix_6 (EA1), Morrigan_8 (EA6), Mova_7 (F1), Mozy_7 (F1), MrWorldwide_6 (EA1), Mufasa_9 (K2), MulchExplorer_8 (F1), Murucutumbu_13 (K1), Mynx_13 (K1), Nagem_6 (EA1), Nebulous_8 (EA5), Neferthena_8 (EA5), Neighly_11 (K3), Nibb_12 (K1), NickSell_6 (EA1), Nikao_9 (K1), Niklas_13 (K1), November_11 (K6), Nucci_6 (EA10), Nutello_9 (K1), Oats_6 (EA1), OkiRoe_11 (K5), Oksu_7 (F1), OldNelly_6 (EA1), OmniCritical_14 (K4), Omnicron_11 (K5), Oscar_12 (K1), OwlsT2W_7 (F1), Oxtober96_6 (EA1), PSirce_5 (EA2), Padfoot_13 (K1), Padpat_13 (K1), Pajaza_6 (EA3), Paola_11 (K5), Papafritta_6 (EA1), ParleG_6 (EA1), Patt_14 (K4), Peanam_13 (K1), Peel_13 (K1), Peep_6 (EA1), Peppino_6 (EA1), Phanita_5 (EA2), Pharb_12 (K3), PhelpsODU_12 (K6), Pherbot_6 (EA4), Pherferi_6 (EA1), Phiderman_6 (EA1), Phireproof_6 (EA1), Phrank_12 (K6), PhredFlintston_6 (EA1), Phriends_6 (EA1), Piatt_13 (K1), Pikmin_6 (EA3), Piper2020_7 (F1), Pixie_12 (K3), Plumbus_7 (F1), Pocket_6 (EA1), Pokerus_12 (K1), Pollywog_7 (F1), PrincePhergus_6 (EA4), Prithvi_13 (K1), Psycho_11 (K5), PuppyEggo_6 (EA1), QuadZero_8 (EA5), Quartz_6 (EA10), Quico_7 (F1), QuincyRose_12 (K1), Raccoon_6 (EA1), Ramen_13 (K1), Ramsey_7 (F1), Rando14_11 (K5), Rappheph_6 (EA1), Raptor_6 (EA1), Rapunzel97_13 (K1), Redfield_6 (EA1), RenegadeRaider_6 (EA4), Renzie_6 (EA1), Reptar3000_14 (K4), Rialto_7 (F1), Richo_13 (K1), Riyhil_6 (EA1), Robinson_6 (EA1), RockyHorror_7 (F1), Rog141_6 (EA1), Ronaldo_42 (DP), RosieMae_6 (EA1), Rosmarinus_13 (K1), Ruthiejr_13 (K4), SJay_6 (EA1), SamScheppers_12 (K4), SamuelLPlaqson_13 (K1), Sansa_5 (EA2), Saratos_6 (EA2), Sarma624_7 (F1), Scarlett_12 (K1), Schimmels22_9 (EA11), Schnapsidee_6 (EA1), Schubert_7 (EA8), Scissor2024_9 (EA11), Seagreen_7 (F1), Sedgewig_6 (EA1), SgtBeansprout_9 (K1), Shadow1_11 (K6), ShaiHulud_6 (EA1), Shamu_6 (EA2), Shaobing_13 (K1), ShedlockHolmes_12 (K3), Shee_6 (EA1), ShiaSurprise_13 (K1), SimranZ1_7 (F1), Sinatra_6 (EA4), SirPhilip_12 (K6), SirVictor_6 (EA4), Slarp_14 (K4), Slim_8 (F1),

Slimphazie_13 (K1), SoSeph_11 (K5), SoilGremlin_6 (EA1), Spikelee_7 (F1), Spock_13 (K1), Squirty_7 (F3), Stanktossa_6 (EA1), Stap_7 (F1), Starceвич_7 (F1), StingRay_6 (EA1), Stinson_13 (K1), StirfryIV_6 (EA1), Stormbreaker8_6 (EA1), Strathdee_6 (EA1), Strobilo_9 (K2), Sulley_13 (K1), Sunflower1121_11 (K6), Superfresh_6 (EA1), Symere_6 (EA1), Syra333_12 (K6), TBond007_12 (K3), TClif_12 (K6), TM4_9 (K2), Tachez_13 (K1), TaiwanKao_13 (K1), Taquito_12 (K4), TatarkaPM_6 (EA1), Tchotchke_7 (F1), Teagan_6 (EA1), TeddyBear_6 (EA1), Teejan_9 (K1), Tenda_6 (EA1), Theresita_7 (EA7), Thompsone_6 (EA1), Thorongil_6 (EA1), Thyatira_11 (K5), Tierra_12 (K6), TinSulphur_6 (EA1), TingHuaYa_13 (K1), TiniBug_13 (K1), Tinyman4_9 (EA11), Tiri_13 (K1), TootsiePop_7 (F1), Tootsieroll_7 (F1), Topper_13 (K1), Torres_9 (K1), Totinger_7 (F1), TreyKay_13 (K1), TribbleTrouble_11 (K3), TruffulaTree_13 (K1), Twitch_13 (K1), TwoBits_6 (EA5), UncleRicky_7 (F1), Unicorn_12 (K6), Urkel_13 (K1), Validus_13 (K1), Velene_6 (EA1), Veliki_13 (K1), Velveteen_7 (F1), Vispistious_6 (EA1), ViviJ_10 (K5), Volt_41 (DP), Wardwill_9 (EA5), Waterfoul_11 (K5), WestPM_8 (EA11), WildNOOut_6 (EA1), WilliamStrong_6 (EA6), Wintermute_14 (K4), Winzigespinne_6 (EA1), Ximenita_13 (K6), Y10_14 (K4), Y2_14 (K4), YoureAdopted_12 (K1), Yuna_13 (K6), Yunkel11_13 (K1), YuuY_6 (EA10), Zabiza_13 (K1), Zada_6 (EA1), Zavala_13 (K1), Zayuliv_8 (EA5), Zenitsu_6 (EA2), Zepp_9 (EA5), Ziko_42 (DP), ZoeJ_9 (K2),

Summary by clusters:

There are 28 clusters represented in this pham: singleton, K3, K2, K1, K7, K6, K5, K4, K8, DP, UNK, AB, AF, EA, EA9, EA8, EA1, EA3, EA2, EA5, EA4, EA7, EA6, F1, F3, EA11, EA10, FA,

Info for manual annotations of cluster AB:

- Start number 5 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 6 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster DP:

- Start number 8 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster EA:

- Start number 8 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:

- Start number 7 was manually annotated 10 times for cluster EA1.
- Start number 8 was manually annotated 109 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 8 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 8 was manually annotated 5 times for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 8 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 8 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 8 was manually annotated 11 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 8 was manually annotated 12 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 8 was manually annotated 7 times for cluster EA6.

Info for manual annotations of cluster EA7:

- Start number 8 was manually annotated 1 time for cluster EA7.

Info for manual annotations of cluster EA8:

- Start number 8 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 8 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster F1:

- Start number 8 was manually annotated 52 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 8 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FA:

- Start number 3 was manually annotated 9 times for cluster FA.

Info for manual annotations of cluster K1:

- Start number 8 was manually annotated 103 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 8 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 8 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 8 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 8 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 8 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 8 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 8 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: 8UZL_9 Start: 6448, Stop: 7437, Start Num: 5

Candidate Starts for 8UZL_9:

(Start: 5 @6448 has 4 MA's), (12, 6511), (13, 6523), (19, 6574), (20, 6580), (27, 6637), (32, 6694), (36, 6721), (50, 6811), (67, 6928), (68, 6934), (82, 7018), (97, 7138), (106, 7189), (113, 7276), (122, 7339),

Gene: Acosta_7 Start: 4827, Stop: 5819, Start Num: 8

Candidate Starts for Acosta_7:

(Start: 8 @4827 has 416 MA's), (20, 4944), (27, 5001), (29, 5034), (34, 5088), (37, 5106), (75, 5376), (103, 5556), (106, 5577), (108, 5598), (114, 5670), (118, 5697),

Gene: ActinUp_13 Start: 7931, Stop: 8869, Start Num: 8

Candidate Starts for ActinUp_13:

(Start: 8 @7931 has 416 MA's), (17, 8021), (20, 8048), (35, 8195), (37, 8207), (38, 8219), (52, 8306), (62, 8390), (69, 8420), (100, 8618), (107, 8657), (114, 8741), (115, 8744), (119, 8777), (123, 8801), (132, 8843),

Gene: Adephagia_13 Start: 7931, Stop: 8869, Start Num: 8

Candidate Starts for Adephagia_13:

(Start: 8 @7931 has 416 MA's), (17, 8021), (20, 8048), (35, 8195), (37, 8207), (38, 8219), (52, 8306), (62, 8390), (69, 8420), (100, 8618), (107, 8657), (114, 8741), (115, 8744), (119, 8777), (123, 8801), (132, 8843),

Gene: Adonis_13 Start: 7942, Stop: 8874, Start Num: 8

Candidate Starts for Adonis_13:

(Start: 8 @7942 has 416 MA's), (17, 8032), (20, 8059), (35, 8206), (37, 8218), (38, 8230), (52, 8317), (62, 8401), (69, 8431), (100, 8629), (107, 8668), (114, 8752), (115, 8755), (119, 8788), (123, 8812), (132, 8854),

Gene: Agent47_11 Start: 8100, Stop: 9020, Start Num: 8

Candidate Starts for Agent47_11:

(Start: 8 @8100 has 416 MA's), (20, 8217), (24, 8244), (29, 8304), (31, 8340), (33, 8346), (37, 8376), (41, 8412), (52, 8475), (54, 8505), (114, 8910), (115, 8913), (119, 8946), (123, 8970),

Gene: Agente005_7 Start: 4870, Stop: 5862, Start Num: 8

Candidate Starts for Agente005_7:

(Start: 8 @4870 has 416 MA's), (20, 4987), (27, 5044), (34, 5131), (49, 5230), (72, 5398), (75, 5419), (76, 5425), (106, 5620), (108, 5641), (114, 5713), (115, 5716), (118, 5740),

Gene: Ageofdapage_13 Start: 7870, Stop: 8805, Start Num: 8

Candidate Starts for Ageofdapage_13:

(Start: 8 @7870 has 416 MA's), (17, 7960), (20, 7987), (30, 8092), (35, 8134), (37, 8146), (38, 8158), (52, 8245), (69, 8359), (100, 8557), (107, 8596), (114, 8680), (115, 8683), (119, 8716), (123, 8740), (132, 8782),

Gene: Alakazam_9 Start: 5969, Stop: 6946, Start Num: 8

Candidate Starts for Alakazam_9:

(Start: 8 @5969 has 416 MA's), (14, 6032), (19, 6080), (20, 6086), (23, 6107), (30, 6194), (47, 6308), (51, 6344), (60, 6425), (72, 6497), (78, 6530), (84, 6578), (99, 6683), (103, 6698), (105, 6716), (114, 6800), (115, 6803), (118, 6827),

Gene: AlexAdler_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for AlexAdler_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (100, 5410), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Alexphander_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Alexphander_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: AlishaPH_13 Start: 7933, Stop: 8868, Start Num: 8

Candidate Starts for AlishaPH_13:

(Start: 8 @7933 has 416 MA's), (17, 8023), (20, 8050), (35, 8197), (37, 8209), (38, 8221), (52, 8308), (62, 8392), (69, 8422), (100, 8620), (107, 8659), (114, 8743), (115, 8746), (119, 8779), (123, 8803), (132, 8845),

Gene: AlleyCat_11 Start: 7993, Stop: 8925, Start Num: 8

Candidate Starts for AlleyCat_11:

(Start: 8 @7993 has 416 MA's), (20, 8110), (24, 8137), (29, 8197), (31, 8233), (33, 8239), (37, 8269), (41, 8305), (52, 8368), (54, 8398), (114, 8803), (115, 8806), (123, 8863),

Gene: Aloeri_7 Start: 5011, Stop: 5919, Start Num: 8

Candidate Starts for Aloeri_7:

(Start: 8 @5011 has 416 MA's), (17, 5101), (18, 5104), (20, 5128), (27, 5185), (29, 5215), (38, 5299), (51, 5383), (54, 5416), (74, 5548), (81, 5590), (103, 5707), (104, 5710), (109, 5755), (114, 5809), (116, 5824), (119, 5845),

Gene: Alyxandracam_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Alyxandracam_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Amelie_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Amelie_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Amgine_11 Start: 7569, Stop: 8492, Start Num: 8

Candidate Starts for Amgine_11:

(Start: 8 @7569 has 416 MA's), (13, 7629), (17, 7659), (20, 7686), (24, 7713), (29, 7773), (37, 7845), (38, 7857), (54, 7974), (65, 8037), (83, 8157), (105, 8283), (107, 8295), (109, 8313), (114, 8379), (115, 8382), (119, 8415), (123, 8439),

Gene: Aminay_11 Start: 7845, Stop: 8768, Start Num: 8

Candidate Starts for Aminay_11:

(Start: 8 @7845 has 416 MA's), (17, 7935), (20, 7962), (24, 7989), (37, 8121), (40, 8151), (41, 8157), (51, 8217), (56, 8265), (59, 8295), (78, 8397), (85, 8457), (105, 8559), (107, 8571), (109, 8589), (114, 8655), (119, 8691), (125, 8730),

Gene: Amohnition_12 Start: 7821, Stop: 8753, Start Num: 8

Candidate Starts for Amohnition_12:

(Start: 8 @7821 has 416 MA's), (17, 7911), (20, 7938), (24, 7965), (37, 8097), (46, 8154), (56, 8241), (59, 8271), (69, 8310), (83, 8409), (105, 8535), (107, 8547), (109, 8565), (114, 8631), (115, 8634), (123, 8691),

Gene: Anaya_14 Start: 7935, Stop: 8870, Start Num: 8

Candidate Starts for Anaya_14:

(Start: 8 @7935 has 416 MA's), (17, 8025), (20, 8052), (24, 8079), (35, 8199), (37, 8211), (38, 8223), (41, 8247), (52, 8310), (69, 8424), (100, 8622), (107, 8661), (109, 8679), (114, 8745), (115, 8748), (119, 8781), (121, 8790), (123, 8805), (132, 8847),

Gene: Andromedas_6 Start: 4885, Stop: 5826, Start Num: 8

Candidate Starts for Andromedas_6:

(Start: 8 @4885 has 416 MA's), (16, 4972), (20, 5002), (21, 5014), (23, 5023), (27, 5059), (47, 5224), (56, 5308), (72, 5407), (106, 5629), (114, 5710), (136, 5815),

Gene: Angelica_13 Start: 7902, Stop: 8840, Start Num: 8

Candidate Starts for Angelica_13:

(Start: 8 @7902 has 416 MA's), (17, 7992), (20, 8019), (35, 8166), (37, 8178), (38, 8190), (52, 8277), (62, 8361), (69, 8391), (100, 8589), (107, 8628), (114, 8712), (115, 8715), (119, 8748), (123, 8772), (132, 8814),

Gene: Anilorac_6 Start: 4713, Stop: 5705, Start Num: 8

Candidate Starts for Anilorac_6:

(Start: 8 @4713 has 416 MA's), (20, 4830), (27, 4887), (34, 4974), (49, 5073), (72, 5241), (75, 5262), (76, 5268), (106, 5463), (108, 5484), (114, 5556), (115, 5559), (118, 5583),

Gene: Antoinette_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Antoinette_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Apocalypse_13 Start: 7909, Stop: 8844, Start Num: 8

Candidate Starts for Apocalypse_13:

(Start: 8 @7909 has 416 MA's), (17, 7999), (20, 8026), (35, 8173), (37, 8185), (38, 8197), (52, 8284), (62, 8368), (69, 8398), (100, 8596), (107, 8635), (114, 8719), (115, 8722), (119, 8755), (123, 8779), (132, 8821),

Gene: Applecrisp_11 Start: 7970, Stop: 8893, Start Num: 8

Candidate Starts for Applecrisp_11:

(Start: 8 @7970 has 416 MA's), (17, 8060), (20, 8087), (24, 8114), (29, 8174), (37, 8246), (38, 8258), (46, 8303), (54, 8375), (65, 8438), (83, 8558), (105, 8684), (107, 8696), (109, 8714), (114, 8780), (115, 8783), (119, 8816), (123, 8840),

Gene: AranulaLuti_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for AranulaLuti_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Asayake_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Asayake_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Asta_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for Asta_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: Atiba_13 Start: 7897, Stop: 8832, Start Num: 8

Candidate Starts for Atiba_13:

(Start: 8 @7897 has 416 MA's), (17, 7987), (20, 8014), (35, 8161), (37, 8173), (38, 8185), (52, 8272), (62, 8356), (69, 8386), (100, 8584), (107, 8623), (114, 8707), (115, 8710), (119, 8743), (123, 8767), (132, 8809),

Gene: Aubergine_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for Aubergine_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: Awesomesauce_7 Start: 5010, Stop: 5918, Start Num: 8

Candidate Starts for Awesomesauce_7:

(Start: 8 @5010 has 416 MA's), (17, 5100), (18, 5103), (20, 5127), (27, 5184), (29, 5214), (38, 5298), (54, 5415), (74, 5547), (81, 5589), (103, 5706), (104, 5709), (109, 5754), (114, 5808), (116, 5823), (119, 5844),

Gene: AxiPup_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for AxiPup_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: BEEST_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for BEEST_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: BGlluviae_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for BGlluviae_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: BaghaKamala_13 Start: 7900, Stop: 8835, Start Num: 8

Candidate Starts for BaghaKamala_13:

(Start: 8 @7900 has 416 MA's), (17, 7990), (20, 8017), (35, 8164), (37, 8176), (38, 8188), (52, 8275), (62, 8359), (69, 8389), (100, 8587), (107, 8626), (109, 8644), (114, 8710), (115, 8713), (119, 8746), (123, 8770), (132, 8812),

Gene: Baines_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Baines_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Balsa_6 Start: 4714, Stop: 5694, Start Num: 8

Candidate Starts for Balsa_6:

(Start: 8 @4714 has 416 MA's), (20, 4831), (29, 4921), (30, 4939), (34, 4975), (49, 5074), (56, 5137), (72, 5242), (75, 5263), (76, 5269), (108, 5485), (114, 5545), (118, 5572),

Gene: Bandik_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Bandik_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: BaronJohn_8 Start: 5188, Stop: 6168, Start Num: 8

Candidate Starts for BaronJohn_8:

(Start: 8 @5188 has 416 MA's), (19, 5299), (20, 5305), (23, 5326), (27, 5362), (36, 5461), (47, 5527), (60, 5644), (71, 5713), (72, 5716), (99, 5902), (103, 5917), (105, 5935), (114, 6019), (115, 6022), (137, 6163),

Gene: BarrelRoll_13 Start: 7926, Stop: 8861, Start Num: 8

Candidate Starts for BarrelRoll_13:

(Start: 8 @7926 has 416 MA's), (17, 8016), (20, 8043), (35, 8190), (37, 8202), (38, 8214), (52, 8301), (62, 8385), (69, 8415), (100, 8613), (107, 8652), (114, 8736), (115, 8739), (119, 8772), (123, 8796), (132, 8838),

Gene: Beakin_7 Start: 5010, Stop: 5918, Start Num: 8

Candidate Starts for Beakin_7:

(Start: 8 @5010 has 416 MA's), (17, 5100), (18, 5103), (20, 5127), (27, 5184), (29, 5214), (38, 5298), (54, 5415), (74, 5547), (81, 5589), (103, 5706), (104, 5709), (109, 5754), (114, 5808), (116, 5823), (119, 5844),

Gene: BeautPeep30_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for BeautPeep30_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: BeeBee8_7 Start: 4880, Stop: 5872, Start Num: 8

Candidate Starts for BeeBee8_7:

(Start: 8 @4880 has 416 MA's), (20, 4997), (27, 5054), (34, 5141), (49, 5240), (72, 5408), (75, 5429), (76, 5435), (101, 5603), (105, 5627), (108, 5651), (114, 5723), (115, 5726),

Gene: Beezoo_13 Start: 7951, Stop: 8889, Start Num: 8

Candidate Starts for Beezoo_13:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (27, 8125), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: Bella96_13 Start: 7861, Stop: 8796, Start Num: 8

Candidate Starts for Bella96_13:

(Start: 8 @7861 has 416 MA's), (17, 7951), (20, 7978), (35, 8125), (37, 8137), (38, 8149), (52, 8236), (69, 8350), (100, 8548), (107, 8587), (109, 8605), (114, 8671), (119, 8707), (123, 8731), (132, 8773),

Gene: Belladonna_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Belladonna_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Benjalauren_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Benjalauren_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Bern_14 Start: 7891, Stop: 8826, Start Num: 8

Candidate Starts for Bern_14:

(Start: 8 @7891 has 416 MA's), (17, 7981), (20, 8008), (35, 8155), (37, 8167), (38, 8179), (52, 8266), (69, 8380), (100, 8578), (107, 8617), (109, 8635), (114, 8701), (119, 8737), (123, 8761), (128, 8788), (132, 8803),

Gene: BigPhil_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for BigPhil_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: BigRedClifford_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for BigRedClifford_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Biglebops_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Biglebops_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Blage_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Blage_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Blizzard_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Blizzard_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Bobi_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Bobi_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Bobquesha_14 Start: 8929, Stop: 9858, Start Num: 8

Candidate Starts for Bobquesha_14:

(Start: 8 @8929 has 416 MA's), (17, 9019), (19, 9040), (20, 9046), (24, 9073), (29, 9133), (40, 9235), (41, 9241), (57, 9361), (69, 9418), (81, 9508), (98, 9601), (107, 9655), (109, 9673), (114, 9739), (123,

9799),

Gene: Boiiii_13 Start: 7976, Stop: 8911, Start Num: 8

Candidate Starts for Boiiii_13:

(Start: 8 @7976 has 416 MA's), (17, 8066), (20, 8093), (35, 8240), (37, 8252), (38, 8264), (52, 8351), (62, 8435), (69, 8465), (100, 8663), (107, 8702), (114, 8786), (115, 8789), (119, 8822), (123, 8846), (132, 8888),

Gene: Boilgate_10 Start: 7916, Stop: 8845, Start Num: 8

Candidate Starts for Boilgate_10:

(Start: 8 @7916 has 416 MA's), (18, 8009), (19, 8027), (20, 8033), (24, 8060), (30, 8138), (38, 8204), (40, 8222), (41, 8228), (42, 8231), (57, 8348), (61, 8372), (69, 8405), (77, 8465), (78, 8468), (81, 8495), (85, 8528), (109, 8660), (114, 8726), (116, 8741), (119, 8762), (120, 8765), (123, 8786), (126, 8807),

Gene: BonesMcCoy_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for BonesMcCoy_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Bonino_6 Start: 4707, Stop: 5633, Start Num: 7

Candidate Starts for Bonino_6:

(Start: 7 @4707 has 10 MA's), (20, 4824), (23, 4845), (27, 4881), (35, 4974), (36, 4980), (37, 4986), (47, 5046), (56, 5130), (76, 5244), (95, 5370), (105, 5436), (114, 5520), (118, 5547), (132, 5622),

Gene: Boomer_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Boomer_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: BoostSeason_9 Start: 5933, Stop: 6856, Start Num: 8

Candidate Starts for BoostSeason_9:

(Start: 8 @5933 has 416 MA's), (19, 6044), (20, 6050), (24, 6077), (30, 6155), (37, 6209), (40, 6239), (41, 6245), (57, 6365), (85, 6545), (102, 6626), (105, 6647), (107, 6659), (114, 6743), (119, 6779), (121, 6788), (129, 6833),

Gene: BouleyBill_6 Start: 4718, Stop: 5680, Start Num: 8

Candidate Starts for BouleyBill_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (27, 4892), (30, 4943), (51, 5093), (53, 5105), (72, 5240), (109, 5489), (114, 5543), (115, 5546), (118, 5570),

Gene: Bridgette_6 Start: 5591, Stop: 6574, Start Num: 3

Candidate Starts for Bridgette_6:

(Start: 3 @5591 has 9 MA's), (4, 5615), (13, 5693), (27, 5807), (40, 5927), (44, 5948), (51, 5993), (92, 6278), (94, 6290), (102, 6344), (114, 6464),

Gene: Brookers_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Brookers_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: Brushbloom_8 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Brushbloom_8:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (19, 5118), (20, 5124), (26, 5163), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (103, 5703), (104, 5706), (105, 5721), (109, 5751), (114, 5805), (119, 5841),

Gene: Bryler_12 Start: 6893, Stop: 7816, Start Num: 8

Candidate Starts for Bryler_12:

(Start: 8 @6893 has 416 MA's), (20, 7010), (24, 7037), (33, 7139), (35, 7157), (37, 7169), (38, 7181), (57, 7325), (102, 7586), (107, 7619), (109, 7637), (114, 7703), (115, 7706), (119, 7739), (128, 7790),

Gene: Bustleton_6 Start: 4719, Stop: 5669, Start Num: 8

Candidate Starts for Bustleton_6:

(Start: 8 @4719 has 416 MA's), (19, 4830), (20, 4836), (23, 4857), (29, 4926), (30, 4944), (51, 5094), (53, 5106), (71, 5238), (72, 5241), (109, 5490), (114, 5544), (115, 5547), (118, 5571),

Gene: BuzzLyseyear_7 Start: 5006, Stop: 5914, Start Num: 8

Candidate Starts for BuzzLyseyear_7:

(Start: 8 @5006 has 416 MA's), (17, 5096), (18, 5099), (20, 5123), (27, 5180), (29, 5210), (38, 5294), (54, 5411), (74, 5543), (81, 5585), (103, 5702), (104, 5705), (109, 5750), (114, 5804), (116, 5819), (119, 5840),

Gene: Byron23_6 Start: 4711, Stop: 5637, Start Num: 8

Candidate Starts for Byron23_6:

(Start: 8 @4711 has 416 MA's), (20, 4828), (23, 4849), (27, 4885), (35, 4978), (36, 4984), (37, 4990), (47, 5050), (56, 5134), (76, 5248), (95, 5374), (105, 5440), (114, 5524), (118, 5551), (132, 5626),

Gene: CREW_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for CREW_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Cain_12 Start: 6881, Stop: 7804, Start Num: 8

Candidate Starts for Cain_12:

(Start: 8 @6881 has 416 MA's), (20, 6998), (24, 7025), (33, 7127), (35, 7145), (37, 7157), (38, 7169), (57, 7313), (102, 7574), (107, 7607), (109, 7625), (114, 7691), (115, 7694), (119, 7727), (128, 7778),

Gene: Calix_6 Start: 4707, Stop: 5633, Start Num: 7

Candidate Starts for Calix_6:

(Start: 7 @4707 has 10 MA's), (20, 4824), (23, 4845), (27, 4881), (35, 4974), (36, 4980), (37, 4986), (47, 5046), (56, 5130), (76, 5244), (95, 5370), (105, 5436), (114, 5520), (118, 5547), (132, 5622),

Gene: CallaLilly_13 Start: 7898, Stop: 8836, Start Num: 8

Candidate Starts for CallaLilly_13:

(Start: 8 @7898 has 416 MA's), (17, 7988), (20, 8015), (27, 8072), (35, 8162), (37, 8174), (38, 8186), (52, 8273), (62, 8357), (69, 8387), (100, 8585), (107, 8624), (114, 8708), (115, 8711), (119, 8744), (123, 8768), (132, 8810),

Gene: Capricorn_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Capricorn_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: CaptainRex_8 Start: 5185, Stop: 6165, Start Num: 8

Candidate Starts for CaptainRex_8:

(Start: 8 @5185 has 416 MA's), (19, 5296), (20, 5302), (23, 5323), (27, 5359), (36, 5458), (41, 5500), (47, 5524), (60, 5641), (71, 5710), (72, 5713), (99, 5899), (103, 5914), (105, 5932), (114, 6016), (115, 6019), (137, 6160),

Gene: CarisSwetlik_8 Start: 5318, Stop: 6310, Start Num: 8

Candidate Starts for CarisSwetlik_8:

(Start: 8 @5318 has 416 MA's), (20, 5435), (27, 5492), (29, 5525), (34, 5579), (37, 5597), (75, 5867), (103, 6047), (106, 6068), (108, 6089), (114, 6161), (115, 6164), (118, 6188), (137, 6305),

Gene: Carostasia_6 Start: 5021, Stop: 5974, Start Num: 8

Candidate Starts for Carostasia_6:

(Start: 8 @5021 has 416 MA's), (20, 5138), (21, 5150), (23, 5159), (24, 5165), (27, 5195), (51, 5396), (56, 5444), (72, 5543), (96, 5702), (100, 5735), (103, 5744), (114, 5846), (115, 5849),

Gene: CaseJules_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for CaseJules_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Casey_6 Start: 5146, Stop: 6075, Start Num: 8

Candidate Starts for Casey_6:

(Start: 8 @5146 has 416 MA's), (20, 5263), (23, 5284), (24, 5290), (27, 5320), (34, 5401), (35, 5407), (36, 5413), (37, 5419), (47, 5479), (56, 5563), (72, 5650), (75, 5671), (76, 5677), (96, 5809), (109, 5899), (114, 5965), (118, 5992),

Gene: Cerasum_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Cerasum_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: Chako_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Chako_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Chamuel_6 Start: 4709, Stop: 5635, Start Num: 7

Candidate Starts for Chamuel_6:

(Start: 7 @4709 has 10 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (56, 5132), (76, 5246), (95, 5372), (100, 5411), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: Chancellor_14 Start: 9175, Stop: 10104, Start Num: 8

Candidate Starts for Chancellor_14:

(Start: 8 @9175 has 416 MA's), (17, 9265), (19, 9286), (20, 9292), (24, 9319), (29, 9379), (40, 9481), (41, 9487), (51, 9547), (57, 9607), (69, 9664), (78, 9727), (81, 9754), (98, 9847), (107, 9901), (109, 9919), (114, 9985), (123, 10045),

Gene: Chavito_13 Start: 6999, Stop: 7937, Start Num: 8

Candidate Starts for Chavito_13:

(Start: 8 @6999 has 416 MA's), (17, 7089), (20, 7116), (24, 7143), (35, 7263), (37, 7275), (52, 7374), (62, 7458), (69, 7488), (100, 7686), (107, 7725), (109, 7743), (114, 7809), (115, 7812), (123, 7869),

Gene: Cheeto1_7 Start: 4820, Stop: 5764, Start Num: 8

Candidate Starts for Cheeto1_7:

(Start: 8 @4820 has 416 MA's), (20, 4937), (23, 4958), (34, 5081), (37, 5099), (47, 5159), (56, 5243), (75, 5363), (106, 5564), (108, 5585), (114, 5645), (118, 5672),

Gene: CheetoDust_13 Start: 7951, Stop: 8886, Start Num: 8

Candidate Starts for CheetoDust_13:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (109, 8695), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: Cheetobro_14 Start: 9175, Stop: 10104, Start Num: 8

Candidate Starts for Cheetobro_14:

(Start: 8 @9175 has 416 MA's), (17, 9265), (19, 9286), (20, 9292), (24, 9319), (29, 9379), (40, 9481), (41, 9487), (51, 9547), (57, 9607), (69, 9664), (78, 9727), (81, 9754), (98, 9847), (107, 9901), (109, 9919), (114, 9985), (123, 10045),

Gene: Chepli_8 Start: 5181, Stop: 6134, Start Num: 8

Candidate Starts for Chepli_8:

(Start: 8 @5181 has 416 MA's), (19, 5292), (20, 5298), (23, 5319), (24, 5325), (27, 5355), (47, 5520), (51, 5556), (59, 5634), (72, 5709), (101, 5904), (114, 6012), (115, 6015), (128, 6105),

Gene: ChickenDinner_7 Start: 5011, Stop: 5919, Start Num: 8

Candidate Starts for ChickenDinner_7:

(Start: 8 @5011 has 416 MA's), (17, 5101), (18, 5104), (20, 5128), (27, 5185), (29, 5215), (38, 5299), (51, 5383), (54, 5416), (74, 5548), (81, 5590), (103, 5707), (104, 5710), (109, 5755), (114, 5809), (116, 5824), (119, 5845),

Gene: ChickenKing_6 Start: 4646, Stop: 5590, Start Num: 8

Candidate Starts for ChickenKing_6:

(Start: 8 @4646 has 416 MA's), (20, 4763), (23, 4784), (24, 4790), (34, 4907), (37, 4925), (47, 4985), (56, 5069), (75, 5189), (106, 5390), (108, 5411), (114, 5471), (118, 5498), (135, 5579),

Gene: ChikPic_6 Start: 4889, Stop: 5836, Start Num: 8

Candidate Starts for ChikPic_6:

(Start: 8 @4889 has 416 MA's), (16, 4976), (20, 5006), (21, 5018), (23, 5027), (29, 5096), (47, 5228), (56, 5312), (72, 5411), (75, 5432), (106, 5633), (114, 5714),

Gene: Chris_12 Start: 6799, Stop: 7722, Start Num: 8

Candidate Starts for Chris_12:

(Start: 8 @6799 has 416 MA's), (19, 6910), (20, 6916), (24, 6943), (30, 7021), (35, 7063), (37, 7075), (38, 7087), (52, 7174), (54, 7204), (56, 7219), (59, 7249), (73, 7324), (83, 7387), (107, 7525), (112, 7594), (114, 7609), (115, 7612), (119, 7645), (121, 7654), (123, 7669),

Gene: Christoph_6 Start: 4720, Stop: 5646, Start Num: 8

Candidate Starts for Christoph_6:

(Start: 8 @4720 has 416 MA's), (20, 4837), (23, 4858), (27, 4894), (35, 4987), (36, 4993), (37, 4999), (47, 5059), (56, 5143), (76, 5257), (95, 5383), (105, 5449), (114, 5533), (118, 5560), (132, 5635),

Gene: ChuckDuck_6 Start: 5552, Stop: 6535, Start Num: 3

Candidate Starts for ChuckDuck_6:

(Start: 3 @5552 has 9 MA's), (4, 5576), (13, 5654), (27, 5768), (40, 5888), (44, 5909), (51, 5954), (92, 6239), (94, 6251), (102, 6305), (114, 6425),

Gene: Clancy_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Clancy_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Clipper_14 Start: 7951, Stop: 8886, Start Num: 8

Candidate Starts for Clipper_14:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: Clock_8 Start: 5907, Stop: 6884, Start Num: 8

Candidate Starts for Clock_8:

(Start: 8 @5907 has 416 MA's), (14, 5970), (17, 5997), (19, 6018), (20, 6024), (23, 6045), (30, 6132), (47, 6246), (51, 6282), (60, 6363), (72, 6435), (78, 6468), (84, 6516), (99, 6621), (103, 6636), (105, 6654), (114, 6738), (115, 6741), (118, 6765),

Gene: Coco12_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Coco12_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: ColaCorta_6 Start: 4885, Stop: 5826, Start Num: 8

Candidate Starts for ColaCorta_6:

(Start: 8 @4885 has 416 MA's), (16, 4972), (20, 5002), (21, 5014), (23, 5023), (27, 5059), (47, 5224), (56, 5308), (72, 5407), (106, 5629), (114, 5710), (136, 5815),

Gene: Collard_11 Start: 8061, Stop: 8981, Start Num: 8

Candidate Starts for Collard_11:

(Start: 8 @8061 has 416 MA's), (20, 8178), (24, 8205), (29, 8265), (31, 8301), (33, 8307), (37, 8337), (41, 8373), (52, 8436), (54, 8466), (114, 8871), (115, 8874), (119, 8907), (123, 8931),

Gene: Constance_6 Start: 5596, Stop: 6579, Start Num: 3

Candidate Starts for Constance_6:

(Start: 3 @5596 has 9 MA's), (4, 5620), (13, 5698), (27, 5812), (40, 5932), (44, 5953), (51, 5998), (92, 6283), (94, 6295), (102, 6349), (114, 6469),

Gene: Convict_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Convict_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Cornucopia_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Cornucopia_7:

(Start: 8 @5007 has 416 MA's), (19, 5118), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (72, 5526), (74, 5544), (103, 5703), (104, 5706), (105, 5721), (109, 5751), (111, 5775), (114, 5805),

Gene: CrimD_13 Start: 7903, Stop: 8838, Start Num: 8

Candidate Starts for CrimD_13:

(Start: 8 @7903 has 416 MA's), (17, 7993), (20, 8020), (35, 8167), (37, 8179), (38, 8191), (52, 8278), (69, 8392), (100, 8590), (107, 8629), (109, 8647), (114, 8713), (115, 8716), (119, 8749), (123, 8773), (132, 8815),

Gene: Curiosium_14 Start: 7298, Stop: 8221, Start Num: 8

Candidate Starts for Curiosium_14:

(Start: 8 @7298 has 416 MA's), (17, 7388), (20, 7415), (35, 7562), (37, 7574), (38, 7586), (52, 7673), (59, 7748), (69, 7787), (100, 7985), (107, 8024), (114, 8108), (115, 8111), (119, 8144), (123, 8168),

Gene: DS6A_11 Start: 8184, Stop: 9230, Start Num: 8

Candidate Starts for DS6A_11:

(Start: 8 @8184 has 416 MA's), (9, 8208), (18, 8277), (20, 8301), (24, 8328), (25, 8331), (36, 8475), (38, 8493), (45, 8535), (51, 8577), (58, 8652), (70, 8706), (77, 8748), (80, 8766), (85, 8811), (91, 8880), (93, 8892), (97, 8922), (104, 8955), (105, 8970), (107, 8982), (114, 9054), (124, 9123), (127, 9141), (131, 9150),

Gene: DaWorst_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for DaWorst_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Dadosky_11 Start: 7994, Stop: 8926, Start Num: 8

Candidate Starts for Dadosky_11:

(Start: 8 @7994 has 416 MA's), (20, 8111), (24, 8138), (29, 8198), (31, 8234), (33, 8240), (37, 8270), (41, 8306), (52, 8369), (54, 8399), (114, 8804), (115, 8807), (123, 8864),

Gene: Dalmuri_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Dalmuri_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: DarthP_12 Start: 7821, Stop: 8753, Start Num: 8

Candidate Starts for DarthP_12:

(Start: 8 @7821 has 416 MA's), (17, 7911), (20, 7938), (24, 7965), (37, 8097), (46, 8154), (56, 8241), (59, 8271), (69, 8310), (83, 8409), (105, 8535), (107, 8547), (109, 8565), (114, 8631), (115, 8634), (123, 8691),

Gene: Dartin_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for Dartin_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882), (126, 7903),

Gene: Dave_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Dave_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Deby_13 Start: 7902, Stop: 8840, Start Num: 8

Candidate Starts for Deby_13:

(Start: 8 @7902 has 416 MA's), (17, 7992), (20, 8019), (35, 8166), (37, 8178), (38, 8190), (52, 8277), (62, 8361), (69, 8391), (100, 8589), (107, 8628), (114, 8712), (115, 8715), (119, 8748), (123, 8772), (132, 8814),

Gene: Delphidian_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Delphidian_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Den3_6 Start: 4712, Stop: 5638, Start Num: 8

Candidate Starts for Den3_6:

(Start: 8 @4712 has 416 MA's), (20, 4829), (23, 4850), (27, 4886), (35, 4979), (36, 4985), (37, 4991), (47, 5051), (56, 5135), (76, 5249), (95, 5375), (105, 5441), (114, 5525), (118, 5552), (132, 5627),

Gene: Devera_13 Start: 7928, Stop: 8863, Start Num: 8

Candidate Starts for Devera_13:

(Start: 8 @7928 has 416 MA's), (17, 8018), (20, 8045), (35, 8192), (37, 8204), (38, 8216), (52, 8303), (69, 8417), (100, 8615), (107, 8654), (109, 8672), (114, 8738), (115, 8741), (119, 8774), (120, 8777), (123, 8798), (132, 8840),

Gene: DirtMcgirt_7 Start: 5009, Stop: 5917, Start Num: 8

Candidate Starts for DirtMcgirt_7:

(Start: 8 @5009 has 416 MA's), (17, 5099), (18, 5102), (20, 5126), (27, 5183), (29, 5213), (38, 5297), (54, 5414), (74, 5546), (81, 5588), (103, 5705), (104, 5708), (109, 5753), (114, 5807), (116, 5822), (119, 5843),

Gene: DismalFunk_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for DismalFunk_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: DismalStressor_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for DismalStressor_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: DocMcStuffins_7 Start: 5011, Stop: 5919, Start Num: 8

Candidate Starts for DocMcStuffins_7:

(Start: 8 @5011 has 416 MA's), (17, 5101), (18, 5104), (20, 5128), (27, 5185), (29, 5215), (38, 5299), (51, 5383), (54, 5416), (74, 5548), (81, 5590), (103, 5707), (104, 5710), (109, 5755), (114, 5809), (116, 5824), (119, 5845),

Gene: Dole_13 Start: 7930, Stop: 8865, Start Num: 8

Candidate Starts for Dole_13:

(Start: 8 @7930 has 416 MA's), (17, 8020), (20, 8047), (35, 8194), (37, 8206), (38, 8218), (52, 8305), (69, 8419), (100, 8617), (107, 8656), (109, 8674), (114, 8740), (115, 8743), (119, 8776), (120, 8779), (123, 8800), (132, 8842),

Gene: DosHalletts_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for DosHalletts_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820),

(119, 5841),

Gene: Dothraki_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Dothraki_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Doughnut_9 Start: 5933, Stop: 6850, Start Num: 8

Candidate Starts for Doughnut_9:

(Start: 8 @5933 has 416 MA's), (19, 6044), (20, 6050), (24, 6077), (30, 6155), (37, 6209), (40, 6239), (41, 6245), (57, 6365), (85, 6545), (102, 6626), (105, 6647), (107, 6659), (114, 6743), (119, 6779), (121, 6788), (129, 6833),

Gene: DrHayes_13 Start: 7882, Stop: 8817, Start Num: 8

Candidate Starts for DrHayes_13:

(Start: 8 @7882 has 416 MA's), (17, 7972), (20, 7999), (35, 8146), (37, 8158), (38, 8170), (52, 8257), (69, 8371), (100, 8569), (107, 8608), (109, 8626), (114, 8692), (119, 8728), (123, 8752), (132, 8794),

Gene: Drago_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Drago_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Duocatuli_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Duocatuli_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Durfee_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Durfee_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Edugator_10 Start: 7994, Stop: 8926, Start Num: 8

Candidate Starts for Edugator_10:

(Start: 8 @7994 has 416 MA's), (20, 8111), (24, 8138), (29, 8198), (31, 8234), (33, 8240), (37, 8270), (41, 8306), (52, 8369), (54, 8399), (114, 8804), (115, 8807), (123, 8864),

Gene: Efra2_13 Start: 6872, Stop: 7801, Start Num: 8

Candidate Starts for Efra2_13:

(Start: 8 @6872 has 416 MA's), (17, 6962), (20, 6989), (35, 7136), (37, 7148), (38, 7160), (52, 7247), (69, 7361), (100, 7559), (107, 7598), (114, 7682), (115, 7685), (119, 7718), (123, 7742), (128, 7769), (132, 7784),

Gene: Eileen_6 Start: 5556, Stop: 6539, Start Num: 3

Candidate Starts for Eileen_6:

(Start: 3 @5556 has 9 MA's), (4, 5580), (13, 5658), (27, 5772), (37, 5862), (40, 5892), (44, 5913), (51, 5958), (92, 6243), (94, 6255), (102, 6309), (114, 6429),

Gene: Ekdilam_10 Start: 7548, Stop: 8483, Start Num: 8

Candidate Starts for Ekdilam_10:

(Start: 8 @7548 has 416 MA's), (17, 7638), (20, 7665), (24, 7692), (37, 7824), (41, 7860), (56, 7968), (59, 7998), (69, 8037), (83, 8136), (105, 8262), (107, 8274), (109, 8292), (114, 8358), (115, 8361), (119, 8394), (123, 8418),

Gene: Eleri_6 Start: 4886, Stop: 5833, Start Num: 8

Candidate Starts for Eleri_6:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (27, 5060), (47, 5225), (56, 5309), (72, 5408), (106, 5630), (114, 5711),

Gene: Ellie_10 Start: 7643, Stop: 8566, Start Num: 8

Candidate Starts for Ellie_10:

(Start: 8 @7643 has 416 MA's), (17, 7733), (20, 7760), (24, 7787), (29, 7847), (37, 7919), (38, 7931), (46, 7976), (54, 8048), (65, 8111), (83, 8231), (105, 8357), (107, 8369), (109, 8387), (114, 8453), (115, 8456), (119, 8489), (123, 8513),

Gene: Emerson_13 Start: 7934, Stop: 8869, Start Num: 8

Candidate Starts for Emerson_13:

(Start: 8 @7934 has 416 MA's), (17, 8024), (20, 8051), (35, 8198), (37, 8210), (38, 8222), (52, 8309), (62, 8393), (69, 8423), (100, 8621), (107, 8660), (114, 8744), (115, 8747), (119, 8780), (123, 8804), (132, 8846),

Gene: Emmaloid_8 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Emmaloid_8:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Enby_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Enby_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Endor_7 Start: 5123, Stop: 6103, Start Num: 8

Candidate Starts for Endor_7:

(1, 4958), (Start: 8 @5123 has 416 MA's), (20, 5240), (29, 5330), (30, 5348), (34, 5384), (37, 5402), (49, 5483), (56, 5546), (72, 5651), (75, 5672), (76, 5678), (108, 5894), (114, 5954), (118, 5981),

Gene: Enkosi_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Enkosi_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Eponine_14 Start: 9051, Stop: 9980, Start Num: 8

Candidate Starts for Eponine_14:

(Start: 8 @9051 has 416 MA's), (17, 9141), (19, 9162), (20, 9168), (24, 9195), (29, 9255), (37, 9327), (40, 9357), (41, 9363), (69, 9540), (78, 9603), (81, 9630), (85, 9663), (98, 9723), (107, 9777), (114, 9861), (119, 9897), (123, 9921),

Gene: Erla_6 Start: 4707, Stop: 5633, Start Num: 7

Candidate Starts for Erla_6:

(Start: 7 @4707 has 10 MA's), (20, 4824), (23, 4845), (27, 4881), (35, 4974), (36, 4980), (37, 4986), (47, 5046), (56, 5130), (76, 5244), (95, 5370), (105, 5436), (114, 5520), (118, 5547), (132, 5622),

Gene: Espinosa_6 Start: 4720, Stop: 5646, Start Num: 8

Candidate Starts for Espinosa_6:

(Start: 8 @4720 has 416 MA's), (20, 4837), (23, 4858), (27, 4894), (35, 4987), (36, 4993), (37, 4999), (47, 5059), (56, 5143), (76, 5257), (95, 5383), (105, 5449), (114, 5533), (118, 5560), (132, 5635),

Gene: Etna_6 Start: 4705, Stop: 5697, Start Num: 8

Candidate Starts for Etna_6:

(Start: 8 @4705 has 416 MA's), (20, 4822), (27, 4879), (34, 4966), (49, 5065), (72, 5233), (75, 5254), (76, 5260), (101, 5428), (105, 5452), (108, 5476), (114, 5548), (115, 5551),

Gene: Etta_6 Start: 4711, Stop: 5637, Start Num: 7

Candidate Starts for Etta_6:

(Start: 7 @4711 has 10 MA's), (20, 4828), (23, 4849), (27, 4885), (35, 4978), (36, 4984), (37, 4990), (47, 5050), (56, 5134), (76, 5248), (95, 5374), (100, 5413), (105, 5440), (114, 5524), (118, 5551), (132, 5626),

Gene: Exploradora_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Exploradora_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: FF47_09 Start: 6426, Stop: 7418, Start Num: 5

Candidate Starts for FF47_09:

(Start: 5 @6426 has 4 MA's), (13, 6501), (19, 6552), (20, 6558), (27, 6615), (32, 6672), (36, 6699), (50, 6789), (68, 6912), (75, 6954), (82, 6996), (97, 7116), (106, 7167), (113, 7254), (122, 7317),

Gene: Farewell_6 Start: 5364, Stop: 6332, Start Num: 6

Candidate Starts for Farewell_6:

(Start: 6 @5364 has 2 MA's), (9, 5388), (17, 5454), (20, 5481), (25, 5511), (29, 5568), (33, 5610), (36, 5634), (37, 5640), (38, 5652), (51, 5736), (57, 5796), (79, 5919), (88, 6015), (97, 6081), (103, 6111), (109, 6159), (111, 6183), (114, 6213), (115, 6216), (119, 6249),

Gene: FarmerDoug_6 Start: 4708, Stop: 5688, Start Num: 8

Candidate Starts for FarmerDoug_6:

(1, 4543), (Start: 8 @4708 has 416 MA's), (20, 4825), (29, 4915), (30, 4933), (34, 4969), (37, 4987), (49, 5068), (56, 5131), (72, 5236), (75, 5257), (76, 5263), (108, 5479), (114, 5539), (118, 5566),

Gene: Fefferhead_12 Start: 7810, Stop: 8733, Start Num: 8

Candidate Starts for Fefferhead_12:

(Start: 8 @7810 has 416 MA's), (17, 7900), (20, 7927), (24, 7954), (29, 8014), (37, 8086), (38, 8098), (54, 8215), (65, 8278), (83, 8398), (105, 8524), (107, 8536), (109, 8554), (114, 8620), (115, 8623), (119, 8656), (123, 8680),

Gene: Feyre_11 Start: 7873, Stop: 8805, Start Num: 8

Candidate Starts for Feyre_11:

(Start: 8 @7873 has 416 MA's), (20, 7990), (24, 8017), (29, 8077), (31, 8113), (33, 8119), (41, 8185), (52, 8248), (54, 8278), (78, 8425), (114, 8683), (115, 8686), (119, 8719), (123, 8743),

Gene: Figueroism_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Figueroism_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Findley_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for Findley_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (30, 6169), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: Finny_6 Start: 4886, Stop: 5827, Start Num: 8

Candidate Starts for Finny_6:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (29, 5093), (47, 5225), (56, 5309), (72, 5408), (106, 5630), (114, 5711), (136, 5816),

Gene: Fionnbharth_14 Start: 9165, Stop: 10094, Start Num: 8

Candidate Starts for Fionnbharth_14:

(Start: 8 @9165 has 416 MA's), (17, 9255), (19, 9276), (20, 9282), (24, 9309), (29, 9369), (40, 9471), (41, 9477), (51, 9537), (57, 9597), (69, 9654), (78, 9717), (81, 9744), (98, 9837), (107, 9891), (109, 9909), (114, 9975), (123, 10035),

Gene: Flathead_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Flathead_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (19, 5118), (20, 5124), (26, 5163), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (103, 5703), (104, 5706), (105, 5721), (109, 5751), (114, 5805), (119, 5841),

Gene: FosterFrank_6 Start: 5554, Stop: 6537, Start Num: 3

Candidate Starts for FosterFrank_6:

(Start: 3 @5554 has 9 MA's), (4, 5578), (13, 5656), (27, 5770), (40, 5890), (44, 5911), (94, 6253), (102, 6307), (114, 6427),

Gene: Frankie_7 Start: 5201, Stop: 6109, Start Num: 8

Candidate Starts for Frankie_7:

(Start: 8 @5201 has 416 MA's), (17, 5291), (18, 5294), (20, 5318), (27, 5375), (29, 5405), (38, 5489), (54, 5606), (74, 5738), (81, 5780), (103, 5897), (104, 5900), (105, 5915), (109, 5945), (111, 5969), (114, 5999),

Gene: Fryberger_39 Start: 14324, Stop: 15298, Start Num: 8

Candidate Starts for Fryberger_39:

(Start: 8 @14324 has 416 MA's), (15, 14396), (17, 14414), (20, 14441), (46, 14657), (59, 14774), (72, 14843), (86, 14951), (87, 14978), (90, 14999), (97, 15047), (104, 15080), (107, 15107), (114, 15179), (115, 15182), (120, 15218),

Gene: Fulton_8 Start: 5173, Stop: 6153, Start Num: 8

Candidate Starts for Fulton_8:

(Start: 8 @5173 has 416 MA's), (19, 5284), (20, 5290), (23, 5311), (30, 5398), (36, 5446), (41, 5488), (47, 5512), (60, 5629), (71, 5698), (72, 5701), (99, 5887), (103, 5902), (105, 5920), (114, 6004), (115, 6007), (137, 6148),

Gene: GaeCeo_7 Start: 4819, Stop: 5760, Start Num: 8

Candidate Starts for GaeCeo_7:

(Start: 8 @4819 has 416 MA's), (20, 4936), (23, 4957), (24, 4963), (34, 5080), (37, 5098), (47, 5158), (56, 5242), (75, 5362), (106, 5563), (108, 5584), (114, 5644), (118, 5671), (135, 5749),

Gene: Ganymede_13 Start: 7951, Stop: 8886, Start Num: 8

Candidate Starts for Ganymede_13:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: GardenB_6 Start: 4714, Stop: 5703, Start Num: 8

Candidate Starts for GardenB_6:

(Start: 8 @4714 has 416 MA's), (20, 4831), (29, 4921), (34, 4975), (49, 5074), (56, 5137), (72, 5242), (75, 5263), (101, 5437), (103, 5443), (106, 5464), (114, 5557), (118, 5584),

Gene: Garey24_6 Start: 4713, Stop: 5639, Start Num: 7

Candidate Starts for Garey24_6:

(Start: 7 @4713 has 10 MA's), (20, 4830), (23, 4851), (27, 4887), (35, 4980), (36, 4986), (37, 4992), (47, 5052), (56, 5136), (76, 5250), (95, 5376), (105, 5442), (114, 5526), (118, 5553), (132, 5628),

Gene: Gargoyle_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Gargoyle_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Gelo_6 Start: 4711, Stop: 5637, Start Num: 7

Candidate Starts for Gelo_6:

(Start: 7 @4711 has 10 MA's), (20, 4828), (23, 4849), (27, 4885), (35, 4978), (36, 4984), (37, 4990), (47, 5050), (56, 5134), (76, 5248), (95, 5374), (100, 5413), (105, 5440), (114, 5524), (118, 5551), (132, 5626),

Gene: Gengar_11 Start: 7980, Stop: 8912, Start Num: 8

Candidate Starts for Gengar_11:

(Start: 8 @7980 has 416 MA's), (20, 8097), (24, 8124), (29, 8184), (31, 8220), (33, 8226), (41, 8292), (52, 8355), (78, 8532), (114, 8790), (115, 8793), (119, 8826), (123, 8850),

Gene: Geraldini_13 Start: 7951, Stop: 8889, Start Num: 8

Candidate Starts for Geraldini_13:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (27, 8125), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: Gershwin_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for Gershwin_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: Girafales_7 Start: 5002, Stop: 5910, Start Num: 8

Candidate Starts for Girafales_7:

(Start: 8 @5002 has 416 MA's), (17, 5092), (18, 5095), (20, 5119), (27, 5176), (29, 5206), (38, 5290), (54, 5407), (74, 5539), (81, 5581), (103, 5698), (104, 5701), (109, 5746), (114, 5800), (116, 5815), (119, 5836),

Gene: Glamour_5 Start: 4886, Stop: 5827, Start Num: 8

Candidate Starts for Glamour_5:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (27, 5060), (47, 5225), (56, 5309), (72, 5408), (106, 5630), (114, 5711), (136, 5816),

Gene: GlobiWarming_6 Start: 5551, Stop: 6534, Start Num: 3

Candidate Starts for GlobiWarming_6:

(Start: 3 @5551 has 9 MA's), (4, 5575), (13, 5653), (27, 5767), (40, 5887), (44, 5908), (51, 5953), (92, 6238), (94, 6250), (102, 6304), (114, 6424),

Gene: Golden_6 Start: 4803, Stop: 5765, Start Num: 8

Candidate Starts for Golden_6:

(Start: 8 @4803 has 416 MA's), (19, 4914), (20, 4920), (23, 4941), (27, 4977), (30, 5028), (51, 5178), (53, 5190), (96, 5484), (109, 5574), (114, 5628), (115, 5631), (118, 5655),

Gene: Greenlvy_8 Start: 5188, Stop: 6168, Start Num: 8

Candidate Starts for Greenlvy_8:

(Start: 8 @5188 has 416 MA's), (19, 5299), (20, 5305), (23, 5326), (27, 5362), (36, 5461), (47, 5527), (60, 5644), (71, 5713), (72, 5716), (99, 5902), (103, 5917), (105, 5935), (114, 6019), (115, 6022), (137, 6163),

Gene: Greys_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Greys_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Guanica15_13 Start: 6888, Stop: 7817, Start Num: 8

Candidate Starts for Guanica15_13:

(Start: 8 @6888 has 416 MA's), (17, 6978), (20, 7005), (35, 7152), (37, 7164), (38, 7176), (52, 7263), (69, 7377), (100, 7575), (107, 7614), (114, 7698), (115, 7701), (119, 7734), (123, 7758), (128, 7785), (132, 7800),

Gene: Gubbabump_6 Start: 4710, Stop: 5636, Start Num: 8

Candidate Starts for Gubbabump_6:

(Start: 8 @4710 has 416 MA's), (20, 4827), (23, 4848), (27, 4884), (35, 4977), (36, 4983), (37, 4989), (47, 5049), (56, 5133), (76, 5247), (95, 5373), (105, 5439), (114, 5523), (118, 5550), (132, 5625),

Gene: Guetzie_6 Start: 4803, Stop: 5753, Start Num: 8

Candidate Starts for Guetzie_6:

(Start: 8 @4803 has 416 MA's), (19, 4914), (20, 4920), (23, 4941), (27, 4977), (30, 5028), (51, 5178), (53, 5190), (72, 5325), (109, 5574), (114, 5628), (115, 5631), (118, 5655),

Gene: Guey18_44 Start: 15517, Stop: 16491, Start Num: 8

Candidate Starts for Guey18_44:

(Start: 8 @15517 has 416 MA's), (15, 15589), (17, 15607), (20, 15634), (46, 15850), (59, 15967), (72, 16036), (86, 16144), (87, 16171), (90, 16192), (104, 16273), (107, 16300), (114, 16372), (115, 16375), (120, 16411),

Gene: Guillsminger_11 Start: 7955, Stop: 8887, Start Num: 8

Candidate Starts for Guillsminger_11:

(Start: 8 @7955 has 416 MA's), (20, 8072), (24, 8099), (29, 8159), (31, 8195), (33, 8201), (41, 8267), (52, 8330), (78, 8507), (114, 8765), (115, 8768), (119, 8801), (123, 8825),

Gene: HairyMan_7 Start: 4836, Stop: 5825, Start Num: 8

Candidate Starts for HairyMan_7:

(Start: 8 @4836 has 416 MA's), (14, 4899), (20, 4953), (21, 4965), (23, 4974), (27, 5010), (29, 5043), (30, 5061), (56, 5259), (66, 5316), (83, 5427), (114, 5673), (118, 5700), (130, 5772),

Gene: Hamlet_6 Start: 4714, Stop: 5694, Start Num: 8

Candidate Starts for Hamlet_6:

(Start: 8 @4714 has 416 MA's), (20, 4831), (29, 4921), (30, 4939), (34, 4975), (49, 5074), (56, 5137), (72, 5242), (75, 5263), (76, 5269), (108, 5485), (114, 5545), (118, 5572),

Gene: Hammy_12 Start: 7818, Stop: 8747, Start Num: 8

Candidate Starts for Hammy_12:

(Start: 8 @7818 has 416 MA's), (17, 7908), (20, 7935), (24, 7962), (37, 8094), (46, 8151), (56, 8238), (59, 8268), (69, 8307), (83, 8406), (105, 8532), (107, 8544), (109, 8562), (114, 8628), (115, 8631), (123, 8688),

Gene: HanSolo_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for HanSolo_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: HankSprout_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for HankSprout_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Hasitha_8 Start: 5185, Stop: 6165, Start Num: 8

Candidate Starts for Hasitha_8:

(Start: 8 @5185 has 416 MA's), (19, 5296), (20, 5302), (23, 5323), (36, 5458), (41, 5500), (47, 5524), (60, 5641), (71, 5710), (72, 5713), (99, 5899), (103, 5914), (105, 5932), (114, 6016), (115, 6019), (137, 6160),

Gene: HedwigODU_13 Start: 7931, Stop: 8869, Start Num: 8

Candidate Starts for HedwigODU_13:

(Start: 8 @7931 has 416 MA's), (17, 8021), (20, 8048), (35, 8195), (37, 8207), (38, 8219), (52, 8306), (62, 8390), (69, 8420), (100, 8618), (107, 8657), (114, 8741), (115, 8744), (119, 8777), (123, 8801), (132, 8843),

Gene: Heftyboy_11 Start: 8082, Stop: 9014, Start Num: 8

Candidate Starts for Heftyboy_11:

(Start: 8 @8082 has 416 MA's), (20, 8199), (24, 8226), (29, 8286), (31, 8322), (33, 8328), (41, 8394), (52, 8457), (78, 8634), (114, 8892), (115, 8895), (119, 8928), (123, 8952),

Gene: Hegedechwinu_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Hegedechwinu_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (19, 5118), (20, 5124), (26, 5163), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (103, 5703), (104, 5706), (105, 5721), (109, 5751), (114, 5805), (119, 5841),

Gene: HerculesXL_9 Start: 5573, Stop: 6568, Start Num: 8

Candidate Starts for HerculesXL_9:

(Start: 8 @5573 has 416 MA's), (19, 5684), (20, 5690), (23, 5711), (35, 5840), (36, 5846), (37, 5852), (41, 5888), (47, 5912), (49, 5933), (51, 5948), (75, 6122), (99, 6287), (103, 6302), (105, 6320), (114, 6416), (115, 6419),

Gene: Homura_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Homura_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: HotPotato_6 Start: 5556, Stop: 6539, Start Num: 3

Candidate Starts for HotPotato_6:

(Start: 3 @5556 has 9 MA's), (4, 5580), (13, 5658), (27, 5772), (37, 5862), (40, 5892), (44, 5913), (51, 5958), (92, 6243), (94, 6255), (102, 6309), (114, 6429),

Gene: HungryHenry_6 Start: 4709, Stop: 5635, Start Num: 8

Candidate Starts for HungryHenry_6:

(Start: 8 @4709 has 416 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (56, 5132), (76, 5246), (95, 5372), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: Hurricane_12 Start: 7958, Stop: 8881, Start Num: 8

Candidate Starts for Hurricane_12:

(Start: 8 @7958 has 416 MA's), (17, 8048), (20, 8075), (24, 8102), (37, 8234), (41, 8270), (46, 8291), (51, 8330), (57, 8390), (85, 8570), (105, 8672), (107, 8684), (109, 8702), (114, 8768), (129, 8858),

Gene: Hyperbowlee_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Hyperbowlee_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Illumine_13 Start: 7930, Stop: 8865, Start Num: 8

Candidate Starts for Illumine_13:

(Start: 8 @7930 has 416 MA's), (17, 8020), (20, 8047), (35, 8194), (37, 8206), (38, 8218), (52, 8305), (69, 8419), (100, 8617), (107, 8656), (109, 8674), (114, 8740), (115, 8743), (119, 8776), (120, 8779), (123, 8800), (132, 8842),

Gene: Ilzat_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Ilzat_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Inky_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Inky_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Inventa_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Inventa_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: InvictusManeo_11 Start: 8104, Stop: 9024, Start Num: 8

Candidate Starts for InvictusManeo_11:

(Start: 8 @8104 has 416 MA's), (20, 8221), (24, 8248), (29, 8308), (31, 8344), (33, 8350), (37, 8380), (41, 8416), (52, 8479), (54, 8509), (114, 8914), (115, 8917), (119, 8950), (123, 8974),

Gene: Ioannes_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Ioannes_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Ixel_8 Start: 5124, Stop: 6119, Start Num: 8

Candidate Starts for Ixel_8:

(Start: 8 @5124 has 416 MA's), (17, 5214), (19, 5235), (20, 5241), (21, 5253), (23, 5262), (35, 5391), (36, 5397), (37, 5403), (41, 5439), (47, 5463), (51, 5499), (96, 5811), (99, 5838), (103, 5853), (108, 5895), (114, 5967),

Gene: JAWS_13 Start: 7928, Stop: 8863, Start Num: 8

Candidate Starts for JAWS_13:

(Start: 8 @7928 has 416 MA's), (17, 8018), (20, 8045), (35, 8192), (37, 8204), (38, 8216), (52, 8303), (62, 8387), (69, 8417), (100, 8615), (107, 8654), (114, 8738), (115, 8741), (119, 8774), (123, 8798), (132, 8840),

Gene: JF1_14 Start: 9164, Stop: 10093, Start Num: 8

Candidate Starts for JF1_14:

(Start: 8 @9164 has 416 MA's), (17, 9254), (19, 9275), (20, 9281), (24, 9308), (29, 9368), (40, 9470), (41, 9476), (51, 9536), (56, 9584), (57, 9596), (69, 9653), (78, 9716), (81, 9743), (98, 9836), (107, 9890), (109, 9908), (114, 9974), (123, 10034),

Gene: JacoRen57_6 Start: 5476, Stop: 6447, Start Num: 5

Candidate Starts for JacoRen57_6:

(Start: 5 @5476 has 4 MA's), (11, 5527), (20, 5611), (22, 5626), (27, 5668), (30, 5704), (32, 5725), (36, 5752), (39, 5773), (41, 5794), (50, 5842), (67, 5959), (72, 5986), (73, 5992), (75, 6007), (89, 6118), (97, 6169), (113, 6307), (117, 6337), (128, 6415),

Gene: JalFarm20_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for JalFarm20_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Janus167_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Janus167_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Jarvi_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Jarvi_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: JasonD_8 Start: 4985, Stop: 5977, Start Num: 8

Candidate Starts for JasonD_8:

(Start: 8 @4985 has 416 MA's), (20, 5102), (27, 5159), (29, 5192), (34, 5246), (37, 5264), (75, 5534), (103, 5714), (106, 5735), (108, 5756), (114, 5828), (118, 5855),

Gene: JasperRussell_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for JasperRussell_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Jayhawk_13 Start: 7932, Stop: 8870, Start Num: 8

Candidate Starts for Jayhawk_13:

(Start: 8 @7932 has 416 MA's), (17, 8022), (20, 8049), (35, 8196), (37, 8208), (38, 8220), (52, 8307), (62, 8391), (69, 8421), (100, 8619), (107, 8658), (114, 8742), (115, 8745), (119, 8778), (123, 8802), (132, 8844),

Gene: Jeckyll_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Jeckyll_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Jemerald_8 Start: 6059, Stop: 7003, Start Num: 8

Candidate Starts for Jemerald_8:

(2, 5966), (Start: 8 @6059 has 416 MA's), (14, 6122), (20, 6176), (21, 6188), (23, 6197), (33, 6308), (49, 6419), (51, 6434), (56, 6482), (72, 6569), (102, 6767), (106, 6791), (114, 6884), (115, 6887), (132, 6992),

Gene: Jenos_8 Start: 5321, Stop: 6310, Start Num: 8

Candidate Starts for Jenos_8:

(Start: 8 @5321 has 416 MA's), (20, 5438), (27, 5495), (29, 5528), (34, 5582), (37, 5600), (49, 5681), (56, 5744), (75, 5870), (103, 6050), (106, 6071), (108, 6092), (114, 6164), (115, 6167), (118, 6191),

Gene: Jerbirus_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Jerbirus_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: JeriBeth_6 Start: 4708, Stop: 5634, Start Num: 7

Candidate Starts for JeriBeth_6:

(Start: 7 @4708 has 10 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Jingles_6 Start: 4718, Stop: 5671, Start Num: 8

Candidate Starts for Jingles_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (27, 4892), (29, 4925), (51, 5093), (53, 5105), (72, 5240), (75, 5261), (114, 5543), (115, 5546), (118, 5570),

Gene: Job42_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Job42_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Joy99_13 Start: 7900, Stop: 8835, Start Num: 8

Candidate Starts for Joy99_13:

(Start: 8 @7900 has 416 MA's), (17, 7990), (20, 8017), (35, 8164), (37, 8176), (38, 8188), (52, 8275), (62, 8359), (69, 8389), (100, 8587), (107, 8626), (109, 8644), (114, 8710), (115, 8713), (119, 8746), (123, 8770), (132, 8812),

Gene: Juanyo_6 Start: 5026, Stop: 5967, Start Num: 8

Candidate Starts for Juanyo_6:

(Start: 8 @5026 has 416 MA's), (20, 5143), (21, 5155), (23, 5164), (27, 5200), (29, 5233), (47, 5365), (103, 5749), (106, 5770), (114, 5851), (134, 5956),

Gene: Judy_6 Start: 5595, Stop: 6578, Start Num: 3

Candidate Starts for Judy_6:

(Start: 3 @5595 has 9 MA's), (4, 5619), (13, 5697), (27, 5811), (40, 5931), (44, 5952), (51, 5997), (92, 6282), (94, 6294), (102, 6348), (114, 6468),

Gene: Juice456_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Juice456_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (19, 5119), (20, 5125), (26, 5164), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Juicer_8 Start: 6059, Stop: 7003, Start Num: 8

Candidate Starts for Juicer_8:

(2, 5966), (Start: 8 @6059 has 416 MA's), (14, 6122), (20, 6176), (21, 6188), (23, 6197), (33, 6308), (49, 6419), (51, 6434), (56, 6482), (72, 6569), (102, 6767), (106, 6791), (114, 6884), (115, 6887), (132, 6992),

Gene: Juliette_14 Start: 9051, Stop: 9980, Start Num: 8

Candidate Starts for Juliette_14:

(Start: 8 @9051 has 416 MA's), (17, 9141), (19, 9162), (20, 9168), (24, 9195), (29, 9255), (37, 9327), (40, 9357), (41, 9363), (69, 9540), (78, 9603), (81, 9630), (85, 9663), (98, 9723), (107, 9777), (114, 9861), (119, 9897), (123, 9921),

Gene: Kale_6 Start: 4724, Stop: 5650, Start Num: 8

Candidate Starts for Kale_6:

(Start: 8 @4724 has 416 MA's), (20, 4841), (23, 4862), (27, 4898), (35, 4991), (36, 4997), (37, 5003), (47, 5063), (56, 5147), (76, 5261), (95, 5387), (105, 5453), (114, 5537), (118, 5564), (132, 5639),

Gene: KannH_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for KannH_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Karkharias_6 Start: 5552, Stop: 6535, Start Num: 3

Candidate Starts for Karkharias_6:

(Start: 3 @5552 has 9 MA's), (4, 5576), (13, 5654), (27, 5768), (40, 5888), (44, 5909), (51, 5954), (92, 6239), (94, 6251), (102, 6305), (114, 6425),

Gene: KatChan_8 Start: 5187, Stop: 6140, Start Num: 8

Candidate Starts for KatChan_8:

(Start: 8 @5187 has 416 MA's), (19, 5298), (20, 5304), (23, 5325), (24, 5331), (27, 5361), (47, 5526), (51, 5562), (59, 5640), (72, 5715), (101, 5910), (114, 6018), (115, 6021), (128, 6111),

Gene: Kauala_6 Start: 4718, Stop: 5671, Start Num: 8

Candidate Starts for Kauala_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (27, 4892), (29, 4925), (30, 4943), (53, 5105), (72, 5240), (109, 5489), (114, 5543), (115, 5546), (118, 5570),

Gene: KayMoney_6 Start: 5552, Stop: 6535, Start Num: 3

Candidate Starts for KayMoney_6:

(Start: 3 @5552 has 9 MA's), (4, 5576), (13, 5654), (27, 5768), (40, 5888), (44, 5909), (51, 5954), (94, 6251), (102, 6305), (114, 6425),

Gene: Keelan_37 Start: 14299, Stop: 15273, Start Num: 8

Candidate Starts for Keelan_37:

(Start: 8 @14299 has 416 MA's), (15, 14371), (17, 14389), (20, 14416), (46, 14632), (72, 14818), (86, 14926), (87, 14953), (90, 14974), (97, 15022), (104, 15055), (105, 15070), (114, 15154), (115, 15157), (120, 15193),

Gene: Keshu_12 Start: 7945, Stop: 8868, Start Num: 8

Candidate Starts for Keshu_12:

(Start: 8 @7945 has 416 MA's), (17, 8035), (20, 8062), (24, 8089), (37, 8221), (41, 8257), (46, 8278), (51, 8317), (85, 8557), (105, 8659), (107, 8671), (109, 8689), (114, 8755), (129, 8845),

Gene: KiSi_12 Start: 6805, Stop: 7728, Start Num: 8

Candidate Starts for KiSi_12:

(Start: 8 @6805 has 416 MA's), (19, 6916), (20, 6922), (24, 6949), (35, 7069), (37, 7081), (38, 7093), (40, 7111), (52, 7180), (54, 7210), (56, 7225), (59, 7255), (69, 7294), (73, 7330), (107, 7531), (114, 7615), (115, 7618), (119, 7651), (123, 7675),

Gene: Kimberlium_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Kimberlium_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (19, 5119), (20, 5125), (26, 5164), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: KingJulien_6 Start: 4705, Stop: 5697, Start Num: 8

Candidate Starts for KingJulien_6:

(Start: 8 @4705 has 416 MA's), (20, 4822), (27, 4879), (34, 4966), (49, 5065), (72, 5233), (75, 5254), (76, 5260), (101, 5428), (105, 5452), (108, 5476), (114, 5548), (115, 5551),

Gene: Kingsley_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Kingsley_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: Klimt_6 Start: 4709, Stop: 5635, Start Num: 7

Candidate Starts for Klimt_6:

(Start: 7 @4709 has 10 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (56, 5132), (76, 5246), (95, 5372), (100, 5411), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: Knox_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Knox_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Koji_6 Start: 4718, Stop: 5686, Start Num: 8

Candidate Starts for Koji_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (27, 4892), (30, 4943), (51, 5093), (53, 5105), (72, 5240), (75, 5261), (109, 5489), (114, 5543), (115, 5546),

Gene: Kratio_10 Start: 7731, Stop: 8651, Start Num: 8

Candidate Starts for Kratio_10:

(Start: 8 @7731 has 416 MA's), (20, 7848), (24, 7875), (29, 7935), (31, 7971), (33, 7977), (37, 8007), (41, 8043), (52, 8106), (54, 8136), (114, 8541), (115, 8544), (119, 8577), (123, 8601),

Gene: Kraw_14 Start: 9084, Stop: 10013, Start Num: 8

Candidate Starts for Kraw_14:

(Start: 8 @9084 has 416 MA's), (17, 9174), (19, 9195), (20, 9201), (24, 9228), (29, 9288), (40, 9390), (41, 9396), (51, 9456), (56, 9504), (57, 9516), (69, 9573), (78, 9636), (81, 9663), (98, 9756), (107, 9810), (109, 9828), (114, 9894), (119, 9930), (123, 9954),

Gene: Krueger_12 Start: 6865, Stop: 7788, Start Num: 8

Candidate Starts for Krueger_12:

(Start: 8 @6865 has 416 MA's), (20, 6982), (24, 7009), (35, 7129), (37, 7141), (38, 7153), (102, 7558), (107, 7591), (109, 7609), (114, 7675), (115, 7678), (119, 7711), (123, 7735), (128, 7762),

Gene: Kurt1_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Kurt1_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Larva_11 Start: 7861, Stop: 8793, Start Num: 8

Candidate Starts for Larva_11:

(Start: 8 @7861 has 416 MA's), (20, 7978), (24, 8005), (29, 8065), (31, 8101), (33, 8107), (37, 8137), (41, 8173), (52, 8236), (54, 8266), (114, 8671), (115, 8674), (123, 8731),

Gene: LastHope_13 Start: 6959, Stop: 7888, Start Num: 8

Candidate Starts for LastHope_13:

(Start: 8 @6959 has 416 MA's), (17, 7049), (20, 7076), (29, 7163), (35, 7223), (37, 7235), (38, 7247), (57, 7391), (62, 7418), (69, 7448), (102, 7652), (107, 7685), (114, 7769), (115, 7772), (119, 7805), (123, 7829), (132, 7871),

Gene: LaterM_13 Start: 7898, Stop: 8833, Start Num: 8

Candidate Starts for LaterM_13:

(Start: 8 @7898 has 416 MA's), (17, 7988), (20, 8015), (30, 8120), (35, 8162), (37, 8174), (38, 8186), (52, 8273), (69, 8387), (100, 8585), (107, 8624), (109, 8642), (114, 8708), (115, 8711), (119, 8744), (123, 8768), (132, 8810),

Gene: LeMond_12 Start: 6805, Stop: 7728, Start Num: 8

Candidate Starts for LeMond_12:

(Start: 8 @6805 has 416 MA's), (19, 6916), (20, 6922), (24, 6949), (35, 7069), (37, 7081), (38, 7093), (40, 7111), (52, 7180), (54, 7210), (56, 7225), (59, 7255), (69, 7294), (73, 7330), (107, 7531), (114, 7615), (115, 7618), (119, 7651), (123, 7675),

Gene: Lea83_13 Start: 7945, Stop: 8868, Start Num: 8

Candidate Starts for Lea83_13:

(Start: 8 @7945 has 416 MA's), (17, 8035), (20, 8062), (24, 8089), (37, 8221), (41, 8257), (46, 8278), (51, 8317), (57, 8377), (85, 8557), (105, 8659), (107, 8671), (109, 8689), (114, 8755), (129, 8845),

Gene: Leafus_6 Start: 4852, Stop: 5844, Start Num: 8

Candidate Starts for Leafus_6:

(Start: 8 @4852 has 416 MA's), (20, 4969), (27, 5026), (34, 5113), (37, 5131), (49, 5212), (72, 5380), (75, 5401), (76, 5407), (101, 5575), (105, 5599), (108, 5623), (114, 5695), (115, 5698),

Gene: Lebo14_14 Start: 9178, Stop: 10107, Start Num: 8

Candidate Starts for Lebo14_14:

(Start: 8 @9178 has 416 MA's), (17, 9268), (19, 9289), (20, 9295), (24, 9322), (29, 9382), (40, 9484), (41, 9490), (51, 9550), (57, 9610), (69, 9667), (78, 9730), (81, 9757), (98, 9850), (107, 9904), (109, 9922), (114, 9988), (123, 10048),

Gene: Leozinho_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Leozinho_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Leston_11 Start: 8085, Stop: 9017, Start Num: 8

Candidate Starts for Leston_11:

(Start: 8 @8085 has 416 MA's), (20, 8202), (24, 8229), (29, 8289), (31, 8325), (33, 8331), (41, 8397), (52, 8460), (78, 8637), (114, 8895), (115, 8898), (119, 8931), (123, 8955),

Gene: Librie_8 Start: 5185, Stop: 6165, Start Num: 8

Candidate Starts for Librie_8:

(Start: 8 @5185 has 416 MA's), (19, 5296), (20, 5302), (23, 5323), (27, 5359), (36, 5458), (41, 5500), (47, 5524), (60, 5641), (71, 5710), (72, 5713), (99, 5899), (103, 5914), (105, 5932), (114, 6016), (115, 6019), (137, 6160),

Gene: LilPharaoh_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for LilPharaoh_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: LilTerminator_8 Start: 5197, Stop: 6177, Start Num: 8

Candidate Starts for LilTerminator_8:

(Start: 8 @5197 has 416 MA's), (19, 5308), (20, 5314), (23, 5335), (36, 5470), (41, 5512), (47, 5536), (60, 5653), (71, 5722), (72, 5725), (99, 5911), (103, 5926), (105, 5944), (114, 6028), (115, 6031), (137, 6172),

Gene: LindNT_13 Start: 7898, Stop: 8833, Start Num: 8

Candidate Starts for LindNT_13:

(Start: 8 @7898 has 416 MA's), (17, 7988), (20, 8015), (35, 8162), (37, 8174), (38, 8186), (52, 8273), (69, 8387), (100, 8585), (107, 8624), (109, 8642), (114, 8708), (115, 8711), (119, 8744), (123, 8768), (132, 8810),

Gene: LittleShirley_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for LittleShirley_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Llorens_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Llorens_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Lorde_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Lorde_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Lovelyunicorn_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Lovelyunicorn_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Lucky3_6 Start: 4803, Stop: 5765, Start Num: 8

Candidate Starts for Lucky3_6:

(Start: 8 @4803 has 416 MA's), (19, 4914), (20, 4920), (23, 4941), (27, 4977), (30, 5028), (51, 5178), (53, 5190), (96, 5484), (109, 5574), (114, 5628), (115, 5631), (118, 5655),

Gene: Ludgate_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Ludgate_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Luna18_8 Start: 5187, Stop: 6140, Start Num: 8

Candidate Starts for Luna18_8:

(Start: 8 @5187 has 416 MA's), (19, 5298), (20, 5304), (23, 5325), (24, 5331), (27, 5361), (47, 5526), (51, 5562), (59, 5640), (72, 5715), (101, 5910), (114, 6018), (115, 6021), (128, 6111),

Gene: Lunahalos_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Lunahalos_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: MCubed_6 Start: 4889, Stop: 5845, Start Num: 8

Candidate Starts for MCubed_6:

(Start: 8 @4889 has 416 MA's), (16, 4976), (20, 5006), (21, 5018), (23, 5027), (29, 5096), (47, 5228), (56, 5312), (72, 5411), (75, 5432), (106, 5633), (114, 5714),

Gene: MacKat_13 Start: 7951, Stop: 8886, Start Num: 8

Candidate Starts for MacKat_13:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: MacnCheese_13 Start: 8170, Stop: 9093, Start Num: 8

Candidate Starts for MacnCheese_13:

(Start: 8 @8170 has 416 MA's), (17, 8260), (20, 8287), (24, 8314), (37, 8446), (41, 8482), (46, 8503), (51, 8542), (62, 8629), (85, 8782), (107, 8896), (109, 8914), (114, 8980), (119, 9016), (129, 9070),

Gene: Maco6_7 Start: 5705, Stop: 6694, Start Num: 5

Candidate Starts for Maco6_7:

(Start: 5 @5705 has 4 MA's), (13, 5780), (19, 5831), (20, 5837), (27, 5894), (32, 5951), (36, 5978), (50, 6068), (67, 6185), (68, 6191), (82, 6275), (97, 6395), (106, 6446), (113, 6533), (122, 6596),

Gene: Madiba_7 Start: 5006, Stop: 5914, Start Num: 8

Candidate Starts for Madiba_7:

(Start: 8 @5006 has 416 MA's), (17, 5096), (18, 5099), (20, 5123), (27, 5180), (29, 5210), (38, 5294), (54, 5411), (74, 5543), (81, 5585), (103, 5702), (104, 5705), (109, 5750), (114, 5804), (116, 5819), (119, 5840),

Gene: MaeLinda_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for MaeLinda_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Malthus_14 Start: 9084, Stop: 10013, Start Num: 8

Candidate Starts for Malthus_14:

(Start: 8 @9084 has 416 MA's), (17, 9174), (19, 9195), (20, 9201), (24, 9228), (29, 9288), (40, 9390), (41, 9396), (51, 9456), (56, 9504), (57, 9516), (69, 9573), (78, 9636), (81, 9663), (98, 9756), (107, 9810), (109, 9828), (114, 9894), (119, 9930), (123, 9954),

Gene: ManRay_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for ManRay_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: Mandalorian_6 Start: 5021, Stop: 5977, Start Num: 8

Candidate Starts for Mandalorian_6:

(Start: 8 @5021 has 416 MA's), (20, 5138), (21, 5150), (23, 5159), (24, 5165), (27, 5195), (51, 5396), (56, 5444), (72, 5543), (96, 5702), (100, 5735), (103, 5744), (114, 5846), (115, 5849),

Gene: Marcoliusprime_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for Marcoliusprime_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: MarkPhew_12 Start: 6704, Stop: 7627, Start Num: 8

Candidate Starts for MarkPhew_12:

(Start: 8 @6704 has 416 MA's), (19, 6815), (20, 6821), (24, 6848), (35, 6968), (37, 6980), (38, 6992), (52, 7079), (54, 7109), (73, 7229), (107, 7430), (109, 7448), (114, 7514), (115, 7517), (119, 7550), (121, 7559), (123, 7574),

Gene: Marker_7 Start: 5006, Stop: 5914, Start Num: 8

Candidate Starts for Marker_7:

(Start: 8 @5006 has 416 MA's), (17, 5096), (18, 5099), (20, 5123), (27, 5180), (29, 5210), (38, 5294), (54, 5411), (74, 5543), (81, 5585), (103, 5702), (104, 5705), (109, 5750), (114, 5804), (116, 5819), (119, 5840),

Gene: Marshawn_14 Start: 7351, Stop: 8274, Start Num: 8

Candidate Starts for Marshawn_14:

(Start: 8 @7351 has 416 MA's), (17, 7441), (19, 7462), (20, 7468), (24, 7495), (35, 7615), (37, 7627), (38, 7639), (52, 7726), (54, 7756), (100, 8038), (107, 8077), (109, 8095), (114, 8161), (115, 8164),

(119, 8197), (121, 8206), (123, 8221),

Gene: Martin_7 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Martin_7:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: McGalleon_7 Start: 5422, Stop: 6414, Start Num: 8

Candidate Starts for McGalleon_7:

(Start: 8 @5422 has 416 MA's), (20, 5539), (27, 5596), (29, 5629), (34, 5683), (37, 5701), (75, 5971), (103, 6151), (106, 6172), (108, 6193), (114, 6265), (115, 6268), (118, 6292), (137, 6409),

Gene: McMater_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for McMater_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882), (126, 7903),

Gene: Mdavu_9 Start: 7213, Stop: 8133, Start Num: 8

Candidate Starts for Mdavu_9:

(Start: 8 @7213 has 416 MA's), (20, 7330), (24, 7357), (28, 7408), (35, 7477), (37, 7489), (41, 7525), (59, 7663), (62, 7672), (69, 7702), (83, 7801), (98, 7885), (102, 7906), (105, 7927), (107, 7939), (114, 8023), (119, 8059), (128, 8110), (129, 8113),

Gene: MeaningOfLife_13 Start: 7904, Stop: 8842, Start Num: 8

Candidate Starts for MeaningOfLife_13:

(Start: 8 @7904 has 416 MA's), (17, 7994), (20, 8021), (35, 8168), (37, 8180), (38, 8192), (52, 8279), (62, 8363), (69, 8393), (100, 8591), (107, 8630), (114, 8714), (115, 8717), (119, 8750), (123, 8774), (132, 8816),

Gene: Megsy_13 Start: 7901, Stop: 8836, Start Num: 8

Candidate Starts for Megsy_13:

(Start: 8 @7901 has 416 MA's), (17, 7991), (20, 8018), (35, 8165), (37, 8177), (38, 8189), (52, 8276), (69, 8390), (100, 8588), (107, 8627), (109, 8645), (114, 8711), (115, 8714), (119, 8747), (123, 8771), (132, 8813),

Gene: Mercedes_7 Start: 4939, Stop: 5892, Start Num: 8

Candidate Starts for Mercedes_7:

(Start: 8 @4939 has 416 MA's), (19, 5050), (20, 5056), (23, 5077), (24, 5083), (27, 5113), (30, 5164), (43, 5266), (58, 5389), (72, 5467), (101, 5662), (105, 5686), (114, 5770), (115, 5773),

Gene: Milly_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for Milly_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (30, 6169), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: MillyPhilly_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for MillyPhilly_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Miryou_11 Start: 7954, Stop: 8886, Start Num: 8

Candidate Starts for Miryou_11:

(Start: 8 @7954 has 416 MA's), (20, 8071), (24, 8098), (29, 8158), (31, 8194), (33, 8200), (41, 8266), (52, 8329), (54, 8359), (78, 8506), (114, 8764), (115, 8767), (119, 8800), (123, 8824),

Gene: Misha28_7 Start: 5011, Stop: 5919, Start Num: 8

Candidate Starts for Misha28_7:

(Start: 8 @5011 has 416 MA's), (17, 5101), (18, 5104), (20, 5128), (27, 5185), (29, 5215), (38, 5299), (51, 5383), (54, 5416), (74, 5548), (81, 5590), (103, 5707), (104, 5710), (109, 5755), (114, 5809), (116, 5824), (119, 5845),

Gene: MissDaisy_14 Start: 8950, Stop: 9879, Start Num: 8

Candidate Starts for MissDaisy_14:

(Start: 8 @8950 has 416 MA's), (17, 9040), (19, 9061), (20, 9067), (24, 9094), (29, 9154), (40, 9256), (41, 9262), (57, 9382), (69, 9439), (81, 9529), (98, 9622), (107, 9676), (109, 9694), (114, 9760), (123, 9820),

Gene: Mitti_14 Start: 9088, Stop: 10017, Start Num: 8

Candidate Starts for Mitti_14:

(Start: 8 @9088 has 416 MA's), (17, 9178), (19, 9199), (20, 9205), (24, 9232), (29, 9292), (40, 9394), (41, 9400), (51, 9460), (57, 9520), (69, 9577), (78, 9640), (81, 9667), (98, 9760), (107, 9814), (109, 9832), (114, 9898), (123, 9958),

Gene: MonChoix_6 Start: 4728, Stop: 5654, Start Num: 8

Candidate Starts for MonChoix_6:

(Start: 8 @4728 has 416 MA's), (20, 4845), (23, 4866), (27, 4902), (35, 4995), (36, 5001), (37, 5007), (47, 5067), (56, 5151), (95, 5391), (105, 5457), (114, 5541), (118, 5568), (132, 5643),

Gene: Morrigan_8 Start: 6094, Stop: 7047, Start Num: 8

Candidate Starts for Morrigan_8:

(Start: 8 @6094 has 416 MA's), (19, 6205), (20, 6211), (23, 6232), (24, 6238), (27, 6268), (47, 6433), (51, 6469), (59, 6547), (72, 6622), (101, 6817), (106, 6844), (108, 6865), (114, 6925), (115, 6928), (128, 7018),

Gene: Mova_7 Start: 5009, Stop: 5917, Start Num: 8

Candidate Starts for Mova_7:

(Start: 8 @5009 has 416 MA's), (17, 5099), (18, 5102), (20, 5126), (27, 5183), (29, 5213), (38, 5297), (54, 5414), (74, 5546), (81, 5588), (103, 5705), (104, 5708), (109, 5753), (114, 5807), (116, 5822), (119, 5843),

Gene: Mozy_7 Start: 5004, Stop: 5912, Start Num: 8

Candidate Starts for Mozy_7:

(Start: 8 @5004 has 416 MA's), (19, 5115), (20, 5121), (27, 5178), (29, 5208), (38, 5292), (51, 5376), (54, 5409), (72, 5523), (74, 5541), (103, 5700), (104, 5703), (105, 5718), (109, 5748), (111, 5772), (114, 5802),

Gene: MrWorldwide_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for MrWorldwide_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Muddy_9 Start: 6658, Stop: 7647, Start Num: 5

Candidate Starts for Muddy_9:

(Start: 5 @6658 has 4 MA's), (13, 6733), (19, 6784), (20, 6790), (27, 6847), (32, 6904), (36, 6931), (50, 7021), (67, 7138), (68, 7144), (82, 7228), (97, 7348), (106, 7399), (113, 7486), (122, 7549),

Gene: Mufasa_9 Start: 5933, Stop: 6850, Start Num: 8

Candidate Starts for Mufasa_9:

(Start: 8 @5933 has 416 MA's), (19, 6044), (20, 6050), (24, 6077), (30, 6155), (37, 6209), (40, 6239), (41, 6245), (57, 6365), (85, 6545), (102, 6626), (105, 6647), (107, 6659), (114, 6743), (119, 6779), (121, 6788), (129, 6833),

Gene: MulchExplorer_8 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for MulchExplorer_8:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (19, 5119), (20, 5125), (26, 5164), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Murucutumbu_13 Start: 7891, Stop: 8826, Start Num: 8

Candidate Starts for Murucutumbu_13:

(Start: 8 @7891 has 416 MA's), (17, 7981), (20, 8008), (30, 8113), (35, 8155), (37, 8167), (38, 8179), (52, 8266), (69, 8380), (100, 8578), (107, 8617), (109, 8635), (114, 8701), (115, 8704), (119, 8737), (123, 8761), (132, 8803),

Gene: Mynx_13 Start: 7954, Stop: 8889, Start Num: 8

Candidate Starts for Mynx_13:

(Start: 8 @7954 has 416 MA's), (17, 8044), (20, 8071), (35, 8218), (37, 8230), (38, 8242), (52, 8329), (62, 8413), (69, 8443), (100, 8641), (107, 8680), (114, 8764), (115, 8767), (119, 8800), (123, 8824), (132, 8866),

Gene: Nagem_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Nagem_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Nattles_6 Start: 4713, Stop: 5639, Start Num: 7

Candidate Starts for Nattles_6:

(Start: 7 @4713 has 10 MA's), (20, 4830), (23, 4851), (27, 4887), (35, 4980), (36, 4986), (37, 4992), (47, 5052), (56, 5136), (76, 5250), (95, 5376), (105, 5442), (114, 5526), (118, 5553), (132, 5628),

Gene: Nebulous_8 Start: 5916, Stop: 6893, Start Num: 8

Candidate Starts for Nebulous_8:

(Start: 8 @5916 has 416 MA's), (14, 5979), (17, 6006), (19, 6027), (20, 6033), (23, 6054), (47, 6255), (60, 6372), (63, 6381), (72, 6444), (78, 6477), (84, 6525), (99, 6630), (103, 6645), (105, 6663), (114, 6747), (115, 6750), (118, 6774),

Gene: Neferthena_8 Start: 5927, Stop: 6904, Start Num: 8

Candidate Starts for Neferthena_8:

(Start: 8 @5927 has 416 MA's), (17, 6017), (19, 6038), (20, 6044), (23, 6065), (47, 6266), (51, 6302), (60, 6383), (72, 6455), (78, 6488), (84, 6536), (99, 6641), (103, 6656), (105, 6674), (114, 6758), (115, 6761), (118, 6785), (135, 6872),

Gene: Neighly_11 Start: 7860, Stop: 8792, Start Num: 8

Candidate Starts for Neighly_11:

(Start: 8 @7860 has 416 MA's), (20, 7977), (24, 8004), (29, 8064), (31, 8100), (33, 8106), (37, 8136), (41, 8172), (52, 8235), (54, 8265), (114, 8670), (115, 8673), (123, 8730),

Gene: Nibb_12 Start: 6846, Stop: 7769, Start Num: 8

Candidate Starts for Nibb_12:

(Start: 8 @6846 has 416 MA's), (17, 6936), (19, 6957), (20, 6963), (24, 6990), (35, 7110), (37, 7122), (38, 7134), (52, 7221), (54, 7251), (69, 7335), (73, 7371), (107, 7572), (109, 7590), (114, 7656), (115, 7659), (119, 7692), (121, 7701), (123, 7716),

Gene: NickSell_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for NickSell_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Nikao_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Nikao_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Niklas_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for Niklas_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882),

Gene: NoShow_7 Start: 5701, Stop: 6669, Start Num: 5

Candidate Starts for NoShow_7:

(Start: 5 @5701 has 4 MA's), (11, 5752), (17, 5809), (18, 5812), (19, 5830), (20, 5836), (22, 5851), (27, 5893), (32, 5950), (36, 5977), (39, 5998), (48, 6046), (67, 6184), (72, 6211), (75, 6232), (97, 6394), (100, 6415), (113, 6532), (117, 6562),

Gene: November_11 Start: 7663, Stop: 8595, Start Num: 8

Candidate Starts for November_11:

(Start: 8 @7663 has 416 MA's), (17, 7753), (20, 7780), (35, 7927), (37, 7939), (43, 7987), (54, 8068), (83, 8251), (107, 8389), (109, 8407), (114, 8473), (115, 8476), (119, 8509), (123, 8533), (128, 8560),

Gene: Nucci_6 Start: 5009, Stop: 5965, Start Num: 8

Candidate Starts for Nucci_6:

(Start: 8 @5009 has 416 MA's), (20, 5126), (21, 5138), (23, 5147), (24, 5153), (27, 5183), (51, 5384), (56, 5432), (72, 5531), (96, 5690), (100, 5723), (103, 5732), (114, 5834), (115, 5837),

Gene: Nutello_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Nutello_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Oats_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for Oats_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: OkiRoe_11 Start: 7955, Stop: 8887, Start Num: 8

Candidate Starts for OkiRoe_11:

(Start: 8 @7955 has 416 MA's), (20, 8072), (24, 8099), (29, 8159), (31, 8195), (33, 8201), (41, 8267), (52, 8330), (54, 8360), (78, 8507), (114, 8765), (115, 8768), (119, 8801), (123, 8825),

Gene: Oksu_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Oksu_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: OldNelly_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for OldNelly_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: OmniCritical_14 Start: 9075, Stop: 10004, Start Num: 8

Candidate Starts for OmniCritical_14:

(Start: 8 @9075 has 416 MA's), (17, 9165), (19, 9186), (20, 9192), (24, 9219), (29, 9279), (40, 9381), (41, 9387), (51, 9447), (57, 9507), (69, 9564), (78, 9627), (81, 9654), (98, 9747), (107, 9801), (109, 9819), (114, 9885), (123, 9945),

Gene: Omnicron_11 Start: 6973, Stop: 7905, Start Num: 8

Candidate Starts for Omnicron_11:

(Start: 8 @6973 has 416 MA's), (20, 7090), (24, 7117), (29, 7177), (31, 7213), (33, 7219), (37, 7249), (41, 7285), (52, 7348), (55, 7390), (69, 7462), (78, 7525), (79, 7534), (105, 7687), (114, 7783), (115, 7786), (119, 7819), (123, 7843), (130, 7876),

Gene: Oscar_12 Start: 6806, Stop: 7729, Start Num: 8

Candidate Starts for Oscar_12:

(Start: 8 @6806 has 416 MA's), (19, 6917), (20, 6923), (24, 6950), (35, 7070), (37, 7082), (38, 7094), (52, 7181), (54, 7211), (56, 7226), (59, 7256), (69, 7295), (73, 7331), (107, 7532), (114, 7616), (115, 7619), (119, 7652), (123, 7676),

Gene: OwlsT2W_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for OwlsT2W_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Oxtober96_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Oxtober96_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: PSirce_5 Start: 4885, Stop: 5832, Start Num: 8

Candidate Starts for PSirce_5:

(Start: 8 @4885 has 416 MA's), (16, 4972), (20, 5002), (21, 5014), (23, 5023), (27, 5059), (47, 5224), (56, 5308), (72, 5407), (106, 5629), (114, 5710),

Gene: Padfoot_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Padfoot_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Padpat_13 Start: 7934, Stop: 8869, Start Num: 8

Candidate Starts for Padpat_13:

(Start: 8 @7934 has 416 MA's), (17, 8024), (20, 8051), (35, 8198), (37, 8210), (38, 8222), (52, 8309), (62, 8393), (69, 8423), (100, 8621), (107, 8660), (114, 8744), (115, 8747), (119, 8780), (123, 8804), (132, 8846),

Gene: Pajaza_6 Start: 5146, Stop: 6075, Start Num: 8

Candidate Starts for Pajaza_6:

(Start: 8 @5146 has 416 MA's), (20, 5263), (23, 5284), (24, 5290), (27, 5320), (34, 5401), (35, 5407), (36, 5413), (37, 5419), (47, 5479), (56, 5563), (72, 5650), (75, 5671), (96, 5809), (109, 5899), (114, 5965), (118, 5992),

Gene: Paola_11 Start: 7955, Stop: 8887, Start Num: 8

Candidate Starts for Paola_11:

(Start: 8 @7955 has 416 MA's), (20, 8072), (24, 8099), (29, 8159), (31, 8195), (33, 8201), (41, 8267), (52, 8330), (78, 8507), (114, 8765), (115, 8768), (119, 8801), (123, 8825),

Gene: Papafritta_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Papafritta_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: ParleG_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for ParleG_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Patt_14 Start: 8926, Stop: 9855, Start Num: 8

Candidate Starts for Patt_14:

(Start: 8 @8926 has 416 MA's), (17, 9016), (19, 9037), (20, 9043), (24, 9070), (29, 9130), (40, 9232), (41, 9238), (57, 9358), (69, 9415), (81, 9505), (98, 9598), (107, 9652), (109, 9670), (114, 9736), (123, 9796),

Gene: Peanam_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for Peanam_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882),

Gene: Peas_6 Start: 5556, Stop: 6539, Start Num: 3

Candidate Starts for Peas_6:

(Start: 3 @5556 has 9 MA's), (4, 5580), (13, 5658), (27, 5772), (37, 5862), (40, 5892), (44, 5913), (51, 5958), (92, 6243), (94, 6255), (102, 6309), (114, 6429),

Gene: Peel_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Peel_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Peep_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Peep_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: PeggyLeg03_6 Start: 5596, Stop: 6579, Start Num: 3

Candidate Starts for PeggyLeg03_6:

(Start: 3 @5596 has 9 MA's), (4, 5620), (13, 5698), (27, 5812), (40, 5932), (44, 5953), (51, 5998), (92, 6283), (94, 6295), (102, 6349), (114, 6469),

Gene: Peppino_6 Start: 4705, Stop: 5697, Start Num: 8

Candidate Starts for Peppino_6:

(Start: 8 @4705 has 416 MA's), (20, 4822), (27, 4879), (34, 4966), (49, 5065), (72, 5233), (75, 5254), (76, 5260), (101, 5428), (105, 5452), (108, 5476), (114, 5548), (115, 5551),

Gene: Phanita_5 Start: 4886, Stop: 5827, Start Num: 8

Candidate Starts for Phanita_5:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (29, 5093), (47, 5225), (56, 5309), (72, 5408), (75, 5429), (106, 5630), (114, 5711), (136, 5816),

Gene: Pharb_12 Start: 7787, Stop: 8716, Start Num: 8

Candidate Starts for Pharb_12:

(Start: 8 @7787 has 416 MA's), (17, 7877), (20, 7904), (24, 7931), (37, 8063), (41, 8099), (51, 8159), (57, 8219), (59, 8237), (85, 8399), (105, 8501), (107, 8513), (109, 8531), (114, 8597), (129, 8687),

Gene: PhelpsODU_12 Start: 6920, Stop: 7843, Start Num: 8

Candidate Starts for PhelpsODU_12:

(Start: 8 @6920 has 416 MA's), (10, 6953), (20, 7037), (35, 7184), (38, 7208), (46, 7253), (54, 7325), (56, 7340), (57, 7352), (62, 7379), (83, 7508), (102, 7613), (107, 7646), (109, 7664), (114, 7730), (115, 7733), (119, 7766),

Gene: Pherbot_6 Start: 4718, Stop: 5668, Start Num: 8

Candidate Starts for Pherbot_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (29, 4925), (30, 4943), (51, 5093), (53, 5105), (71, 5237), (72, 5240), (109, 5489), (114, 5543), (115, 5546), (118, 5570),

Gene: Pherferi_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Pherferi_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Phiderman_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Phiderman_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Phireproof_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Phireproof_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Phrank_12 Start: 6869, Stop: 7792, Start Num: 8

Candidate Starts for Phrank_12:

(Start: 8 @6869 has 416 MA's), (20, 6986), (24, 7013), (33, 7115), (35, 7133), (37, 7145), (38, 7157), (57, 7301), (102, 7562), (107, 7595), (109, 7613), (114, 7679), (115, 7682), (119, 7715), (128, 7766),

Gene: PhredFlintston_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for PhredFlintston_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Phriends_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Phriends_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Piatt_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Piatt_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Pikmin_6 Start: 5146, Stop: 6075, Start Num: 8

Candidate Starts for Pikmin_6:

(Start: 8 @5146 has 416 MA's), (20, 5263), (23, 5284), (24, 5290), (27, 5320), (34, 5401), (35, 5407), (36, 5413), (37, 5419), (47, 5479), (56, 5563), (72, 5650), (75, 5671), (76, 5677), (96, 5809), (109, 5899), (114, 5965), (118, 5992),

Gene: Piper2020_7 Start: 5010, Stop: 5918, Start Num: 8

Candidate Starts for Piper2020_7:

(Start: 8 @5010 has 416 MA's), (17, 5100), (18, 5103), (20, 5127), (27, 5184), (29, 5214), (38, 5298), (54, 5415), (74, 5547), (81, 5589), (103, 5706), (104, 5709), (109, 5754), (114, 5808), (116, 5823), (119, 5844),

Gene: Pixie_12 Start: 7697, Stop: 8620, Start Num: 8

Candidate Starts for Pixie_12:

(Start: 8 @7697 has 416 MA's), (17, 7787), (20, 7814), (24, 7841), (37, 7973), (41, 8009), (46, 8030), (51, 8069), (57, 8129), (85, 8309), (105, 8411), (107, 8423), (109, 8441), (114, 8507), (129, 8597),

Gene: Plumbus_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Plumbus_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (19, 5119), (20, 5125), (26, 5164), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Pocket_6 Start: 4707, Stop: 5633, Start Num: 8

Candidate Starts for Pocket_6:

(Start: 8 @4707 has 416 MA's), (20, 4824), (23, 4845), (27, 4881), (35, 4974), (36, 4980), (37, 4986), (47, 5046), (56, 5130), (76, 5244), (95, 5370), (105, 5436), (114, 5520), (118, 5547), (132, 5622),

Gene: Pokerus_12 Start: 7888, Stop: 8823, Start Num: 8

Candidate Starts for Pokerus_12:

(Start: 8 @7888 has 416 MA's), (17, 7978), (20, 8005), (35, 8152), (37, 8164), (38, 8176), (52, 8263), (62, 8347), (69, 8377), (100, 8575), (107, 8614), (114, 8698), (115, 8701), (119, 8734), (123, 8758), (132, 8800),

Gene: Pollywog_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Pollywog_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820),

(119, 5841),

Gene: PrincePhergus_6 Start: 4719, Stop: 5669, Start Num: 8

Candidate Starts for PrincePhergus_6:

(Start: 8 @4719 has 416 MA's), (20, 4836), (23, 4857), (27, 4893), (29, 4926), (30, 4944), (51, 5094), (53, 5106), (72, 5241), (109, 5490), (114, 5544), (115, 5547), (118, 5571),

Gene: Prithvi_13 Start: 7898, Stop: 8833, Start Num: 8

Candidate Starts for Prithvi_13:

(Start: 8 @7898 has 416 MA's), (17, 7988), (20, 8015), (35, 8162), (37, 8174), (38, 8186), (52, 8273), (69, 8387), (100, 8585), (107, 8624), (109, 8642), (114, 8708), (115, 8711), (119, 8744), (123, 8768), (132, 8810),

Gene: Psycho_11 Start: 7991, Stop: 8923, Start Num: 8

Candidate Starts for Psycho_11:

(Start: 8 @7991 has 416 MA's), (20, 8108), (24, 8135), (29, 8195), (31, 8231), (33, 8237), (37, 8267), (41, 8303), (52, 8366), (54, 8396), (114, 8801), (115, 8804), (123, 8861),

Gene: Pucara_6 Start: 5555, Stop: 6538, Start Num: 3

Candidate Starts for Pucara_6:

(Start: 3 @5555 has 9 MA's), (4, 5579), (13, 5657), (27, 5771), (40, 5891), (44, 5912), (51, 5957), (94, 6254), (102, 6308), (114, 6428),

Gene: PuppyEggo_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for PuppyEggo_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: QuadZero_8 Start: 5197, Stop: 6177, Start Num: 8

Candidate Starts for QuadZero_8:

(Start: 8 @5197 has 416 MA's), (19, 5308), (20, 5314), (23, 5335), (30, 5422), (36, 5470), (41, 5512), (47, 5536), (60, 5653), (71, 5722), (72, 5725), (99, 5911), (103, 5926), (105, 5944), (114, 6028), (115, 6031), (137, 6172),

Gene: Quartz_6 Start: 5021, Stop: 5974, Start Num: 8

Candidate Starts for Quartz_6:

(Start: 8 @5021 has 416 MA's), (20, 5138), (21, 5150), (23, 5159), (24, 5165), (27, 5195), (51, 5396), (56, 5444), (72, 5543), (96, 5702), (100, 5735), (103, 5744), (114, 5846), (115, 5849),

Gene: Quico_7 Start: 5002, Stop: 5910, Start Num: 8

Candidate Starts for Quico_7:

(Start: 8 @5002 has 416 MA's), (17, 5092), (18, 5095), (20, 5119), (27, 5176), (29, 5206), (38, 5290), (54, 5407), (74, 5539), (81, 5581), (103, 5698), (104, 5701), (109, 5746), (114, 5800), (116, 5815), (119, 5836),

Gene: QuincyRose_12 Start: 7951, Stop: 8886, Start Num: 8

Candidate Starts for QuincyRose_12:

(Start: 8 @7951 has 416 MA's), (17, 8041), (20, 8068), (35, 8215), (37, 8227), (38, 8239), (52, 8326), (62, 8410), (69, 8440), (100, 8638), (107, 8677), (114, 8761), (115, 8764), (119, 8797), (123, 8821), (132, 8863),

Gene: Raccoon_6 Start: 4711, Stop: 5691, Start Num: 8

Candidate Starts for Raccoon_6:

(Start: 8 @4711 has 416 MA's), (20, 4828), (29, 4918), (30, 4936), (34, 4972), (49, 5071), (56, 5134), (72, 5239), (75, 5260), (76, 5266), (108, 5482), (114, 5542), (118, 5569),

Gene: Ramen_13 Start: 7931, Stop: 8869, Start Num: 8

Candidate Starts for Ramen_13:

(Start: 8 @7931 has 416 MA's), (17, 8021), (20, 8048), (35, 8195), (37, 8207), (38, 8219), (52, 8306), (62, 8390), (69, 8420), (100, 8618), (107, 8657), (114, 8741), (115, 8744), (119, 8777), (123, 8801), (132, 8843),

Gene: Ramsey_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Ramsey_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Rando14_11 Start: 6998, Stop: 7930, Start Num: 8

Candidate Starts for Rando14_11:

(Start: 8 @6998 has 416 MA's), (20, 7115), (24, 7142), (29, 7202), (31, 7238), (33, 7244), (37, 7274), (41, 7310), (52, 7373), (69, 7487), (78, 7550), (105, 7712), (114, 7808), (115, 7811), (119, 7844), (123, 7868),

Gene: Rapheph_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Rapheph_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Raptor_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Raptor_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Rapunzel97_13 Start: 7932, Stop: 8870, Start Num: 8

Candidate Starts for Rapunzel97_13:

(Start: 8 @7932 has 416 MA's), (17, 8022), (20, 8049), (35, 8196), (37, 8208), (38, 8220), (52, 8307), (62, 8391), (69, 8421), (100, 8619), (107, 8658), (114, 8742), (115, 8745), (119, 8778), (123, 8802), (132, 8844),

Gene: Redfield_6 Start: 4713, Stop: 5705, Start Num: 8

Candidate Starts for Redfield_6:

(Start: 8 @4713 has 416 MA's), (20, 4830), (27, 4887), (34, 4974), (49, 5073), (72, 5241), (75, 5262), (76, 5268), (101, 5436), (105, 5460), (108, 5484), (114, 5556), (115, 5559),

Gene: RenegadeRaider_6 Start: 4718, Stop: 5668, Start Num: 8

Candidate Starts for RenegadeRaider_6:

(Start: 8 @4718 has 416 MA's), (19, 4829), (20, 4835), (23, 4856), (27, 4892), (30, 4943), (51, 5093), (53, 5105), (72, 5240), (75, 5261), (109, 5489), (114, 5543), (115, 5546), (118, 5570),

Gene: Renzie_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Renzie_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Reptar3000_14 Start: 8928, Stop: 9857, Start Num: 8

Candidate Starts for Reptar3000_14:

(Start: 8 @8928 has 416 MA's), (17, 9018), (19, 9039), (20, 9045), (24, 9072), (29, 9132), (40, 9234), (41, 9240), (57, 9360), (69, 9417), (81, 9507), (98, 9600), (107, 9654), (109, 9672), (114, 9738), (123, 9798),

Gene: Rialto_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Rialto_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Richo_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for Richo_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882), (126, 7903),

Gene: Riyhil_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Riyhil_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Robinson_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Robinson_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: RockyHorror_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for RockyHorror_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Rog141_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Rog141_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Ronaldo_42 Start: 15254, Stop: 16228, Start Num: 8

Candidate Starts for Ronaldo_42:

(Start: 8 @15254 has 416 MA's), (15, 15326), (17, 15344), (20, 15371), (46, 15587), (59, 15704), (72, 15773), (86, 15881), (87, 15908), (90, 15929), (104, 16010), (107, 16037), (114, 16109), (115, 16112), (120, 16148),

Gene: RosieMae_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for RosieMae_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Rosmarinus_13 Start: 7962, Stop: 8897, Start Num: 8

Candidate Starts for Rosmarinus_13:

(Start: 8 @7962 has 416 MA's), (17, 8052), (20, 8079), (35, 8226), (37, 8238), (38, 8250), (52, 8337), (62, 8421), (69, 8451), (100, 8649), (107, 8688), (114, 8772), (115, 8775), (119, 8808), (123, 8832),

(132, 8874),

Gene: Ruthiejr_13 Start: 8782, Stop: 9711, Start Num: 8

Candidate Starts for Ruthiejr_13:

(Start: 8 @8782 has 416 MA's), (17, 8872), (19, 8893), (20, 8899), (24, 8926), (29, 8986), (37, 9058), (40, 9088), (41, 9094), (69, 9271), (78, 9334), (81, 9361), (85, 9394), (98, 9454), (107, 9508), (114, 9592), (119, 9628), (123, 9652),

Gene: SJay_6 Start: 4709, Stop: 5635, Start Num: 8

Candidate Starts for SJay_6:

(Start: 8 @4709 has 416 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (49, 5069), (56, 5132), (76, 5246), (95, 5372), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: SamScheppers_12 Start: 8691, Stop: 9620, Start Num: 8

Candidate Starts for SamScheppers_12:

(Start: 8 @8691 has 416 MA's), (17, 8781), (19, 8802), (20, 8808), (24, 8835), (29, 8895), (40, 8997), (41, 9003), (51, 9063), (57, 9123), (69, 9180), (78, 9243), (81, 9270), (98, 9363), (107, 9417), (109, 9435), (114, 9501), (123, 9561),

Gene: SamuelLPlaqson_13 Start: 7882, Stop: 8817, Start Num: 8

Candidate Starts for SamuelLPlaqson_13:

(Start: 8 @7882 has 416 MA's), (17, 7972), (20, 7999), (35, 8146), (37, 8158), (38, 8170), (52, 8257), (69, 8371), (100, 8569), (107, 8608), (109, 8626), (114, 8692), (119, 8728), (123, 8752), (132, 8794),

Gene: Sansa_5 Start: 4885, Stop: 5841, Start Num: 8

Candidate Starts for Sansa_5:

(Start: 8 @4885 has 416 MA's), (16, 4972), (20, 5002), (21, 5014), (23, 5023), (29, 5092), (47, 5224), (56, 5308), (72, 5407), (75, 5428), (106, 5629), (114, 5710),

Gene: Saratos_6 Start: 4886, Stop: 5827, Start Num: 8

Candidate Starts for Saratos_6:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (27, 5060), (47, 5225), (56, 5309), (72, 5408), (106, 5630), (114, 5711), (136, 5816),

Gene: Sarma624_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Sarma624_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: Scarlett_12 Start: 6805, Stop: 7728, Start Num: 8

Candidate Starts for Scarlett_12:

(Start: 8 @6805 has 416 MA's), (19, 6916), (20, 6922), (24, 6949), (35, 7069), (37, 7081), (38, 7093), (52, 7180), (54, 7210), (56, 7225), (59, 7255), (69, 7294), (73, 7330), (107, 7531), (114, 7615), (115, 7618), (119, 7651), (123, 7675),

Gene: Schimmels22_9 Start: 5932, Stop: 6927, Start Num: 8

Candidate Starts for Schimmels22_9:

(Start: 8 @5932 has 416 MA's), (17, 6022), (19, 6043), (20, 6049), (21, 6061), (23, 6070), (35, 6199), (36, 6205), (37, 6211), (47, 6271), (49, 6292), (51, 6307), (75, 6481), (99, 6646), (103, 6661), (110, 6715), (114, 6775), (115, 6778),

Gene: Schnapsidee_6 Start: 4704, Stop: 5696, Start Num: 8

Candidate Starts for Schnapsidee_6:

(Start: 8 @4704 has 416 MA's), (20, 4821), (27, 4878), (34, 4965), (49, 5064), (72, 5232), (75, 5253), (76, 5259), (101, 5427), (105, 5451), (108, 5475), (114, 5547), (115, 5550),

Gene: Schubert_7 Start: 5292, Stop: 6233, Start Num: 8

Candidate Starts for Schubert_7:

(Start: 8 @5292 has 416 MA's), (19, 5403), (20, 5409), (23, 5430), (27, 5466), (30, 5517), (47, 5631), (56, 5715), (71, 5811), (72, 5814), (109, 6063), (114, 6117), (118, 6144), (133, 6222),

Gene: Scissor2024_9 Start: 5573, Stop: 6565, Start Num: 8

Candidate Starts for Scissor2024_9:

(Start: 8 @5573 has 416 MA's), (19, 5684), (20, 5690), (23, 5711), (35, 5840), (36, 5846), (37, 5852), (41, 5888), (47, 5912), (49, 5933), (51, 5948), (75, 6122), (99, 6287), (103, 6302), (105, 6320), (114, 6416), (115, 6419),

Gene: Seagreen_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Seagreen_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (105, 5722), (109, 5752), (111, 5776), (114, 5806),

Gene: Sedgewig_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Sedgewig_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: SgtBeansprout_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for SgtBeansprout_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Shadow1_11 Start: 6780, Stop: 7703, Start Num: 8

Candidate Starts for Shadow1_11:

(Start: 8 @6780 has 416 MA's), (20, 6897), (24, 6924), (33, 7026), (35, 7044), (37, 7056), (38, 7068), (57, 7212), (102, 7473), (107, 7506), (109, 7524), (114, 7590), (115, 7593), (119, 7626), (128, 7677),

Gene: ShaiHulud_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for ShaiHulud_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Shamu_6 Start: 4886, Stop: 5833, Start Num: 8

Candidate Starts for Shamu_6:

(Start: 8 @4886 has 416 MA's), (16, 4973), (20, 5003), (21, 5015), (23, 5024), (27, 5060), (47, 5225), (56, 5309), (72, 5408), (106, 5630), (114, 5711),

Gene: Shaobing_13 Start: 7012, Stop: 7941, Start Num: 8

Candidate Starts for Shaobing_13:

(Start: 8 @7012 has 416 MA's), (17, 7102), (20, 7129), (24, 7156), (35, 7276), (37, 7288), (52, 7387), (62, 7471), (100, 7699), (107, 7738), (109, 7756), (114, 7822), (115, 7825), (123, 7882),

Gene: ShedlockHolmes_12 Start: 7945, Stop: 8868, Start Num: 8

Candidate Starts for ShedlockHolmes_12:

(Start: 8 @7945 has 416 MA's), (17, 8035), (20, 8062), (24, 8089), (37, 8221), (41, 8257), (46, 8278), (51, 8317), (57, 8377), (85, 8557), (105, 8659), (107, 8671), (109, 8689), (114, 8755), (129, 8845),

Gene: Shee_6 Start: 4705, Stop: 5631, Start Num: 8

Candidate Starts for Shee_6:

(Start: 8 @4705 has 416 MA's), (20, 4822), (23, 4843), (27, 4879), (35, 4972), (36, 4978), (37, 4984), (47, 5044), (56, 5128), (76, 5242), (95, 5368), (105, 5434), (114, 5518), (118, 5545), (132, 5620),

Gene: ShiaSurprise_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for ShiaSurprise_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: SimranZ1_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for SimranZ1_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Sinatra_6 Start: 4719, Stop: 5666, Start Num: 8

Candidate Starts for Sinatra_6:

(Start: 8 @4719 has 416 MA's), (19, 4830), (20, 4836), (23, 4857), (27, 4893), (29, 4926), (30, 4944), (51, 5094), (53, 5106), (72, 5241), (109, 5490), (114, 5544), (115, 5547), (118, 5571),

Gene: SirPhilip_12 Start: 6640, Stop: 7569, Start Num: 8

Candidate Starts for SirPhilip_12:

(Start: 8 @6640 has 416 MA's), (17, 6730), (20, 6757), (24, 6784), (35, 6904), (37, 6916), (52, 7015), (54, 7045), (56, 7060), (65, 7108), (83, 7228), (102, 7333), (107, 7366), (114, 7450), (115, 7453), (119, 7486), (123, 7510), (129, 7540),

Gene: SirVictor_6 Start: 4803, Stop: 5753, Start Num: 8

Candidate Starts for SirVictor_6:

(Start: 8 @4803 has 416 MA's), (19, 4914), (20, 4920), (23, 4941), (27, 4977), (30, 5028), (51, 5178), (53, 5190), (72, 5325), (109, 5574), (114, 5628), (115, 5631), (118, 5655),

Gene: Slarp_14 Start: 9175, Stop: 10104, Start Num: 8

Candidate Starts for Slarp_14:

(Start: 8 @9175 has 416 MA's), (17, 9265), (19, 9286), (20, 9292), (24, 9319), (29, 9379), (40, 9481), (41, 9487), (51, 9547), (57, 9607), (69, 9664), (78, 9727), (81, 9754), (98, 9847), (107, 9901), (109, 9919), (114, 9985), (123, 10045),

Gene: Slim_8 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Slim_8:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Slimphazie_13 Start: 7932, Stop: 8870, Start Num: 8

Candidate Starts for Slimphazie_13:

(Start: 8 @7932 has 416 MA's), (17, 8022), (20, 8049), (35, 8196), (37, 8208), (38, 8220), (52, 8307), (62, 8391), (69, 8421), (100, 8619), (107, 8658), (114, 8742), (115, 8745), (119, 8778), (123, 8802), (132, 8844),

Gene: SoSeph_11 Start: 8082, Stop: 9014, Start Num: 8

Candidate Starts for SoSeph_11:

(Start: 8 @8082 has 416 MA's), (20, 8199), (24, 8226), (29, 8286), (31, 8322), (33, 8328), (41, 8394), (52, 8457), (78, 8634), (114, 8892), (115, 8895), (119, 8928), (123, 8952),

Gene: SoilGremlin_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for SoilGremlin_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: SonOfLevi_6 Start: 4709, Stop: 5635, Start Num: 7

Candidate Starts for SonOfLevi_6:

(Start: 7 @4709 has 10 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (56, 5132), (76, 5246), (95, 5372), (100, 5411), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: Sparky_6 Start: 5365, Stop: 6333, Start Num: 6

Candidate Starts for Sparky_6:

(Start: 6 @5365 has 2 MA's), (9, 5389), (17, 5455), (20, 5482), (25, 5512), (29, 5569), (33, 5611), (36, 5635), (37, 5641), (38, 5653), (51, 5737), (57, 5797), (79, 5920), (88, 6016), (97, 6082), (103, 6112), (109, 6160), (111, 6184), (114, 6214), (115, 6217), (119, 6250),

Gene: Spikelee_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Spikelee_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Spock_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Spock_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Squirty_7 Start: 5006, Stop: 5914, Start Num: 8

Candidate Starts for Squirty_7:

(Start: 8 @5006 has 416 MA's), (19, 5117), (20, 5123), (26, 5162), (27, 5180), (29, 5210), (38, 5294), (54, 5411), (72, 5525), (74, 5543), (103, 5702), (104, 5705), (105, 5720), (109, 5750), (111, 5774), (114, 5804), (116, 5819), (119, 5840),

Gene: Stanktossa_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Stanktossa_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Stap_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Stap_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820),

(119, 5841),

Gene: Starcevich_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Starcevich_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: StingRay_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for StingRay_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Stinson_13 Start: 7903, Stop: 8838, Start Num: 8

Candidate Starts for Stinson_13:

(Start: 8 @7903 has 416 MA's), (17, 7993), (20, 8020), (30, 8125), (35, 8167), (37, 8179), (38, 8191), (52, 8278), (69, 8392), (100, 8590), (107, 8629), (109, 8647), (114, 8713), (115, 8716), (119, 8749), (123, 8773), (132, 8815),

Gene: StirfryIV_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for StirfryIV_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Stormbreaker8_6 Start: 4705, Stop: 5697, Start Num: 8

Candidate Starts for Stormbreaker8_6:

(Start: 8 @4705 has 416 MA's), (20, 4822), (27, 4879), (34, 4966), (49, 5065), (72, 5233), (75, 5254), (76, 5260), (101, 5428), (105, 5452), (108, 5476), (114, 5548), (115, 5551),

Gene: Strathdee_6 Start: 4709, Stop: 5635, Start Num: 8

Candidate Starts for Strathdee_6:

(Start: 8 @4709 has 416 MA's), (20, 4826), (23, 4847), (27, 4883), (35, 4976), (36, 4982), (37, 4988), (47, 5048), (56, 5132), (76, 5246), (95, 5372), (105, 5438), (114, 5522), (118, 5549), (132, 5624),

Gene: Strobilo_9 Start: 5947, Stop: 6864, Start Num: 8

Candidate Starts for Strobilo_9:

(Start: 8 @5947 has 416 MA's), (19, 6058), (20, 6064), (24, 6091), (37, 6223), (40, 6253), (41, 6259), (57, 6379), (85, 6559), (105, 6661), (114, 6757), (119, 6793), (121, 6802), (129, 6847),

Gene: Sulley_13 Start: 7901, Stop: 8839, Start Num: 8

Candidate Starts for Sulley_13:

(Start: 8 @7901 has 416 MA's), (17, 7991), (20, 8018), (35, 8165), (37, 8177), (38, 8189), (52, 8276), (62, 8360), (69, 8390), (100, 8588), (107, 8627), (114, 8711), (115, 8714), (119, 8747), (123, 8771), (132, 8813),

Gene: Sunflower1121_11 Start: 6791, Stop: 7714, Start Num: 8

Candidate Starts for Sunflower1121_11:

(Start: 8 @6791 has 416 MA's), (20, 6908), (24, 6935), (33, 7037), (35, 7055), (37, 7067), (38, 7079), (57, 7223), (102, 7484), (107, 7517), (109, 7535), (114, 7601), (115, 7604), (119, 7637), (128, 7688),

Gene: Superfresh_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Superfresh_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Symere_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Symere_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Syra333_12 Start: 6884, Stop: 7807, Start Num: 8

Candidate Starts for Syra333_12:

(Start: 8 @6884 has 416 MA's), (20, 7001), (24, 7028), (35, 7148), (37, 7160), (38, 7172), (65, 7352), (102, 7577), (107, 7610), (109, 7628), (114, 7694), (115, 7697), (119, 7730), (123, 7754), (128, 7781),

Gene: TBond007_12 Start: 7696, Stop: 8619, Start Num: 8

Candidate Starts for TBond007_12:

(Start: 8 @7696 has 416 MA's), (17, 7786), (20, 7813), (24, 7840), (37, 7972), (41, 8008), (46, 8029), (51, 8068), (57, 8128), (85, 8308), (105, 8410), (107, 8422), (109, 8440), (114, 8506), (129, 8596),

Gene: TClif_12 Start: 6882, Stop: 7805, Start Num: 8

Candidate Starts for TClif_12:

(Start: 8 @6882 has 416 MA's), (17, 6972), (20, 6999), (24, 7026), (35, 7146), (37, 7158), (65, 7350), (69, 7371), (70, 7389), (77, 7431), (83, 7470), (102, 7575), (107, 7608), (109, 7626), (114, 7692), (115, 7695), (119, 7728), (123, 7752),

Gene: TM4_9 Start: 5999, Stop: 6916, Start Num: 8

Candidate Starts for TM4_9:

(Start: 8 @5999 has 416 MA's), (19, 6110), (20, 6116), (24, 6143), (30, 6221), (37, 6275), (40, 6305), (41, 6311), (57, 6431), (62, 6458), (85, 6611), (102, 6692), (105, 6713), (114, 6809), (119, 6845), (121, 6854), (129, 6899),

Gene: Tachez_13 Start: 7897, Stop: 8832, Start Num: 8

Candidate Starts for Tachez_13:

(Start: 8 @7897 has 416 MA's), (17, 7987), (20, 8014), (35, 8161), (37, 8173), (38, 8185), (52, 8272), (62, 8356), (69, 8386), (100, 8584), (107, 8623), (114, 8707), (115, 8710), (119, 8743), (123, 8767), (132, 8809),

Gene: TaiwanKao_13 Start: 7904, Stop: 8839, Start Num: 8

Candidate Starts for TaiwanKao_13:

(Start: 8 @7904 has 416 MA's), (17, 7994), (20, 8021), (35, 8168), (37, 8180), (38, 8192), (52, 8279), (69, 8393), (100, 8591), (107, 8630), (109, 8648), (114, 8714), (115, 8717), (119, 8750), (123, 8774), (132, 8816),

Gene: Taquito_12 Start: 8761, Stop: 9690, Start Num: 8

Candidate Starts for Taquito_12:

(Start: 8 @8761 has 416 MA's), (17, 8851), (19, 8872), (20, 8878), (24, 8905), (29, 8965), (40, 9067), (41, 9073), (51, 9133), (57, 9193), (69, 9250), (78, 9313), (81, 9340), (98, 9433), (107, 9487), (109, 9505), (114, 9571), (123, 9631),

Gene: TatarkaPM_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for TatarkaPM_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Tchotchke_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Tchotchke_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: Teagan_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Teagan_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (49, 5068), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: TeddyBear_6 Start: 4722, Stop: 5648, Start Num: 8

Candidate Starts for TeddyBear_6:

(Start: 8 @4722 has 416 MA's), (20, 4839), (23, 4860), (27, 4896), (35, 4989), (36, 4995), (37, 5001), (47, 5061), (56, 5145), (76, 5259), (95, 5385), (105, 5451), (114, 5535), (118, 5562), (132, 5637),

Gene: Teejan_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Teejan_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114, 8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Tenda_6 Start: 4720, Stop: 5646, Start Num: 8

Candidate Starts for Tenda_6:

(Start: 8 @4720 has 416 MA's), (20, 4837), (23, 4858), (27, 4894), (35, 4987), (36, 4993), (37, 4999), (47, 5059), (56, 5143), (76, 5257), (95, 5383), (105, 5449), (114, 5533), (118, 5560), (132, 5635),

Gene: Theresita_7 Start: 4724, Stop: 5656, Start Num: 8

Candidate Starts for Theresita_7:

(Start: 8 @4724 has 416 MA's), (14, 4787), (20, 4841), (23, 4862), (29, 4928), (35, 4988), (36, 4994), (37, 5000), (47, 5060), (64, 5177), (67, 5192), (72, 5231), (75, 5252), (96, 5390), (100, 5423), (114, 5534), (115, 5537),

Gene: Thompsone_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Thompsone_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Thorongil_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Thorongil_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Thyatira_11 Start: 7954, Stop: 8886, Start Num: 8

Candidate Starts for Thyatira_11:

(Start: 8 @7954 has 416 MA's), (20, 8071), (24, 8098), (29, 8158), (31, 8194), (33, 8200), (41, 8266), (52, 8329), (54, 8359), (78, 8506), (114, 8764), (115, 8767), (119, 8800), (123, 8824),

Gene: Tierra_12 Start: 7585, Stop: 8508, Start Num: 8

Candidate Starts for Tierra_12:

(Start: 8 @7585 has 416 MA's), (20, 7702), (35, 7849), (38, 7873), (46, 7918), (54, 7990), (57, 8017), (62, 8044), (83, 8173), (102, 8278), (109, 8329), (114, 8395), (115, 8398), (119, 8431),

Gene: TinSulphur_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for TinSulphur_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: TingHuaYa_13 Start: 6962, Stop: 7891, Start Num: 8

Candidate Starts for TingHuaYa_13:

(Start: 8 @6962 has 416 MA's), (17, 7052), (20, 7079), (29, 7166), (35, 7226), (37, 7238), (38, 7250), (57, 7394), (62, 7421), (69, 7451), (102, 7655), (107, 7688), (114, 7772), (115, 7775), (119, 7808), (123, 7832), (132, 7874),

Gene: TiniBug_13 Start: 7882, Stop: 8817, Start Num: 8

Candidate Starts for TiniBug_13:

(Start: 8 @7882 has 416 MA's), (17, 7972), (20, 7999), (35, 8146), (37, 8158), (38, 8170), (52, 8257), (69, 8371), (100, 8569), (107, 8608), (109, 8626), (114, 8692), (119, 8728), (123, 8752), (132, 8794),

Gene: Tinyman4_9 Start: 5573, Stop: 6568, Start Num: 8

Candidate Starts for Tinyman4_9:

(Start: 8 @5573 has 416 MA's), (19, 5684), (20, 5690), (23, 5711), (35, 5840), (36, 5846), (37, 5852), (41, 5888), (47, 5912), (49, 5933), (51, 5948), (75, 6122), (99, 6287), (103, 6302), (105, 6320), (114, 6416), (115, 6419),

Gene: Tiri_13 Start: 7942, Stop: 8874, Start Num: 8

Candidate Starts for Tiri_13:

(Start: 8 @7942 has 416 MA's), (17, 8032), (20, 8059), (35, 8206), (37, 8218), (38, 8230), (52, 8317), (62, 8401), (69, 8431), (100, 8629), (107, 8668), (114, 8752), (115, 8755), (119, 8788), (123, 8812), (132, 8854),

Gene: TootsiePop_7 Start: 5011, Stop: 5919, Start Num: 8

Candidate Starts for TootsiePop_7:

(Start: 8 @5011 has 416 MA's), (17, 5101), (18, 5104), (20, 5128), (27, 5185), (29, 5215), (38, 5299), (51, 5383), (54, 5416), (74, 5548), (81, 5590), (103, 5707), (104, 5710), (109, 5755), (114, 5809), (116, 5824), (119, 5845),

Gene: Tootsieroll_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Tootsieroll_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Topper_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Topper_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Torres_9 Start: 7225, Stop: 8145, Start Num: 8

Candidate Starts for Torres_9:

(Start: 8 @7225 has 416 MA's), (20, 7342), (24, 7369), (28, 7420), (35, 7489), (37, 7501), (41, 7537), (59, 7675), (62, 7684), (69, 7714), (83, 7813), (98, 7897), (102, 7918), (105, 7939), (107, 7951), (114,

8035), (119, 8071), (128, 8122), (129, 8125),

Gene: Totinger_7 Start: 5008, Stop: 5916, Start Num: 8

Candidate Starts for Totinger_7:

(Start: 8 @5008 has 416 MA's), (17, 5098), (18, 5101), (20, 5125), (27, 5182), (29, 5212), (38, 5296), (54, 5413), (74, 5545), (81, 5587), (103, 5704), (104, 5707), (109, 5752), (114, 5806), (116, 5821), (119, 5842),

Gene: TreyKay_13 Start: 7898, Stop: 8833, Start Num: 8

Candidate Starts for TreyKay_13:

(Start: 8 @7898 has 416 MA's), (17, 7988), (20, 8015), (35, 8162), (37, 8174), (38, 8186), (52, 8273), (69, 8387), (100, 8585), (107, 8624), (109, 8642), (114, 8708), (115, 8711), (119, 8744), (123, 8768), (132, 8810),

Gene: TribbleTrouble_11 Start: 7741, Stop: 8676, Start Num: 8

Candidate Starts for TribbleTrouble_11:

(Start: 8 @7741 has 416 MA's), (20, 7858), (24, 7885), (37, 8017), (41, 8053), (51, 8113), (59, 8191), (107, 8467), (109, 8485), (114, 8551), (119, 8587),

Gene: TruffulaTree_13 Start: 7928, Stop: 8866, Start Num: 8

Candidate Starts for TruffulaTree_13:

(Start: 8 @7928 has 416 MA's), (17, 8018), (20, 8045), (35, 8192), (37, 8204), (38, 8216), (52, 8303), (62, 8387), (69, 8417), (100, 8615), (107, 8654), (114, 8738), (115, 8741), (119, 8774), (123, 8798), (132, 8840),

Gene: Twitch_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Twitch_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: TwoBits_6 Start: 4998, Stop: 5978, Start Num: 8

Candidate Starts for TwoBits_6:

(Start: 8 @4998 has 416 MA's), (19, 5109), (20, 5115), (23, 5136), (27, 5172), (36, 5271), (37, 5277), (41, 5313), (47, 5337), (60, 5454), (71, 5523), (72, 5526), (99, 5712), (101, 5721), (103, 5727), (105, 5745), (114, 5829), (115, 5832), (137, 5973),

Gene: UncleRicky_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for UncleRicky_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (114, 5805), (116, 5820), (119, 5841),

Gene: Unicorn_12 Start: 6920, Stop: 7843, Start Num: 8

Candidate Starts for Unicorn_12:

(Start: 8 @6920 has 416 MA's), (10, 6953), (20, 7037), (35, 7184), (38, 7208), (46, 7253), (54, 7325), (56, 7340), (57, 7352), (62, 7379), (83, 7508), (102, 7613), (107, 7646), (109, 7664), (114, 7730), (115, 7733), (119, 7766),

Gene: Urkel_13 Start: 7882, Stop: 8817, Start Num: 8

Candidate Starts for Urkel_13:

(Start: 8 @7882 has 416 MA's), (17, 7972), (20, 7999), (35, 8146), (37, 8158), (38, 8170), (52, 8257), (69, 8371), (100, 8569), (107, 8608), (109, 8626), (114, 8692), (119, 8728), (123, 8752), (132, 8794),

Gene: Validus_13 Start: 6925, Stop: 7860, Start Num: 8

Candidate Starts for Validus_13:

(Start: 8 @6925 has 416 MA's), (20, 7042), (24, 7069), (35, 7189), (37, 7201), (52, 7300), (54, 7330), (62, 7384), (100, 7612), (107, 7651), (114, 7735), (115, 7738), (123, 7795), (129, 7825),

Gene: Velene_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Velene_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Veliki_13 Start: 7974, Stop: 8909, Start Num: 8

Candidate Starts for Veliki_13:

(Start: 8 @7974 has 416 MA's), (17, 8064), (20, 8091), (35, 8238), (37, 8250), (38, 8262), (52, 8349), (62, 8433), (69, 8463), (100, 8661), (107, 8700), (114, 8784), (115, 8787), (119, 8820), (123, 8844), (132, 8886),

Gene: Velveteen_7 Start: 5007, Stop: 5915, Start Num: 8

Candidate Starts for Velveteen_7:

(Start: 8 @5007 has 416 MA's), (17, 5097), (18, 5100), (20, 5124), (27, 5181), (29, 5211), (38, 5295), (54, 5412), (74, 5544), (81, 5586), (103, 5703), (104, 5706), (109, 5751), (111, 5775), (114, 5805), (116, 5820), (119, 5841),

Gene: Vispitious_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Vispitious_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: ViviJ_10 Start: 7861, Stop: 8781, Start Num: 8

Candidate Starts for ViviJ_10:

(Start: 8 @7861 has 416 MA's), (20, 7978), (24, 8005), (29, 8065), (31, 8101), (33, 8107), (37, 8137), (41, 8173), (52, 8236), (54, 8266), (114, 8671), (115, 8674), (119, 8707), (123, 8731),

Gene: Volt_41 Start: 15254, Stop: 16228, Start Num: 8

Candidate Starts for Volt_41:

(Start: 8 @15254 has 416 MA's), (15, 15326), (17, 15344), (20, 15371), (46, 15587), (59, 15704), (72, 15773), (86, 15881), (87, 15908), (90, 15929), (104, 16010), (107, 16037), (114, 16109), (115, 16112), (120, 16148),

Gene: Wardwill_9 Start: 5359, Stop: 6339, Start Num: 8

Candidate Starts for Wardwill_9:

(Start: 8 @5359 has 416 MA's), (19, 5470), (20, 5476), (23, 5497), (36, 5632), (41, 5674), (47, 5698), (60, 5815), (71, 5884), (72, 5887), (99, 6073), (103, 6088), (105, 6106), (114, 6190), (115, 6193), (137, 6334),

Gene: Waterfoul_11 Start: 7976, Stop: 8908, Start Num: 8

Candidate Starts for Waterfoul_11:

(Start: 8 @7976 has 416 MA's), (20, 8093), (24, 8120), (29, 8180), (31, 8216), (33, 8222), (41, 8288), (52, 8351), (54, 8381), (78, 8528), (114, 8786), (115, 8789), (119, 8822), (123, 8846),

Gene: WestPM_8 Start: 5411, Stop: 6406, Start Num: 8

Candidate Starts for WestPM_8:

(Start: 8 @5411 has 416 MA's), (17, 5501), (19, 5522), (20, 5528), (21, 5540), (23, 5549), (35, 5678), (36, 5684), (37, 5690), (47, 5750), (49, 5771), (51, 5786), (75, 5960), (99, 6125), (103, 6140), (110, 6194), (114, 6254), (115, 6257),

Gene: WildNOut_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for WildNOut_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: WilliamStrong_6 Start: 5769, Stop: 6749, Start Num: 8

Candidate Starts for WilliamStrong_6:

(Start: 8 @5769 has 416 MA's), (14, 5832), (17, 5859), (19, 5880), (20, 5886), (23, 5907), (27, 5943), (35, 6036), (36, 6042), (37, 6048), (71, 6294), (72, 6297), (99, 6483), (114, 6600), (115, 6603), (135, 6714), (137, 6744),

Gene: Wintermute_14 Start: 9164, Stop: 10093, Start Num: 8

Candidate Starts for Wintermute_14:

(Start: 8 @9164 has 416 MA's), (17, 9254), (19, 9275), (20, 9281), (24, 9308), (29, 9368), (40, 9470), (41, 9476), (51, 9536), (57, 9596), (69, 9653), (78, 9716), (81, 9743), (98, 9836), (107, 9890), (109, 9908), (114, 9974), (123, 10034),

Gene: Winzigespinne_6 Start: 4707, Stop: 5633, Start Num: 8

Candidate Starts for Winzigespinne_6:

(Start: 8 @4707 has 416 MA's), (20, 4824), (23, 4845), (27, 4881), (35, 4974), (36, 4980), (37, 4986), (47, 5046), (56, 5130), (76, 5244), (95, 5370), (105, 5436), (114, 5520), (118, 5547), (132, 5622),

Gene: Ximenita_13 Start: 7063, Stop: 7986, Start Num: 8

Candidate Starts for Ximenita_13:

(Start: 8 @7063 has 416 MA's), (20, 7180), (24, 7207), (33, 7309), (35, 7327), (37, 7339), (38, 7351), (69, 7552), (102, 7756), (107, 7789), (109, 7807), (114, 7873), (115, 7876), (119, 7909), (128, 7960),

Gene: Y10_14 Start: 9164, Stop: 10093, Start Num: 8

Candidate Starts for Y10_14:

(Start: 8 @9164 has 416 MA's), (17, 9254), (19, 9275), (20, 9281), (24, 9308), (29, 9368), (40, 9470), (41, 9476), (51, 9536), (56, 9584), (57, 9596), (69, 9653), (78, 9716), (81, 9743), (98, 9836), (107, 9890), (109, 9908), (114, 9974), (123, 10034),

Gene: Y2_14 Start: 9164, Stop: 10093, Start Num: 8

Candidate Starts for Y2_14:

(Start: 8 @9164 has 416 MA's), (17, 9254), (19, 9275), (20, 9281), (24, 9308), (29, 9368), (40, 9470), (41, 9476), (51, 9536), (56, 9584), (57, 9596), (69, 9653), (78, 9716), (81, 9743), (98, 9836), (107, 9890), (109, 9908), (114, 9974), (123, 10034),

Gene: YoureAdopted_12 Start: 7904, Stop: 8842, Start Num: 8

Candidate Starts for YoureAdopted_12:

(Start: 8 @7904 has 416 MA's), (17, 7994), (20, 8021), (35, 8168), (37, 8180), (38, 8192), (52, 8279), (62, 8363), (69, 8393), (100, 8591), (107, 8630), (114, 8714), (115, 8717), (119, 8750), (123, 8774), (132, 8816),

Gene: Yuna_13 Start: 7051, Stop: 7974, Start Num: 8

Candidate Starts for Yuna_13:

(Start: 8 @7051 has 416 MA's), (17, 7141), (19, 7162), (20, 7168), (24, 7195), (33, 7297), (35, 7315), (38, 7339), (54, 7456), (56, 7471), (83, 7639), (100, 7738), (102, 7744), (107, 7777), (114, 7861), (115,

7864), (119, 7897), (123, 7921),

Gene: Yunkel11_13 Start: 6888, Stop: 7817, Start Num: 8

Candidate Starts for Yunkel11_13:

(Start: 8 @6888 has 416 MA's), (17, 6978), (20, 7005), (35, 7152), (37, 7164), (38, 7176), (52, 7263), (69, 7377), (100, 7575), (107, 7614), (114, 7698), (115, 7701), (119, 7734), (123, 7758), (128, 7785), (132, 7800),

Gene: YuuY_6 Start: 5002, Stop: 5949, Start Num: 8

Candidate Starts for YuuY_6:

(Start: 8 @5002 has 416 MA's), (20, 5119), (21, 5131), (23, 5140), (24, 5146), (27, 5176), (29, 5209), (47, 5341), (53, 5389), (56, 5425), (71, 5521), (72, 5524), (96, 5683), (114, 5827),

Gene: Zabiza_13 Start: 7929, Stop: 8867, Start Num: 8

Candidate Starts for Zabiza_13:

(Start: 8 @7929 has 416 MA's), (17, 8019), (20, 8046), (35, 8193), (37, 8205), (38, 8217), (52, 8304), (62, 8388), (69, 8418), (100, 8616), (107, 8655), (114, 8739), (115, 8742), (119, 8775), (123, 8799), (132, 8841),

Gene: Zada_6 Start: 4708, Stop: 5634, Start Num: 8

Candidate Starts for Zada_6:

(Start: 8 @4708 has 416 MA's), (20, 4825), (23, 4846), (27, 4882), (35, 4975), (36, 4981), (37, 4987), (47, 5047), (56, 5131), (76, 5245), (95, 5371), (100, 5410), (105, 5437), (114, 5521), (118, 5548), (132, 5623),

Gene: Zavala_13 Start: 7913, Stop: 8848, Start Num: 8

Candidate Starts for Zavala_13:

(Start: 8 @7913 has 416 MA's), (17, 8003), (20, 8030), (35, 8177), (37, 8189), (38, 8201), (52, 8288), (62, 8372), (69, 8402), (100, 8600), (107, 8639), (114, 8723), (115, 8726), (119, 8759), (123, 8783), (132, 8825),

Gene: Zayuliv_8 Start: 5173, Stop: 6153, Start Num: 8

Candidate Starts for Zayuliv_8:

(Start: 8 @5173 has 416 MA's), (19, 5284), (20, 5290), (23, 5311), (30, 5398), (36, 5446), (41, 5488), (47, 5512), (60, 5629), (71, 5698), (72, 5701), (99, 5887), (103, 5902), (105, 5920), (114, 6004), (115, 6007), (137, 6148),

Gene: Zenitsu_6 Start: 4889, Stop: 5845, Start Num: 8

Candidate Starts for Zenitsu_6:

(Start: 8 @4889 has 416 MA's), (16, 4976), (20, 5006), (21, 5018), (23, 5027), (29, 5096), (47, 5228), (56, 5312), (72, 5411), (75, 5432), (106, 5633), (114, 5714),

Gene: Zepp_9 Start: 5188, Stop: 6168, Start Num: 8

Candidate Starts for Zepp_9:

(Start: 8 @5188 has 416 MA's), (19, 5299), (20, 5305), (23, 5326), (30, 5413), (36, 5461), (41, 5503), (47, 5527), (60, 5644), (71, 5713), (72, 5716), (99, 5902), (103, 5917), (105, 5935), (114, 6019), (115, 6022), (137, 6163),

Gene: Ziko_42 Start: 15194, Stop: 16168, Start Num: 8

Candidate Starts for Ziko_42:

(Start: 8 @15194 has 416 MA's), (15, 15266), (17, 15284), (20, 15311), (46, 15527), (59, 15644), (72, 15713), (86, 15821), (87, 15848), (90, 15869), (104, 15950), (107, 15977), (114, 16049), (115, 16052), (120, 16088),

Gene: ZoeJ_9 Start: 5897, Stop: 6814, Start Num: 8

Candidate Starts for ZoeJ_9:

(Start: 8 @5897 has 416 MA's), (19, 6008), (20, 6014), (24, 6041), (37, 6173), (40, 6203), (41, 6209), (56, 6317), (57, 6329), (69, 6386), (81, 6476), (100, 6584), (102, 6590), (105, 6611), (107, 6623), (114, 6707), (119, 6743), (123, 6767), (128, 6794),