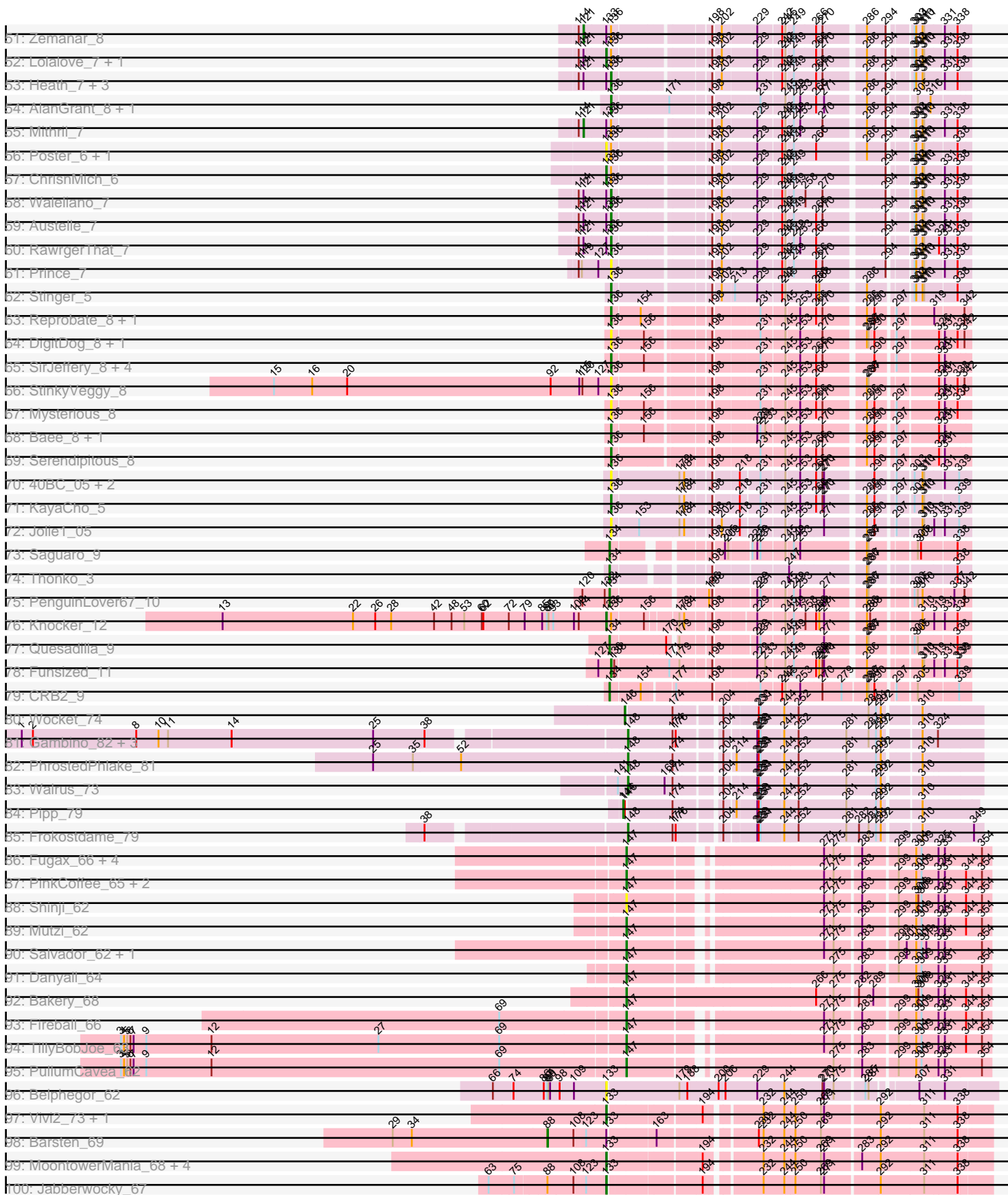
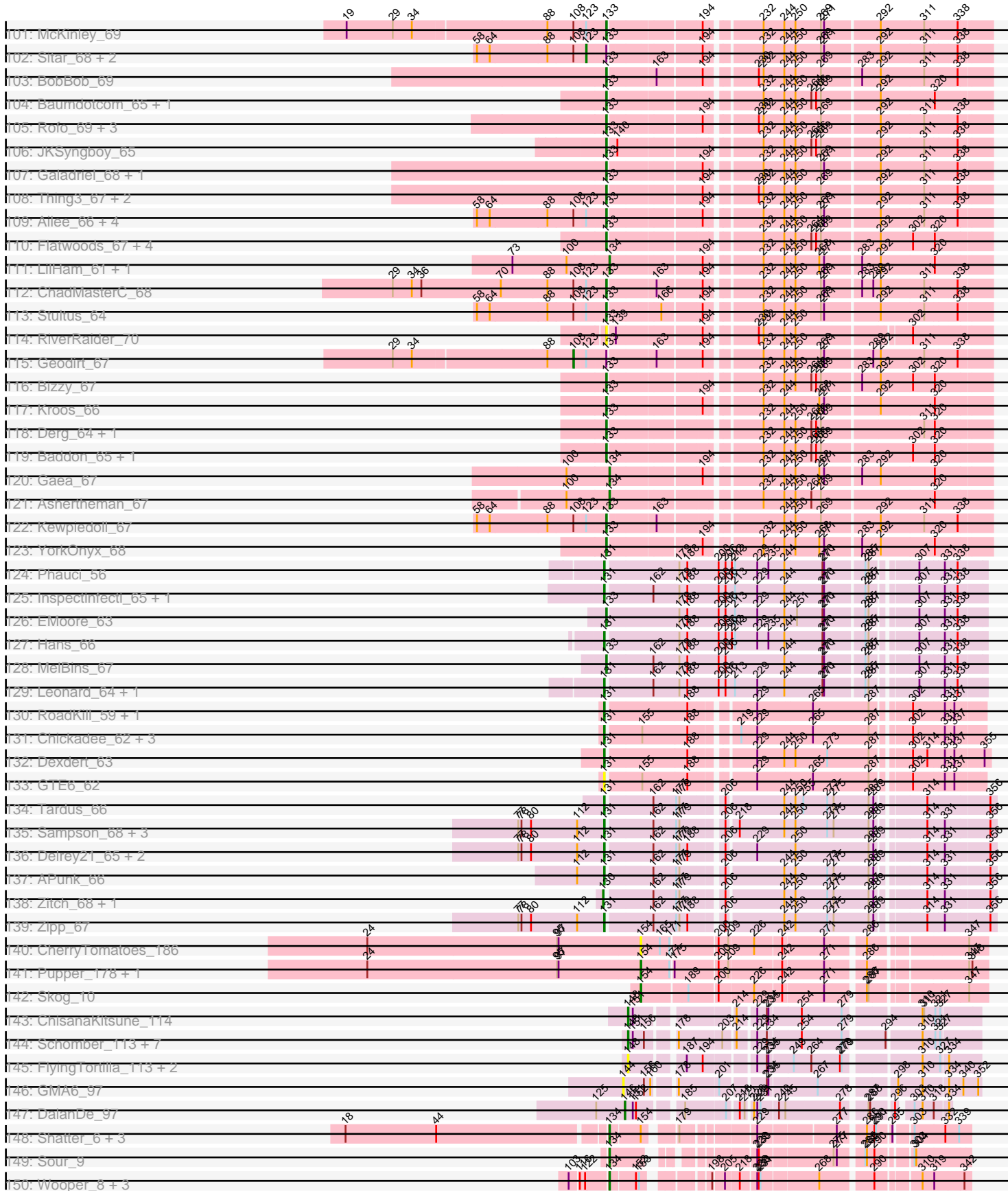


Pham 157464



Pham 157464



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 157464 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 157464 has 641 members, 96 are drafts.

Phages represented in each track:

- Track 1 : Struggle_6, Selr12_6, MelsMeow_6, Doddsville_6, Mag7_6, Chunky_6, Windsor_6, Veritas_6, MichaelPhcott_6, PhrankReynolds_6, Trypo_6, Tomlahrah_6, Wallhey_6, Kimbrough_6, Lumine_6, Roliet_6, Melc17_6, LuckyMarjie_6, Crownjwl_7, Phipps_6, Kailash_6, Labeoufcaum_6, Phleuron_6, Freya_6, Oline_6, Kwksand96_6, Dione_6, Roscoe_7, Coletti_6, Derpp_6, PhenghisKhan_6, Olak_6, Scrick_6, DuchessDung_6, Plmatters_6, BatteryCK_6, Phunky_6, Chute_6, CharlieGBrown_6, Pinkman_6, TyrionL_6, MiniBoss_6, Chaelin_6, Phergie_6, BlueHusk_6
- Track 2 : Virgeve_6, HenryJackson_6, RedMaple_6, Childish_6, Yoshand_6, Legolas_6, Pops_6, Pherdinand_6, Newman_6, Craff_6, LostAndPhound_6, Timmi_6, Oosterbaan_6, Haimas_6, Megatron_6, Aelin_6, Mana_6, Valjean_6, Kahve_6, TomBombadil_6, Lulumae_6, Hetaeria_6, MitKao_6, Xavier_6, Vaishali24_6, TallGrassMM_6, Schadenfreude_6, Roy17_6, Pipsqueak_6, Hocus_6, Held_6, Squiggle_6, LemonSlice_6, BlackStallion_6, Solosis_6, Tooj_6, Kloppinator_6, Potter_6, Sophia_6, Nyala_6, Nicole21_6, KlimbOn_6, Daffy_6, MRabcd_6, Omniscient_6, Mutante_6, Apizium_6, SassyCat97_6, JangoPhett_6, Antonia_6, FriarPreacher_6, HighStump_6, Giraffe_6, Mecca_6, Virapocalypse_6, CheetO_6, Serpentine_006, Phareon_6, Telesworld_6, Fringe_6, UAch1_6, Gwilliam_7, Murdoc_6, Manad_6, Waterdiva_6, Piglet_006, Inverness_6, Squid_6, Vivaldi_6
- Track 3 : Fozzie_6, Brilliant_6, Orion_6, Lasso_6, Swish_6, Eugenia_7, Adriana_6, Soile_6, EmpTee_6, Robyn_6, ThreeOh3D2_6, Matalotodo_6, Orwigg_7, PhatCats2014_6, Grand2040_6, Cobra_6, Burr_6, DirtJuice_6, Placalicious_6, Boehler_6, Longacauda_6, Vista_6, JakeO_6, Cosmolli16_6, Fang_6, Durga_6, Swiphy_6, Emiris_6, Chah_6, Jiminy_6, Soto_6, ABU_6, YouGoGlencoco_6, Badfish_6, Carthage_6, SDcharge11_6, Toni_6, Scoot17C_6, GeneCoco_6, Pacifista_7, DelRivs_6, ProfessorX_6, FugateOSU_6, DaddyDaniels_6, Mesh1_6, Megamind20_7, Zonia_6, KingTut_6, Haleema_6, OSmaximus_6, Lego3393_6, Duggie_6, PG1_6, Mulan_6, Harvey_6, Maru_6, Vaticameos_6, MrPhizzler_6, Dingo_6, Ricotta_6, PhatLouie_6, Mikota_6, Orfeu_6, Rimu_6
- Track 4 : Colbert_6, Morty_6, HSavage_6, Skippy_6, Dice_7, DoesntMatter_6, DonSanchon_6, Riggan_6, PhrodoBaggins_6, ShiVal_6, Serendipity_6, Surely_6, True_6, Iridoclysis_6, Gophee_6, Usavi_6, Zaider_7, Hamish_6, Lulwa_6,

Spartan300_6, UncleHowie_6, IsaacEli_6, Simielle_6, Sigman_6, LeeLot_6, AbsoluteMadLad_6, Altwerkus_6, OliverWalter_6, Zelda_6, Kwadwo_6, Phamished_6, QueenBeane_6, Samaymay_6, Bishoperium_6, Anderson_6, Banjo_6, Keitherie_6, Kikipoo_6, Vortex_6, PinheadLarry_6, Mosaic_6, Chorkpop_6, Bluephacebaby_6, Gareth_6, CamL_6, Cannibal_6, Jillium_6, Podrick_6, Quisquiliae_7, Cher_6, Morgushi_6, Numberten_6, Mcshane_6, Slatt_6

- Track 5 : Weher20_6, Inchworm_6, Magic8_6, Dati_6
- Track 6 : Buckeye_6
- Track 7 : Puhltonio_6, Thora_6, Hertubise_6, Beaglebox_6
- Track 8 : Katniss_6, Andre_7, JDog_6, Charles1_6, LeiMonet_6, Schueller_6
- Track 9 : KingVeVeVe_6, AltPhacts_6
- Track 10 : Basato_7, Eremos_6, Gyarad_006, Lopsy_6, Suffolk_6, KLucky39_6, Nacho_006, Sheila_6, Frankicide_6, Horchata_6
- Track 11 : FluffyNinja_6, Prickles_6, Cornobble_6
- Track 12 : Etaye_6, Ashraf_6, ImtiyazSitla_6, Maskar_6
- Track 13 : Hartsy_6, CampRoach_6, LasagnaCat_6
- Track 14 : Olive_6, JacAttac_6
- Track 15 : Daka_6
- Track 16 : Imvubu_3
- Track 17 : Indlovu_7
- Track 18 : LilMcDreamy_8
- Track 19 : Zenteno07_11
- Track 20 : BirdsNest_10
- Track 21 : Hashim76_11
- Track 22 : Boyle_9
- Track 23 : Brownie5_9, Calamitous_9, Sabella_9, Tinciduntolum_10, Hedgerow_9, Ares_9, Kheth_9, Opia_9, Lephleur_9, LizLemon_9, Holeinone_9, Lars_9, Allegro_9, Phantasmagoria_9, West99_9
- Track 24 : Kaleb_9
- Track 25 : Rosebush_9
- Track 26 : Eaglehorse_9, Glass_9, FrenchFry_9
- Track 27 : Rhinoforte_9
- Track 28 : Bananafish_9, Blocker23_9, Faze9_9, Tres_9, Coffee_9
- Track 29 : Laurie_9
- Track 30 : Godines_9
- Track 31 : ItsyBitsy1_9
- Track 32 : Arbiter_9
- Track 33 : MasterPo_9
- Track 34 : Qyrzula_9
- Track 35 : TA17A_9
- Track 36 : Phlyer_8, Yahalom_8, Jackstina_7, Philly_7, RomaT_8, Pipefish_8, Athena_9
- Track 37 : Morty007_8, Phayeta_8, Gervas_8, HarveySr_8, Marley1013_8, RagingRooster_8, Casbah_7, Corofin_8, Neos5_8, Rita1961_8, SynergyX_8, Heathcliff_8, Mortcellus_7, Deenasa_8, Kamiyu_8, Bernardo_8, GlenHope_9, Compostia_8, Obutu_8, Chandler_8, Halfpint_7, LestyG_8
- Track 38 : Kronus_7, Devonte_8, Gadget_9, Baloo_8, Akoma_8, Ben11_7, Audrey_8, Nozo_8, MmasiCarm_8, SlippinJimmy_8, Abinghost_8, Yinz_8, ChaChing_8
- Track 39 : Phaedruss_7
- Track 40 : Daisy_8, OrangeOswald_8, Briakila_8
- Track 41 : Tydolla_8
- Track 42 : JAMaL_6

- Track 43 : Fortunato_7
- Track 44 : Apex_6
- Track 45 : VioletZ_7
- Track 46 : Cooper_7
- Track 47 : JaguarMi_7
- Track 48 : Magpie_7
- Track 49 : Mudslide_7, BrownCNA_7
- Track 50 : Nigel_5
- Track 51 : Zemanar_8
- Track 52 : Lolalove_7, Frederick_7
- Track 53 : Heath_7, BobbyK_7, Hangman_7, Hydro_7
- Track 54 : AlanGrant_8, Vincenzo_8
- Track 55 : Mithril_7
- Track 56 : Poster_6, Nanao_6
- Track 57 : ChrisnMich_6
- Track 58 : Waleliano_7
- Track 59 : Austelle_7
- Track 60 : RawrgerThat_7
- Track 61 : Prince_7
- Track 62 : Stinger_5
- Track 63 : Reprobate_8, Phelemich_8
- Track 64 : DigitDog_8, Nangang_8
- Track 65 : SirJeffery_8, Suigeneris_8, Acadian_8, Donny_8, EastView9101_8
- Track 66 : StinkyVeggy_8
- Track 67 : Mysterious_8
- Track 68 : Bae_8, Rich_8
- Track 69 : Serendipitous_8
- Track 70 : 40BC_05, 39HC_05, Hosp_03
- Track 71 : KayaCho_5
- Track 72 : Jolie1_05
- Track 73 : Saguaro_9
- Track 74 : Thonko_3
- Track 75 : PenguinLover67_10
- Track 76 : Knocker_12
- Track 77 : Quesadilla_9
- Track 78 : Funsized_11
- Track 79 : CRB2_9
- Track 80 : Wocket_74
- Track 81 : Gambino_82, Blueberry_79, Azula_80, MissRona_80
- Track 82 : PhrostedPhlake_81
- Track 83 : Walrus_73
- Track 84 : Pipp_79
- Track 85 : Frokostdame_79
- Track 86 : Fugax_66, Nubi_63, Barb_65, ClamChowder_65, KimmyK_64
- Track 87 : PinkCoffee_65, Arri_64, Phlop_61
- Track 88 : Shinji_62
- Track 89 : Mutzi_62
- Track 90 : Salvador_62, Evamon_62
- Track 91 : Danyall_64
- Track 92 : Bakery_68
- Track 93 : Fireball_66
- Track 94 : TillyBobJoe_63
- Track 95 : PullumCavea_62

- Track 96 : Belphegor_62
- Track 97 : Vivi2_73, Nordenberg_67
- Track 98 : Barsten_69
- Track 99 : MoontowerMania_68, Shivanishola_68, Affeca_69, Love_73, Angelicage_67
- Track 100 : Jabberwocky_67
- Track 101 : McKinley_69
- Track 102 : Sitar_68, Lennon_68, Bibwit_67
- Track 103 : BobBob_69
- Track 104 : Baumdotcom_65, Tangerine_67
- Track 105 : Rofo_69, Tangent_71, Charming_72, Fosterous_71
- Track 106 : JKSyngboy_65
- Track 107 : Galadriel_68, Paries_70
- Track 108 : Thing3_67, Brandonk123_73, Kamashten_67
- Track 109 : Ailee_66, Sedona_67, Fitzgerald_67, Keitabear_67, Sanjuju_67
- Track 110 : Flatwoods_67, Gustavo_68, Saronaya_68, Kwobi_69, StorminNorm_67
- Track 111 : LilHam_61, SchottB_64
- Track 112 : ChadMasterC_68
- Track 113 : Stultus_64
- Track 114 : RiverRaider_70
- Track 115 : Geodirt_67
- Track 116 : Bizzy_67
- Track 117 : Kroos_66
- Track 118 : Derg_64, Ribeye_67
- Track 119 : Baddon_65, Tycho_65
- Track 120 : Gaea_67
- Track 121 : Ashertheman_67
- Track 122 : Kewpiedoll_67
- Track 123 : YorkOnyx_68
- Track 124 : Phauci_56
- Track 125 : Inspectinfecti_65, Ali17_61
- Track 126 : EMOore_63
- Track 127 : Hans_66
- Track 128 : MelBins_67
- Track 129 : Leonard_64, Phinally_64
- Track 130 : RoadKill_59, EdmundFerry_59
- Track 131 : Chickadee_62, Twonlo_60, Kwekel_62, Tiamoceli_62
- Track 132 : Dexdert_63
- Track 133 : GTE6_62
- Track 134 : Tardus_66
- Track 135 : Sampson_68, Natkenzie_66, Abblin_66, Scioto_66
- Track 136 : Delrey21_65, DoctorFroggo_65, Verity_65
- Track 137 : APunk_66
- Track 138 : Zitch_68, ViaConlectus_65
- Track 139 : Zipp_67
- Track 140 : CherryTomatoes_186
- Track 141 : Pupper_178, SCentae_177
- Track 142 : Skog_10
- Track 143 : ChisanaKitsune_114
- Track 144 : Schomber_113, Gray_112, Alok_107, Pakusa_109, Kabocha_116, Oogie_110, Chidiebere_115, Hanem_114
- Track 145 : FlyingTortilla_113, ScarletRaider_113, UBSmoodge_115
- Track 146 : GMA6_97

- Track 147 : DalanDe_97
- Track 148 : Shatter_6, Ligma_6, Fresco_6, Axumite_6
- Track 149 : Sour_9
- Track 150 : Wooper_8, MossRose_8, CaiB_8, MakoManhole_8
- Track 151 : Yago84_5, Sisko_5, AnClar_5
- Track 152 : NHagos_6
- Track 153 : Evaa_7
- Track 154 : AnarQue_8
- Track 155 : LittleMunchkin_7
- Track 156 : BiggityBass_5
- Track 157 : CharlottesWeb_6, Mariokart_6
- Track 158 : CloverMinnie_8
- Track 159 : Wilca_61, BirdInFrench_61
- Track 160 : Casend_54, Zhafia_56, Rudy_51, Wayne3_55, Wheelie_53, DonaldDuck_53, Llemily_53, Sillytadpoles_54, Quammi_51, Viceroy_52, Jehoshaphat_55, Teehee_54, Phabia_53
- Track 161 : Marcie_66, Kelcole_59, Tempo_61, OneinaGillian_61
- Track 162 : StrawberryJamm_57, Namago_54, SallyK_55
- Track 163 : Grassboy_56, Tissue_54, Nike_54
- Track 164 : CandC_60
- Track 165 : Phinky_62
- Track 166 : Fizzles_56
- Track 167 : Lonelysoil_52, Gazebo_53
- Track 168 : Kyva_56
- Track 169 : Judebell_57
- Track 170 : Squash_56
- Track 171 : Pepe25_60
- Track 172 : AluminumJesus_52
- Track 173 : Romm_63, RobinRose_63
- Track 174 : Altheas_57
- Track 175 : Blab_52
- Track 176 : Zagie_54
- Track 177 : Fransoyer_57
- Track 178 : Mashley_52
- Track 179 : SadLad_60
- Track 180 : Rowlf_50
- Track 181 : BabyDotz_53
- Track 182 : RubyRalph_59
- Track 183 : Hyperion_53
- Track 184 : HH92_73, Amymech_74, Webster2_74, OBUpride_73, LilHazelNut_74, Ubuntu_74, DeepSoil15_74, Evanesce_73, Amochick_75, Ein37_74, Kinbote_72
- Track 185 : Gancho_73
- Track 186 : Giles_67, Hadrien_71, Forge_67, Luke_71, Hail_67, Wishmaker_67, Luna22_67, Dewey_67, Daegal_76
- Track 187 : Hilltopfarm_84, Typha_83
- Track 188 : Cracklewink_89
- Track 189 : Bipper_88
- Track 190 : Pine5_08
- Track 191 : phiAsp2_46
- Track 192 : E3_gp158
- Track 193 : Finch_5
- Track 194 : pZL12_4c
- Track 195 : StAugustine_13

- Track 196 : ValentiniPuff_108
- Track 197 : Cantare_75
- Track 198 : Whack_67
- Track 199 : TPA2_15
- Track 200 : Sleepyhead_61

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

The start number called the most often in the published annotations is 134, it was called in 322 of the 545 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_6, Abinghost_8, AbsoluteMadLad_6, Adriana_6, Aelin_6, Akoma_8, Allegro_9, AltPhacts_6, Altwerkus_6, AnClar_5, AnarQue_8, Anderson_6, Antonia_6, Apizium_6, Ares_9, Ashertheman_67, Audrey_8, Axumite_6, Badfish_6, Baloo_8, Bananafish_9, Banjo_6, Basato_7, BatteryCK_6, Beaglebox_6, Ben11_7, Bernardo_8, BiggityBass_5, Bishoperium_6, BlackStallion_6, Blocker23_9, BlueHusk_6, Bluephacebaby_6, Boehler_6, Boyle_9, Brilliant_6, Brownie5_9, Buckeye_6, Burr_6, CRB2_9, CaiB_8, Calamitous_9, CamL_6, Cannibal_6, Carthage_6, Casbah_7, ChaChing_8, Chaelin_6, Chah_6, Chandler_8, CharlieGBrown_6, CharlottesWeb_6, CheetO_6, Cher_6, Childish_6, Chorkpop_6, Chunky_6, Chute_6, CloverMinnie_8, Cobra_6, Coffee_9, Colbert_6, Coletti_6, Compostia_8, Corofin_8, Cosmolli16_6, Craff_6, Crownjwl_7, DaddyDaniels_6, Daffy_6, Dati_6, Deenasa_8, DelRivs_6, Derpp_6, Devonte_8, Dice_7, Dingo_6, Dione_6, DirtJuice_6, Doddsville_6, DoesntMatter_6, DonSanchon_6, DuchessDung_6, Duggie_6, Durga_6, Eaglehorse_9, Emiris_6, EmpTee_6, Eremos_6, Eugenia_7, Evaa_7, Fang_6, Faze9_9, Fozzie_6, Frankicide_6, FrenchFry_9, Fresco_6, Freya_6, FriarPreacher_6, Fringe_6, FugateOSU_6, Gadget_9, Gaea_67, Gareth_6, GeneCoco_6, Gervas_8, Giraffe_6, Glass_9, GlenHope_9, Godines_9, Gophee_6, Grand2040_6, Gwilliam_7, Gyarad_006, HSavage_6, Haimas_6, Haleema_6, Halfpint_7, Hamish_6, HarveySr_8, Harvey_6, Heathcliff_8, Hedgerow_9, Held_6, HenryJackson_6, Hertubise_6, Hetaeria_6, HighStump_6, Hocus_6, Holeinone_9, Horchata_6, Inchworm_6, Inverness_6, Iridoclysis_6, IsaacEli_6, ItsyBitsy1_9, JakeO_6, JangoPhett_6, Jillium_6, Jiminy_6, KLucky39_6, Kahve_6, Kailash_6, Kamiyu_8, Keitherie_6, Kheth_9, Kikipoo_6, Kimbrough_6, KingTut_6, KingVeVeVe_6, KlimbOn_6, Kloppinator_6, Kronus_7, Kwadwo_6, Kwksand96_6, Labeouficaum_6, Lars_9, Lasso_6, Laurie_9, LeeLot_6, Lego3393_6, Legolas_6, LemonSlice_6, Lephleur_9, LestyG_8, Ligma_6, LillHam_61, LittleMunchkin_7, LizLemon_9, Longacauda_6, Lopsy_6, LostAndPhound_6, LuckyMarjie_6, Lulumae_6, Lulwa_6, Lumine_6, MRabcd_6, Mag7_6, Magic8_6, MakoManhole_8, Mana_6, Manad_6, Mariokart_6, Marley1013_8, Maru_6, MasterPo_9, Matalotodo_6, Mcshane_6, Mecca_6, Megamind20_7, Megatron_6, Melc17_6, MelsMeow_6, Mesh1_6, MichaelPhcott_6, Mikota_6, MiniBoss_6, MitKao_6, MmasiCarm_8, Morgushi_6, Mortcellus_7, Morty007_8, Morty_6, Mosaic_6, MossRose_8, MrPhizzler_6, Mulan_6, Murdoc_6, Mutante_6, NHagos_6, Nacho_006, Neos5_8, Newman_6, Nicole21_6, Nozo_8, Numberten_6, Nyala_6, OSmaximus_6, Obutu_8, Olak_6, Oline_6, OliverWalter_6, Omniscient_6, Oosterbaan_6, Opia_9, Orfeu_6, Orion_6, Orwigg_7, PG1_6, Pacifista_7, PenguinLover67_10, Phamished_6, Phantasmagoria_9, Phareon_6, PhatCats2014_6, PhatLouie_6, Phayeta_8, PhenghisKhan_6, Pherdinand_6,

Phergie_6, Phipps_6, Phleuron_6, PhrankReynolds_6, PhrodoBaggins_6, Phunky_6, Piglet_006, PinheadLarry_6, Pinkman_6, Pipsqueak_6, Placalicious_6, Plmatters_6, Podrick_6, Pops_6, Potter_6, ProfessorX_6, Puhltonio_6, QueenBeane_6, Quesadilla_9, Quisquillae_7, RagingRooster_8, RedMaple_6, Rhinoforte_9, Ricotta_6, Riggan_6, Rimu_6, Rita1961_8, Robyn_6, Roliet_6, Roscoe_7, Roy17_6, SDcharge11_6, Sabella_9, Saguaro_9, Samaymay_6, SassyCat97_6, Schadenfreude_6, SchottB_64, Scoot17C_6, Scrick_6, Selr12_6, Serendipity_6, Serpentine_006, Shatter_6, Sheila_6, ShiVal_6, Sigman_6, Simielle_6, Sisko_5, Skippy_6, Slatt_6, SlippinJimmy_8, Soile_6, Solosis_6, Sophia_6, Soto_6, Sour_9, Spartan300_6, Squid_6, Squiggle_6, Struggle_6, Suffolk_6, Surely_6, Swiphy_6, Swish_6, SynergyX_8, TallGrassMM_6, Telesworld_6, Thonko_3, Thora_6, ThreeOh3D2_6, Timmi_6, Tinciduntolum_10, TomBombadil_6, Tomlarah_6, Toni_6, Tooj_6, Tres_9, True_6, Trypo_6, TyrionL_6, UAch1_6, UncleHowie_6, Usavi_6, Vaishali24_6, Valjean_6, Vaticameos_6, Veritas_6, Virapocalypse_6, Virgeve_6, Vista_6, Vivaldi_6, Vortex_6, Wallhey_6, Waterdiva_6, Weher20_6, West99_9, Windsor_6, Wooper_8, Xavier_6, Yago84_5, Yinz_8, Yoshand_6, YouGoGlencoco_6, Zaidler_7, Zelda_6, Zenteno07_11, Zonia_6,

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

- Andre_7, Arbiter_9, Ashraf_6, Athena_9, BirdsNest_10, Briakila_8, CampRoach_6, Charles1_6, Cornobble_6, Daisy_8, Daka_6, Etaye_6, FluffyNinja_6, Hartsy_6, Hashim76_11, ImtiyazSittla_6, Indlovu_7, JDog_6, JacAttac_6, Jackstina_7, Kaleb_9, Katniss_6, LasagnaCat_6, LeiMonet_6, Maskar_6, Nigel_5, Olive_6, OrangeOswald_8, Phaedrus_7, Philly_7, Phlyer_8, Pipefish_8, Prickles_6, Qyrzula_9, RomaT_8, Rosebush_9, Schueller_6, TA17A_9, Tydolla_8, Yahalom_8,

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

- 39HC_05, 40BC_05, APunk_66, Abblin_66, Acadian_8, Affeca_69, Ailee_66, AlanGrant_8, Ali17_61, Aloki_107, Altheas_57, AluminumJesus_52, Amochick_75, Amymech_74, Angelicage_67, Apex_6, Arri_64, Austelle_7, Azula_80, BabyDotz_53, Baddon_65, Bae_8, Bakery_68, Barb_65, Barsten_69, Baumdotcom_65, Belphegor_62, Bibwit_67, Bipper_88, BirdInFrench_61, Bizzy_67, Blab_52, Blueberry_79, BobBob_69, BobbyK_7, Brandonk123_73, BrownCNA_7, CandC_60, Cantare_75, Casend_54, ChadMasterC_68, Charming_72, CherryTomatoes_186, Chickadee_62, Chidiebere_115, ChisanaKitsune_114, ChrisMich_6, ClamChowder_65, Cooper_7, Cracklewink_89, Daegal_76, DalanDe_97, Danyall_64, DeepSoil15_74, Delrey21_65, Derg_64, Dewey_67, Dextert_63, DigitDog_8, DoctorFroggo_65, DonaldDuck_53, Donny_8, E3_gp158, EMoore_63, EastView9101_8, EdmundFerry_59, Ein37_74, Evamon_62, Evanesce_73, Finch_5, Fireball_66, Fitzgerald_67, Fizzles_56, Flatwoods_67, FlyingTortilla_113, Forge_67, Fortunato_7, Fosterous_71, Fransoyer_57, Frederick_7, Frokostdame_79, Fugax_66, Funsized_11, GMA6_97, GTE6_62, Galadriel_68, Gambino_82, Gancho_73, Gazebo_53, Geodirt_67, Giles_67, Grassboy_56, Gray_112, Gustavo_68, HH92_73, Hadrien_71, Hail_67, Hanem_114, Hangman_7, Hans_66, Heath_7, Hilltopfarm_84, Hosp_03, Hydro_7, Hyperion_53, Imvubu_3, Inspectinfecti_65, JAMaL_6, JKSyngboy_65, Jabberwocky_67, JaguarMi_7, Jehoshaphat_55, Jolie1_05, Judebell_57, Kabocha_116, Kamashten_67, KayaCho_5, Keitabear_67, Kelcole_59, Kewpiedoll_67, KimmyK_64, Kinbote_72, Knocker_12, Kroos_66, Kwekel_62, Kwobi_69, Kyva_56, Lennon_68, Leonard_64, LilHazelnut_74, LilMcDreamy_8, Llemily_53, Lolalove_7, Lonelysoil_52, Love_73, Luke_71, Luna22_67, Magpie_7, Marcie_66, Mashley_52, McKinley_69, MelBins_67, MissRona_80, Mithril_7, MoontowerMania_68, Mudslide_7, Mutzi_62, Mysterious_8, Namago_54, Nanao_6, Nangang_8, Natkenzie_66, Nike_54, Nordenberg_67, Nubi_63, OBUpride_73,

OneinaGillian_61, Oogie_110, Pakusa_109, Paries_70, Pepe25_60, Phabia_53, Phauci_56, Phelemich_8, Phinally_64, Phinky_62, Phlop_61, PhrostedPhlake_81, Pine5_08, PinkCoffee_65, Pipp_79, Poster_6, Prince_7, PullumCavea_62, Pupper_178, Quammi_51, RawrgerThat_7, Reprobate_8, Ribeye_67, Rich_8, RiverRaider_70, RoadKill_59, RobinRose_63, Rofo_69, Romm_63, Rowlf_50, RubyRalph_59, Rudy_51, SCentae_177, SadLad_60, SallyK_55, Salvador_62, Sampson_68, Sanjuju_67, Saronaya_68, ScarletRaider_113, Schomber_113, Scioto_66, Sedona_67, Serendipitous_8, Shinji_62, Shivanishola_68, Sillytadpoles_54, SirJeffery_8, Sitar_68, Skog_10, Sleepyhead_61, Squash_56, StAugustine_13, Stinger_5, StinkyVeggy_8, StorminNorm_67, StrawberryJamm_57, Stultus_64, Suigeneris_8, TPA2_15, Tangent_71, Tangerine_67, Tardus_66, Teehee_54, Tempo_61, Thing3_67, Tiamoceli_62, TillyBobJoe_63, Tissue_54, Twonlo_60, Tycho_65, Typha_83, UBSmoodge_115, Ubuntu_74, ValentiniPuff_108, Verity_65, ViaConlectus_65, Viceroy_52, Vincenzo_8, VioletZ_7, Vivi2_73, Waleliano_7, Walrus_73, Wayne3_55, Webster2_74, Whack_67, Wheelie_53, Wilca_61, Wishmaker_67, Wocket_74, YorkOnyx_68, Zagie_54, Zemanar_8, Zhafia_56, Zipp_67, Zitch_68, pZL12_4c, phiAsp2_46,

Summary by start number:

Start 87:

- Found in 35 of 641 (5.5%) of genes in pham
- Manual Annotations of this start: 2 of 545
- Called 5.7% of time when present
- Phage (with cluster) where this start called: Arbiter_9 (B2), Qyrzula_9 (B2),

Start 88:

- Found in 19 of 641 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 545
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Barsten_69 (DE1),

Start 101:

- Found in 17 of 641 (2.7%) of genes in pham
- Manual Annotations of this start: 4 of 545
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Briakila_8 (B3), Daisy_8 (B3), OrangeOswald_8 (B3), Tydolla_8 (B3),

Start 104:

- Found in 30 of 641 (4.7%) of genes in pham
- Manual Annotations of this start: 7 of 545
- Called 23.3% of time when present
- Phage (with cluster) where this start called: Athena_9 (B3), Jackstina_7 (B3), Philly_7 (B3), Phlyer_8 (B3), Pipefish_8 (B3), RomaT_8 (B3), Yahalom_8 (B3),

Start 108:

- Found in 15 of 641 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 545
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Geodirt_67 (DE1),

Start 118:

- Found in 21 of 641 (3.3%) of genes in pham
- Manual Annotations of this start: 9 of 545
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Daegal_76 (Q), Dewey_67 (Q), Forge_67 (Q), Giles_67 (Q), Hadrien_71 (Q), Hail_67 (Q), Luke_71 (Q), Luna22_67 (Q), Wishmaker_67 (Q),

Start 121:

- Found in 14 of 641 (2.2%) of genes in pham
- Manual Annotations of this start: 3 of 545
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Fortunato_7 (B4), Mithril_7 (B4), Zemanar_8 (B4),

Start 123:

- Found in 36 of 641 (5.6%) of genes in pham
- Manual Annotations of this start: 3 of 545
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Bibwit_67 (DE1), Lennon_68 (DE1), Sitar_68 (DE1),

Start 127:

- Found in 10 of 641 (1.6%) of genes in pham
- Manual Annotations of this start: 2 of 545
- Called 20.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_10 (B13), Indlovu_7 (B11),

Start 128:

- Found in 1 of 641 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: StAugustine_13 (singleton),

Start 130:

- Found in 2 of 641 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 545
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ViaConlectus_65 (DE4), Zitch_68 (DE4),

Start 131:

- Found in 24 of 641 (3.7%) of genes in pham
- Manual Annotations of this start: 18 of 545
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_66 (DE4), Abblin_66 (DE4), Ali17_61 (DE2), Chickadee_62 (DE3), Delrey21_65 (DE4), Dextert_63 (DE3), DoctorFroggo_65 (DE4), EdmundFerry_59 (DE3), GTE6_62 (DE3), Hans_66 (DE2), Inspectinfecti_65 (DE2), Kwekel_62 (DE3), Leonard_64 (DE2), Natkenzie_66 (DE4), Phauci_56 (DE2), Phinally_64 (DE2), RoadKill_59 (DE3), Sampson_68 (DE4), Scioto_66 (DE4), Tardus_66 (DE4), Tiamoceli_62 (DE3), Twonlo_60 (DE3), Verity_65 (DE4), Zipp_67 (DE4),

Start 132:

- Found in 5 of 641 (0.8%) of genes in pham

- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Hashim76_11 (B13),

Start 133:

- Found in 71 of 641 (11.1%) of genes in pham
- Manual Annotations of this start: 39 of 545
- Called 73.2% of time when present
- Phage (with cluster) where this start called: Affeca_69 (DE1), Ailee_66 (DE1), Angelicage_67 (DE1), Baddon_65 (DE1), Baumdotcom_65 (DE1), Belphegor_62 (DE), Bizzy_67 (DE1), BobBob_69 (DE1), Brandonk123_73 (DE1), ChadMasterC_68 (DE1), Charming_72 (DE1), ChrisnMich_6 (B4), Derg_64 (DE1), EMoore_63 (DE2), Fitzgerald_67 (DE1), Flatwoods_67 (DE1), Fosterous_71 (DE1), Frederick_7 (B4), Galadriel_68 (DE1), Gustavo_68 (DE1), JKSyngboy_65 (DE1), Jabberwocky_67 (DE1), Kamashten_67 (DE1), Keitabear_67 (DE1), Kewpiedoll_67 (DE1), Knocker_12 (B9), Kroos_66 (DE1), Kwobi_69 (DE1), Lolalove_7 (B4), Love_73 (DE1), McKinley_69 (DE1), MelBins_67 (DE2), MoontowerMania_68 (DE1), Nanao_6 (B4), Nordenberg_67 (DE1), Paries_70 (DE1), Poster_6 (B4), Ribeye_67 (DE1), RiverRaider_70 (DE1), Rofo_69 (DE1), Sanjuju_67 (DE1), Saronaya_68 (DE1), Sedona_67 (DE1), Shivanishola_68 (DE1), StorminNorm_67 (DE1), Stultus_64 (DE1), Tangent_71 (DE1), Tangerine_67 (DE1), Thing3_67 (DE1), Tycho_65 (DE1), Vivi2_73 (DE1), YorkOnyx_68 (DE1),

Start 134:

- Found in 387 of 641 (60.4%) of genes in pham
- Manual Annotations of this start: 322 of 545
- Called 89.7% of time when present
- Phage (with cluster) where this start called: ABU_6 (B1), Abinghost_8 (B3), AbsoluteMadLad_6 (B1), Adriana_6 (B1), Aelin_6 (B1), Akoma_8 (B3), Allegro_9 (B2), AltPhacts_6 (B1), Altwerkus_6 (B1), AnClar_5 (DR), AnarQue_8 (DR), Anderson_6 (B1), Antonia_6 (B1), Apizium_6 (B1), Ares_9 (B2), Ashertheman_67 (DE1), Audrey_8 (B3), Axumite_6 (DR), Badfish_6 (B1), Baloo_8 (B3), Bananafish_9 (B2), Banjo_6 (B1), Basato_7 (B1), BatteryCK_6 (B1), Beaglebox_6 (B1), Ben11_7 (B3), Bernardo_8 (B3), BiggityBass_5 (DR), Bishoperium_6 (B1), BlackStallion_6 (B1), Blocker23_9 (B2), BlueHusk_6 (B1), Bluephacebaby_6 (B1), Boehler_6 (B1), Boyle_9 (B2), Brilliant_6 (B1), Brownie5_9 (B2), Buckeye_6 (B1), Burr_6 (B1), CRB2_9 (B9), CaiB_8 (DR), Calamitous_9 (B2), CamL_6 (B1), Cannibal_6 (B1), Carthage_6 (B1), Casbah_7 (B3), ChaChing_8 (B3), Chaelin_6 (B1), Chah_6 (B1), Chandler_8 (B3), CharlieGBrown_6 (B1), CharlottesWeb_6 (DR), CheetO_6 (B1), Cher_6 (B1), Childish_6 (B1), Chorkpop_6 (B1), Chunky_6 (B1), Chute_6 (B1), CloverMinnie_8 (DR), Cobra_6 (B1), Coffee_9 (B2), Colbert_6 (B1), Coletti_6 (B1), Compostia_8 (B3), Corofin_8 (B3), Cosmolli16_6 (B1), Craff_6 (B1), Crownjwl_7 (B1), DaddyDaniels_6 (B1), Daffy_6 (B1), Dati_6 (B1), Deenasa_8 (B3), DelRivs_6 (B1), Derpp_6 (B1), Devonte_8 (B3), Dice_7 (B1), Dingo_6 (B1), Dione_6 (B1), DirtJuice_6 (B1), Doddsville_6 (B1), DoesntMatter_6 (B1), DonSanchon_6 (B1), DuchessDung_6 (B1), Duggie_6 (B1), Durga_6 (B1), Eaglehorse_9 (B2), Emiris_6 (B1), EmpTee_6 (B1), Eremos_6 (B1), Eugenia_7 (B1), Evaa_7 (DR), Fang_6 (B1), Faze9_9 (B2), Fozzie_6 (B1), Frankicide_6 (B1), FrenchFry_9 (B2), Fresco_6 (DR), Freya_6 (B1), FriarPreacher_6 (B1), Fringe_6 (B1), FugateOSU_6 (B1), Gadget_9 (B3), Gaea_67 (DE1), Gareth_6 (B1), GeneCoco_6 (B1), Gervas_8 (B3), Giraffe_6 (B1), Glass_9 (B2), GlenHope_9 (B3), Godines_9 (B2), Gophee_6 (B1), Grand2040_6 (B1), Gwilliam_7 (B1), Gyarad_006 (B1), HSavage_6 (B1), Haimas_6 (B1), Haleema_6 (B1), Halfpint_7 (B3), Hamish_6 (B1), HarveySr_8 (B3), Harvey_6

(B1), Heathcliff_8 (B3), Hedgerow_9 (B2), Held_6 (B1), HenryJackson_6 (B1), Hertubise_6 (B1), Hetaeria_6 (B1), HighStump_6 (B1), Hocus_6 (B1), Holeinone_9 (B2), Horchata_6 (B1), Inchworm_6 (B1), Inverness_6 (B1), Iridoclysis_6 (B1), IsaacEli_6 (B1), ItsyBitsy1_9 (B2), JakeO_6 (B1), JangoPhett_6 (B1), Jillium_6 (B1), Jiminy_6 (B1), KLucky39_6 (B1), Kahve_6 (B1), Kailash_6 (B1), Kamiyu_8 (B3), Keitherie_6 (B1), Kheth_9 (B2), Kikipoo_6 (B1), Kimbrough_6 (B1), KingTut_6 (B1), KingVeVeVe_6 (B1), KlimbOn_6 (B1), Kloppinator_6 (B1), Kronus_7 (B3), Kwadwo_6 (B1), Kwksand96_6 (B1), Labeouficaum_6 (B1), Lars_9 (B2), Lasso_6 (B1), Laurie_9 (B2), LeeLot_6 (B1), Lego3393_6 (B1), Legolas_6 (B1), LemonSlice_6 (B1), Lephleur_9 (B2), LestyG_8 (B3), Ligma_6 (DR), LilHam_61 (DE1), LittleMunchkin_7 (DR), LizLemon_9 (B2), Longacauda_6 (B1), Lopsy_6 (B1), LostAndPhound_6 (B1), LuckyMarjie_6 (B1), Lulumae_6 (B1), Lulwa_6 (B1), Lumine_6 (B1), MRabcd_6 (B1), Mag7_6 (B1), Magic8_6 (B1), MakoManhole_8 (DR), Mana_6 (B1), Manad_6 (B1), Mariokart_6 (DR), Marley1013_8 (B3), Maru_6 (B1), MasterPo_9 (B2), Matalotodo_6 (B1), Mcshane_6 (B1), Mecca_6 (B1), Megamind20_7 (B1), Megatron_6 (B1), Melc17_6 (B1), MelsMeow_6 (B1), Mesh1_6 (B1), MichaelPhcott_6 (B1), Mikota_6 (B1), MiniBoss_6 (B1), MitKao_6 (B1), MmasiCarm_8 (B3), Morgushi_6 (B1), Mortcellus_7 (B3), Morty007_8 (B3), Morty_6 (B1), Mosaic_6 (B1), MossRose_8 (DR), MrPhizzler_6 (B1), Mulan_6 (B1), Murdoc_6 (B1), Mutante_6 (B1), NHagos_6 (DR), Nacho_006 (B1), Neos5_8 (B3), Newman_6 (B1), Nicole21_6 (B1), Nozo_8 (B3), Numberten_6 (B1), Nyala_6 (B1), OSmaximus_6 (B1), Obutu_8 (B3), Olak_6 (B1), Oline_6 (B1), OliverWalter_6 (B1), Omniscient_6 (B1), Oosterbaan_6 (B1), Opia_9 (B2), Orfeu_6 (B1), Orion_6 (B1), Orwigg_7 (B1), PG1_6 (B1), Pacifista_7 (B1), PenguinLover67_10 (B9), Phamished_6 (B1), Phantasmagoria_9 (B2), Phareon_6 (B1), PhatCats2014_6 (B1), PhatLouie_6 (B1), Phayeta_8 (B3), PhenghisKhan_6 (B1), Pherdinand_6 (B1), Phergie_6 (B1), Phipps_6 (B1), Phleuron_6 (B1), PhrankReynolds_6 (B1), PhrodoBaggins_6 (B1), Phunky_6 (B1), Piglet_006 (B1), PinheadLarry_6 (B1), Pinkman_6 (B1), Pipsqueak_6 (B1), Placalicious_6 (B1), Plmatters_6 (B1), Podrick_6 (B1), Pops_6 (B1), Potter_6 (B1), ProfessorX_6 (B1), Puhltonio_6 (B1), QueenBeane_6 (B1), Quesadilla_9 (B9), Quisquillae_7 (B1), RagingRooster_8 (B3), RedMaple_6 (B1), Rhinoforte_9 (B2), Ricotta_6 (B1), Riggan_6 (B1), Rimu_6 (B1), Rita1961_8 (B3), Robyn_6 (B1), Roliet_6 (B1), Roscoe_7 (B1), Roy17_6 (B1), SDcharge11_6 (B1), Sabella_9 (B2), Saguaro_9 (B7), Samaymay_6 (B1), SassyCat97_6 (B1), Schadenfreude_6 (B1), SchottB_64 (DE1), Scoot17C_6 (B1), Scrick_6 (B1), Selr12_6 (B1), Serendipity_6 (B1), Serpentine_006 (B1), Shatter_6 (DR), Sheila_6 (B1), ShiVal_6 (B1), Sigman_6 (B1), Simielle_6 (B1), Sisko_5 (DR), Skippy_6 (B1), Slatt_6 (B1), SlippinJimmy_8 (B3), Soile_6 (B1), Solosis_6 (B1), Sophia_6 (B1), Soto_6 (B1), Sour_9 (DR), Spartan300_6 (B1), Squid_6 (B1), Squiggle_6 (B1), Struggle_6 (B1), Suffolk_6 (B1), Surely_6 (B1), Swiphy_6 (B1), Swish_6 (B1), SynergyX_8 (B3), TallGrassMM_6 (B1), Telesworld_6 (B1), Thonko_3 (B8), Thora_6 (B1), ThreeOh3D2_6 (B1), Timmi_6 (B1), Tinciduntolum_10 (B2), TomBombadil_6 (B1), Tomlarah_6 (B1), Toni_6 (B1), Tooj_6 (B1), Tres_9 (B2), True_6 (B1), Trypo_6 (B1), TyrionL_6 (B1), UAch1_6 (B1), UncleHowie_6 (B1), Usavi_6 (B1), Vaishali24_6 (B1), Valjean_6 (B1), Vaticameos_6 (B1), Veritas_6 (B1), Virapocalypse_6 (B1), Virgeve_6 (B1), Vista_6 (B1), Vivaldi_6 (B1), Vortex_6 (B1), Wallhey_6 (B1), Waterdiva_6 (B1), Weher20_6 (B1), West99_9 (B2), Windsor_6 (B1), Wooper_8 (DR), Xavier_6 (B1), Yago84_5 (DR), Yinz_8 (B3), Yoshand_6 (B1), YouGoGlencoco_6 (B1), Zaider_7 (B1), Zelda_6 (B1), Zenteno07_11 (B13), Zonia_6 (B1),

Start 136:

- Found in 51 of 641 (8.0%) of genes in pham
- Manual Annotations of this start: 28 of 545

- Called 80.4% of time when present
- Phage (with cluster) where this start called: 39HC_05 (B6), 40BC_05 (B6), Acadian_8 (B5), AlanGrant_8 (B4), Apex_6 (B4), Austelle_7 (B4), Bae_8 (B5), BobbyK_7 (B4), BrownCNA_7 (B4), DigitDog_8 (B5), Donny_8 (B5), EastView9101_8 (B5), Funsized_11 (B9), Hangman_7 (B4), Heath_7 (B4), Hosp_03 (B6), Hydro_7 (B4), Imvubu_3 (B10), JAMaL_6 (B4), JaguarMi_7 (B4), Jolie1_05 (B6), KayaCho_5 (B6), LilMcDreamy_8 (B12), Magpie_7 (B4), Mudslide_7 (B4), Mysterious_8 (B5), Nangang_8 (B5), Nigel_5 (B4), Phelemich_8 (B5), Prince_7 (B4), RawrgerThat_7 (B4), Reprobate_8 (B5), Rich_8 (B5), Serendipitous_8 (B5), SirJeffery_8 (B5), Stinger_5 (B4), StinkyVeggy_8 (B5), Suigeneris_8 (B5), Vincenzo_8 (B4), VioletZ_7 (B4), Waleliano_7 (B4),

Start 138:

- Found in 5 of 641 (0.8%) of genes in pham
- Manual Annotations of this start: 4 of 545
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Namago_54 (EG), SallyK_55 (EG), StrawberryJamm_57 (EG), Zagie_54 (EG),

Start 142:

- Found in 1 of 641 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: pZL12_4c (singleton),

Start 143:

- Found in 42 of 641 (6.6%) of genes in pham
- Manual Annotations of this start: 30 of 545
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_57 (EG), AluminumJesus_52 (EG), BabyDotz_53 (EG), BirdInFrench_61 (EG), Blab_52 (EG), CandC_60 (EG), Casend_54 (EG), DonaldDuck_53 (EG), Fizzles_56 (EG), Fransoyer_57 (EG), Gazebo_53 (EG), Grassboy_56 (EG), Hyperion_53 (EG), Jehoshaphat_55 (EG), Judebell_57 (EG), Kelcole_59 (EG), Kyva_56 (EG), Llemily_53 (EG), Lonelysoil_52 (EG), Marcie_66 (EG), Mashley_52 (EG), Nike_54 (EG), OneinaGillian_61 (EG), Pepe25_60 (EG), Phabia_53 (EG), Quammi_51 (EG), RobinRose_63 (EG), Romm_63 (EG), Rowlf_50 (EG), RubyRalph_59 (EG), Rudy_51 (EG), SadLad_60 (EG), Sillytadpoles_54 (EG), Squash_56 (EG), Teehee_54 (EG), Tempo_61 (EG), Tissue_54 (EG), Viceroy_52 (EG), Wayne3_55 (EG), Wheelie_53 (EG), Wilca_61 (EG), Zhafia_56 (EG),

Start 144:

- Found in 3 of 641 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 545
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA6_97 (DQ), Phinky_62 (EG), Pipp_79 (CV),

Start 145:

- Found in 3 of 641 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 545
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Finch_5 (singleton), Pine5_08 (singleton), TPA2_15 (singleton),

Start 146:

- Found in 4 of 641 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 545
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cantare_75 (singleton), DalanDe_97 (DQ), Wocket_74 (CV),

Start 147:

- Found in 40 of 641 (6.2%) of genes in pham
- Manual Annotations of this start: 29 of 545
- Called 77.5% of time when present
- Phage (with cluster) where this start called: Amochick_75 (Q), Amymech_74 (Q), Arri_64 (DC1), Bakery_68 (DC1), Barb_65 (DC1), ClamChowder_65 (DC1), Danyall_64 (DC1), DeepSoil15_74 (Q), Ein37_74 (Q), Evamon_62 (DC1), Evanesce_73 (Q), Fireball_66 (DC1), Fugax_66 (DC1), Gancho_73 (Q), HH92_73 (Q), KimmyK_64 (DC1), Kinbote_72 (Q), LilHazelNut_74 (Q), Mutzi_62 (DC1), Nubi_63 (DC1), OBUpride_73 (Q), Phlop_61 (DC1), PinkCoffee_65 (DC1), PullumCavea_62 (DC1), Salvador_62 (DC1), Shinji_62 (DC1), Sleepyhead_61 (singleton), TillyBobJoe_63 (DC1), Ubuntu_74 (Q), Webster2_74 (Q), Whack_67 (singleton),

Start 148:

- Found in 97 of 641 (15.1%) of genes in pham
- Manual Annotations of this start: 19 of 545
- Called 25.8% of time when present
- Phage (with cluster) where this start called: Alok_107 (DQ), Azula_80 (CV), Bipper_88 (Y), Blueberry_79 (CV), Chidiebere_115 (DQ), ChisanaKitsune_114 (DQ), Cracklewink_89 (Y), FlyingTortilla_113 (DQ), Frokostdame_79 (CV), Gambino_82 (CV), Gray_112 (DQ), Hanem_114 (DQ), Hilltopfarm_84 (Y), JacAttac_6 (B1), Kabocha_116 (DQ), MissRona_80 (CV), Olive_6 (B1), Oogie_110 (DQ), Pakusa_109 (DQ), PhrostedPhlake_81 (CV), ScarletRaider_113 (DQ), Schomber_113 (DQ), Typha_83 (Y), UBSmoodge_115 (DQ), Walrus_73 (CV),

Start 152:

- Found in 282 of 641 (44.0%) of genes in pham
- Manual Annotations of this start: 3 of 545
- Called 2.5% of time when present
- Phage (with cluster) where this start called: CampRoach_6 (B1), Cornobble_6 (B1), Daka_6 (B1), FluffyNinja_6 (B1), Hartsy_6 (B1), LasagnaCat_6 (B1), Prickles_6 (B1),

Start 154:

- Found in 143 of 641 (22.3%) of genes in pham
- Manual Annotations of this start: 5 of 545
- Called 7.0% of time when present
- Phage (with cluster) where this start called: Andre_7 (B1), Charles1_6 (B1), CherryTomatoes_186 (DO), JDog_6 (B1), Katniss_6 (B1), LeiMonet_6 (B1), Pupper_178 (DO), SCentae_177 (DO), Schueller_6 (B1), Skog_10 (DO),

Start 155:

- Found in 32 of 641 (5.0%) of genes in pham

- Manual Annotations of this start: 1 of 545
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Kaleb_9 (B2), ValentiniPuff_108 (singleton),

Start 157:

- Found in 2 of 641 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: E3_gp158 (singleton),

Start 159:

- Found in 26 of 641 (4.1%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: TA17A_9 (B2),

Start 164:

- Found in 25 of 641 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 545
- Called 4.0% of time when present
- Phage (with cluster) where this start called: Rosebush_9 (B2),

Start 171:

- Found in 81 of 641 (12.6%) of genes in pham
- Manual Annotations of this start: 2 of 545
- Called 2.5% of time when present
- Phage (with cluster) where this start called: Cooper_7 (B4), Phaedrus_7 (B3),

Start 177:

- Found in 17 of 641 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 5.9% of time when present
- Phage (with cluster) where this start called: phiAsp2_46 (singleton),

Start 198:

- Found in 387 of 641 (60.4%) of genes in pham
- Manual Annotations of this start: 4 of 545
- Called 1.0% of time when present
- Phage (with cluster) where this start called: Ashraf_6 (B1), Etaye_6 (B1), ImtiyazSitla_6 (B1), Maskar_6 (B1),

Summary by clusters:

There are 27 clusters represented in this pham: DO, singleton, DE, B12, B13, B10, B11, DR, DQ, EG, Q, Y, CV, DC1, DE1, DE2, DE3, DE4, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster B1:

- Start number 134 was manually annotated 236 times for cluster B1.
- Start number 148 was manually annotated 2 times for cluster B1.
- Start number 152 was manually annotated 3 times for cluster B1.
- Start number 154 was manually annotated 2 times for cluster B1.

- Start number 198 was manually annotated 4 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 136 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 127 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 136 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 127 was manually annotated 1 time for cluster B13.
- Start number 134 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 87 was manually annotated 2 times for cluster B2.
- Start number 134 was manually annotated 29 times for cluster B2.
- Start number 164 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 101 was manually annotated 4 times for cluster B3.
- Start number 104 was manually annotated 7 times for cluster B3.
- Start number 134 was manually annotated 32 times for cluster B3.
- Start number 171 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 121 was manually annotated 3 times for cluster B4.
- Start number 133 was manually annotated 2 times for cluster B4.
- Start number 136 was manually annotated 16 times for cluster B4.
- Start number 171 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 136 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 136 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 134 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 134 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 133 was manually annotated 1 time for cluster B9.
- Start number 134 was manually annotated 3 times for cluster B9.
- Start number 136 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CV:

- Start number 144 was manually annotated 1 time for cluster CV.
- Start number 146 was manually annotated 1 time for cluster CV.
- Start number 148 was manually annotated 7 times for cluster CV.

Info for manual annotations of cluster DC1:

- Start number 147 was manually annotated 16 times for cluster DC1.

Info for manual annotations of cluster DE1:

- Start number 88 was manually annotated 1 time for cluster DE1.
- Start number 108 was manually annotated 1 time for cluster DE1.
- Start number 123 was manually annotated 3 times for cluster DE1.
- Start number 133 was manually annotated 34 times for cluster DE1.
- Start number 134 was manually annotated 3 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 131 was manually annotated 5 times for cluster DE2.
- Start number 133 was manually annotated 2 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 131 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 130 was manually annotated 2 times for cluster DE4.
- Start number 131 was manually annotated 7 times for cluster DE4.

Info for manual annotations of cluster DO:

- Start number 154 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DQ:

- Start number 146 was manually annotated 1 time for cluster DQ.
- Start number 148 was manually annotated 6 times for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 134 was manually annotated 16 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 138 was manually annotated 4 times for cluster EG.
- Start number 143 was manually annotated 30 times for cluster EG.
- Start number 144 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster Q:

- Start number 118 was manually annotated 9 times for cluster Q.
- Start number 147 was manually annotated 11 times for cluster Q.

Info for manual annotations of cluster Y:

- Start number 148 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: 39HC_05 Start: 4719, Stop: 4141, Start Num: 136

Candidate Starts for 39HC_05:

(Start: 136 @4719 has 28 MA's), (179, 4596), (184, 4587), (Start: 198 @4545 has 4 MA's), (218, 4503), (231, 4470), (245, 4428), (253, 4404), (266, 4377), (270, 4365), (271, 4362), (290, 4290), (297,

4263), (303, 4236), (310, 4221), (311, 4218), (331, 4185), (339, 4161),

Gene: 40BC_05 Start: 4719, Stop: 4141, Start Num: 136

Candidate Starts for 40BC_05:

(Start: 136 @4719 has 28 MA's), (179, 4596), (184, 4587), (Start: 198 @4545 has 4 MA's), (218, 4503), (231, 4470), (245, 4428), (253, 4404), (266, 4377), (270, 4365), (271, 4362), (290, 4290), (297, 4263), (303, 4236), (310, 4221), (311, 4218), (331, 4185), (339, 4161),

Gene: ABU_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for ABU_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: APunk_66 Start: 49707, Stop: 50354, Start Num: 131

Candidate Starts for APunk_66:

(112, 49656), (Start: 131 @49707 has 18 MA's), (162, 49785), (177, 49827), (179, 49833), (206, 49899), (244, 50001), (250, 50016), (273, 50076), (275, 50085), (287, 50151), (289, 50160), (314, 50238), (331, 50265), (356, 50343),

Gene: Abblin_66 Start: 50003, Stop: 50650, Start Num: 131

Candidate Starts for Abblin_66:

(77, 49841), (78, 49847), (80, 49865), (112, 49952), (Start: 131 @50003 has 18 MA's), (162, 50081), (177, 50123), (179, 50129), (206, 50195), (218, 50213), (244, 50297), (250, 50312), (273, 50372), (275, 50381), (287, 50447), (289, 50456), (314, 50534), (331, 50561), (356, 50639),

Gene: Abinghost_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Abinghost_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: AbsoluteMadLad_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for AbsoluteMadLad_6:

(Start: 134 @3914 has 322 MA's), (Start: 148 @3884 has 19 MA's), (Start: 152 @3869 has 3 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: Acadian_8 Start: 6215, Stop: 5649, Start Num: 136

Candidate Starts for Acadian_8:

(Start: 136 @6215 has 28 MA's), (156, 6158), (Start: 198 @6056 has 4 MA's), (231, 5978), (245, 5936), (253, 5912), (266, 5885), (270, 5873), (290, 5798), (297, 5771), (326, 5699), (331, 5693),

Gene: Adriana_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Adriana_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Aelin_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Aelin_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Affeca_69 Start: 51998, Stop: 52636, Start Num: 133

Candidate Starts for Affeca_69:

(Start: 133 @51998 has 39 MA's), (194, 52148), (232, 52238), (244, 52277), (250, 52292), (269, 52340), (271, 52346), (283, 52406), (292, 52439), (311, 52520), (338, 52577),

Gene: Ailee_66 Start: 51033, Stop: 51671, Start Num: 133

Candidate Starts for Ailee_66:

(58, 50802), (64, 50826), (Start: 88 @50931 has 1 MA's), (Start: 108 @50979 has 1 MA's), (Start: 123 @51000 has 3 MA's), (Start: 133 @51033 has 39 MA's), (194, 51183), (232, 51273), (244, 51312), (250, 51327), (269, 51375), (271, 51381), (292, 51474), (311, 51555), (338, 51612),

Gene: Akoma_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Akoma_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: AlanGrant_8 Start: 6947, Stop: 6363, Start Num: 136

Candidate Starts for AlanGrant_8:

(Start: 136 @6947 has 28 MA's), (Start: 171 @6842 has 2 MA's), (Start: 198 @6773 has 4 MA's), (231, 6695), (245, 6653), (249, 6641), (253, 6629), (266, 6602), (271, 6587), (286, 6527), (294, 6494), (305, 6452), (316, 6428),

Gene: Ali17_61 Start: 48704, Stop: 49351, Start Num: 131

Candidate Starts for Ali17_61:

(Start: 131 @48704 has 18 MA's), (162, 48782), (179, 48830), (188, 48845), (200, 48902), (206, 48914), (213, 48932), (229, 48974), (244, 49025), (270, 49091), (271, 49094), (285, 49160), (287, 49166), (307, 49238), (331, 49280), (338, 49301),

Gene: Allegro_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Allegro_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Aloki_107 Start: 78726, Stop: 79301, Start Num: 148

Candidate Starts for Aloki_107:

(Start: 148 @78726 has 19 MA's), (151, 78735), (156, 78756), (178, 78795), (203, 78873), (214, 78891), (229, 78921), (234, 78939), (254, 78999), (279, 79074), (294, 79137), (310, 79197), (321, 79221), (327, 79230),

Gene: AltPhacts_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for AltPhacts_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514),

Gene: Altheas_57 Start: 42348, Stop: 41770, Start Num: 143

Candidate Starts for Altheas_57:

(Start: 143 @42348 has 30 MA's), (185, 42237), (261, 42027), (275, 41982), (277, 41976), (286, 41937), (291, 41922), (304, 41868), (339, 41793),

Gene: Altwerkus_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Altwerkus_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: AluminumJesus_52 Start: 41548, Stop: 40976, Start Num: 143

Candidate Starts for AluminumJesus_52:

(Start: 143 @41548 has 30 MA's), (166, 41482), (220, 41344), (223, 41335), (229, 41317), (268, 41209), (273, 41194), (275, 41185), (286, 41140), (290, 41128), (312, 41053), (328, 41023), (339, 40999),

Gene: Amochick_75 Start: 48792, Stop: 49403, Start Num: 147

Candidate Starts for Amochick_75:

(46, 48474), (Start: 118 @48711 has 9 MA's), (Start: 123 @48720 has 3 MA's), (135, 48762), (Start: 147 @48792 has 29 MA's), (Start: 171 @48873 has 2 MA's), (202, 48957), (216, 48981), (220, 48990), (230, 49020), (238, 49053), (266, 49119), (277, 49155), (285, 49209), (292, 49233), (293, 49236), (297, 49251), (303, 49278), (310, 49293), (314, 49302), (324, 49320), (333, 49335),

Gene: Amymech_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Amymech_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: AnClar_5 Start: 5209, Stop: 4682, Start Num: 134

Candidate Starts for AnClar_5:

(Start: 134 @5209 has 322 MA's), (172, 5134), (257, 4939), (259, 4936), (268, 4915), (275, 4891), (277, 4885), (286, 4846), (291, 4831), (294, 4813), (304, 4777), (310, 4765), (339, 4702),

Gene: AnarQue_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for AnarQue_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (342, 5832),

Gene: Anderson_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Anderson_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Andre_7 Start: 3865, Stop: 3365, Start Num: 154

Candidate Starts for Andre_7:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Angelicage_67 Start: 51950, Stop: 52588, Start Num: 133

Candidate Starts for Angelicage_67:

(Start: 133 @51950 has 39 MA's), (194, 52100), (232, 52190), (244, 52229), (250, 52244), (269, 52292), (271, 52298), (283, 52358), (292, 52391), (311, 52472), (338, 52529),

Gene: Antonia_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Antonia_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Apex_6 Start: 5787, Stop: 5203, Start Num: 136

Candidate Starts for Apex_6:

(114, 5847), (Start: 121 @5838 has 3 MA's), (Start: 133 @5796 has 39 MA's), (Start: 136 @5787 has 28 MA's), (Start: 171 @5682 has 2 MA's), (173, 5679), (184, 5655), (Start: 198 @5613 has 4 MA's), (202, 5601), (229, 5538), (245, 5490), (271, 5424), (286, 5364), (297, 5325), (303, 5298), (305, 5292), (310, 5283), (311, 5280), (331, 5247), (338, 5226),

Gene: Apizium_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Apizium_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Arbiter_9 Start: 6447, Stop: 7139, Start Num: 87

Candidate Starts for Arbiter_9:

(82, 6429), (Start: 87 @6447 has 2 MA's), (96, 6468), (98, 6471), (Start: 134 @6564 has 322 MA's), (Start: 155 @6621 has 1 MA's), (159, 6633), (Start: 164 @6651 has 1 MA's), (202, 6744), (208, 6753), (231, 6807), (242, 6843), (243, 6846), (245, 6849), (260, 6885), (273, 6921), (275, 6930), (286, 6975), (287, 6978), (290, 6987), (305, 7047), (308, 7053), (310, 7056), (331, 7092), (339, 7116), (342, 7125),

Gene: Ares_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Ares_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Arri_64 Start: 47218, Stop: 47817, Start Num: 147

Candidate Starts for Arri_64:

(Start: 147 @47218 has 29 MA's), (271, 47533), (275, 47548), (283, 47593), (299, 47650), (304, 47683), (309, 47692), (325, 47722), (331, 47734), (344, 47770), (354, 47800),

Gene: Ashertheman_67 Start: 50107, Stop: 50742, Start Num: 134

Candidate Starts for Ashertheman_67:

(100, 50029), (Start: 134 @50107 has 322 MA's), (232, 50344), (244, 50383), (250, 50398), (264, 50428), (269, 50446), (320, 50644),

Gene: Ashraf_6 Start: 3765, Stop: 3361, Start Num: 198

Candidate Starts for Ashraf_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Athena_9 Start: 6248, Stop: 5625, Start Num: 104

Candidate Starts for Athena_9:

(Start: 104 @6248 has 7 MA's), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294,

5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Audrey_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Audrey_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Austelle_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for Austelle_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Axumite_6 Start: 4904, Stop: 4362, Start Num: 134

Candidate Starts for Axumite_6:

(18, 5378), (44, 5207), (Start: 134 @4904 has 322 MA's), (Start: 154 @4850 has 5 MA's), (179, 4811), (229, 4697), (277, 4565), (286, 4526), (290, 4514), (291, 4511), (295, 4487), (303, 4460), (332, 4406), (339, 4382),

Gene: Azula_80 Start: 50046, Stop: 50630, Start Num: 148

Candidate Starts for Azula_80:

(1, 48945), (2, 48966), (8, 49161), (10, 49203), (11, 49221), (14, 49341), (25, 49608), (38, 49704), (Start: 148 @50046 has 19 MA's), (174, 50127), (176, 50130), (204, 50199), (229, 50250), (230, 50253), (231, 50256), (244, 50295), (252, 50316), (281, 50403), (287, 50442), (291, 50454), (292, 50463), (310, 50523), (324, 50550),

Gene: BabyDotz_53 Start: 42140, Stop: 41568, Start Num: 143

Candidate Starts for BabyDotz_53:

(106, 42227), (Start: 143 @42140 has 30 MA's), (166, 42074), (220, 41936), (223, 41927), (229, 41909), (268, 41801), (273, 41786), (275, 41777), (286, 41732), (312, 41645), (328, 41615), (339, 41591),

Gene: Baddon_65 Start: 50788, Stop: 51423, Start Num: 133

Candidate Starts for Baddon_65:

(Start: 133 @50788 has 39 MA's), (232, 51025), (244, 51064), (250, 51079), (264, 51109), (266, 51118), (269, 51127), (302, 51286), (320, 51325),

Gene: Badfish_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Badfish_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Bae_8 Start: 6221, Stop: 5655, Start Num: 136

Candidate Starts for Bae_8:

(Start: 136 @6221 has 28 MA's), (156, 6164), (Start: 198 @6062 has 4 MA's), (229, 5990), (231, 5984), (233, 5975), (245, 5942), (253, 5918), (270, 5879), (286, 5816), (290, 5804), (297, 5777), (326, 5705), (331, 5699),

Gene: Bakery_68 Start: 49465, Stop: 50097, Start Num: 147

Candidate Starts for Bakery_68:

(Start: 147 @49465 has 29 MA's), (266, 49798), (275, 49828), (282, 49867), (289, 49894), (304, 49963), (306, 49966), (309, 49972), (325, 50002), (331, 50014), (344, 50050), (354, 50080),

Gene: Baloo_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Baloo_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Bananafish_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Bananafish_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (89, 6360), (94, 6372), (96, 6378), (Start: 134 @6474 has 322 MA's), (161, 6546), (170, 6573), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Banjo_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Banjo_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Barb_65 Start: 47095, Stop: 47694, Start Num: 147

Candidate Starts for Barb_65:

(Start: 147 @47095 has 29 MA's), (271, 47410), (275, 47425), (283, 47470), (299, 47527), (304, 47560), (309, 47569), (325, 47599), (331, 47611), (354, 47677),

Gene: Barsten_69 Start: 51643, Stop: 52386, Start Num: 88

Candidate Starts for Barsten_69:

(29, 51355), (34, 51391), (Start: 88 @51643 has 1 MA's), (Start: 108 @51691 has 1 MA's), (Start: 123 @51712 has 3 MA's), (Start: 133 @51748 has 39 MA's), (163, 51823), (230, 51979), (232, 51988), (244, 52027), (250, 52042), (269, 52090), (292, 52189), (311, 52270), (338, 52327),

Gene: Basato_7 Start: 4152, Stop: 3598, Start Num: 134

Candidate Starts for Basato_7:

(Start: 134 @4152 has 322 MA's), (Start: 148 @4122 has 19 MA's), (Start: 152 @4107 has 3 MA's), (Start: 154 @4098 has 5 MA's), (Start: 198 @4002 has 4 MA's), (231, 3927), (242, 3891), (245, 3885), (287, 3756), (290, 3747), (335, 3636),

Gene: BatteryCK_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for BatteryCK_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Baumdotcom_65 Start: 50065, Stop: 50700, Start Num: 133

Candidate Starts for Baumdotcom_65:

(Start: 133 @50065 has 39 MA's), (232, 50302), (244, 50341), (250, 50356), (264, 50386), (266, 50395), (269, 50404), (292, 50503), (320, 50602),

Gene: Beaglebox_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Beaglebox_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Belphegor_62 Start: 49802, Stop: 50470, Start Num: 133

Candidate Starts for Belphegor_62:

(66, 49589), (74, 49628), (86, 49685), (Start: 87 @49691 has 2 MA's), (89, 49694), (91, 49697), (98, 49715), (109, 49742), (Start: 133 @49802 has 39 MA's), (179, 49928), (188, 49943), (200, 50000), (206, 50012), (229, 50072), (244, 50123), (270, 50189), (271, 50192), (275, 50207), (285, 50258), (287, 50264), (307, 50336), (331, 50378),

Gene: Ben11_7 Start: 5262, Stop: 4711, Start Num: 134

Candidate Starts for Ben11_7:

(Start: 101 @5337 has 4 MA's), (111, 5319), (Start: 134 @5262 has 322 MA's), (Start: 171 @5181 has 2 MA's), (184, 5154), (Start: 198 @5115 has 4 MA's), (213, 5082), (219, 5070), (276, 4917), (286, 4875), (294, 4842), (303, 4809), (328, 4758), (339, 4731),

Gene: Bernardo_8 Start: 5441, Stop: 4863, Start Num: 134

Candidate Starts for Bernardo_8:

(Start: 104 @5513 has 7 MA's), (Start: 134 @5441 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Bibwit_67 Start: 50594, Stop: 51265, Start Num: 123

Candidate Starts for Bibwit_67:

(58, 50396), (64, 50420), (Start: 88 @50525 has 1 MA's), (Start: 108 @50573 has 1 MA's), (Start: 123 @50594 has 3 MA's), (Start: 133 @50627 has 39 MA's), (194, 50777), (232, 50867), (244, 50906), (250, 50921), (269, 50969), (271, 50975), (292, 51068), (311, 51149), (338, 51206),

Gene: BiggityBass_5 Start: 4713, Stop: 4186, Start Num: 134

Candidate Starts for BiggityBass_5:

(Start: 134 @4713 has 322 MA's), (Start: 152 @4668 has 3 MA's), (184, 4629), (200, 4587), (253, 4452), (268, 4422), (275, 4398), (277, 4392), (291, 4338), (295, 4314), (303, 4287), (310, 4272),

Gene: Bipper_88 Start: 56814, Stop: 57383, Start Num: 148

Candidate Starts for Bipper_88:

(32, 56400), (33, 56403), (37, 56436), (39, 56439), (54, 56514), (61, 56547), (67, 56571), (76, 56610), (96, 56688), (98, 56691), (Start: 148 @56814 has 19 MA's), (215, 56970), (217, 56973), (222, 56982), (229, 57003), (230, 57006), (250, 57063), (261, 57087), (269, 57111), (270, 57114), (271, 57117), (274, 57129), (287, 57177), (292, 57198), (312, 57264), (316, 57273), (338, 57318), (339, 57321), (351, 57351),

Gene: BirdInFrench_61 Start: 42242, Stop: 41679, Start Num: 143

Candidate Starts for BirdInFrench_61:

(110, 42308), (115, 42299), (Start: 143 @42242 has 30 MA's), (229, 42020), (286, 41846), (287, 41843), (290, 41834), (310, 41765), (339, 41702),

Gene: BirdsNest_10 Start: 4668, Stop: 4063, Start Num: 127

Candidate Starts for BirdsNest_10:

(Start: 127 @4668 has 2 MA's), (132, 4656), (Start: 134 @4647 has 322 MA's), (169, 4554), (177, 4539), (184, 4524), (Start: 198 @4479 has 4 MA's), (231, 4401), (245, 4359), (247, 4356), (286, 4224), (287, 4221), (331, 4107), (336, 4098), (339, 4083),

Gene: Bishoperium_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Bishoperium_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Bizzy_67 Start: 49985, Stop: 50620, Start Num: 133

Candidate Starts for Bizzy_67:

(Start: 133 @49985 has 39 MA's), (232, 50222), (244, 50261), (250, 50276), (264, 50306), (266, 50315), (269, 50324), (283, 50390), (292, 50423), (302, 50483), (320, 50522),

Gene: Blab_52 Start: 41398, Stop: 40823, Start Num: 143

Candidate Starts for Blab_52:

(Start: 143 @41398 has 30 MA's), (166, 41332), (220, 41191), (223, 41182), (229, 41164), (268, 41056), (273, 41041), (275, 41032), (286, 40987), (290, 40975), (312, 40900), (328, 40870), (339, 40846),

Gene: BlackStallion_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for BlackStallion_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Blocker23_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Blocker23_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (94, 6489), (96, 6495), (Start: 134 @6591 has 322 MA's), (161, 6663), (170, 6690), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: BlueHusk_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for BlueHusk_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Blueberry_79 Start: 50046, Stop: 50630, Start Num: 148

Candidate Starts for Blueberry_79:

(1, 48945), (2, 48966), (8, 49161), (10, 49203), (11, 49221), (14, 49341), (25, 49608), (38, 49704), (Start: 148 @50046 has 19 MA's), (174, 50127), (176, 50130), (204, 50199), (229, 50250), (230, 50253), (231, 50256), (244, 50295), (252, 50316), (281, 50403), (287, 50442), (291, 50454), (292, 50463), (310, 50523), (324, 50550),

Gene: Bluephacebaby_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Bluephacebaby_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: BobBob_69 Start: 51250, Stop: 51888, Start Num: 133

Candidate Starts for BobBob_69:

(Start: 133 @51250 has 39 MA's), (163, 51325), (194, 51400), (230, 51481), (232, 51490), (244, 51529), (250, 51544), (269, 51592), (283, 51658), (292, 51691), (311, 51772), (338, 51829),

Gene: BobbyK_7 Start: 6240, Stop: 5677, Start Num: 136

Candidate Starts for BobbyK_7:

(114, 6300), (Start: 121 @6291 has 3 MA's), (Start: 133 @6249 has 39 MA's), (Start: 136 @6240 has 28 MA's), (Start: 198 @6084 has 4 MA's), (202, 6072), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (266, 5913), (270, 5901), (286, 5838), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (331, 5721), (338, 5700),

Gene: Boehler_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Boehler_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Boyle_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Boyle_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (161, 6663), (170, 6690), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (304, 7071), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Brandonk123_73 Start: 51642, Stop: 52280, Start Num: 133

Candidate Starts for Brandonk123_73:

(Start: 133 @51642 has 39 MA's), (194, 51792), (230, 51873), (232, 51882), (244, 51921), (250, 51936), (269, 51984), (292, 52083), (311, 52164), (338, 52221),

Gene: Briakila_8 Start: 6278, Stop: 5625, Start Num: 101

Candidate Starts for Briakila_8:

(Start: 101 @6278 has 4 MA's), (111, 6260), (Start: 134 @6203 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Brilliant_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Brilliant_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: BrownCNA_7 Start: 6240, Stop: 5680, Start Num: 136

Candidate Starts for BrownCNA_7:

(Start: 88 @6360 has 1 MA's), (90, 6357), (Start: 136 @6240 has 28 MA's), (Start: 198 @6084 has 4 MA's), (202, 6072), (208, 6063), (229, 6015), (245, 5967), (249, 5955), (253, 5943), (266, 5916), (270, 5904), (294, 5808), (303, 5775), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Brownie5_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Brownie5_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Buckeye_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Buckeye_6:

(99, 4003), (126, 3943), (Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Burr_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Burr_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: CRB2_9 Start: 6920, Stop: 6342, Start Num: 134

Candidate Starts for CRB2_9:

(Start: 134 @6920 has 322 MA's), (Start: 154 @6866 has 5 MA's), (177, 6818), (Start: 198 @6755 has 4 MA's), (231, 6680), (242, 6644), (245, 6638), (253, 6614), (270, 6575), (279, 6542), (286, 6503), (287, 6500), (290, 6491), (297, 6464), (305, 6431), (339, 6362),

Gene: CaiB_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for CaiB_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (218, 6192), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (319, 5886), (342, 5832),

Gene: Calamitous_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Calamitous_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: CamL_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for CamL_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: CampRoach_6 Start: 3870, Stop: 3361, Start Num: 152

Candidate Starts for CampRoach_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: CandC_60 Start: 41891, Stop: 41328, Start Num: 143

Candidate Starts for CandC_60:

(49, 42188), (Start: 143 @41891 has 30 MA's), (197, 41747), (287, 41492), (290, 41483), (310, 41414), (339, 41351),

Gene: Cannibal_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Cannibal_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Cantare_75 Start: 61854, Stop: 62366, Start Num: 146

Candidate Starts for Cantare_75:

(Start: 146 @61854 has 3 MA's), (160, 61902), (168, 61914), (194, 61965), (235, 62064), (246, 62094), (253, 62118), (266, 62148), (267, 62151), (296, 62265), (303, 62286), (317, 62319),

Gene: Carthage_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Carthage_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Casbah_7 Start: 5262, Stop: 4711, Start Num: 134

Candidate Starts for Casbah_7:

(Start: 104 @5334 has 7 MA's), (Start: 134 @5262 has 322 MA's), (Start: 171 @5181 has 2 MA's), (184, 5154), (Start: 198 @5115 has 4 MA's), (213, 5082), (219, 5070), (276, 4917), (286, 4875), (294, 4842), (303, 4809), (328, 4758), (339, 4731),

Gene: Casend_54 Start: 41950, Stop: 41372, Start Num: 143

Candidate Starts for Casend_54:

(59, 42193), (102, 42031), (Start: 143 @41950 has 30 MA's), (185, 41839), (223, 41734), (261, 41629), (275, 41584), (277, 41578), (286, 41539), (291, 41524), (304, 41470), (339, 41395),

Gene: ChaChing_8 Start: 5429, Stop: 4860, Start Num: 134

Candidate Starts for ChaChing_8:

(Start: 101 @5504 has 4 MA's), (111, 5486), (Start: 134 @5429 has 322 MA's), (Start: 171 @5330 has 2 MA's), (184, 5303), (Start: 198 @5264 has 4 MA's), (213, 5231), (219, 5219), (276, 5066), (286, 5024), (294, 4991), (303, 4958), (328, 4907), (339, 4880),

Gene: ChadMasterC_68 Start: 53124, Stop: 53762, Start Num: 133

Candidate Starts for ChadMasterC_68:

(29, 52734), (34, 52770), (36, 52788), (70, 52938), (Start: 88 @53022 has 1 MA's), (Start: 108 @53070 has 1 MA's), (Start: 123 @53091 has 3 MA's), (Start: 133 @53124 has 39 MA's), (163, 53199), (194, 53274), (232, 53364), (244, 53403), (250, 53418), (269, 53466), (271, 53472), (283, 53532), (289, 53553), (292, 53565), (311, 53646), (338, 53703),

Gene: Chaelin_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Chaelin_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511),

Gene: Chah_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Chah_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Chandler_8 Start: 6176, Stop: 5625, Start Num: 134

Candidate Starts for Chandler_8:

(Start: 104 @6248 has 7 MA's), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Charles1_6 Start: 3864, Stop: 3364, Start Num: 154

Candidate Starts for Charles1_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: CharlieGBrown_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for CharlieGBrown_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: CharlottesWeb_6 Start: 4909, Stop: 4358, Start Num: 134

Candidate Starts for CharlottesWeb_6:

(Start: 134 @4909 has 322 MA's), (170, 4828), (Start: 171 @4822 has 2 MA's), (179, 4804), (184, 4795), (229, 4693), (259, 4609), (275, 4564), (277, 4558), (286, 4519), (290, 4507), (291, 4504), (295, 4480), (303, 4453), (304, 4450), (339, 4378),

Gene: Charming_72 Start: 50994, Stop: 51632, Start Num: 133

Candidate Starts for Charming_72:

(Start: 133 @50994 has 39 MA's), (194, 51144), (230, 51225), (232, 51234), (244, 51273), (250, 51288), (269, 51336), (292, 51435), (311, 51516), (338, 51573),

Gene: CheetO_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for CheetO_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Cher_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Cher_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: CherryTomatoes_186 Start: 130723, Stop: 131295, Start Num: 154

Candidate Starts for CherryTomatoes_186:

(24, 130210), (95, 130567), (97, 130570), (Start: 154 @130723 has 5 MA's), (165, 130759), (Start: 171 @130777 has 2 MA's), (200, 130855), (209, 130873), (226, 130915), (242, 130963), (271, 131035), (286, 131095), (347, 131260),

Gene: Chickadee_62 Start: 45756, Stop: 46382, Start Num: 131

Candidate Starts for Chickadee_62:

(Start: 131 @45756 has 18 MA's), (Start: 155 @45813 has 1 MA's), (188, 45897), (219, 45969), (229, 45999), (265, 46098), (287, 46200), (302, 46260), (331, 46314), (337, 46329),

Gene: Chidiebere_115 Start: 79856, Stop: 80431, Start Num: 148

Candidate Starts for Chidiebere_115:

(Start: 148 @79856 has 19 MA's), (151, 79865), (156, 79886), (178, 79925), (203, 80003), (214, 80021), (229, 80051), (234, 80069), (254, 80129), (279, 80204), (294, 80267), (310, 80327), (321, 80351), (327, 80360),

Gene: Childish_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Childish_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: ChisanaKitsune_114 Start: 78857, Stop: 79432, Start Num: 148

Candidate Starts for ChisanaKitsune_114:

(Start: 148 @78857 has 19 MA's), (151, 78866), (214, 79022), (229, 79052), (234, 79070), (235, 79073), (254, 79130), (279, 79205), (310, 79328), (311, 79331), (321, 79352), (327, 79361),

Gene: Chorkpop_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Chorkpop_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: ChrisnMich_6 Start: 5152, Stop: 4583, Start Num: 133

Candidate Starts for ChrisnMich_6:

(Start: 133 @5152 has 39 MA's), (Start: 136 @5143 has 28 MA's), (Start: 198 @4987 has 4 MA's), (202, 4975), (229, 4918), (242, 4876), (245, 4870), (249, 4858), (294, 4711), (303, 4678), (304, 4675), (310, 4663), (311, 4660), (331, 4627), (338, 4606),

Gene: Chunky_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Chunky_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Chute_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Chute_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: ClamChowder_65 Start: 47095, Stop: 47694, Start Num: 147

Candidate Starts for ClamChowder_65:

(Start: 147 @47095 has 29 MA's), (271, 47410), (275, 47425), (283, 47470), (299, 47527), (304, 47560), (309, 47569), (325, 47599), (331, 47611), (354, 47677),

Gene: CloverMinnie_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for CloverMinnie_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (218, 6192), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (342, 5832),

Gene: Cobra_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Cobra_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Coffee_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Coffee_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (94, 6489), (96, 6495), (Start: 134 @6591 has 322 MA's), (161, 6663), (170, 6690), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Colbert_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Colbert_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Coletti_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Coletti_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Compostia_8 Start: 5421, Stop: 4870, Start Num: 134

Candidate Starts for Compostia_8:

(Start: 104 @5493 has 7 MA's), (Start: 134 @5421 has 322 MA's), (Start: 171 @5340 has 2 MA's), (184, 5313), (Start: 198 @5274 has 4 MA's), (213, 5241), (219, 5229), (276, 5076), (286, 5034), (294, 5001), (303, 4968), (328, 4917), (339, 4890),

Gene: Cooper_7 Start: 5099, Stop: 4623, Start Num: 171

Candidate Starts for Cooper_7:

(Start: 133 @5213 has 39 MA's), (Start: 136 @5204 has 28 MA's), (Start: 171 @5099 has 2 MA's), (173, 5096), (184, 5072), (Start: 198 @5030 has 4 MA's), (202, 5018), (229, 4958), (245, 4910), (253, 4886), (271, 4844), (286, 4784), (297, 4745), (305, 4712), (310, 4703), (311, 4700), (331, 4667), (338, 4646),

Gene: Cornobble_6 Start: 3871, Stop: 3362, Start Num: 152

Candidate Starts for Cornobble_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Corofin_8 Start: 5438, Stop: 4860, Start Num: 134

Candidate Starts for Corofin_8:

(Start: 104 @5510 has 7 MA's), (Start: 134 @5438 has 322 MA's), (Start: 171 @5330 has 2 MA's), (184, 5303), (Start: 198 @5264 has 4 MA's), (213, 5231), (219, 5219), (276, 5066), (286, 5024), (294, 4991), (303, 4958), (328, 4907), (339, 4880),

Gene: Cosmolli16_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Cosmolli16_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Cracklewink_89 Start: 56009, Stop: 56578, Start Num: 148

Candidate Starts for Cracklewink_89:

(129, 55973), (Start: 148 @56009 has 19 MA's), (215, 56165), (217, 56168), (222, 56177), (229, 56198), (230, 56201), (250, 56258), (261, 56282), (269, 56306), (270, 56309), (271, 56312), (274, 56324), (287, 56372), (292, 56393), (312, 56459), (316, 56468), (338, 56513), (339, 56516), (351, 56546),

Gene: Craff_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Craff_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Crownjwl_7 Start: 4153, Stop: 3599, Start Num: 134

Candidate Starts for Crownjwl_7:

(Start: 134 @4153 has 322 MA's), (Start: 152 @4108 has 3 MA's), (Start: 154 @4099 has 5 MA's), (Start: 198 @4003 has 4 MA's), (231, 3928), (242, 3892), (245, 3886), (287, 3757), (290, 3748),

Gene: DaddyDaniels_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for DaddyDaniels_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Daegal_76 Start: 49270, Stop: 49962, Start Num: 118

Candidate Starts for Daegal_76:

(46, 49033), (Start: 118 @49270 has 9 MA's), (Start: 123 @49279 has 3 MA's), (135, 49321), (Start: 147 @49351 has 29 MA's), (Start: 171 @49432 has 2 MA's), (202, 49516), (216, 49540), (220, 49549), (230, 49579), (238, 49612), (266, 49678), (277, 49714), (285, 49768), (292, 49792), (293, 49795), (297, 49810), (303, 49837), (310, 49852), (314, 49861), (324, 49879), (333, 49894),

Gene: Daffy_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Daffy_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Daisy_8 Start: 5492, Stop: 4866, Start Num: 101

Candidate Starts for Daisy_8:

(Start: 101 @5492 has 4 MA's), (111, 5474), (Start: 134 @5417 has 322 MA's), (Start: 171 @5336 has 2 MA's), (184, 5309), (Start: 198 @5270 has 4 MA's), (213, 5237), (219, 5225), (276, 5072), (286, 5030), (294, 4997), (303, 4964), (328, 4913), (339, 4886),

Gene: Daka_6 Start: 3876, Stop: 3367, Start Num: 152

Candidate Starts for Daka_6:

(Start: 134 @3921 has 322 MA's), (Start: 148 @3891 has 19 MA's), (Start: 152 @3876 has 3 MA's), (Start: 198 @3771 has 4 MA's), (231, 3696), (242, 3660), (245, 3654), (287, 3525), (290, 3516), (335, 3405),

Gene: DalanDe_97 Start: 77200, Stop: 77709, Start Num: 146

Candidate Starts for DalanDe_97:

(125, 77146), (Start: 146 @77200 has 3 MA's), (151, 77215), (Start: 152 @77221 has 3 MA's), (185, 77290), (207, 77362), (218, 77380), (221, 77389), (226, 77398), (229, 77404), (231, 77410), (240, 77440), (245, 77452), (278, 77551), (287, 77587), (288, 77590), (296, 77626), (303, 77647), (310, 77662), (318, 77680), (334, 77704),

Gene: Danyall_64 Start: 47189, Stop: 47788, Start Num: 147

Candidate Starts for Danyall_64:

(Start: 147 @47189 has 29 MA's), (275, 47519), (283, 47564), (299, 47621), (304, 47654), (309, 47663), (325, 47693), (331, 47705), (354, 47771),

Gene: Dati_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Dati_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Deenasa_8 Start: 6176, Stop: 5625, Start Num: 134

Candidate Starts for Deenasa_8:

(Start: 104 @6248 has 7 MA's), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: DeepSoil15_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for DeepSoil15_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: DelRivs_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for DelRivs_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Delrey21_65 Start: 50949, Stop: 51596, Start Num: 131

Candidate Starts for Delrey21_65:

(77, 50787), (78, 50793), (80, 50811), (112, 50898), (Start: 131 @50949 has 18 MA's), (162, 51027), (177, 51069), (179, 51075), (188, 51090), (206, 51141), (229, 51192), (250, 51258), (287, 51393), (289, 51402), (314, 51480), (331, 51507), (356, 51585),

Gene: Derg_64 Start: 48781, Stop: 49416, Start Num: 133

Candidate Starts for Derg_64:

(Start: 133 @48781 has 39 MA's), (232, 49018), (244, 49057), (250, 49072), (264, 49102), (266, 49111), (269, 49120), (311, 49300), (320, 49318),

Gene: Derpp_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Derpp_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Devonte_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Devonte_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Dewey_67 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Dewey_67:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Dxdert_63 Start: 45910, Stop: 46542, Start Num: 131

Candidate Starts for Dxdert_63:

(Start: 131 @45910 has 18 MA's), (188, 46051), (229, 46153), (244, 46204), (250, 46219), (273, 46279), (287, 46354), (302, 46414), (314, 46441), (331, 46468), (337, 46483), (355, 46531),

Gene: Dice_7 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Dice_7:

(Start: 134 @3917 has 322 MA's), (Start: 148 @3887 has 19 MA's), (Start: 152 @3872 has 3 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: DigitDog_8 Start: 6203, Stop: 5640, Start Num: 136

Candidate Starts for DigitDog_8:

(Start: 136 @6203 has 28 MA's), (156, 6146), (Start: 198 @6047 has 4 MA's), (231, 5969), (245, 5927), (253, 5903), (270, 5864), (286, 5801), (287, 5798), (290, 5789), (297, 5762), (326, 5690), (331, 5684), (338, 5663), (342, 5651),

Gene: Dingo_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Dingo_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Dione_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Dione_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: DirtJuice_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for DirtJuice_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: DoctorFroggo_65 Start: 50949, Stop: 51596, Start Num: 131

Candidate Starts for DoctorFroggo_65:

(77, 50787), (78, 50793), (80, 50811), (112, 50898), (Start: 131 @50949 has 18 MA's), (162, 51027), (177, 51069), (179, 51075), (188, 51090), (206, 51141), (229, 51192), (250, 51258), (287, 51393), (289, 51402), (314, 51480), (331, 51507), (356, 51585),

Gene: Doddsville_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Doddsville_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: DoesntMatter_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for DoesntMatter_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: DonSanchon_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for DonSanchon_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: DonaldDuck_53 Start: 41299, Stop: 40721, Start Num: 143

Candidate Starts for DonaldDuck_53:

(59, 41542), (102, 41380), (Start: 143 @41299 has 30 MA's), (185, 41188), (223, 41083), (261, 40978), (275, 40933), (277, 40927), (286, 40888), (291, 40873), (304, 40819), (339, 40744),

Gene: Donny_8 Start: 6217, Stop: 5651, Start Num: 136

Candidate Starts for Donny_8:

(Start: 136 @6217 has 28 MA's), (156, 6160), (Start: 198 @6058 has 4 MA's), (231, 5980), (245, 5938), (253, 5914), (266, 5887), (270, 5875), (290, 5800), (297, 5773), (326, 5701), (331, 5695),

Gene: DuchessDung_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for DuchessDung_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Duggie_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Duggie_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Durga_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for Durga_6:

(Start: 134 @3914 has 322 MA's), (Start: 152 @3869 has 3 MA's), (Start: 154 @3860 has 5 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: E3_gp158 Start: 109470, Stop: 110030, Start Num: 157

Candidate Starts for E3_gp158:

(113, 109350), (132, 109401), (149, 109449), (157, 109470), (158, 109476), (186, 109545), (190, 109551), (214, 109629), (229, 109668), (230, 109671), (231, 109674), (271, 109782), (286, 109842), (315, 109935),

Gene: EMoore_63 Start: 50022, Stop: 50669, Start Num: 133

Candidate Starts for EMoore_63:

(Start: 133 @50022 has 39 MA's), (179, 50148), (188, 50163), (200, 50220), (206, 50232), (213, 50250), (229, 50292), (244, 50343), (251, 50361), (270, 50409), (271, 50412), (285, 50478), (287, 50484), (307, 50556), (331, 50598), (338, 50619),

Gene: Eaglehorse_9 Start: 6492, Stop: 7067, Start Num: 134

Candidate Starts for Eaglehorse_9:

(82, 6357), (Start: 87 @6375 has 2 MA's), (96, 6396), (98, 6399), (Start: 134 @6492 has 322 MA's), (Start: 155 @6549 has 1 MA's), (159, 6561), (Start: 164 @6579 has 1 MA's), (202, 6672), (208, 6681), (231, 6735), (242, 6771), (243, 6774), (245, 6777), (260, 6813), (273, 6849), (275, 6858), (286, 6903), (287, 6906), (290, 6915), (305, 6975), (308, 6981), (310, 6984), (331, 7020), (339, 7044), (342, 7053),

Gene: EastView9101_8 Start: 6217, Stop: 5651, Start Num: 136

Candidate Starts for EastView9101_8:

(Start: 136 @6217 has 28 MA's), (156, 6160), (Start: 198 @6058 has 4 MA's), (231, 5980), (245, 5938), (253, 5914), (266, 5887), (270, 5875), (290, 5800), (297, 5773), (326, 5701), (331, 5695),

Gene: EdmundFerry_59 Start: 44985, Stop: 45611, Start Num: 131

Candidate Starts for EdmundFerry_59:

(Start: 131 @44985 has 18 MA's), (188, 45126), (229, 45228), (265, 45327), (287, 45429), (302, 45489), (331, 45543), (337, 45558),

Gene: Ein37_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Ein37_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220,

48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Emiris_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Emiris_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: EmpTee_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for EmpTee_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Eremos_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Eremos_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Etaye_6 Start: 3765, Stop: 3361, Start Num: 198

Candidate Starts for Etaye_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Eugenia_7 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Eugenia_7:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Evaa_7 Start: 6193, Stop: 5651, Start Num: 134

Candidate Starts for Evaa_7:

(44, 6520), (Start: 134 @6193 has 322 MA's), (195, 6064), (213, 6022), (223, 6001), (229, 5989), (231, 5983), (244, 5944), (266, 5890), (270, 5878), (276, 5857), (286, 5815), (310, 5734),

Gene: Evamon_62 Start: 46633, Stop: 47232, Start Num: 147

Candidate Starts for Evamon_62:

(Start: 147 @46633 has 29 MA's), (271, 46948), (275, 46963), (283, 47008), (299, 47065), (301, 47080), (304, 47098), (309, 47107), (313, 47116), (325, 47137), (331, 47149), (354, 47215),

Gene: Evanesce_73 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Evanesce_73:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Fang_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Fang_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

3403),

Gene: Faze9_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Faze9_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (94, 6489), (96, 6495), (Start: 134 @6591 has 322 MA's), (161, 6663), (170, 6690), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Finch_5 Start: 2997, Stop: 3599, Start Num: 145

Candidate Starts for Finch_5:

(99, 2898), (Start: 145 @2997 has 1 MA's), (169, 3066), (211, 3171), (227, 3213), (231, 3222), (252, 3285), (264, 3309), (267, 3321), (272, 3336), (286, 3390), (287, 3393), (297, 3429), (303, 3456), (307, 3465), (339, 3531),

Gene: Fireball_66 Start: 47491, Stop: 48090, Start Num: 147

Candidate Starts for Fireball_66:

(69, 47263), (Start: 147 @47491 has 29 MA's), (271, 47806), (275, 47821), (283, 47866), (299, 47923), (304, 47956), (309, 47965), (325, 47995), (331, 48007), (344, 48043), (354, 48073),

Gene: Fitzgerald_67 Start: 51775, Stop: 52413, Start Num: 133

Candidate Starts for Fitzgerald_67:

(58, 51544), (64, 51568), (Start: 88 @51673 has 1 MA's), (Start: 108 @51721 has 1 MA's), (Start: 123 @51742 has 3 MA's), (Start: 133 @51775 has 39 MA's), (194, 51925), (232, 52015), (244, 52054), (250, 52069), (269, 52117), (271, 52123), (292, 52216), (311, 52297), (338, 52354),

Gene: Fizzles_56 Start: 42284, Stop: 41706, Start Num: 143

Candidate Starts for Fizzles_56:

(Start: 143 @42284 has 30 MA's), (185, 42173), (208, 42104), (209, 42101), (223, 42068), (254, 41975), (275, 41918), (286, 41873), (291, 41858), (304, 41804), (339, 41729),

Gene: Flatwoods_67 Start: 49662, Stop: 50297, Start Num: 133

Candidate Starts for Flatwoods_67:

(Start: 133 @49662 has 39 MA's), (232, 49899), (244, 49938), (250, 49953), (264, 49983), (266, 49992), (269, 50001), (292, 50100), (302, 50160), (320, 50199),

Gene: FluffyNinja_6 Start: 3871, Stop: 3362, Start Num: 152

Candidate Starts for FluffyNinja_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: FlyingTortilla_113 Start: 82708, Stop: 83283, Start Num: 148

Candidate Starts for FlyingTortilla_113:

(Start: 148 @82708 has 19 MA's), (187, 82792), (194, 82822), (229, 82903), (234, 82921), (235, 82924), (249, 82966), (264, 82999), (278, 83053), (279, 83056), (310, 83179), (327, 83212), (334, 83224),

Gene: Forge_67 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Forge_67:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Fortunato_7 Start: 6288, Stop: 5677, Start Num: 121

Candidate Starts for Fortunato_7:

(114, 6297), (Start: 121 @6288 has 3 MA's), (Start: 133 @6246 has 39 MA's), (Start: 136 @6237 has 28 MA's), (Start: 198 @6081 has 4 MA's), (202, 6069), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (253, 5940), (266, 5913), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (326, 5727), (331, 5721), (338, 5700),

Gene: Fosterous_71 Start: 51988, Stop: 52626, Start Num: 133

Candidate Starts for Fosterous_71:

(Start: 133 @51988 has 39 MA's), (194, 52138), (230, 52219), (232, 52228), (244, 52267), (250, 52282), (269, 52330), (292, 52429), (311, 52510), (338, 52567),

Gene: Fozzie_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Fozzie_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Frankicide_6 Start: 3920, Stop: 3366, Start Num: 134

Candidate Starts for Frankicide_6:

(Start: 134 @3920 has 322 MA's), (Start: 148 @3890 has 19 MA's), (Start: 152 @3875 has 3 MA's), (Start: 154 @3866 has 5 MA's), (Start: 198 @3770 has 4 MA's), (231, 3695), (242, 3659), (245, 3653), (287, 3524), (290, 3515), (335, 3404),

Gene: Fransoyer_57 Start: 43875, Stop: 43294, Start Num: 143

Candidate Starts for Fransoyer_57:

(40, 44238), (Start: 143 @43875 has 30 MA's), (173, 43794), (181, 43773), (208, 43698), (223, 43662), (233, 43629), (269, 43533), (271, 43527), (275, 43512), (287, 43461), (339, 43320), (344, 43308),

Gene: Frederick_7 Start: 6252, Stop: 5680, Start Num: 133

Candidate Starts for Frederick_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (286, 5841), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: FrenchFry_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for FrenchFry_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (231, 6834), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Fresco_6 Start: 4904, Stop: 4362, Start Num: 134

Candidate Starts for Fresco_6:

(18, 5378), (44, 5207), (Start: 134 @4904 has 322 MA's), (Start: 154 @4850 has 5 MA's), (179, 4811), (229, 4697), (277, 4565), (286, 4526), (290, 4514), (291, 4511), (295, 4487), (303, 4460), (332, 4406), (339, 4382),

Gene: Freya_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Freya_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514),

Gene: FriarPreacher_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for FriarPreacher_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Fringe_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Fringe_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Frokostdame_79 Start: 49511, Stop: 50095, Start Num: 148

Candidate Starts for Frokostdame_79:

(38, 49172), (Start: 148 @49511 has 19 MA's), (174, 49592), (176, 49595), (204, 49664), (229, 49715), (230, 49718), (231, 49721), (244, 49760), (252, 49781), (281, 49868), (282, 49892), (287, 49907), (291, 49919), (292, 49928), (310, 49988), (349, 50078),

Gene: FugateOSU_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for FugateOSU_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Fugax_66 Start: 47087, Stop: 47686, Start Num: 147

Candidate Starts for Fugax_66:

(Start: 147 @47087 has 29 MA's), (271, 47402), (275, 47417), (283, 47462), (299, 47519), (304, 47552), (309, 47561), (325, 47591), (331, 47603), (354, 47669),

Gene: Funsized_11 Start: 8078, Stop: 7494, Start Num: 136

Candidate Starts for Funsized_11:

(Start: 127 @8102 has 2 MA's), (Start: 136 @8078 has 28 MA's), (Start: 138 @8072 has 4 MA's), (Start: 171 @7973 has 2 MA's), (179, 7955), (Start: 198 @7904 has 4 MA's), (229, 7829), (233, 7814), (245, 7781), (249, 7769), (266, 7730), (268, 7724), (270, 7718), (271, 7715), (286, 7655), (310, 7574), (311, 7571), (319, 7553), (331, 7538), (338, 7517), (339, 7514),

Gene: GMA6_97 Start: 70563, Stop: 71153, Start Num: 144

Candidate Starts for GMA6_97:

(Start: 144 @70563 has 2 MA's), (156, 70602), (160, 70614), (178, 70647), (201, 70719), (234, 70791), (235, 70794), (267, 70881), (298, 71004), (310, 71049), (334, 71094), (340, 71121), (352, 71148),

Gene: GTE6_62 Start: 46212, Stop: 46838, Start Num: 131

Candidate Starts for GTE6_62:

(Start: 131 @46212 has 18 MA's), (Start: 155 @46269 has 1 MA's), (188, 46353), (229, 46455), (265, 46554), (287, 46656), (302, 46716), (331, 46770), (337, 46785),

Gene: Gadget_9 Start: 5418, Stop: 4867, Start Num: 134

Candidate Starts for Gadget_9:

(Start: 101 @5493 has 4 MA's), (111, 5475), (Start: 134 @5418 has 322 MA's), (Start: 171 @5337 has 2 MA's), (184, 5310), (Start: 198 @5271 has 4 MA's), (213, 5238), (219, 5226), (276, 5073), (286, 5031), (294, 4998), (303, 4965), (328, 4914), (339, 4887),

Gene: Gaea_67 Start: 49891, Stop: 50526, Start Num: 134

Candidate Starts for Gaea_67:

(100, 49813), (Start: 134 @49891 has 322 MA's), (194, 50038), (232, 50128), (244, 50167), (250, 50182), (268, 50227), (271, 50236), (283, 50296), (292, 50329), (320, 50428),

Gene: Galadriel_68 Start: 51942, Stop: 52580, Start Num: 133

Candidate Starts for Galadriel_68:

(Start: 133 @51942 has 39 MA's), (194, 52092), (232, 52182), (244, 52221), (250, 52236), (269, 52284), (271, 52290), (292, 52383), (311, 52464), (338, 52521),

Gene: Gambino_82 Start: 50046, Stop: 50630, Start Num: 148

Candidate Starts for Gambino_82:

(1, 48945), (2, 48966), (8, 49161), (10, 49203), (11, 49221), (14, 49341), (25, 49608), (38, 49704), (Start: 148 @50046 has 19 MA's), (174, 50127), (176, 50130), (204, 50199), (229, 50250), (230, 50253), (231, 50256), (244, 50295), (252, 50316), (281, 50403), (287, 50442), (291, 50454), (292, 50463), (310, 50523), (324, 50550),

Gene: Gancho_73 Start: 48020, Stop: 48631, Start Num: 147

Candidate Starts for Gancho_73:

(Start: 118 @47939 has 9 MA's), (Start: 123 @47948 has 3 MA's), (135, 47990), (Start: 147 @48020 has 29 MA's), (Start: 171 @48101 has 2 MA's), (202, 48185), (216, 48209), (220, 48218), (230, 48248), (238, 48281), (266, 48347), (277, 48383), (285, 48437), (292, 48461), (293, 48464), (297, 48479), (303, 48506), (310, 48521), (314, 48530), (324, 48548), (333, 48563),

Gene: Gareth_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Gareth_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Gazebo_53 Start: 41824, Stop: 41252, Start Num: 143

Candidate Starts for Gazebo_53:

(117, 41884), (Start: 143 @41824 has 30 MA's), (166, 41758), (220, 41620), (223, 41611), (229, 41593), (268, 41485), (273, 41470), (275, 41461), (286, 41416), (290, 41404), (312, 41329), (328, 41299), (339, 41275),

Gene: GeneCoco_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for GeneCoco_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Geodirt_67 Start: 52126, Stop: 52818, Start Num: 108

Candidate Starts for Geodirt_67:

(29, 51799), (34, 51835), (Start: 88 @52078 has 1 MA's), (Start: 108 @52126 has 1 MA's), (Start: 123 @52147 has 3 MA's), (Start: 133 @52180 has 39 MA's), (163, 52255), (194, 52330), (232, 52420), (244, 52459), (250, 52474), (269, 52522), (271, 52528), (289, 52609), (292, 52621), (311, 52702), (338, 52759),

Gene: Gervas_8 Start: 5408, Stop: 4863, Start Num: 134

Candidate Starts for Gervas_8:

(Start: 104 @5480 has 7 MA's), (Start: 134 @5408 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Giles_67 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Giles_67:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Giraffe_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Giraffe_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Glass_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Glass_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (231, 6834), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: GlenHope_9 Start: 5427, Stop: 4876, Start Num: 134

Candidate Starts for GlenHope_9:

(Start: 104 @5499 has 7 MA's), (Start: 134 @5427 has 322 MA's), (Start: 171 @5346 has 2 MA's), (184, 5319), (Start: 198 @5280 has 4 MA's), (213, 5247), (219, 5235), (276, 5082), (286, 5040), (294, 5007), (303, 4974), (328, 4923), (339, 4896),

Gene: Godines_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Godines_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (161, 6546), (170, 6573), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Gophee_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Gophee_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Grand2040_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Grand2040_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Grassboy_56 Start: 41958, Stop: 41386, Start Num: 143

Candidate Starts for Grassboy_56:

(106, 42045), (Start: 143 @41958 has 30 MA's), (166, 41892), (220, 41754), (223, 41745), (229, 41727), (268, 41619), (273, 41604), (275, 41595), (286, 41550), (290, 41538), (312, 41463), (328, 41433), (339, 41409),

Gene: Gray_112 Start: 79189, Stop: 79764, Start Num: 148

Candidate Starts for Gray_112:

(Start: 148 @79189 has 19 MA's), (151, 79198), (156, 79219), (178, 79258), (203, 79336), (214, 79354), (229, 79384), (234, 79402), (254, 79462), (279, 79537), (294, 79600), (310, 79660), (321, 79684), (327, 79693),

Gene: Gustavo_68 Start: 50864, Stop: 51499, Start Num: 133

Candidate Starts for Gustavo_68:

(Start: 133 @50864 has 39 MA's), (232, 51101), (244, 51140), (250, 51155), (264, 51185), (266, 51194), (269, 51203), (292, 51302), (302, 51362), (320, 51401),

Gene: Gwilliam_7 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Gwilliam_7:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Gyarad_006 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Gyarad_006:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: HH92_73 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for HH92_73:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: HSavage_6 Start: 3920, Stop: 3366, Start Num: 134

Candidate Starts for HSavage_6:

(Start: 134 @3920 has 322 MA's), (Start: 148 @3890 has 19 MA's), (Start: 152 @3875 has 3 MA's), (Start: 198 @3770 has 4 MA's), (231, 3695), (242, 3659), (245, 3653), (287, 3524), (290, 3515), (335, 3404),

Gene: Hadrien_71 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Hadrien_71:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Hail_67 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Hail_67:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Haimas_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Haimas_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Haleema_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Haleema_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Halfpint_7 Start: 5262, Stop: 4711, Start Num: 134

Candidate Starts for Halfpint_7:

(Start: 104 @5334 has 7 MA's), (Start: 134 @5262 has 322 MA's), (Start: 171 @5181 has 2 MA's), (184, 5154), (Start: 198 @5115 has 4 MA's), (213, 5082), (219, 5070), (276, 4917), (286, 4875), (294, 4842), (303, 4809), (328, 4758), (339, 4731),

Gene: Hamish_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Hamish_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Hanem_114 Start: 78726, Stop: 79301, Start Num: 148

Candidate Starts for Hanem_114:

(Start: 148 @78726 has 19 MA's), (151, 78735), (156, 78756), (178, 78795), (203, 78873), (214, 78891), (229, 78921), (234, 78939), (254, 78999), (279, 79074), (294, 79137), (310, 79197), (321, 79221), (327, 79230),

Gene: Hangman_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for Hangman_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (286, 5841), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Hans_66 Start: 49390, Stop: 50037, Start Num: 131

Candidate Starts for Hans_66:

(Start: 131 @49390 has 18 MA's), (179, 49516), (188, 49531), (200, 49588), (206, 49600), (212, 49612), (213, 49618), (229, 49660), (235, 49681), (244, 49711), (270, 49777), (271, 49780), (285, 49846), (287, 49852), (307, 49924), (331, 49966), (338, 49987),

Gene: Hartsy_6 Start: 3870, Stop: 3361, Start Num: 152

Candidate Starts for Hartsy_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Harvey_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Harvey_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: HarveySr_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for HarveySr_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Hashim76_11 Start: 5076, Stop: 4489, Start Num: 132

Candidate Starts for Hashim76_11:

(Start: 127 @5088 has 2 MA's), (132, 5076), (Start: 134 @5067 has 322 MA's), (177, 4962), (184, 4947), (Start: 198 @4905 has 4 MA's), (231, 4827), (245, 4785), (286, 4650), (287, 4647), (331, 4533), (336, 4524), (339, 4509),

Gene: Heath_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for Heath_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (286, 5841), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Heathcliff_8 Start: 5408, Stop: 4863, Start Num: 134

Candidate Starts for Heathcliff_8:

(Start: 104 @5480 has 7 MA's), (Start: 134 @5408 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Hedgerow_9 Start: 6573, Stop: 7148, Start Num: 134

Candidate Starts for Hedgerow_9:

(82, 6438), (Start: 87 @6456 has 2 MA's), (96, 6477), (98, 6480), (Start: 134 @6573 has 322 MA's), (Start: 155 @6630 has 1 MA's), (159, 6642), (Start: 164 @6660 has 1 MA's), (202, 6753), (208, 6762), (242, 6852), (243, 6855), (245, 6858), (260, 6894), (273, 6930), (275, 6939), (286, 6984), (287, 6987), (290, 6996), (305, 7056), (308, 7062), (310, 7065), (331, 7101), (339, 7125), (342, 7134),

Gene: Held_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Held_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: HenryJackson_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for HenryJackson_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Hertubise_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Hertubise_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Hetaeria_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Hetaeria_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: HighStump_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for HighStump_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Hilltopfarm_84 Start: 54597, Stop: 55166, Start Num: 148

Candidate Starts for Hilltopfarm_84:

(96, 54468), (98, 54471), (114, 54507), (Start: 148 @54597 has 19 MA's), (169, 54663), (215, 54753), (217, 54756), (229, 54786), (230, 54789), (250, 54846), (261, 54870), (266, 54885), (269, 54894), (270, 54897), (271, 54900), (274, 54912), (287, 54960), (292, 54981), (312, 55047), (324, 55068), (338, 55101), (346, 55122), (351, 55134),

Gene: Hocus_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Hocus_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Holeinone_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Holeinone_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Horchata_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Horchata_6:

(Start: 134 @3917 has 322 MA's), (Start: 148 @3887 has 19 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Hosp_03 Start: 2921, Stop: 2343, Start Num: 136

Candidate Starts for Hosp_03:

(Start: 136 @2921 has 28 MA's), (179, 2798), (184, 2789), (Start: 198 @2747 has 4 MA's), (218, 2705), (231, 2672), (245, 2630), (253, 2606), (266, 2579), (270, 2567), (271, 2564), (290, 2492), (297, 2465), (303, 2438), (310, 2423), (311, 2420), (331, 2387), (339, 2363),

Gene: Hydro_7 Start: 6240, Stop: 5677, Start Num: 136

Candidate Starts for Hydro_7:

(114, 6300), (Start: 121 @6291 has 3 MA's), (Start: 133 @6249 has 39 MA's), (Start: 136 @6240 has 28 MA's), (Start: 198 @6084 has 4 MA's), (202, 6072), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (266, 5913), (270, 5901), (286, 5838), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (331, 5721), (338, 5700),

Gene: Hyperion_53 Start: 41601, Stop: 41029, Start Num: 143

Candidate Starts for Hyperion_53:

(21, 42087), (45, 41916), (49, 41895), (51, 41886), (71, 41799), (81, 41751), (117, 41661), (Start: 143 @41601 has 30 MA's), (166, 41535), (220, 41397), (223, 41388), (229, 41370), (268, 41262), (273, 41247), (275, 41238), (290, 41181), (312, 41106), (328, 41076), (339, 41052),

Gene: ImtiyazSitla_6 Start: 3765, Stop: 3361, Start Num: 198

Candidate Starts for ImtiyazSitla_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Imvubu_3 Start: 3042, Stop: 2464, Start Num: 136

Candidate Starts for Imvubu_3:

(Start: 136 @3042 has 28 MA's), (Start: 171 @2937 has 2 MA's), (179, 2919), (Start: 198 @2868 has 4 MA's), (213, 2835), (231, 2793), (245, 2751), (266, 2700), (286, 2625), (310, 2544), (319, 2523), (331, 2508), (339, 2484),

Gene: Inchworm_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Inchworm_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Indlovu_7 Start: 5906, Stop: 5328, Start Num: 127

Candidate Starts for Indlovu_7:

(23, 6362), (30, 6290), (56, 6149), (57, 6143), (65, 6107), (124, 5927), (Start: 127 @5906 has 2 MA's), (Start: 134 @5885 has 322 MA's), (Start: 198 @5735 has 4 MA's), (199, 5732), (202, 5723), (209, 5711), (245, 5624), (253, 5600), (268, 5567), (270, 5561), (326, 5378),

Gene: Inspectinfecti_65 Start: 49553, Stop: 50200, Start Num: 131

Candidate Starts for Inspectinfecti_65:

(Start: 131 @49553 has 18 MA's), (162, 49631), (179, 49679), (188, 49694), (200, 49751), (206, 49763), (213, 49781), (229, 49823), (244, 49874), (270, 49940), (271, 49943), (285, 50009), (287, 50015), (307, 50087), (331, 50129), (338, 50150),

Gene: Inverness_6 Start: 3920, Stop: 3366, Start Num: 134

Candidate Starts for Inverness_6:

(Start: 134 @3920 has 322 MA's), (Start: 152 @3875 has 3 MA's), (Start: 198 @3770 has 4 MA's), (231, 3695), (242, 3659), (245, 3653), (287, 3524), (290, 3515), (335, 3404),

Gene: Iridoclysis_6 Start: 3922, Stop: 3368, Start Num: 134

Candidate Starts for Iridoclysis_6:

(Start: 134 @3922 has 322 MA's), (Start: 148 @3892 has 19 MA's), (Start: 152 @3877 has 3 MA's), (Start: 198 @3772 has 4 MA's), (231, 3697), (242, 3661), (245, 3655), (287, 3526), (290, 3517), (335, 3406),

Gene: IsaacEli_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for IsaacEli_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: ItsyBitsy1_9 Start: 6465, Stop: 7040, Start Num: 134

Candidate Starts for ItsyBitsy1_9:

(82, 6330), (Start: 87 @6348 has 2 MA's), (89, 6351), (96, 6369), (98, 6372), (Start: 134 @6465 has 322 MA's), (Start: 155 @6522 has 1 MA's), (159, 6534), (170, 6564), (202, 6645), (208, 6654), (242, 6744), (243, 6747), (245, 6750), (260, 6786), (273, 6822), (275, 6831), (286, 6876), (287, 6879), (290, 6888), (305, 6948), (308, 6954), (310, 6957), (331, 6993), (339, 7017), (342, 7026),

Gene: JAMaL_6 Start: 5764, Stop: 5204, Start Num: 136

Candidate Starts for JAMaL_6:

(Start: 136 @5764 has 28 MA's), (Start: 198 @5608 has 4 MA's), (242, 5497), (245, 5491), (249, 5479), (253, 5467), (270, 5428), (271, 5425), (286, 5365), (303, 5299), (304, 5296), (310, 5284), (311, 5281), (326, 5254), (331, 5248),

Gene: JDog_6 Start: 3863, Stop: 3363, Start Num: 154

Candidate Starts for JDog_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: JKSyngboy_65 Start: 50739, Stop: 51374, Start Num: 133

Candidate Starts for JKSyngboy_65:

(Start: 133 @50739 has 39 MA's), (140, 50751), (232, 50976), (244, 51015), (250, 51030), (264, 51060), (266, 51069), (269, 51078), (292, 51177), (311, 51258), (338, 51315),

Gene: Jabberwocky_67 Start: 52034, Stop: 52672, Start Num: 133

Candidate Starts for Jabberwocky_67:

(63, 51833), (75, 51878), (Start: 88 @51932 has 1 MA's), (Start: 108 @51980 has 1 MA's), (Start: 123 @52001 has 3 MA's), (Start: 133 @52034 has 39 MA's), (194, 52184), (232, 52274), (244, 52313), (250, 52328), (269, 52376), (271, 52382), (292, 52475), (311, 52556), (338, 52613),

Gene: JacAttac_6 Start: 3885, Stop: 3361, Start Num: 148

Candidate Starts for JacAttac_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Jackstina_7 Start: 5402, Stop: 4752, Start Num: 104

Candidate Starts for Jackstina_7:

(Start: 104 @5402 has 7 MA's), (Start: 134 @5330 has 322 MA's), (Start: 171 @5222 has 2 MA's), (184, 5195), (Start: 198 @5156 has 4 MA's), (213, 5123), (219, 5111), (276, 4958), (286, 4916), (294, 4883), (303, 4850), (328, 4799), (339, 4772),

Gene: JaguarMi_7 Start: 5906, Stop: 5340, Start Num: 136

Candidate Starts for JaguarMi_7:

(83, 6038), (Start: 88 @6020 has 1 MA's), (114, 5966), (119, 5960), (Start: 127 @5930 has 2 MA's), (Start: 136 @5906 has 28 MA's), (157, 5846), (184, 5792), (Start: 198 @5750 has 4 MA's), (231, 5669), (245, 5627), (253, 5603), (262, 5588), (270, 5564), (271, 5561), (286, 5501), (303, 5435), (304, 5432), (310, 5420), (311, 5417), (338, 5363),

Gene: JakeO_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for JakeO_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: JangoPhett_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for JangoPhett_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Jehoshaphat_55 Start: 42218, Stop: 41640, Start Num: 143

Candidate Starts for Jehoshaphat_55:

(59, 42461), (102, 42299), (Start: 143 @42218 has 30 MA's), (185, 42107), (223, 42002), (261, 41897), (275, 41852), (277, 41846), (286, 41807), (291, 41792), (304, 41738), (339, 41663),

Gene: Jillium_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Jillium_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Jiminy_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Jiminy_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Jolie1_05 Start: 4719, Stop: 4141, Start Num: 136

Candidate Starts for Jolie1_05:

(Start: 136 @4719 has 28 MA's), (153, 4671), (179, 4596), (184, 4587), (Start: 198 @4545 has 4 MA's), (202, 4533), (218, 4503), (231, 4470), (245, 4428), (253, 4404), (271, 4362), (286, 4302), (290, 4290), (297, 4263), (310, 4221), (311, 4218), (319, 4200), (331, 4185), (339, 4161),

Gene: Judebell_57 Start: 41864, Stop: 41286, Start Num: 143

Candidate Starts for Judebell_57:

(Start: 143 @41864 has 30 MA's), (178, 41765), (185, 41753), (223, 41648), (275, 41498), (286, 41453), (291, 41438), (339, 41309),

Gene: KLucky39_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for KLucky39_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Kabocha_116 Start: 80669, Stop: 81244, Start Num: 148

Candidate Starts for Kabocha_116:

(Start: 148 @80669 has 19 MA's), (151, 80678), (156, 80699), (178, 80738), (203, 80816), (214, 80834), (229, 80864), (234, 80882), (254, 80942), (279, 81017), (294, 81080), (310, 81140), (321, 81164), (327, 81173),

Gene: Kahve_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Kahve_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Kailash_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Kailash_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Kaleb_9 Start: 6648, Stop: 7166, Start Num: 155

Candidate Starts for Kaleb_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (231, 6834), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Kamashten_67 Start: 51068, Stop: 51706, Start Num: 133

Candidate Starts for Kamashten_67:

(Start: 133 @51068 has 39 MA's), (194, 51218), (230, 51299), (232, 51308), (244, 51347), (250, 51362), (269, 51410), (292, 51509), (311, 51590), (338, 51647),

Gene: Kamiyu_8 Start: 5408, Stop: 4863, Start Num: 134

Candidate Starts for Kamiyu_8:

(Start: 104 @5480 has 7 MA's), (Start: 134 @5408 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Katniss_6 Start: 3865, Stop: 3365, Start Num: 154

Candidate Starts for Katniss_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: KayaCho_5 Start: 4722, Stop: 4144, Start Num: 136

Candidate Starts for KayaCho_5:

(Start: 136 @4722 has 28 MA's), (179, 4599), (184, 4590), (Start: 198 @4548 has 4 MA's), (218, 4506), (231, 4473), (245, 4431), (253, 4407), (266, 4380), (270, 4368), (271, 4365), (286, 4305), (290, 4293), (297, 4266), (303, 4239), (310, 4224), (311, 4221), (339, 4164),

Gene: Keitabear_67 Start: 52547, Stop: 53185, Start Num: 133

Candidate Starts for Keitabear_67:

(58, 52316), (64, 52340), (Start: 88 @52445 has 1 MA's), (Start: 108 @52493 has 1 MA's), (Start: 123 @52514 has 3 MA's), (Start: 133 @52547 has 39 MA's), (194, 52697), (232, 52787), (244, 52826), (250, 52841), (269, 52889), (271, 52895), (292, 52988), (311, 53069), (338, 53126),

Gene: Keitherie_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for Keitherie_6:

(Start: 134 @3914 has 322 MA's), (Start: 148 @3884 has 19 MA's), (Start: 152 @3869 has 3 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: Kelcole_59 Start: 42119, Stop: 41556, Start Num: 143

Candidate Starts for Kelcole_59:

(Start: 143 @42119 has 30 MA's), (197, 41975), (287, 41720), (290, 41711), (310, 41642), (339, 41579),

Gene: Kewpiedoll_67 Start: 51909, Stop: 52547, Start Num: 133

Candidate Starts for Kewpiedoll_67:

(58, 51678), (64, 51702), (Start: 88 @51807 has 1 MA's), (Start: 108 @51855 has 1 MA's), (Start: 123 @51876 has 3 MA's), (Start: 133 @51909 has 39 MA's), (163, 51984), (244, 52188), (250, 52203), (269, 52251), (292, 52350), (311, 52431), (338, 52488),

Gene: Kheth_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Kheth_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Kikipoo_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Kikipoo_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Kimbrough_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Kimbrough_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: KimmyK_64 Start: 47529, Stop: 48128, Start Num: 147

Candidate Starts for KimmyK_64:

(Start: 147 @47529 has 29 MA's), (271, 47844), (275, 47859), (283, 47904), (299, 47961), (304, 47994), (309, 48003), (325, 48033), (331, 48045), (354, 48111),

Gene: Kinbote_72 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Kinbote_72:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: KingTut_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for KingTut_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: KingVeVeVe_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for KingVeVeVe_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514),

Gene: KlimbOn_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for KlimbOn_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Kloppinator_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Kloppinator_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Klocker_12 Start: 8689, Stop: 8117, Start Num: 133

Candidate Starts for Klocker_12:

(13, 9412), (22, 9166), (26, 9124), (28, 9094), (42, 9013), (48, 8980), (53, 8956), (60, 8923), (62, 8920), (72, 8872), (79, 8842), (85, 8809), (Start: 87 @8800 has 2 MA's), (89, 8797), (93, 8788), (109, 8749), (114, 8740), (Start: 133 @8689 has 39 MA's), (Start: 136 @8680 has 28 MA's), (156, 8623), (179, 8572), (184, 8563), (Start: 198 @8521 has 4 MA's), (229, 8452), (245, 8404), (249, 8392), (258, 8371), (266, 8353), (268, 8347), (271, 8338), (286, 8278), (288, 8272), (310, 8197), (319, 8176), (331, 8161), (338, 8140),

Gene: Kronus_7 Start: 6024, Stop: 5473, Start Num: 134

Candidate Starts for Kronus_7:

(Start: 101 @6099 has 4 MA's), (111, 6081), (Start: 134 @6024 has 322 MA's), (Start: 171 @5943 has 2 MA's), (184, 5916), (Start: 198 @5877 has 4 MA's), (213, 5844), (219, 5832), (276, 5679), (286, 5637), (294, 5604), (303, 5571), (328, 5520), (339, 5493),

Gene: Kroos_66 Start: 50537, Stop: 51172, Start Num: 133

Candidate Starts for Kroos_66:

(Start: 133 @50537 has 39 MA's), (194, 50684), (232, 50774), (244, 50813), (268, 50873), (271, 50882), (292, 50975), (320, 51074),

Gene: Kwadwo_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Kwadwo_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Kwekel_62 Start: 45669, Stop: 46295, Start Num: 131

Candidate Starts for Kwekel_62:

(Start: 131 @45669 has 18 MA's), (Start: 155 @45726 has 1 MA's), (188, 45810), (219, 45882), (229, 45912), (265, 46011), (287, 46113), (302, 46173), (331, 46227), (337, 46242),

Gene: Kwksand96_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Kwksand96_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Kwobi_69 Start: 51148, Stop: 51783, Start Num: 133

Candidate Starts for Kwobi_69:

(Start: 133 @51148 has 39 MA's), (232, 51385), (244, 51424), (250, 51439), (264, 51469), (266, 51478), (269, 51487), (292, 51586), (302, 51646), (320, 51685),

Gene: Kyva_56 Start: 42015, Stop: 41443, Start Num: 143

Candidate Starts for Kyva_56:

(106, 42102), (Start: 143 @42015 has 30 MA's), (166, 41949), (220, 41811), (223, 41802), (229, 41784), (268, 41676), (275, 41652), (286, 41607), (290, 41595), (312, 41520), (328, 41490), (339, 41466),

Gene: Labeouficaum_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Labeouficaum_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Lars_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Lars_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: LasagnaCat_6 Start: 3870, Stop: 3361, Start Num: 152

Candidate Starts for LasagnaCat_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Lasso_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Lasso_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Laurie_9 Start: 6475, Stop: 7050, Start Num: 134

Candidate Starts for Laurie_9:

(Start: 134 @6475 has 322 MA's), (161, 6547), (170, 6574), (202, 6655), (208, 6664), (242, 6754), (243, 6757), (245, 6760), (260, 6796), (273, 6832), (275, 6841), (286, 6886), (287, 6889), (290, 6898), (304, 6955), (305, 6958), (308, 6964), (310, 6967), (331, 7003), (339, 7027), (342, 7036),

Gene: LeeLot_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for LeeLot_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Lego3393_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Lego3393_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Legolas_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Legolas_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: LeiMonet_6 Start: 3860, Stop: 3360, Start Num: 154

Candidate Starts for LeiMonet_6:

(Start: 134 @3914 has 322 MA's), (Start: 152 @3869 has 3 MA's), (Start: 154 @3860 has 5 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: LemonSlice_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for LemonSlice_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Lennon_68 Start: 52663, Stop: 53334, Start Num: 123

Candidate Starts for Lennon_68:

(58, 52465), (64, 52489), (Start: 88 @52594 has 1 MA's), (Start: 108 @52642 has 1 MA's), (Start: 123 @52663 has 3 MA's), (Start: 133 @52696 has 39 MA's), (194, 52846), (232, 52936), (244, 52975), (250, 52990), (269, 53038), (271, 53044), (292, 53137), (311, 53218), (338, 53275),

Gene: Leonard_64 Start: 49616, Stop: 50263, Start Num: 131

Candidate Starts for Leonard_64:

(Start: 131 @49616 has 18 MA's), (162, 49694), (179, 49742), (188, 49757), (200, 49814), (206, 49826), (213, 49844), (229, 49886), (244, 49937), (270, 50003), (271, 50006), (285, 50072), (287, 50078), (307, 50150), (331, 50192), (338, 50213),

Gene: Lephleur_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Lephleur_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: LestyG_8 Start: 5417, Stop: 4866, Start Num: 134

Candidate Starts for LestyG_8:

(Start: 104 @5489 has 7 MA's), (Start: 134 @5417 has 322 MA's), (Start: 171 @5336 has 2 MA's), (184, 5309), (Start: 198 @5270 has 4 MA's), (213, 5237), (219, 5225), (276, 5072), (286, 5030), (294, 4997), (303, 4964), (328, 4913), (339, 4886),

Gene: Ligma_6 Start: 4904, Stop: 4362, Start Num: 134

Candidate Starts for Ligma_6:

(18, 5378), (44, 5207), (Start: 134 @4904 has 322 MA's), (Start: 154 @4850 has 5 MA's), (179, 4811), (229, 4697), (277, 4565), (286, 4526), (290, 4514), (291, 4511), (295, 4487), (303, 4460), (332, 4406), (339, 4382),

Gene: LilHam_61 Start: 47760, Stop: 48395, Start Num: 134

Candidate Starts for LilHam_61:

(73, 47580), (100, 47682), (Start: 134 @47760 has 322 MA's), (194, 47907), (232, 47997), (244, 48036), (250, 48051), (268, 48096), (271, 48105), (283, 48165), (292, 48198), (320, 48297),

Gene: LilHazelnut_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for LilHazelnut_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: LilMcDreamy_8 Start: 6993, Stop: 6421, Start Num: 136

Candidate Starts for LilMcDreamy_8:

(Start: 136 @6993 has 28 MA's), (Start: 171 @6897 has 2 MA's), (Start: 198 @6828 has 4 MA's), (231, 6750), (245, 6708), (249, 6696), (253, 6684), (266, 6657), (268, 6651), (290, 6570), (310, 6501), (331, 6465),

Gene: LittleMunchkin_7 Start: 6182, Stop: 5655, Start Num: 134

Candidate Starts for LittleMunchkin_7:

(31, 6563), (44, 6491), (Start: 127 @6197 has 2 MA's), (Start: 134 @6182 has 322 MA's), (Start: 152 @6137 has 3 MA's), (153, 6131), (184, 6098), (200, 6056), (220, 6014), (229, 5993), (230, 5990), (253, 5921), (275, 5867), (277, 5861), (286, 5822), (291, 5807), (295, 5783), (303, 5756), (310, 5741),

Gene: LizLemon_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for LizLemon_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Llemily_53 Start: 40994, Stop: 40416, Start Num: 143

Candidate Starts for Llemily_53:

(59, 41237), (102, 41075), (Start: 143 @40994 has 30 MA's), (185, 40883), (223, 40778), (261, 40673), (275, 40628), (277, 40622), (286, 40583), (291, 40568), (304, 40514), (339, 40439),

Gene: Lolalove_7 Start: 6249, Stop: 5677, Start Num: 133

Candidate Starts for Lolalove_7:

(114, 6300), (Start: 121 @6291 has 3 MA's), (Start: 133 @6249 has 39 MA's), (Start: 136 @6240 has 28 MA's), (Start: 198 @6084 has 4 MA's), (202, 6072), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (266, 5913), (270, 5901), (286, 5838), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (331, 5721), (338, 5700),

Gene: Lonelysoil_52 Start: 41197, Stop: 40625, Start Num: 143

Candidate Starts for Lonelysoil_52:

(117, 41257), (Start: 143 @41197 has 30 MA's), (166, 41131), (220, 40993), (223, 40984), (229, 40966), (268, 40858), (273, 40843), (275, 40834), (286, 40789), (290, 40777), (312, 40702), (328, 40672), (339, 40648),

Gene: Longacauda_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Longacauda_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Lopsy_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Lopsy_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: LostAndPhound_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for LostAndPhound_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Love_73 Start: 52438, Stop: 53076, Start Num: 133

Candidate Starts for Love_73:

(Start: 133 @52438 has 39 MA's), (194, 52588), (232, 52678), (244, 52717), (250, 52732), (269, 52780), (271, 52786), (283, 52846), (292, 52879), (311, 52960), (338, 53017),

Gene: LuckyMarjie_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for LuckyMarjie_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Luke_71 Start: 48119, Stop: 48811, Start Num: 118

Candidate Starts for Luke_71:

(46, 47882), (Start: 118 @48119 has 9 MA's), (Start: 123 @48128 has 3 MA's), (135, 48170), (Start: 147 @48200 has 29 MA's), (Start: 171 @48281 has 2 MA's), (202, 48365), (216, 48389), (220, 48398), (230, 48428), (238, 48461), (266, 48527), (277, 48563), (285, 48617), (292, 48641), (293, 48644), (297, 48659), (303, 48686), (310, 48701), (314, 48710), (324, 48728), (333, 48743),

Gene: Lulumae_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Lulumae_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Lulwa_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Lulwa_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Lumine_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Lumine_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Luna22_67 Start: 48148, Stop: 48840, Start Num: 118

Candidate Starts for Luna22_67:

(46, 47911), (Start: 118 @48148 has 9 MA's), (Start: 123 @48157 has 3 MA's), (135, 48199), (Start: 147 @48229 has 29 MA's), (Start: 171 @48310 has 2 MA's), (202, 48394), (216, 48418), (220, 48427), (230, 48457), (238, 48490), (266, 48556), (277, 48592), (285, 48646), (292, 48670), (293, 48673), (297, 48688), (303, 48715), (310, 48730), (314, 48739), (324, 48757), (333, 48772),

Gene: MRabcd_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for MRabcd_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Mag7_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Mag7_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Magic8_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Magic8_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Magpie_7 Start: 6237, Stop: 5677, Start Num: 136

Candidate Starts for Magpie_7:

(83, 6369), (Start: 88 @6351 has 1 MA's), (114, 6297), (119, 6291), (Start: 127 @6261 has 2 MA's), (Start: 136 @6237 has 28 MA's), (Start: 198 @6081 has 4 MA's), (202, 6069), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (253, 5940), (266, 5913), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (326, 5727), (331, 5721), (338, 5700),

Gene: MakoManhole_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for MakoManhole_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (218, 6192), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (319, 5886), (342, 5832),

Gene: Mana_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Mana_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Manad_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Manad_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Marcie_66 Start: 43018, Stop: 42455, Start Num: 143

Candidate Starts for Marcie_66:

(Start: 143 @43018 has 30 MA's), (197, 42874), (287, 42619), (290, 42610), (310, 42541), (339, 42478),

Gene: Mariokart_6 Start: 4909, Stop: 4358, Start Num: 134

Candidate Starts for Mariokart_6:

(Start: 134 @4909 has 322 MA's), (170, 4828), (Start: 171 @4822 has 2 MA's), (179, 4804), (184, 4795), (229, 4693), (259, 4609), (275, 4564), (277, 4558), (286, 4519), (290, 4507), (291, 4504), (295, 4480), (303, 4453), (304, 4450), (339, 4378),

Gene: Marley1013_8 Start: 6203, Stop: 5625, Start Num: 134

Candidate Starts for Marley1013_8:

(Start: 104 @6275 has 7 MA's), (Start: 134 @6203 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Maru_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Maru_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Mashley_52 Start: 41380, Stop: 40808, Start Num: 143

Candidate Starts for Mashley_52:

(49, 41674), (51, 41665), (71, 41578), (81, 41530), (117, 41440), (Start: 143 @41380 has 30 MA's), (166, 41314), (220, 41176), (223, 41167), (229, 41149), (268, 41041), (273, 41026), (275, 41017), (286, 40972), (290, 40960), (312, 40885), (328, 40855), (339, 40831),

Gene: Maskar_6 Start: 3765, Stop: 3361, Start Num: 198

Candidate Starts for Maskar_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: MasterPo_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for MasterPo_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (89, 6360), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Matalotodo_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Matalotodo_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: McKinley_69 Start: 51576, Stop: 52214, Start Num: 133

Candidate Starts for McKinley_69:

(19, 51108), (29, 51195), (34, 51231), (Start: 88 @51474 has 1 MA's), (Start: 108 @51522 has 1 MA's), (Start: 123 @51543 has 3 MA's), (Start: 133 @51576 has 39 MA's), (194, 51726), (232, 51816), (244, 51855), (250, 51870), (269, 51918), (271, 51924), (292, 52017), (311, 52098), (338, 52155),

Gene: Mcshane_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Mcshane_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Mecca_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Mecca_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Megamind20_7 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Megamind20_7:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Megatron_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Megatron_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: MelBins_67 Start: 50181, Stop: 50828, Start Num: 133

Candidate Starts for MelBins_67:

(Start: 133 @50181 has 39 MA's), (162, 50259), (179, 50307), (188, 50322), (200, 50379), (206, 50391), (244, 50502), (270, 50568), (271, 50571), (285, 50637), (287, 50643), (307, 50715), (331, 50757), (338, 50778),

Gene: Melc17_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Melc17_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: MelsMeow_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for MelsMeow_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Mesh1_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Mesh1_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: MichaelPhcott_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for MichaelPhcott_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Mikota_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Mikota_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: MiniBoss_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for MiniBoss_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: MissRona_80 Start: 50047, Stop: 50631, Start Num: 148

Candidate Starts for MissRona_80:

(1, 48946), (2, 48967), (8, 49162), (10, 49204), (11, 49222), (14, 49342), (25, 49609), (38, 49705), (Start: 148 @50047 has 19 MA's), (174, 50128), (176, 50131), (204, 50200), (229, 50251), (230, 50254), (231, 50257), (244, 50296), (252, 50317), (281, 50404), (287, 50443), (291, 50455), (292, 50464), (310, 50524), (324, 50551),

Gene: MitKao_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for MitKao_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Mithril_7 Start: 6294, Stop: 5680, Start Num: 121

Candidate Starts for Mithril_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (253, 5943), (270, 5904), (286, 5841), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: MmasiCarm_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for MmasiCarm_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: MoontowerMania_68 Start: 52546, Stop: 53184, Start Num: 133

Candidate Starts for MoontowerMania_68:

(Start: 133 @52546 has 39 MA's), (194, 52696), (232, 52786), (244, 52825), (250, 52840), (269, 52888), (271, 52894), (283, 52954), (292, 52987), (311, 53068), (338, 53125),

Gene: Morgushi_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Morgushi_6:

(Start: 134 @3916 has 322 MA's), (Start: 148 @3886 has 19 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Mortcellus_7 Start: 6051, Stop: 5473, Start Num: 134

Candidate Starts for Mortcellus_7:

(Start: 104 @6123 has 7 MA's), (Start: 134 @6051 has 322 MA's), (Start: 171 @5943 has 2 MA's), (184, 5916), (Start: 198 @5877 has 4 MA's), (213, 5844), (219, 5832), (276, 5679), (286, 5637), (294, 5604), (303, 5571), (328, 5520), (339, 5493),

Gene: Morty_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Morty_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Morty007_8 Start: 6203, Stop: 5625, Start Num: 134

Candidate Starts for Morty007_8:

(Start: 104 @6275 has 7 MA's), (Start: 134 @6203 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Mosaic_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Mosaic_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: MossRose_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for MossRose_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (218, 6192), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (319, 5886), (342, 5832),

Gene: MrPhizzler_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for MrPhizzler_6:

(Start: 134 @3914 has 322 MA's), (Start: 152 @3869 has 3 MA's), (Start: 154 @3860 has 5 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: Mudslide_7 Start: 6237, Stop: 5677, Start Num: 136

Candidate Starts for Mudslide_7:

(Start: 88 @6357 has 1 MA's), (90, 6354), (Start: 136 @6237 has 28 MA's), (Start: 198 @6081 has 4 MA's), (202, 6069), (208, 6060), (229, 6012), (245, 5964), (249, 5952), (253, 5940), (266, 5913), (270, 5901), (294, 5805), (303, 5772), (310, 5757), (311, 5754), (331, 5721), (338, 5700),

Gene: Mulan_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Mulan_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Murdoc_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Murdoc_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Mutante_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Mutante_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Mutzi_62 Start: 48367, Stop: 48966, Start Num: 147

Candidate Starts for Mutzi_62:

(Start: 147 @48367 has 29 MA's), (271, 48682), (275, 48697), (283, 48742), (299, 48799), (304, 48832), (309, 48841), (325, 48871), (331, 48883), (344, 48919), (354, 48949),

Gene: Mysterious_8 Start: 6489, Stop: 5926, Start Num: 136

Candidate Starts for Mysterious_8:

(Start: 136 @6489 has 28 MA's), (156, 6432), (Start: 198 @6333 has 4 MA's), (231, 6255), (245, 6213), (253, 6189), (266, 6162), (270, 6150), (286, 6087), (290, 6075), (297, 6048), (326, 5976), (331, 5970), (338, 5949),

Gene: NHagos_6 Start: 4853, Stop: 4311, Start Num: 134

Candidate Starts for NHagos_6:

(Start: 134 @4853 has 322 MA's), (153, 4802), (182, 4754), (231, 4643), (263, 4559), (266, 4550), (268, 4544), (275, 4520), (286, 4475), (291, 4460), (310, 4391),

Gene: Nacho_006 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Nacho_006:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Namago_54 Start: 41139, Stop: 40564, Start Num: 138

Candidate Starts for Namago_54:

(Start: 138 @41139 has 4 MA's), (166, 41070), (220, 40932), (223, 40923), (229, 40905), (268, 40797), (273, 40782), (275, 40773), (286, 40728), (290, 40716), (312, 40641), (328, 40611), (339, 40587),

Gene: Nanao_6 Start: 5152, Stop: 4583, Start Num: 133

Candidate Starts for Nanao_6:

(Start: 133 @5152 has 39 MA's), (Start: 136 @5143 has 28 MA's), (Start: 198 @4987 has 4 MA's), (202, 4975), (229, 4918), (242, 4876), (245, 4870), (249, 4858), (266, 4819), (286, 4744), (294, 4711), (303, 4678), (304, 4675), (310, 4663), (311, 4660), (338, 4606),

Gene: Nangang_8 Start: 6203, Stop: 5640, Start Num: 136

Candidate Starts for Nangang_8:

(Start: 136 @6203 has 28 MA's), (156, 6146), (Start: 198 @6047 has 4 MA's), (231, 5969), (245, 5927), (253, 5903), (270, 5864), (286, 5801), (287, 5798), (290, 5789), (297, 5762), (326, 5690), (331, 5684), (338, 5663), (342, 5651),

Gene: Natkenzie_66 Start: 50003, Stop: 50650, Start Num: 131

Candidate Starts for Natkenzie_66:

(77, 49841), (78, 49847), (80, 49865), (112, 49952), (Start: 131 @50003 has 18 MA's), (162, 50081), (177, 50123), (179, 50129), (206, 50195), (218, 50213), (244, 50297), (250, 50312), (273, 50372), (275, 50381), (287, 50447), (289, 50456), (314, 50534), (331, 50561), (356, 50639),

Gene: Neos5_8 Start: 6203, Stop: 5625, Start Num: 134

Candidate Starts for Neos5_8:

(Start: 104 @6275 has 7 MA's), (Start: 134 @6203 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294,

5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Newman_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Newman_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Nicole21_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Nicole21_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Nigel_5 Start: 4707, Stop: 4126, Start Num: 136

Candidate Starts for Nigel_5:

(Start: 134 @4710 has 322 MA's), (Start: 136 @4707 has 28 MA's), (Start: 171 @4602 has 2 MA's), (173, 4599), (184, 4575), (Start: 198 @4533 has 4 MA's), (202, 4521), (231, 4455), (245, 4413), (249, 4401), (286, 4287), (310, 4206), (311, 4203), (331, 4170), (338, 4149),

Gene: Nike_54 Start: 41918, Stop: 41343, Start Num: 143

Candidate Starts for Nike_54:

(106, 42005), (Start: 143 @41918 has 30 MA's), (166, 41852), (220, 41711), (223, 41702), (229, 41684), (268, 41576), (273, 41561), (275, 41552), (286, 41507), (290, 41495), (312, 41420), (328, 41390), (339, 41366),

Gene: Nordenberg_67 Start: 50558, Stop: 51196, Start Num: 133

Candidate Starts for Nordenberg_67:

(Start: 133 @50558 has 39 MA's), (194, 50708), (232, 50798), (244, 50837), (250, 50852), (269, 50900), (271, 50906), (292, 50999), (311, 51080), (338, 51137),

Gene: Nozo_8 Start: 6176, Stop: 5625, Start Num: 134

Candidate Starts for Nozo_8:

(Start: 101 @6251 has 4 MA's), (111, 6233), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Nubi_63 Start: 46738, Stop: 47337, Start Num: 147

Candidate Starts for Nubi_63:

(Start: 147 @46738 has 29 MA's), (271, 47053), (275, 47068), (283, 47113), (299, 47170), (304, 47203), (309, 47212), (325, 47242), (331, 47254), (354, 47320),

Gene: Numberten_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Numberten_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Nyala_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Nyala_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: OBUpride_73 Start: 48289, Stop: 48900, Start Num: 147

Candidate Starts for OBUpride_73:

(46, 47971), (Start: 118 @48208 has 9 MA's), (Start: 123 @48217 has 3 MA's), (135, 48259), (Start: 147 @48289 has 29 MA's), (Start: 171 @48370 has 2 MA's), (202, 48454), (216, 48478), (220, 48487), (230, 48517), (238, 48550), (266, 48616), (277, 48652), (285, 48706), (292, 48730), (293, 48733), (297, 48748), (303, 48775), (310, 48790), (314, 48799), (324, 48817), (333, 48832),

Gene: OSmaximus_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for OSmaximus_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Obutu_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Obutu_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Olak_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Olak_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511),

Gene: Oline_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Oline_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Olive_6 Start: 3885, Stop: 3361, Start Num: 148

Candidate Starts for Olive_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: OliverWalter_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for OliverWalter_6:

(Start: 134 @3914 has 322 MA's), (Start: 148 @3884 has 19 MA's), (Start: 152 @3869 has 3 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: Omniscient_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Omniscient_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: OneinaGillian_61 Start: 42021, Stop: 41458, Start Num: 143

Candidate Starts for OneinaGillian_61:

(Start: 143 @42021 has 30 MA's), (197, 41877), (287, 41622), (290, 41613), (310, 41544), (339, 41481),

Gene: Oogie_110 Start: 80689, Stop: 81264, Start Num: 148

Candidate Starts for Oogie_110:

(Start: 148 @80689 has 19 MA's), (151, 80698), (156, 80719), (178, 80758), (203, 80836), (214, 80854), (229, 80884), (234, 80902), (254, 80962), (279, 81037), (294, 81100), (310, 81160), (321,

81184), (327, 81193),

Gene: Oosterbaan_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Oosterbaan_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Opia_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Opia_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: OrangeOswald_8 Start: 5489, Stop: 4863, Start Num: 101

Candidate Starts for OrangeOswald_8:

(Start: 101 @5489 has 4 MA's), (111, 5471), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Orfeu_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Orfeu_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Orion_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Orion_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Orwigg_7 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Orwigg_7:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: PG1_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for PG1_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Pacifista_7 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Pacifista_7:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Pakusa_109 Start: 78654, Stop: 79229, Start Num: 148

Candidate Starts for Pakusa_109:

(Start: 148 @78654 has 19 MA's), (151, 78663), (156, 78684), (178, 78723), (203, 78801), (214, 78819), (229, 78849), (234, 78867), (254, 78927), (279, 79002), (294, 79065), (310, 79125), (321, 79149), (327, 79158),

Gene: Paries_70 Start: 52128, Stop: 52766, Start Num: 133

Candidate Starts for Paries_70:

(Start: 133 @52128 has 39 MA's), (194, 52278), (232, 52368), (244, 52407), (250, 52422), (269, 52470), (271, 52476), (292, 52569), (311, 52650), (338, 52707),

Gene: PenguinLover67_10 Start: 7104, Stop: 6535, Start Num: 134

Candidate Starts for PenguinLover67_10:

(120, 7155), (132, 7113), (Start: 134 @7104 has 322 MA's), (196, 6942), (Start: 198 @6936 has 4 MA's), (229, 6870), (231, 6864), (245, 6822), (249, 6810), (253, 6798), (271, 6756), (286, 6696), (287, 6693), (303, 6630), (305, 6624), (310, 6615), (337, 6564), (342, 6546),

Gene: Pepe25_60 Start: 41552, Stop: 40989, Start Num: 143

Candidate Starts for Pepe25_60:

(Start: 143 @41552 has 30 MA's), (219, 41360), (268, 41225), (271, 41216), (286, 41156), (287, 41153), (290, 41144), (310, 41075), (339, 41012),

Gene: Phabia_53 Start: 41409, Stop: 40831, Start Num: 143

Candidate Starts for Phabia_53:

(59, 41652), (102, 41490), (Start: 143 @41409 has 30 MA's), (185, 41298), (223, 41193), (261, 41088), (275, 41043), (277, 41037), (286, 40998), (291, 40983), (304, 40929), (339, 40854),

Gene: Phaedrus_7 Start: 5222, Stop: 4752, Start Num: 171

Candidate Starts for Phaedrus_7:

(Start: 104 @5402 has 7 MA's), (Start: 134 @5330 has 322 MA's), (Start: 171 @5222 has 2 MA's), (184, 5195), (Start: 198 @5156 has 4 MA's), (213, 5123), (219, 5111), (276, 4958), (286, 4916), (294, 4883), (303, 4850), (328, 4799), (339, 4772),

Gene: Phamished_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Phamished_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Phantasmagoria_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Phantasmagoria_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: Phareon_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Phareon_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: PhatCats2014_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for PhatCats2014_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335,

3403),

Gene: PhatLouie_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for PhatLouie_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Phauci_56 Start: 46468, Stop: 47115, Start Num: 131

Candidate Starts for Phauci_56:

(Start: 131 @46468 has 18 MA's), (179, 46594), (188, 46609), (200, 46666), (206, 46678), (212, 46690), (213, 46696), (229, 46738), (235, 46759), (244, 46789), (270, 46855), (271, 46858), (285, 46924), (287, 46930), (307, 47002), (331, 47044), (338, 47065),

Gene: Phayeta_8 Start: 5289, Stop: 4711, Start Num: 134

Candidate Starts for Phayeta_8:

(Start: 104 @5361 has 7 MA's), (Start: 134 @5289 has 322 MA's), (Start: 171 @5181 has 2 MA's), (184, 5154), (Start: 198 @5115 has 4 MA's), (213, 5082), (219, 5070), (276, 4917), (286, 4875), (294, 4842), (303, 4809), (328, 4758), (339, 4731),

Gene: Phelemich_8 Start: 6492, Stop: 5929, Start Num: 136

Candidate Starts for Phelemich_8:

(Start: 136 @6492 has 28 MA's), (Start: 154 @6441 has 5 MA's), (Start: 198 @6336 has 4 MA's), (231, 6258), (245, 6216), (253, 6192), (266, 6165), (270, 6153), (286, 6090), (290, 6078), (297, 6051), (319, 5988), (342, 5940),

Gene: PhenghisKhan_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for PhenghisKhan_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Pherdinand_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Pherdinand_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Phergie_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Phergie_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Philly_7 Start: 5375, Stop: 4752, Start Num: 104

Candidate Starts for Philly_7:

(Start: 104 @5375 has 7 MA's), (Start: 134 @5303 has 322 MA's), (Start: 171 @5222 has 2 MA's), (184, 5195), (Start: 198 @5156 has 4 MA's), (213, 5123), (219, 5111), (276, 4958), (286, 4916), (294, 4883), (303, 4850), (328, 4799), (339, 4772),

Gene: Phinally_64 Start: 49613, Stop: 50260, Start Num: 131

Candidate Starts for Phinally_64:

(Start: 131 @49613 has 18 MA's), (162, 49691), (179, 49739), (188, 49754), (200, 49811), (206, 49823), (213, 49841), (229, 49883), (244, 49934), (270, 50000), (271, 50003), (285, 50069), (287, 50075), (307, 50147), (331, 50189), (338, 50210),

Gene: Phinky_62 Start: 43645, Stop: 43067, Start Num: 144

Candidate Starts for Phinky_62:

(43, 43999), (47, 43981), (50, 43963), (53, 43945), (114, 43729), (Start: 144 @43645 has 2 MA's), (149, 43630), (160, 43594), (208, 43486), (233, 43420), (242, 43393), (271, 43321), (287, 43255), (310, 43177), (339, 43114), (342, 43105),

Gene: Phipps_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Phipps_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Phleuron_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Phleuron_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Phlop_61 Start: 47095, Stop: 47694, Start Num: 147

Candidate Starts for Phlop_61:

(Start: 147 @47095 has 29 MA's), (271, 47410), (275, 47425), (283, 47470), (299, 47527), (304, 47560), (309, 47569), (325, 47599), (331, 47611), (344, 47647), (354, 47677),

Gene: Phlyer_8 Start: 6242, Stop: 5625, Start Num: 104

Candidate Starts for Phlyer_8:

(Start: 104 @6242 has 7 MA's), (Start: 134 @6170 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: PhrankReynolds_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for PhrankReynolds_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: PhrodoBaggins_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for PhrodoBaggins_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: PhrostedPhlake_81 Start: 48308, Stop: 48892, Start Num: 148

Candidate Starts for PhrostedPhlake_81:

(25, 47840), (35, 47915), (52, 48005), (Start: 148 @48308 has 19 MA's), (174, 48389), (204, 48461), (214, 48479), (229, 48512), (230, 48515), (231, 48518), (244, 48557), (252, 48578), (281, 48665), (291, 48716), (292, 48725), (310, 48785),

Gene: Phunky_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Phunky_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Piglet_006 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Piglet_006:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Pine5_08 Start: 5560, Stop: 4889, Start Num: 145

Candidate Starts for Pine5_08:

(Start: 145 @5560 has 1 MA's), (224, 5353), (228, 5344), (234, 5323), (248, 5290), (256, 5263), (280, 5188), (310, 5059), (341, 4990), (351, 4969), (357, 4927),

Gene: PinheadLarry_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for PinheadLarry_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: PinkCoffee_65 Start: 47101, Stop: 47700, Start Num: 147

Candidate Starts for PinkCoffee_65:

(Start: 147 @47101 has 29 MA's), (271, 47416), (275, 47431), (283, 47476), (299, 47533), (304, 47566), (309, 47575), (325, 47605), (331, 47617), (344, 47653), (354, 47683),

Gene: Pinkman_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Pinkman_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Pipefish_8 Start: 6380, Stop: 5730, Start Num: 104

Candidate Starts for Pipefish_8:

(Start: 104 @6380 has 7 MA's), (Start: 134 @6308 has 322 MA's), (Start: 171 @6200 has 2 MA's), (184, 6173), (Start: 198 @6134 has 4 MA's), (213, 6101), (219, 6089), (276, 5936), (286, 5894), (294, 5861), (303, 5828), (328, 5777), (339, 5750),

Gene: Pipp_79 Start: 47870, Stop: 48448, Start Num: 144

Candidate Starts for Pipp_79:

(Start: 144 @47870 has 2 MA's), (Start: 146 @47873 has 3 MA's), (174, 47954), (204, 48026), (214, 48044), (229, 48077), (230, 48080), (231, 48083), (244, 48122), (252, 48143), (281, 48230), (291, 48281), (292, 48290), (310, 48350),

Gene: Pipsqueak_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Pipsqueak_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Placalicious_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Placalicious_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Plmatters_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Plmatters_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Podrick_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Podrick_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Pops_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Pops_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Poster_6 Start: 5152, Stop: 4583, Start Num: 133

Candidate Starts for Poster_6:

(Start: 133 @5152 has 39 MA's), (Start: 136 @5143 has 28 MA's), (Start: 198 @4987 has 4 MA's), (202, 4975), (229, 4918), (242, 4876), (245, 4870), (249, 4858), (266, 4819), (286, 4744), (294, 4711), (303, 4678), (304, 4675), (310, 4663), (311, 4660), (338, 4606),

Gene: Potter_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Potter_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Prickles_6 Start: 3879, Stop: 3370, Start Num: 152

Candidate Starts for Prickles_6:

(Start: 134 @3924 has 322 MA's), (Start: 152 @3879 has 3 MA's), (Start: 198 @3774 has 4 MA's), (231, 3699), (242, 3663), (245, 3657), (287, 3528), (290, 3519), (335, 3408),

Gene: Prince_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for Prince_7:

(114, 6303), (119, 6297), (Start: 127 @6267 has 2 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: ProfessorX_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for ProfessorX_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Puhltonio_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Puhltonio_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: PullumCavea_62 Start: 47272, Stop: 47871, Start Num: 147

Candidate Starts for PullumCavea_62:

(3, 46330), (4, 46336), (5, 46342), (6, 46348), (7, 46354), (9, 46378), (12, 46501), (69, 47044), (Start: 147 @47272 has 29 MA's), (275, 47602), (283, 47647), (299, 47704), (304, 47737), (309, 47746), (325, 47776), (331, 47788), (354, 47854),

Gene: Pupper_178 Start: 130307, Stop: 130879, Start Num: 154

Candidate Starts for Pupper_178:

(24, 129794), (95, 130151), (97, 130154), (Start: 154 @130307 has 5 MA's), (Start: 171 @130361 has 2 MA's), (175, 130364), (200, 130439), (209, 130457), (242, 130547), (271, 130619), (286, 130679), (347, 130844), (348, 130850),

Gene: Quammi_51 Start: 41109, Stop: 40531, Start Num: 143

Candidate Starts for Quammi_51:

(59, 41352), (102, 41190), (Start: 143 @41109 has 30 MA's), (185, 40998), (223, 40893), (261, 40788), (275, 40743), (277, 40737), (286, 40698), (291, 40683), (304, 40629), (339, 40554),

Gene: QueenBeane_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for QueenBeane_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Quesadilla_9 Start: 6920, Stop: 6357, Start Num: 134

Candidate Starts for Quesadilla_9:

(Start: 134 @6920 has 322 MA's), (170, 6821), (179, 6809), (Start: 198 @6758 has 4 MA's), (229, 6692), (231, 6686), (245, 6644), (249, 6632), (271, 6578), (286, 6518), (287, 6515), (303, 6452), (305, 6446), (338, 6380),

Gene: Quisquilliae_7 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Quisquilliae_7:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Qyrzula_9 Start: 6447, Stop: 7139, Start Num: 87

Candidate Starts for Qyrzula_9:

(82, 6429), (Start: 87 @6447 has 2 MA's), (89, 6450), (96, 6468), (98, 6471), (Start: 134 @6564 has 322 MA's), (Start: 155 @6621 has 1 MA's), (159, 6633), (Start: 164 @6651 has 1 MA's), (202, 6744), (208, 6753), (242, 6843), (243, 6846), (245, 6849), (260, 6885), (273, 6921), (275, 6930), (286, 6975), (287, 6978), (290, 6987), (305, 7047), (308, 7053), (310, 7056), (331, 7092), (339, 7116), (342, 7125),

Gene: RagingRooster_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for RagingRooster_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: RawrgerThat_7 Start: 6237, Stop: 5677, Start Num: 136

Candidate Starts for RawrgerThat_7:

(114, 6297), (Start: 121 @6288 has 3 MA's), (Start: 133 @6246 has 39 MA's), (Start: 136 @6237 has 28 MA's), (Start: 198 @6081 has 4 MA's), (202, 6069), (229, 6012), (242, 5970), (245, 5964), (249, 5952), (253, 5940), (266, 5913), (294, 5805), (303, 5772), (304, 5769), (310, 5757), (311, 5754), (326, 5727), (331, 5721), (338, 5700),

Gene: RedMaple_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for RedMaple_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Reprobate_8 Start: 6489, Stop: 5926, Start Num: 136

Candidate Starts for Reprobate_8:

(Start: 136 @6489 has 28 MA's), (Start: 154 @6438 has 5 MA's), (Start: 198 @6333 has 4 MA's), (231, 6255), (245, 6213), (253, 6189), (266, 6162), (270, 6150), (286, 6087), (290, 6075), (297, 6048),

(319, 5985), (342, 5937),

Gene: Rhinoforte_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for Rhinoforte_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (94, 6489), (96, 6495), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (304, 7071), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Ribeye_67 Start: 50020, Stop: 50655, Start Num: 133

Candidate Starts for Ribeye_67:

(Start: 133 @50020 has 39 MA's), (232, 50257), (244, 50296), (250, 50311), (264, 50341), (266, 50350), (269, 50359), (311, 50539), (320, 50557),

Gene: Rich_8 Start: 6218, Stop: 5652, Start Num: 136

Candidate Starts for Rich_8:

(Start: 136 @6218 has 28 MA's), (156, 6161), (Start: 198 @6059 has 4 MA's), (229, 5987), (231, 5981), (233, 5972), (245, 5939), (253, 5915), (270, 5876), (286, 5813), (290, 5801), (297, 5774), (326, 5702), (331, 5696),

Gene: Ricotta_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Ricotta_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Riggan_6 Start: 3922, Stop: 3368, Start Num: 134

Candidate Starts for Riggan_6:

(Start: 134 @3922 has 322 MA's), (Start: 148 @3892 has 19 MA's), (Start: 152 @3877 has 3 MA's), (Start: 198 @3772 has 4 MA's), (231, 3697), (242, 3661), (245, 3655), (287, 3526), (290, 3517), (335, 3406),

Gene: Rimu_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for Rimu_6:

(Start: 134 @3914 has 322 MA's), (Start: 152 @3869 has 3 MA's), (Start: 154 @3860 has 5 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: Rita1961_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for Rita1961_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: RiverRaider_70 Start: 49606, Stop: 50229, Start Num: 133

Candidate Starts for RiverRaider_70:

(Start: 133 @49606 has 39 MA's), (139, 49615), (194, 49756), (230, 49837), (232, 49846), (244, 49885), (250, 49900), (302, 50092),

Gene: RoadKill_59 Start: 45201, Stop: 45827, Start Num: 131

Candidate Starts for RoadKill_59:

(Start: 131 @45201 has 18 MA's), (188, 45342), (229, 45444), (265, 45543), (287, 45645), (302, 45705), (331, 45759), (337, 45774),

Gene: RobinRose_63 Start: 42533, Stop: 41970, Start Num: 143

Candidate Starts for RobinRose_63:

(Start: 143 @42533 has 30 MA's), (197, 42389), (249, 42251), (287, 42134), (290, 42125), (310, 42056), (339, 41993),

Gene: Robyn_6 Start: 3920, Stop: 3366, Start Num: 134

Candidate Starts for Robyn_6:

(Start: 134 @3920 has 322 MA's), (Start: 152 @3875 has 3 MA's), (Start: 154 @3866 has 5 MA's), (Start: 198 @3770 has 4 MA's), (231, 3695), (242, 3659), (245, 3653), (287, 3524), (290, 3515), (335, 3404),

Gene: Rofo_69 Start: 51570, Stop: 52208, Start Num: 133

Candidate Starts for Rofo_69:

(Start: 133 @51570 has 39 MA's), (194, 51720), (230, 51801), (232, 51810), (244, 51849), (250, 51864), (269, 51912), (292, 52011), (311, 52092), (338, 52149),

Gene: Roliet_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Roliet_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: RomaT_8 Start: 6248, Stop: 5625, Start Num: 104

Candidate Starts for RomaT_8:

(Start: 104 @6248 has 7 MA's), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Romm_63 Start: 42530, Stop: 41967, Start Num: 143

Candidate Starts for Romm_63:

(Start: 143 @42530 has 30 MA's), (197, 42386), (249, 42248), (287, 42131), (290, 42122), (310, 42053), (339, 41990),

Gene: Roscoe_7 Start: 4153, Stop: 3599, Start Num: 134

Candidate Starts for Roscoe_7:

(Start: 134 @4153 has 322 MA's), (Start: 152 @4108 has 3 MA's), (Start: 154 @4099 has 5 MA's), (Start: 198 @4003 has 4 MA's), (231, 3928), (242, 3892), (245, 3886), (287, 3757), (290, 3748),

Gene: Rosebush_9 Start: 6678, Stop: 7166, Start Num: 164

Candidate Starts for Rosebush_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (89, 6477), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Rowlf_50 Start: 41057, Stop: 40485, Start Num: 143

Candidate Starts for Rowlf_50:

(55, 41321), (117, 41117), (Start: 143 @41057 has 30 MA's), (166, 40991), (220, 40853), (223, 40844), (229, 40826), (268, 40718), (273, 40703), (275, 40694), (286, 40649), (290, 40637), (312, 40562), (328, 40532), (339, 40508),

Gene: Roy17_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Roy17_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: RubyRalph_59 Start: 44213, Stop: 43635, Start Num: 143

Candidate Starts for RubyRalph_59:

(40, 44576), (Start: 143 @44213 has 30 MA's), (173, 44132), (183, 44108), (208, 44036), (223, 44000), (233, 43967), (269, 43871), (271, 43865), (275, 43850), (287, 43799), (339, 43658), (344, 43646),

Gene: Rudy_51 Start: 41145, Stop: 40567, Start Num: 143

Candidate Starts for Rudy_51:

(59, 41388), (102, 41226), (Start: 143 @41145 has 30 MA's), (185, 41034), (223, 40929), (261, 40824), (275, 40779), (277, 40773), (286, 40734), (291, 40719), (304, 40665), (339, 40590),

Gene: SCentae_177 Start: 130499, Stop: 131071, Start Num: 154

Candidate Starts for SCentae_177:

(24, 129986), (95, 130343), (97, 130346), (Start: 154 @130499 has 5 MA's), (Start: 171 @130553 has 2 MA's), (175, 130556), (200, 130631), (209, 130649), (242, 130739), (271, 130811), (286, 130871), (347, 131036), (348, 131042),

Gene: SDcharge11_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for SDcharge11_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Sabella_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Sabella_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: SadLad_60 Start: 45067, Stop: 44489, Start Num: 143

Candidate Starts for SadLad_60:

(Start: 143 @45067 has 30 MA's), (173, 44986), (208, 44890), (223, 44854), (233, 44821), (269, 44725), (271, 44719), (275, 44704), (287, 44653), (339, 44512), (344, 44500),

Gene: Saguaro_9 Start: 7128, Stop: 6586, Start Num: 134

Candidate Starts for Saguaro_9:

(Start: 134 @7128 has 322 MA's), (Start: 198 @6987 has 4 MA's), (205, 6969), (209, 6963), (225, 6930), (229, 6921), (231, 6915), (245, 6873), (249, 6861), (253, 6849), (286, 6747), (287, 6744), (305, 6675), (308, 6669), (338, 6609),

Gene: SallyK_55 Start: 42264, Stop: 41689, Start Num: 138

Candidate Starts for SallyK_55:

(Start: 138 @42264 has 4 MA's), (166, 42195), (220, 42057), (223, 42048), (229, 42030), (268, 41922), (273, 41907), (275, 41898), (286, 41853), (290, 41841), (312, 41766), (328, 41736), (339, 41712),

Gene: Salvador_62 Start: 46631, Stop: 47230, Start Num: 147

Candidate Starts for Salvador_62:

(Start: 147 @46631 has 29 MA's), (271, 46946), (275, 46961), (283, 47006), (299, 47063), (301, 47078), (304, 47096), (309, 47105), (313, 47114), (325, 47135), (331, 47147), (354, 47213),

Gene: Samaymay_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Samaymay_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Sampson_68 Start: 50154, Stop: 50801, Start Num: 131

Candidate Starts for Sampson_68:

(77, 49992), (78, 49998), (80, 50016), (112, 50103), (Start: 131 @50154 has 18 MA's), (162, 50232), (177, 50274), (179, 50280), (206, 50346), (218, 50364), (244, 50448), (250, 50463), (273, 50523), (275, 50532), (287, 50598), (289, 50607), (314, 50685), (331, 50712), (356, 50790),

Gene: Sanjuju_67 Start: 51907, Stop: 52545, Start Num: 133

Candidate Starts for Sanjuju_67:

(58, 51676), (64, 51700), (Start: 88 @51805 has 1 MA's), (Start: 108 @51853 has 1 MA's), (Start: 123 @51874 has 3 MA's), (Start: 133 @51907 has 39 MA's), (194, 52057), (232, 52147), (244, 52186), (250, 52201), (269, 52249), (271, 52255), (292, 52348), (311, 52429), (338, 52486),

Gene: Saronaya_68 Start: 50864, Stop: 51499, Start Num: 133

Candidate Starts for Saronaya_68:

(Start: 133 @50864 has 39 MA's), (232, 51101), (244, 51140), (250, 51155), (264, 51185), (266, 51194), (269, 51203), (292, 51302), (302, 51362), (320, 51401),

Gene: SassyCat97_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for SassyCat97_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: ScarletRaider_113 Start: 81925, Stop: 82500, Start Num: 148

Candidate Starts for ScarletRaider_113:

(Start: 148 @81925 has 19 MA's), (187, 82009), (194, 82039), (229, 82120), (234, 82138), (235, 82141), (249, 82183), (264, 82216), (278, 82270), (279, 82273), (310, 82396), (327, 82429), (334, 82441),

Gene: Schadenfreude_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Schadenfreude_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Schomber_113 Start: 79057, Stop: 79632, Start Num: 148

Candidate Starts for Schomber_113:

(Start: 148 @79057 has 19 MA's), (151, 79066), (156, 79087), (178, 79126), (203, 79204), (214, 79222), (229, 79252), (234, 79270), (254, 79330), (279, 79405), (294, 79468), (310, 79528), (321, 79552), (327, 79561),

Gene: SchottB_64 Start: 50477, Stop: 51112, Start Num: 134

Candidate Starts for SchottB_64:

(73, 50297), (100, 50399), (Start: 134 @50477 has 322 MA's), (194, 50624), (232, 50714), (244, 50753), (250, 50768), (268, 50813), (271, 50822), (283, 50882), (292, 50915), (320, 51014),

Gene: Schueller_6 Start: 3864, Stop: 3364, Start Num: 154

Candidate Starts for Schueller_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Scioto_66 Start: 50004, Stop: 50651, Start Num: 131

Candidate Starts for Scioto_66:

(77, 49842), (78, 49848), (80, 49866), (112, 49953), (Start: 131 @50004 has 18 MA's), (162, 50082), (177, 50124), (179, 50130), (206, 50196), (218, 50214), (244, 50298), (250, 50313), (273, 50373), (275, 50382), (287, 50448), (289, 50457), (314, 50535), (331, 50562), (356, 50640),

Gene: Scoot17C_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Scoot17C_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Scrick_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Scrick_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514),

Gene: Sedona_67 Start: 52480, Stop: 53118, Start Num: 133

Candidate Starts for Sedona_67:

(58, 52249), (64, 52273), (Start: 88 @52378 has 1 MA's), (Start: 108 @52426 has 1 MA's), (Start: 123 @52447 has 3 MA's), (Start: 133 @52480 has 39 MA's), (194, 52630), (232, 52720), (244, 52759), (250, 52774), (269, 52822), (271, 52828), (292, 52921), (311, 53002), (338, 53059),

Gene: Selr12_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Selr12_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Serendipitous_8 Start: 6269, Stop: 5706, Start Num: 136

Candidate Starts for Serendipitous_8:

(Start: 136 @6269 has 28 MA's), (Start: 198 @6113 has 4 MA's), (231, 6035), (245, 5993), (253, 5969), (266, 5942), (270, 5930), (286, 5867), (290, 5855), (297, 5828), (326, 5756), (331, 5750),

Gene: Serendipity_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Serendipity_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Serpentine_006 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Serpentine_006:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Shatter_6 Start: 4904, Stop: 4362, Start Num: 134

Candidate Starts for Shatter_6:

(18, 5378), (44, 5207), (Start: 134 @4904 has 322 MA's), (Start: 154 @4850 has 5 MA's), (179, 4811), (229, 4697), (277, 4565), (286, 4526), (290, 4514), (291, 4511), (295, 4487), (303, 4460), (332, 4406), (339, 4382),

Gene: Sheila_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Sheila_6:

(Start: 134 @3916 has 322 MA's), (Start: 148 @3886 has 19 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: ShiVal_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for ShiVal_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Shinji_62 Start: 46801, Stop: 47400, Start Num: 147

Candidate Starts for Shinji_62:

(Start: 147 @46801 has 29 MA's), (271, 47116), (275, 47131), (283, 47176), (299, 47233), (304, 47266), (306, 47269), (309, 47275), (325, 47305), (331, 47317), (344, 47353), (354, 47383),

Gene: Shivanishola_68 Start: 50210, Stop: 50848, Start Num: 133

Candidate Starts for Shivanishola_68:

(Start: 133 @50210 has 39 MA's), (194, 50360), (232, 50450), (244, 50489), (250, 50504), (269, 50552), (271, 50558), (283, 50618), (292, 50651), (311, 50732), (338, 50789),

Gene: Sigman_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Sigman_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Sillytadpoles_54 Start: 40982, Stop: 40404, Start Num: 143

Candidate Starts for Sillytadpoles_54:

(59, 41225), (102, 41063), (Start: 143 @40982 has 30 MA's), (185, 40871), (223, 40766), (261, 40661), (275, 40616), (277, 40610), (286, 40571), (291, 40556), (304, 40502), (339, 40427),

Gene: Simielle_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Simielle_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: SirJeffery_8 Start: 6217, Stop: 5651, Start Num: 136

Candidate Starts for SirJeffery_8:

(Start: 136 @6217 has 28 MA's), (156, 6160), (Start: 198 @6058 has 4 MA's), (231, 5980), (245, 5938), (253, 5914), (266, 5887), (270, 5875), (290, 5800), (297, 5773), (326, 5701), (331, 5695),

Gene: Sisko_5 Start: 4711, Stop: 4184, Start Num: 134

Candidate Starts for Sisko_5:

(Start: 134 @4711 has 322 MA's), (172, 4636), (257, 4441), (259, 4438), (268, 4417), (275, 4393), (277, 4387), (286, 4348), (291, 4333), (294, 4315), (304, 4279), (310, 4267), (339, 4204),

Gene: Sitar_68 Start: 52372, Stop: 53043, Start Num: 123

Candidate Starts for Sitar_68:

(58, 52174), (64, 52198), (Start: 88 @52303 has 1 MA's), (Start: 108 @52351 has 1 MA's), (Start: 123 @52372 has 3 MA's), (Start: 133 @52405 has 39 MA's), (194, 52555), (232, 52645), (244, 52684), (250, 52699), (269, 52747), (271, 52753), (292, 52846), (311, 52927), (338, 52984),

Gene: Skippy_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Skippy_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Skog_10 Start: 6857, Stop: 7429, Start Num: 154

Candidate Starts for Skog_10:

(Start: 154 @6857 has 5 MA's), (189, 6938), (200, 6989), (226, 7049), (242, 7097), (271, 7169), (286, 7229), (287, 7232), (347, 7394),

Gene: Slatt_6 Start: 3920, Stop: 3366, Start Num: 134

Candidate Starts for Slatt_6:

(Start: 134 @3920 has 322 MA's), (Start: 148 @3890 has 19 MA's), (Start: 152 @3875 has 3 MA's), (Start: 198 @3770 has 4 MA's), (231, 3695), (242, 3659), (245, 3653), (287, 3524), (290, 3515), (335, 3404),

Gene: Sleepyhead_61 Start: 40018, Stop: 40581, Start Num: 147

Candidate Starts for Sleepyhead_61:

(17, 39454), (41, 39658), (51, 39706), (107, 39922), (137, 39991), (Start: 147 @40018 has 29 MA's), (174, 40105), (182, 40114), (Start: 198 @40168 has 4 MA's), (219, 40207), (251, 40303), (257, 40318), (261, 40324), (271, 40354), (273, 40360), (275, 40369), (283, 40414), (287, 40426), (314, 40507), (330, 40537),

Gene: SlippinJimmy_8 Start: 6176, Stop: 5625, Start Num: 134

Candidate Starts for SlippinJimmy_8:

(Start: 101 @6251 has 4 MA's), (111, 6233), (Start: 134 @6176 has 322 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Soile_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Soile_6:

(Start: 134 @3917 has 322 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Solosis_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Solosis_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Sophia_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Sophia_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Soto_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Soto_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Sour_9 Start: 6563, Stop: 6030, Start Num: 134

Candidate Starts for Sour_9:

(Start: 134 @6563 has 322 MA's), (229, 6371), (230, 6368), (275, 6242), (277, 6236), (285, 6200), (286, 6197), (290, 6185), (303, 6131), (304, 6128),

Gene: Spartan300_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Spartan300_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Squash_56 Start: 41774, Stop: 41202, Start Num: 143

Candidate Starts for Squash_56:

(45, 42089), (71, 41972), (117, 41834), (Start: 143 @41774 has 30 MA's), (166, 41708), (220, 41570), (223, 41561), (229, 41543), (268, 41435), (273, 41420), (275, 41411), (286, 41366), (290, 41354), (312, 41279), (328, 41249), (339, 41225),

Gene: Squid_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Squid_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Squiggle_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Squiggle_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: StAugustine_13 Start: 8920, Stop: 8363, Start Num: 128

Candidate Starts for StAugustine_13:

(128, 8920), (Start: 152 @8866 has 3 MA's), (156, 8851), (Start: 198 @8764 has 4 MA's), (213, 8731), (233, 8686), (237, 8671), (276, 8569), (286, 8527), (338, 8386), (339, 8383),

Gene: Stinger_5 Start: 4681, Stop: 4121, Start Num: 136

Candidate Starts for Stinger_5:

(Start: 136 @4681 has 28 MA's), (Start: 198 @4525 has 4 MA's), (202, 4513), (213, 4492), (229, 4456), (242, 4414), (245, 4408), (266, 4357), (268, 4351), (286, 4282), (303, 4216), (304, 4213), (310, 4201), (311, 4198), (338, 4144),

Gene: StinkyVeggy_8 Start: 6203, Stop: 5637, Start Num: 136

Candidate Starts for StinkyVeggy_8:

(15, 6839), (16, 6767), (20, 6701), (92, 6317), (115, 6263), (120, 6257), (Start: 127 @6227 has 2 MA's), (Start: 136 @6203 has 28 MA's), (Start: 198 @6044 has 4 MA's), (231, 5966), (245, 5924), (253, 5900), (266, 5873), (286, 5798), (287, 5795), (326, 5687), (331, 5681), (338, 5660), (342, 5648),

Gene: StorminNorm_67 Start: 50648, Stop: 51283, Start Num: 133

Candidate Starts for StorminNorm_67:

(Start: 133 @50648 has 39 MA's), (232, 50885), (244, 50924), (250, 50939), (264, 50969), (266, 50978), (269, 50987), (292, 51086), (302, 51146), (320, 51185),

Gene: StrawberryJamm_57 Start: 41442, Stop: 40867, Start Num: 138

Candidate Starts for StrawberryJamm_57:

(Start: 138 @41442 has 4 MA's), (166, 41373), (220, 41235), (223, 41226), (229, 41208), (268, 41100), (273, 41085), (275, 41076), (286, 41031), (290, 41019), (312, 40944), (328, 40914), (339, 40890),

Gene: Struggle_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Struggle_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Stultus_64 Start: 50652, Stop: 51290, Start Num: 133

Candidate Starts for Stultus_64:

(58, 50421), (64, 50445), (Start: 88 @50550 has 1 MA's), (Start: 108 @50598 has 1 MA's), (Start: 123 @50619 has 3 MA's), (Start: 133 @50652 has 39 MA's), (166, 50736), (194, 50802), (232, 50892), (244, 50931), (250, 50946), (269, 50994), (271, 51000), (292, 51093), (311, 51174), (338, 51231),

Gene: Suffolk_6 Start: 3917, Stop: 3363, Start Num: 134

Candidate Starts for Suffolk_6:

(Start: 134 @3917 has 322 MA's), (Start: 148 @3887 has 19 MA's), (Start: 152 @3872 has 3 MA's), (Start: 154 @3863 has 5 MA's), (Start: 198 @3767 has 4 MA's), (231, 3692), (242, 3656), (245, 3650), (287, 3521), (290, 3512), (335, 3401),

Gene: Suigeneris_8 Start: 6217, Stop: 5651, Start Num: 136

Candidate Starts for Suigeneris_8:

(Start: 136 @6217 has 28 MA's), (156, 6160), (Start: 198 @6058 has 4 MA's), (231, 5980), (245, 5938), (253, 5914), (266, 5887), (270, 5875), (290, 5800), (297, 5773), (326, 5701), (331, 5695),

Gene: Surely_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Surely_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Swiphy_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Swiphy_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Swish_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Swish_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: SynergyX_8 Start: 5414, Stop: 4863, Start Num: 134

Candidate Starts for SynergyX_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: TA17A_9 Start: 6543, Stop: 7049, Start Num: 159

Candidate Starts for TA17A_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (96, 6378), (98, 6381), (Start: 134 @6474 has 322 MA's), (Start: 155 @6531 has 1 MA's), (159, 6543), (Start: 164 @6561 has 1 MA's), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: TPA2_15 Start: 7500, Stop: 6925, Start Num: 145

Candidate Starts for TPA2_15:

(Start: 145 @7500 has 1 MA's), (150, 7488), (163, 7449), (167, 7440), (175, 7422), (193, 7380), (223, 7302), (228, 7287), (230, 7281), (231, 7278), (287, 7107), (300, 7056), (303, 7044), (339, 6972), (350, 6948), (353, 6936),

Gene: TallGrassMM_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for TallGrassMM_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Tangent_71 Start: 51275, Stop: 51913, Start Num: 133

Candidate Starts for Tangent_71:

(Start: 133 @51275 has 39 MA's), (194, 51425), (230, 51506), (232, 51515), (244, 51554), (250, 51569), (269, 51617), (292, 51716), (311, 51797), (338, 51854),

Gene: Tangerine_67 Start: 50157, Stop: 50792, Start Num: 133

Candidate Starts for Tangerine_67:

(Start: 133 @50157 has 39 MA's), (232, 50394), (244, 50433), (250, 50448), (264, 50478), (266, 50487), (269, 50496), (292, 50595), (320, 50694),

Gene: Tardus_66 Start: 50008, Stop: 50655, Start Num: 131

Candidate Starts for Tardus_66:

(Start: 131 @50008 has 18 MA's), (162, 50086), (177, 50128), (179, 50134), (206, 50200), (244, 50302), (250, 50317), (255, 50332), (273, 50377), (275, 50386), (287, 50452), (289, 50461), (314, 50539), (356, 50644),

Gene: Teehee_54 Start: 42215, Stop: 41637, Start Num: 143

Candidate Starts for Teehee_54:

(59, 42458), (102, 42296), (Start: 143 @42215 has 30 MA's), (185, 42104), (223, 41999), (261, 41894), (275, 41849), (277, 41843), (286, 41804), (291, 41789), (304, 41735), (339, 41660),

Gene: Telesworld_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Telesworld_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Tempo_61 Start: 42398, Stop: 41835, Start Num: 143

Candidate Starts for Tempo_61:

(Start: 143 @42398 has 30 MA's), (197, 42254), (287, 41999), (290, 41990), (310, 41921), (339, 41858),

Gene: Thing3_67 Start: 51068, Stop: 51706, Start Num: 133

Candidate Starts for Thing3_67:

(Start: 133 @51068 has 39 MA's), (194, 51218), (230, 51299), (232, 51308), (244, 51347), (250, 51362), (269, 51410), (292, 51509), (311, 51590), (338, 51647),

Gene: Thonko_3 Start: 2519, Stop: 1968, Start Num: 134

Candidate Starts for Thonko_3:

(Start: 134 @2519 has 322 MA's), (Start: 198 @2369 has 4 MA's), (247, 2252), (286, 2129), (287, 2126), (338, 1991),

Gene: Thora_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Thora_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: ThreeOh3D2_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for ThreeOh3D2_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Tiamoceli_62 Start: 46644, Stop: 47270, Start Num: 131

Candidate Starts for Tiamoceli_62:

(Start: 131 @46644 has 18 MA's), (Start: 155 @46701 has 1 MA's), (188, 46785), (219, 46857), (229, 46887), (265, 46986), (287, 47088), (302, 47148), (331, 47202), (337, 47217),

Gene: TillyBobJoe_63 Start: 47091, Stop: 47690, Start Num: 147

Candidate Starts for TillyBobJoe_63:

(3, 46149), (4, 46155), (5, 46161), (6, 46167), (7, 46173), (9, 46197), (12, 46320), (27, 46635), (69, 46863), (Start: 147 @47091 has 29 MA's), (271, 47406), (275, 47421), (283, 47466), (299, 47523), (304, 47556), (309, 47565), (325, 47595), (331, 47607), (344, 47643), (354, 47673),

Gene: Timmi_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Timmi_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Tinciduntolum_10 Start: 6590, Stop: 7165, Start Num: 134

Candidate Starts for Tinciduntolum_10:

(82, 6455), (Start: 87 @6473 has 2 MA's), (96, 6494), (98, 6497), (Start: 134 @6590 has 322 MA's), (Start: 155 @6647 has 1 MA's), (159, 6659), (Start: 164 @6677 has 1 MA's), (202, 6770), (208, 6779), (242, 6869), (243, 6872), (245, 6875), (260, 6911), (273, 6947), (275, 6956), (286, 7001), (287, 7004), (290, 7013), (305, 7073), (308, 7079), (310, 7082), (331, 7118), (339, 7142), (342, 7151),

Gene: Tissue_54 Start: 41854, Stop: 41282, Start Num: 143

Candidate Starts for Tissue_54:

(106, 41941), (Start: 143 @41854 has 30 MA's), (166, 41788), (220, 41650), (223, 41641), (229, 41623), (268, 41515), (273, 41500), (275, 41491), (286, 41446), (290, 41434), (312, 41359), (328, 41329), (339, 41305),

Gene: TomBombadil_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for TomBombadil_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Tomlarah_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Tomlarah_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513),

Gene: Toni_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Toni_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 154 @3865 has 5 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Tooj_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Tooj_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Tres_9 Start: 6474, Stop: 7049, Start Num: 134

Candidate Starts for Tres_9:

(82, 6339), (Start: 87 @6357 has 2 MA's), (89, 6360), (94, 6372), (96, 6378), (Start: 134 @6474 has 322 MA's), (161, 6546), (170, 6573), (202, 6654), (208, 6663), (242, 6753), (243, 6756), (245, 6759), (260, 6795), (273, 6831), (275, 6840), (286, 6885), (287, 6888), (290, 6897), (305, 6957), (308, 6963), (310, 6966), (331, 7002), (339, 7026), (342, 7035),

Gene: True_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for True_6:

(Start: 134 @3916 has 322 MA's), (Start: 148 @3886 has 19 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Trypo_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Trypo_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Twonlo_60 Start: 45734, Stop: 46360, Start Num: 131

Candidate Starts for Twonlo_60:

(Start: 131 @45734 has 18 MA's), (Start: 155 @45791 has 1 MA's), (188, 45875), (219, 45947), (229, 45977), (265, 46076), (287, 46178), (302, 46238), (331, 46292), (337, 46307),

Gene: Tycho_65 Start: 49973, Stop: 50608, Start Num: 133

Candidate Starts for Tycho_65:

(Start: 133 @49973 has 39 MA's), (232, 50210), (244, 50249), (250, 50264), (264, 50294), (266, 50303), (269, 50312), (302, 50471), (320, 50510),

Gene: Tydolla_8 Start: 6251, Stop: 5625, Start Num: 101

Candidate Starts for Tydolla_8:

(Start: 101 @6251 has 4 MA's), (111, 6233), (Start: 134 @6176 has 322 MA's), (Start: 148 @6146 has 19 MA's), (Start: 171 @6095 has 2 MA's), (184, 6068), (Start: 198 @6029 has 4 MA's), (213, 5996), (219, 5984), (276, 5831), (286, 5789), (294, 5756), (303, 5723), (328, 5672), (339, 5645),

Gene: Typha_83 Start: 54897, Stop: 55466, Start Num: 148

Candidate Starts for Typha_83:

(96, 54768), (98, 54771), (114, 54807), (Start: 148 @54897 has 19 MA's), (169, 54963), (215, 55053), (217, 55056), (229, 55086), (230, 55089), (250, 55146), (261, 55170), (266, 55185), (269, 55194), (270, 55197), (271, 55200), (274, 55212), (287, 55260), (292, 55281), (312, 55347), (324, 55368),

(338, 55401), (346, 55422), (351, 55434),

Gene: TyrionL_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for TyrionL_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: UAch1_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for UAch1_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: UBSmoodge_115 Start: 82495, Stop: 83070, Start Num: 148

Candidate Starts for UBSmoodge_115:

(Start: 148 @82495 has 19 MA's), (187, 82579), (194, 82609), (229, 82690), (234, 82708), (235, 82711), (249, 82753), (264, 82786), (278, 82840), (279, 82843), (310, 82966), (327, 82999), (334, 83011),

Gene: Ubuntu_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Ubuntu_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: UncleHowie_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for UncleHowie_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Usavi_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Usavi_6:

(Start: 134 @3915 has 322 MA's), (Start: 148 @3885 has 19 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Vaishali24_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Vaishali24_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: ValentiniPuff_108 Start: 60343, Stop: 60918, Start Num: 155

Candidate Starts for ValentiniPuff_108:

(Start: 155 @60343 has 1 MA's), (169, 60385), (192, 60430), (201, 60463), (205, 60472), (218, 60493), (226, 60520), (275, 60643), (278, 60655), (283, 60688), (284, 60691), (287, 60700), (292, 60721), (303, 60772), (314, 60796), (322, 60811),

Gene: Valjean_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Valjean_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Vaticameos_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Vaticameos_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Veritas_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Veritas_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Verity_65 Start: 50949, Stop: 51596, Start Num: 131

Candidate Starts for Verity_65:

(77, 50787), (78, 50793), (80, 50811), (112, 50898), (Start: 131 @50949 has 18 MA's), (162, 51027), (177, 51069), (179, 51075), (188, 51090), (206, 51141), (229, 51192), (250, 51258), (287, 51393), (289, 51402), (314, 51480), (331, 51507), (356, 51585),

Gene: ViaConlectus_65 Start: 48514, Stop: 49161, Start Num: 130

Candidate Starts for ViaConlectus_65:

(Start: 130 @48514 has 2 MA's), (162, 48592), (177, 48634), (179, 48640), (206, 48706), (244, 48808), (250, 48823), (273, 48883), (275, 48892), (287, 48958), (289, 48967), (314, 49045), (331, 49072), (356, 49150),

Gene: Viceroy_52 Start: 41115, Stop: 40537, Start Num: 143

Candidate Starts for Viceroy_52:

(59, 41358), (102, 41196), (Start: 143 @41115 has 30 MA's), (185, 41004), (223, 40899), (261, 40794), (275, 40749), (277, 40743), (286, 40704), (291, 40689), (304, 40635), (339, 40560),

Gene: Vincenzo_8 Start: 6947, Stop: 6363, Start Num: 136

Candidate Starts for Vincenzo_8:

(Start: 136 @6947 has 28 MA's), (Start: 171 @6842 has 2 MA's), (Start: 198 @6773 has 4 MA's), (231, 6695), (245, 6653), (249, 6641), (253, 6629), (266, 6602), (271, 6587), (286, 6527), (294, 6494), (305, 6452), (316, 6428),

Gene: VioletZ_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for VioletZ_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (270, 5904), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Virapocalypse_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Virapocalypse_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Virgeve_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Virgeve_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Vista_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Vista_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 154 @3864 has 5 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Vivaldi_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Vivaldi_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: Vivi2_73 Start: 52330, Stop: 52968, Start Num: 133

Candidate Starts for Vivi2_73:

(Start: 133 @52330 has 39 MA's), (194, 52480), (232, 52570), (244, 52609), (250, 52624), (269, 52672), (271, 52678), (292, 52771), (311, 52852), (338, 52909),

Gene: Vortex_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Vortex_6:

(Start: 134 @3919 has 322 MA's), (Start: 148 @3889 has 19 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Waleliano_7 Start: 6243, Stop: 5680, Start Num: 136

Candidate Starts for Waleliano_7:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (258, 5934), (270, 5904), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Wallhey_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Wallhey_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: Walrus_73 Start: 47019, Stop: 47603, Start Num: 148

Candidate Starts for Walrus_73:

(141, 47004), (Start: 148 @47019 has 19 MA's), (169, 47085), (174, 47100), (204, 47172), (229, 47223), (230, 47226), (231, 47229), (244, 47268), (252, 47289), (281, 47376), (291, 47427), (292, 47436), (310, 47496),

Gene: Waterdiva_6 Start: 3919, Stop: 3365, Start Num: 134

Candidate Starts for Waterdiva_6:

(Start: 134 @3919 has 322 MA's), (Start: 152 @3874 has 3 MA's), (Start: 198 @3769 has 4 MA's), (231, 3694), (242, 3658), (245, 3652), (287, 3523), (290, 3514), (335, 3403),

Gene: Wayne3_55 Start: 41978, Stop: 41400, Start Num: 143

Candidate Starts for Wayne3_55:

(59, 42221), (102, 42059), (Start: 143 @41978 has 30 MA's), (185, 41867), (223, 41762), (261, 41657), (275, 41612), (277, 41606), (286, 41567), (291, 41552), (304, 41498), (339, 41423),

Gene: Webster2_74 Start: 48245, Stop: 48856, Start Num: 147

Candidate Starts for Webster2_74:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293,

48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Weher20_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for Weher20_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510),

Gene: West99_9 Start: 6591, Stop: 7166, Start Num: 134

Candidate Starts for West99_9:

(82, 6456), (Start: 87 @6474 has 2 MA's), (96, 6495), (98, 6498), (Start: 134 @6591 has 322 MA's), (Start: 155 @6648 has 1 MA's), (159, 6660), (Start: 164 @6678 has 1 MA's), (202, 6771), (208, 6780), (242, 6870), (243, 6873), (245, 6876), (260, 6912), (273, 6948), (275, 6957), (286, 7002), (287, 7005), (290, 7014), (305, 7074), (308, 7080), (310, 7083), (331, 7119), (339, 7143), (342, 7152),

Gene: Whack_67 Start: 43772, Stop: 44335, Start Num: 147

Candidate Starts for Whack_67:

(107, 43679), (119, 43697), (Start: 133 @43742 has 39 MA's), (137, 43751), (Start: 147 @43772 has 29 MA's), (174, 43859), (182, 43868), (210, 43946), (219, 43961), (223, 43973), (239, 44024), (255, 44069), (271, 44108), (287, 44180), (310, 44249), (329, 44285), (343, 44324),

Gene: Wheelie_53 Start: 41299, Stop: 40721, Start Num: 143

Candidate Starts for Wheelie_53:

(59, 41542), (102, 41380), (Start: 143 @41299 has 30 MA's), (185, 41188), (223, 41083), (261, 40978), (275, 40933), (277, 40927), (286, 40888), (291, 40873), (304, 40819), (339, 40744),

Gene: Wilca_61 Start: 42242, Stop: 41679, Start Num: 143

Candidate Starts for Wilca_61:

(110, 42308), (115, 42299), (Start: 143 @42242 has 30 MA's), (229, 42020), (286, 41846), (287, 41843), (290, 41834), (310, 41765), (339, 41702),

Gene: Windsor_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Windsor_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 154 @3862 has 5 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511),

Gene: Wishmaker_67 Start: 48164, Stop: 48856, Start Num: 118

Candidate Starts for Wishmaker_67:

(46, 47927), (Start: 118 @48164 has 9 MA's), (Start: 123 @48173 has 3 MA's), (135, 48215), (Start: 147 @48245 has 29 MA's), (Start: 171 @48326 has 2 MA's), (202, 48410), (216, 48434), (220, 48443), (230, 48473), (238, 48506), (266, 48572), (277, 48608), (285, 48662), (292, 48686), (293, 48689), (297, 48704), (303, 48731), (310, 48746), (314, 48755), (324, 48773), (333, 48788),

Gene: Wocket_74 Start: 46904, Stop: 47488, Start Num: 146

Candidate Starts for Wocket_74:

(Start: 146 @46904 has 3 MA's), (174, 46985), (204, 47057), (230, 47111), (231, 47114), (244, 47153), (252, 47174), (287, 47300), (291, 47312), (292, 47321), (310, 47381),

Gene: Wooper_8 Start: 6372, Stop: 5821, Start Num: 134

Candidate Starts for Wooper_8:

(103, 6432), (116, 6417), (122, 6411), (Start: 134 @6372 has 322 MA's), (Start: 152 @6327 has 3 MA's), (153, 6321), (Start: 198 @6234 has 4 MA's), (205, 6216), (218, 6192), (229, 6165), (230, 6162), (231, 6159), (268, 6060), (290, 5979), (310, 5907), (319, 5886), (342, 5832),

Gene: Xavier_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Xavier_6:

(Start: 134 @3918 has 322 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335, 3402),

Gene: Yago84_5 Start: 4720, Stop: 4193, Start Num: 134

Candidate Starts for Yago84_5:

(Start: 134 @4720 has 322 MA's), (172, 4645), (257, 4450), (259, 4447), (268, 4426), (275, 4402), (277, 4396), (286, 4357), (291, 4342), (294, 4324), (304, 4288), (310, 4276), (339, 4213),

Gene: Yahalom_8 Start: 5486, Stop: 4863, Start Num: 104

Candidate Starts for Yahalom_8:

(Start: 104 @5486 has 7 MA's), (Start: 134 @5414 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: Yinz_8 Start: 5441, Stop: 4863, Start Num: 134

Candidate Starts for Yinz_8:

(Start: 101 @5516 has 4 MA's), (111, 5498), (Start: 134 @5441 has 322 MA's), (Start: 171 @5333 has 2 MA's), (184, 5306), (Start: 198 @5267 has 4 MA's), (213, 5234), (219, 5222), (276, 5069), (286, 5027), (294, 4994), (303, 4961), (328, 4910), (339, 4883),

Gene: YorkOnyx_68 Start: 50153, Stop: 50788, Start Num: 133

Candidate Starts for YorkOnyx_68:

(Start: 133 @50153 has 39 MA's), (194, 50300), (232, 50390), (244, 50429), (250, 50444), (268, 50489), (271, 50498), (283, 50558), (292, 50591), (320, 50690),

Gene: Yoshand_6 Start: 3916, Stop: 3362, Start Num: 134

Candidate Starts for Yoshand_6:

(Start: 134 @3916 has 322 MA's), (Start: 152 @3871 has 3 MA's), (Start: 198 @3766 has 4 MA's), (231, 3691), (242, 3655), (245, 3649), (287, 3520), (290, 3511), (335, 3400),

Gene: YouGoGlencoco_6 Start: 3915, Stop: 3361, Start Num: 134

Candidate Starts for YouGoGlencoco_6:

(Start: 134 @3915 has 322 MA's), (Start: 152 @3870 has 3 MA's), (Start: 154 @3861 has 5 MA's), (Start: 198 @3765 has 4 MA's), (231, 3690), (242, 3654), (245, 3648), (287, 3519), (290, 3510), (335, 3399),

Gene: Zagie_54 Start: 41639, Stop: 41064, Start Num: 138

Candidate Starts for Zagie_54:

(Start: 138 @41639 has 4 MA's), (166, 41570), (220, 41432), (223, 41423), (229, 41405), (268, 41297), (273, 41282), (275, 41273), (286, 41228), (312, 41141), (328, 41111), (339, 41087),

Gene: Zaider_7 Start: 4148, Stop: 3594, Start Num: 134

Candidate Starts for Zaider_7:

(Start: 134 @4148 has 322 MA's), (Start: 148 @4118 has 19 MA's), (Start: 152 @4103 has 3 MA's), (Start: 198 @3998 has 4 MA's), (231, 3923), (242, 3887), (245, 3881), (287, 3752), (290, 3743), (335, 3632),

Gene: Zelda_6 Start: 3918, Stop: 3364, Start Num: 134

Candidate Starts for Zelda_6:

(Start: 134 @3918 has 322 MA's), (Start: 148 @3888 has 19 MA's), (Start: 152 @3873 has 3 MA's), (Start: 198 @3768 has 4 MA's), (231, 3693), (242, 3657), (245, 3651), (287, 3522), (290, 3513), (335,

3402),

Gene: Zemanar_8 Start: 6294, Stop: 5680, Start Num: 121

Candidate Starts for Zemanar_8:

(114, 6303), (Start: 121 @6294 has 3 MA's), (Start: 133 @6252 has 39 MA's), (Start: 136 @6243 has 28 MA's), (Start: 198 @6087 has 4 MA's), (202, 6075), (229, 6015), (242, 5973), (245, 5967), (249, 5955), (266, 5916), (270, 5904), (286, 5841), (294, 5808), (303, 5775), (304, 5772), (310, 5760), (311, 5757), (331, 5724), (338, 5703),

Gene: Zenteno07_11 Start: 5106, Stop: 4525, Start Num: 134

Candidate Starts for Zenteno07_11:

(Start: 127 @5127 has 2 MA's), (132, 5115), (Start: 134 @5106 has 322 MA's), (177, 4998), (184, 4983), (Start: 198 @4941 has 4 MA's), (231, 4863), (245, 4821), (253, 4797), (286, 4686), (287, 4683), (331, 4569), (339, 4545),

Gene: Zhafia_56 Start: 41779, Stop: 41201, Start Num: 143

Candidate Starts for Zhafia_56:

(59, 42022), (102, 41860), (Start: 143 @41779 has 30 MA's), (185, 41668), (223, 41563), (261, 41458), (275, 41413), (277, 41407), (286, 41368), (291, 41353), (304, 41299), (339, 41224),

Gene: Zipp_67 Start: 51011, Stop: 51658, Start Num: 131

Candidate Starts for Zipp_67:

(77, 50849), (78, 50855), (80, 50873), (112, 50960), (Start: 131 @51011 has 18 MA's), (162, 51089), (177, 51131), (179, 51137), (188, 51152), (206, 51203), (244, 51305), (250, 51320), (273, 51380), (275, 51389), (287, 51455), (289, 51464), (314, 51542), (331, 51569), (356, 51647),

Gene: Zitch_68 Start: 49247, Stop: 49894, Start Num: 130

Candidate Starts for Zitch_68:

(Start: 130 @49247 has 2 MA's), (162, 49325), (177, 49367), (179, 49373), (206, 49439), (244, 49541), (250, 49556), (273, 49616), (275, 49625), (287, 49691), (289, 49700), (314, 49778), (331, 49805), (356, 49883),

Gene: Zonia_6 Start: 3914, Stop: 3360, Start Num: 134

Candidate Starts for Zonia_6:

(Start: 134 @3914 has 322 MA's), (Start: 152 @3869 has 3 MA's), (Start: 154 @3860 has 5 MA's), (Start: 198 @3764 has 4 MA's), (231, 3689), (242, 3653), (245, 3647), (287, 3518), (290, 3509), (335, 3398),

Gene: pZL12_4c Start: 3305, Stop: 2700, Start Num: 142

Candidate Starts for pZL12_4c:

(142, 3305), (208, 3113), (307, 2810), (333, 2768),

Gene: phiAsp2_46 Start: 36920, Stop: 37414, Start Num: 177

Candidate Starts for phiAsp2_46:

(68, 36587), (82, 36665), (84, 36671), (105, 36728), (177, 36920), (180, 36929), (191, 36947), (222, 37043), (224, 37052), (236, 37094), (241, 37109), (249, 37133), (285, 37250), (310, 37328), (323, 37355), (338, 37385), (339, 37388), (345, 37403),