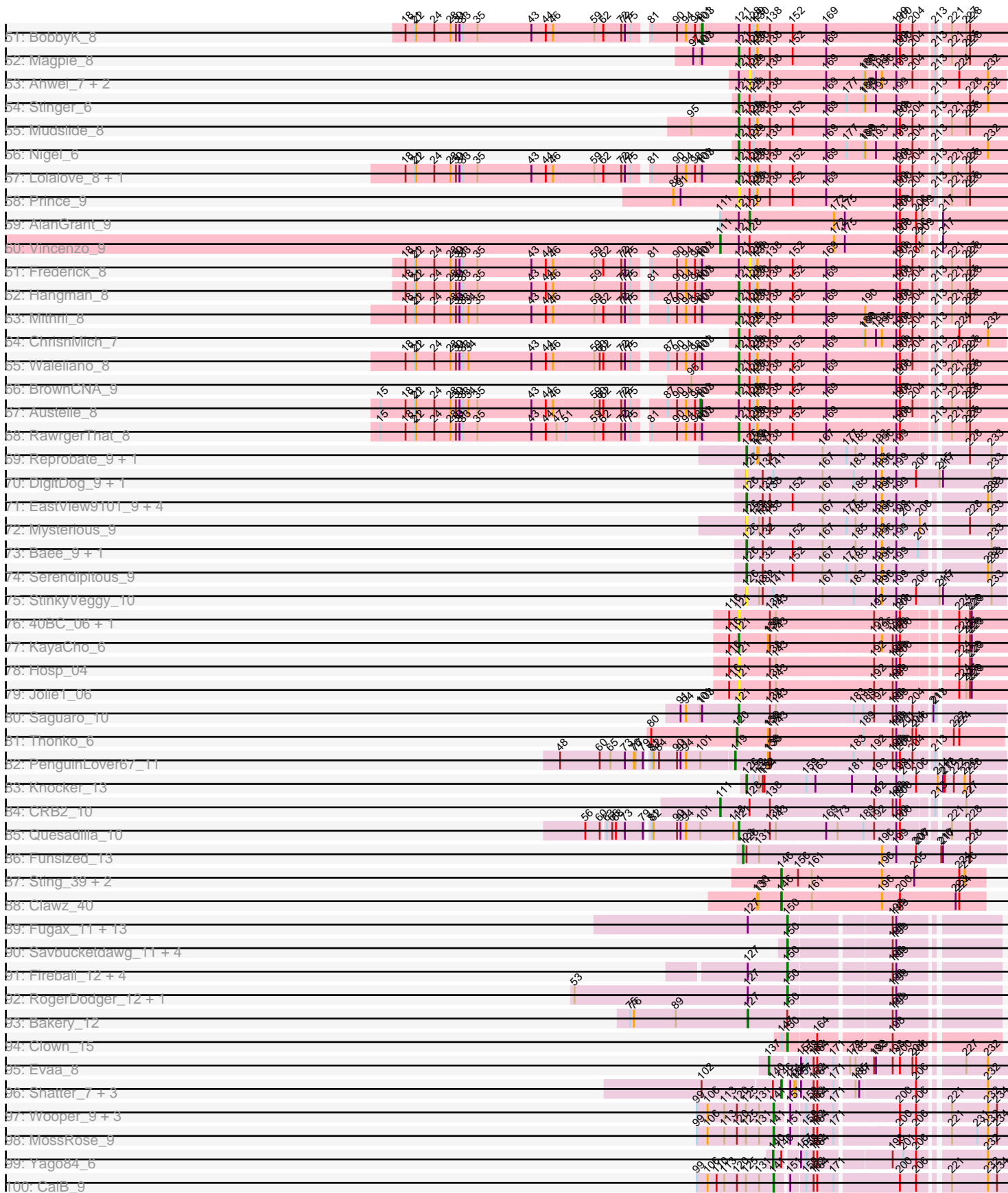
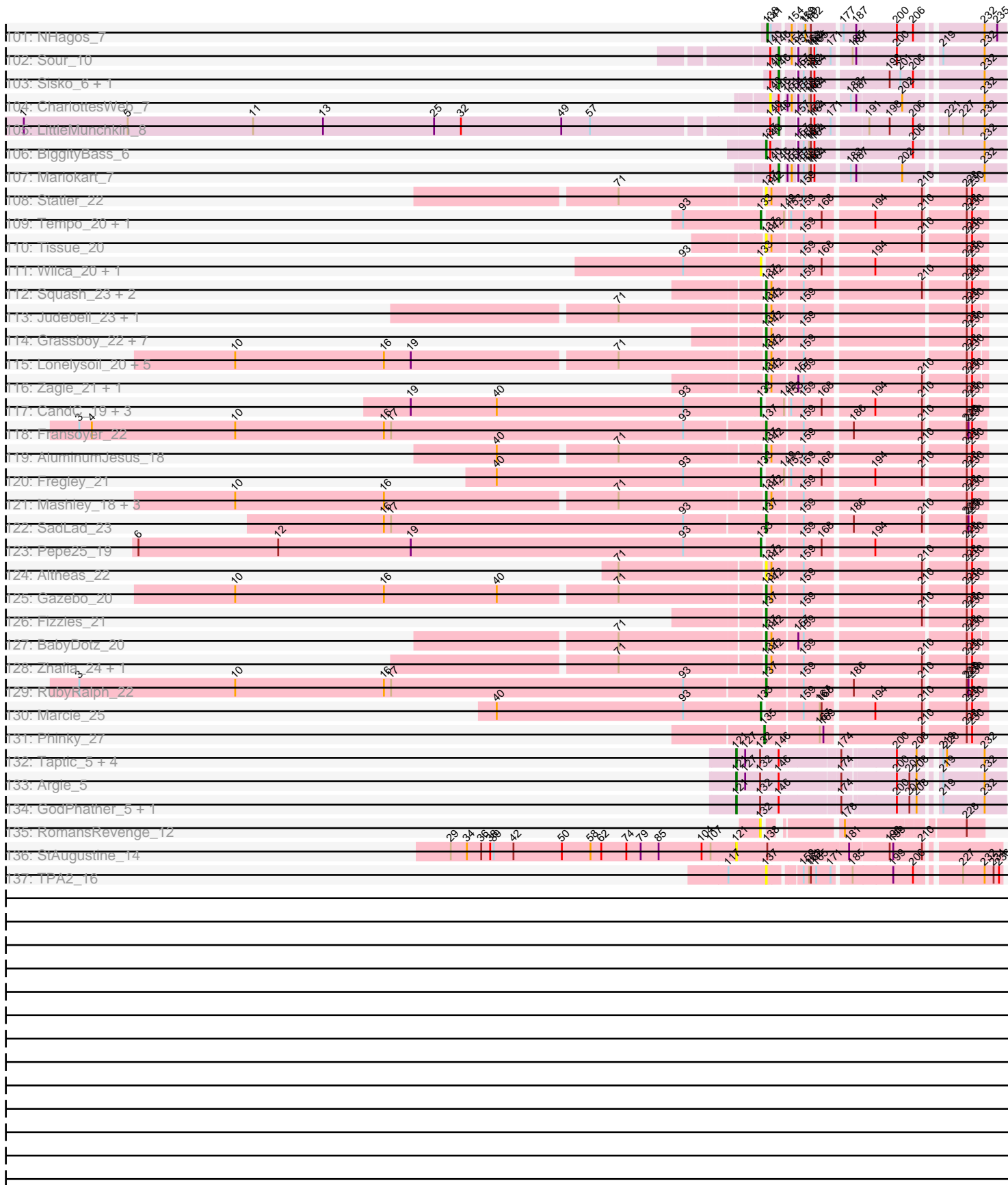


Pham 171097



Pham 171097



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 171097 Report

This analysis was run 07/09/24 on database version 566.

Pham number 171097 has 542 members, 65 are drafts.

Phages represented in each track:

- Track 1 : Mao1_5, Mask_6, Sejanus_6
- Track 2 : Dori_6
- Track 3 : Rizwana_15
- Track 4 : Wilde_16, Tank_16
- Track 5 : MellowYellow_17, Odyssey395_23, Pureglobe5_23, Pointis_21
- Track 6 : Beagle_22
- Track 7 : BruhMoment_17
- Track 8 : AWGoat_16
- Track 9 : SilentRX_17
- Track 10 : Struggle_7, Veritas_7, MichaelPhcott_7, PhrankReynolds_7, Trypo_7, Wallhey_7, Mag7_7, Labeouficaum_7, Phleuron_7, Freya_7, Oline_7, Coletti_7, Derpp_7, PhenghisKhan_7, Doddsville_7, DuchessDung_7, BatteryCK_7, Chute_7, CharlieGBrown_7, Pinkman_7, TyrionL_7, Kailash_7, Phergie_7
- Track 11 : Selr12_7, MelsMeow_7, Plmatters_7, Windsor_7, Lumine_7, Roliet_7, Crownjwl_8, Phipps_7, Soto_7, Dione_7, Roscoe_8, Olak_7, Scrick_7, Haleema_7, Phunky_7, Dingo_7, MiniBoss_7, Kwksand96_7, Chaelin_7, LuckyMarjie_7
- Track 12 : Virgeve_7, Morty_7, HenryJackson_7, Orion_7, Weher20_7, Childish_7, Adriana_7, Skippy_7, Yoshand_7, LemonSlice_7, Kloppinator_7, Legolas_7, Puhltonio_7, ThreeOh3D2_7, ProfessorX_7, DonSanchon_7, Riggan_7, Pherdinand_7, PhrodoBaggins_7, ShiVal_7, Orwigg_8, Dati_7, Serendipity_7, Slatt_7, Craff_7, Vaishali24_7, Surely_7, True_7, Quisquilliae_7, Oosterbaan_7, Haimas_7, Cobra_7, Burr_7, Iridoclysis_7, DirtJuice_7, Usavi_7, Valjean_7, Thora_7, TomBombadil_7, Murdoc_7, Zaider_8, Inchworm_7, Placalicious_7, Boehler_7, Hamish_7, Hetaeria_7, Megatron_7, Xavier_7, Lulwa_7, Spartan300_7, TallGrassMM_7, Schadenfreude_7, Pipsqueak_7, Hocus_7, Colbert_7, UncleHowie_7, Squiggle_7, Mana_7, Simielle_7, BlackStallion_7, Vista_7, Gophee_7, Solosis_7, Potter_7, Sigman_7, Fang_7, LeeLot_7, Samaymay_7, Sophia_7, Nyala_7, Altwerkus_7, Emiris_7, Zelda_7, Hartsy_7, Chah_7, Andre_8, ABU_7, Kahve_7, MRabcd_7, YouGoGlencoco_7, IsaacEli_7, AltPhacts_7, Omniscient_7, Mutante_7, QueenBeane_7, KLucky39_7, Bishoperium_7, Apizium_7, SassyCat97_7, Charles1_7, Piglet_007, Mesh1_7, Antonia_7, Banjo_7, Dice_8, LostAndPhound_7, FriarPreacher_7, Keitherie_7, Kikipoo_7, HighStump_7, Lego3393_7, Vortex_7, PG1_7, JacAttac_7, LasagnaCat_7, Mecca_7, PinheadLarry_7, Olive_7, Mosaic_7, Megamind20_8, Chorkpop_7, Hertubise_7, Gareth_7, Bluephacebaby_7, Serpentine_007, Phareon_7, CamL_7, Telesworld_7, Cannibal_7, Magic8_7, Jillium_7, Vaticameos_7, Sheila_7, Podrick_7, Fringe_7, Phamished_7, UAch1_7, Manad_7, Waterdiva_7, Lasso_7, Schueller_7, Cher_7,

Cornobble_7, Squid_7, Anderson_7, Vivaldi_7, Numberten_7, Mcshane_7, Horchata_7

- Track 13 : Fozzie_7, Swiphy_7, GeneCoco_7, OSmaximus_7, Pacifista_8, PhatLouie_7
- Track 14 : Brilliant_7, LeiMonet_7, Longacauda_7, MrPhizzler_7, JakeO_7, Durga_7, Thunderbird_7, Jiminy_7, JDog_7, DaddyDaniels_7, Zonia_7, Jiraiya_7, Duggie_7, Rimu_7
- Track 15 : RedMaple_7
- Track 16 : Swish_7, Katniss_7, Badfish_7
- Track 17 : EmpTee_7, Robyn_7, PhatCats2014_7, Matalotodo_7, Newman_7, Grand2040_7, Eremos_7, KingTut_7, Lulumae_7, MitKao_7, Gyarad_007, Nacho_007, Eugenia_7, Prickles_7, Roy17_7, Held_7, Lopsy_7, Daka_7, Aelin_7, HSavage_7, Cosmolli16_7, Tooj_7, AbsoluteMadLad_7, OliverWalter_7, Pops_7, Nicole21_7, KlimbOn_7, Daffy_7, Suffolk_7, Carthage_7, Toni_7, CampRoach_7, Scoot17C_7, Virapocalypse_7, FugateOSU_7, JangoPhett_7, Frankicide_7, Giraffe_7, Mulan_7, CheetO_7, Maru_7, Gwilliam_8, Inverness_7
- Track 18 : Chunky_7, Melc17_7
- Track 19 : Buckeye_7
- Track 20 : DoesntMatter_7, FluffyNinja_7, Beaglebox_7
- Track 21 : Basato_8
- Track 22 : KingVeVeVe_7, Ricotta_7, Kwadwo_7
- Track 23 : Tomlarah_7, Kimbrough_7
- Track 24 : Timmi_7
- Track 25 : Soile_7, DelRivs_7, Harvey_7, Orfeu_7
- Track 26 : Etaye_7
- Track 27 : Ashraf_7, Maskar_7, ImtiyazSitla_7
- Track 28 : SDcharge11_7
- Track 29 : Morgushi_7
- Track 30 : Mikota_7
- Track 31 : BlueHusk_7
- Track 32 : Imvubu_4
- Track 33 : Indlovu_8
- Track 34 : LilMcDreamy_9
- Track 35 : Zenteno07_12
- Track 36 : BirdsNest_11
- Track 37 : Hashim76_12
- Track 38 : Boyle_11, Kheth_11, Ares_11, Eaglehorse_11, ItsyBitsy1_11, Hedgerow_11, Lephleur_11, FrenchFry_11, Sabella_11, Phantasmagoria_11, MasterPo_11, Faze9_11, Tinciduntsolum_12, Kaleb_11, Brownie5_11, Rosebush_11, Glass_11, West99_11, Bananafish_11, Opia_11, Coffee_11
- Track 39 : LizLemon_11, Blocker23_11, Lars_11, Tres_11, Godines_11, Qyrzula_11
- Track 40 : Arbiter_11, TA17A_11
- Track 41 : Calamitous_11, Laurie_11
- Track 42 : Rhinoforte_11, Allegro_11
- Track 43 : Holeinone_11
- Track 44 : Yinz_10, Kronus_9, GlenHope_11, RagingRooster_10, Audrey_10, Phaedruss_9, Pipefish_10, Bernardo_10, Compostia_10, Chandler_10, HarveySr_10, Briakila_10, Corofin_10, Heathcliff_10, Casbah_9, SynergyX_10, Baloo_10, Mortcellus_9, Jackstina_9, Daisy_10, RomaT_10, Nozo_10, ChaChing_10, Gervas_10, MmasiCarm_10, Marley1013_10, Philly_9, Ben11_9, Rita1961_10, Yahalom_10, Morty007_10, Neos5_10, Kamiyu_10, Akoma_10, OrangeOswald_10, Phlyer_10, Tydolla_10, SlippinJimmy_10, Abinghost_10, Halfpint_9, Gadjet_11,

Devonte_10, Deenasa_10, Obutu_10, Phayeta_10

- Track 45 : Athena_11, LestyG_10
- Track 46 : JAMaL_7
- Track 47 : Apex_7
- Track 48 : VioletZ_8, Zemanar_9, Heath_8
- Track 49 : JaguarMi_9
- Track 50 : Cooper_8
- Track 51 : BobbyK_8
- Track 52 : Magpie_8
- Track 53 : Ahwei_7, Poster_7, Nanao_7
- Track 54 : Stinger_6
- Track 55 : Mudslide_8
- Track 56 : Nigel_6
- Track 57 : Lolalove_8, Hydro_8
- Track 58 : Prince_9
- Track 59 : AlanGrant_9
- Track 60 : Vincenzo_9
- Track 61 : Frederick_8
- Track 62 : Hangman_8
- Track 63 : Mithril_8
- Track 64 : ChrisMich_7
- Track 65 : Waleliano_8
- Track 66 : BrownCNA_9
- Track 67 : Austelle_8
- Track 68 : RawrgerThat_8
- Track 69 : Reprobate_9, Phelemich_9
- Track 70 : DigitDog_9, Nangang_9
- Track 71 : EastView9101_9, SirJeffery_9, Suigeneris_9, Acadian_9, Donny_9
- Track 72 : Mysterious_9
- Track 73 : Bae_9, Rich_9
- Track 74 : Serendipitous_9
- Track 75 : StinkyVeggy_10
- Track 76 : 40BC_06, 39HC_06
- Track 77 : KayaCho_6
- Track 78 : Hosp_04
- Track 79 : Jolie1_06
- Track 80 : Saguaro_10
- Track 81 : Thonko_6
- Track 82 : PenguinLover67_11
- Track 83 : Knocker_13
- Track 84 : CRB2_10
- Track 85 : Quesadilla_10
- Track 86 : Funsized_13
- Track 87 : Sting_39, Soos_36, DonTron_40
- Track 88 : Clawz_40
- Track 89 : Fugax_11, PinkCoffee_11, Mutzi_11, KimmyK_11, ClamChowder_11, Salvador_11, Twister6_11, Arri_12, VanDeWege_12, Evamon_11, Barb_11, Togo_11, Danyall_11, SmokingBunny_11
- Track 90 : Savbucketdawg_11, Shinji_11, Jambalaya_11, TillyBobJoe_11, Portcullis_11
- Track 91 : Fireball_12, Gezellig_11, Phlop_11, Wizard_11, PullumCavea_11
- Track 92 : RogerDodger_12, Valary_12
- Track 93 : Bakery_12

- Track 94 : Clown_15
- Track 95 : Evaa_8
- Track 96 : Shatter_7, Ligma_7, Fresco_7, Axumite_7
- Track 97 : Wooper_9, AnarQue_9, MakoManhole_9, CloverMinnie_9
- Track 98 : MossRose_9
- Track 99 : Yago84_6
- Track 100 : CaiB_9
- Track 101 : NHagos_7
- Track 102 : Sour_10
- Track 103 : Sisko_6, AnClar_6
- Track 104 : CharlottesWeb_7
- Track 105 : LittleMunchkin_8
- Track 106 : BiggityBass_6
- Track 107 : Mariokart_7
- Track 108 : Statler_22
- Track 109 : Tempo_20, OneinaGillian_20
- Track 110 : Tissue_20
- Track 111 : Wilca_20, BirdInFrench_20
- Track 112 : Squash_23, Nike_21, Blab_18
- Track 113 : Judebell_23, Phabia_21
- Track 114 : Grassboy_22, StrawberryJamm_23, Sillytadpoles_21, Rudy_19, Viceroy_20, Teehee_22, Quammi_19, Kyva_23
- Track 115 : Lonelysoil_20, Wayne3_22, DonaldDuck_21, Casend_22, Jehoshaphat_23, Wheelie_20
- Track 116 : Zagie_21, Rowlf_17
- Track 117 : CandC_19, Kelcole_19, RobinRose_21, Romm_21
- Track 118 : Fransoyer_22
- Track 119 : AluminumJesus_18
- Track 120 : Fregley_21
- Track 121 : Mashley_18, Llemily_21, Hyperion_19, SallyK_22
- Track 122 : SadLad_23
- Track 123 : Pepe25_19
- Track 124 : Altheas_22
- Track 125 : Gazebo_20
- Track 126 : Fizzles_21
- Track 127 : BabyDotz_20
- Track 128 : Zhafia_24, Namago_21
- Track 129 : RubyRalph_22
- Track 130 : Marcie_25
- Track 131 : Phinky_27
- Track 132 : Taptic_5, PR_05, D12_05, Megabear_5, Cepens_5
- Track 133 : Argie_5
- Track 134 : GodPhather_5, Jeon_5
- Track 135 : RomansRevenge_12
- Track 136 : StAugustine_14
- Track 137 : TPA2_16

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

The start number called the most often in the published annotations is 118, it was called in 244 of the 477 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_7, AbsoluteMadLad_7, Adriana_7, Aelin_7, AltPhacts_7, Altwerkus_7, Anderson_7, Andre_8, Antonia_7, Apizium_7, Banjo_7, Basato_8, BatteryCK_7, BirdsNest_11, Bishoperium_7, BlackStallion_7, BlueHusk_7, Bluephacebaby_7, Boehler_7, Brilliant_7, Buckeye_7, Burr_7, CamL_7, CampRoach_7, Cannibal_7, Carthage_7, Chaelin_7, Chah_7, Charles1_7, CharlieGBrown_7, CheetO_7, Cher_7, Childish_7, Chorkpop_7, Chunky_7, Chute_7, Cobra_7, Colbert_7, Coletti_7, Cornobble_7, Cosmolli16_7, Craff_7, Crownjwl_8, DaddyDaniels_7, Daffy_7, Daka_7, Dati_7, DelRivs_7, Derpp_7, Dice_8, Dingo_7, Dione_7, DirtJuice_7, Doddsville_7, DonSanchon_7, DuchessDung_7, Duggie_7, Durga_7, Emiris_7, EmpTee_7, Eremos_7, Eugenia_7, Fang_7, Fozzie_7, Frankicide_7, Freya_7, FriarPreacher_7, Fringe_7, FugateOSU_7, Gareth_7, GeneCoco_7, Giraffe_7, Gophee_7, Grand2040_7, Gwilliam_8, Gyarad_007, HSavage_7, Haimas_7, Haleema_7, Hamish_7, Hartsy_7, Harvey_7, Hashim76_12, Held_7, HenryJackson_7, Hertubise_7, Hetaeria_7, HighStump_7, Hocus_7, Horchata_7, Inchworm_7, Inverness_7, Iridoclysis_7, IsaacEli_7, JDog_7, JacAttac_7, JakeO_7, JangoPhett_7, Jillium_7, Jiminy_7, Jiraiya_7, KLucky39_7, Kahve_7, Kailash_7, Keitherie_7, Kikipoo_7, Kimbrough_7, KingTut_7, KingVeVeVe_7, KlimbOn_7, Kloppinator_7, Kwadwo_7, Kwksand96_7, Labeouficaum_7, LasagnaCat_7, Lasso_7, LeeLot_7, Lego3393_7, Legolas_7, LeiMonet_7, LemonSlice_7, Longacauda_7, Lopsy_7, LostAndPhound_7, LuckyMarjie_7, Lulumae_7, Lulwa_7, Lumine_7, MRabcd_7, Mag7_7, Magic8_7, Mana_7, Manad_7, Maru_7, Matalotodo_7, Mcshane_7, Mecca_7, Megamind20_8, Megatron_7, Melc17_7, MelsMeow_7, Mesh1_7, MichaelPhcott_7, Mikota_7, MiniBoss_7, MitKao_7, Morgushi_7, Morty_7, Mosaic_7, MrPhizzler_7, Mulan_7, Murdoc_7, Mutante_7, Nacho_007, Newman_7, Nicole21_7, Numberten_7, Nyala_7, OSmaximus_7, Olak_7, Oline_7, Olive_7, OliverWalter_7, Omniscient_7, Oosterbaan_7, Orfeu_7, Orion_7, Orwigg_8, PG1_7, Pacifista_8, Phamished_7, Phareon_7, PhatCats2014_7, PhatLouie_7, PhenghisKhan_7, Pherdinand_7, Phergie_7, Phipps_7, Phleuron_7, PhrankReynolds_7, PhrodoBaggins_7, Phunky_7, Piglet_007, PinheadLarry_7, Pinkman_7, Pipsqueak_7, Placalicious_7, Plmatters_7, Podrick_7, Pops_7, Potter_7, Prickles_7, ProfessorX_7, Puhltonio_7, QueenBeane_7, Quisquiliae_7, RedMaple_7, Ricotta_7, Riggan_7, Rimu_7, Robyn_7, Roliet_7, Roscoe_8, Roy17_7, SDcharge11_7, Samaymay_7, SassyCat97_7, Schadenfreude_7, Schueller_7, Scoot17C_7, Scrick_7, Selr12_7, Serendipity_7, Serpentine_007, Sheila_7, ShiVal_7, Sigman_7, Simielle_7, Skippy_7, Slatt_7, Soile_7, Solosis_7, Sophia_7, Soto_7, Spartan300_7, Squid_7, Squiggle_7, Struggle_7, Suffolk_7, Surely_7, Swiphy_7, TallGrassMM_7, Telesworld_7, Thora_7, ThreeOh3D2_7, Thunderbird_7, Timmi_7, TomBombadil_7, Tomlarah_7, Toni_7, Tooj_7, True_7, Trypo_7, TyrionL_7, UAch1_7, UncleHowie_7, Usavi_7, Vaishali24_7, Valjean_7, Vaticameos_7, Veritas_7, Virapocalypse_7, Virgeve_7, Vista_7, Vivaldi_7, Vortex_7, Wallhey_7, Waterdiva_7, Weher20_7, Windsor_7, Xavier_7, Yoshand_7, YouGoGlencoco_7, Zaider_8, Zelda_7, Zonia_7,

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

- Ashraf_7, Badfish_7, Beaglebox_7, DoesntMatter_7, Etaye_7, FluffyNinja_7, ImtiyazSitla_7, Indlovu_8, Katniss_7, Maskar_7, Quesadilla_10, Swish_7, Zenteno07_12,

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

• 39HC_06, 40BC_06, AWGoat_16, Abinghost_10, Acadian_9, Ahwei_7, Akoma_10, AlanGrant_9, Allegro_11, Altheas_22, AluminumJesus_18, AnClar_6, AnarQue_9, Apex_7, Arbiter_11, Ares_11, Argie_5, Arri_12, Athena_11, Audrey_10, Austelle_8, Axumite_7, BabyDotz_20, Bae_9, Bakery_12, Baloo_10, Bananafish_11, Barb_11, Beagle_22, Ben11_9, Bernardo_10, BiggityBass_6, BirdInFrench_20, Blab_18, Blocker23_11, BobbyK_8, Boyle_11, Briakila_10, BrownCNA_9, Brownie5_11, BruhMoment_17, CRB2_10, CaiB_9, Calamitous_11, CandC_19, Casbah_9, Casend_22, Cepens_5, ChaChing_10, Chandler_10, CharlottesWeb_7, ChrisnMich_7, ClamChowder_11, Clawz_40, CloverMinnie_9, Clown_15, Coffee_11, Compostia_10, Cooper_8, Corofin_10, D12_05, Daisy_10, Danyall_11, Deenasa_10, Devonte_10, DigitDog_9, DonTron_40, DonaldDuck_21, Donny_9, Dori_6, Eaglehorse_11, EastView9101_9, Eeva_8, Evamon_11, Faze9_11, Fireball_12, Fizzles_21, Fransoyer_22, Frederick_8, Fregley_21, FrenchFry_11, Fresco_7, Fugax_11, Funsized_13, Gadget_11, Gazebo_20, Gervas_10, Gezellig_11, Glass_11, GlenHope_11, GodPhather_5, Godines_11, Grassboy_22, Halfpint_9, Hangman_8, HarveySr_10, Heath_8, Heathcliff_10, Hedgerow_11, Holeinone_11, Hosp_04, Hydro_8, Hyperion_19, Imvubu_4, ItsyBitsy1_11, JAMaL_7, Jackstina_9, JaguarMi_9, Jambalaya_11, Jehoshaphat_23, Jeon_5, Jolie1_06, Judebell_23, Kaleb_11, Kamiyu_10, KayaCho_6, Kelcole_19, Kheth_11, KimmyK_11, Knocker_13, Kronus_9, Kyva_23, Lars_11, Laurie_11, Lephleur_11, LestyG_10, Ligma_7, LilMcDreamy_9, LittleMunchkin_8, LizLemon_11, Llemily_21, Lolalove_8, Lonelysoil_20, Magpie_8, MakoManhole_9, Mao1_5, Marcie_25, Mariokart_7, Marley1013_10, Mashley_18, Mask_6, MasterPo_11, Megabear_5, MellowYellow_17, Mithril_8, MmasiCarm_10, Mortcellus_9, Morty007_10, MossRose_9, Mudslide_8, Mutzi_11, Mysterious_9, NHagos_7, Namago_21, Nanao_7, Nangang_9, Neos5_10, Nigel_6, Nike_21, Nozo_10, Obutu_10, Odyssey395_23, OneinaGillian_20, Opia_11, OrangeOswald_10, PR_05, PenguinLover67_11, Pepe25_19, Phabia_21, Phaedrus_9, Phantasmagoria_11, Phayeta_10, Phelemich_9, Philly_9, Phinky_27, Phlop_11, Phlyer_10, PinkCoffee_11, Pipefish_10, Pointis_21, Portcullis_11, Poster_7, Prince_9, PullumCavea_11, Pureglobe5_23, Quammi_19, Qyrzula_11, RagingRooster_10, RawrgerThat_8, Reprobate_9, Rhinoforte_11, Rich_9, Rita1961_10, Rizwana_15, RobinRose_21, RogerDodger_12, RomaT_10, RomansRevenge_12, Romm_21, Rosebush_11, Rowlf_17, RubyRalph_22, Rudy_19, Sabella_11, SadLad_23, Saguaro_10, SallyK_22, Salvador_11, Savbucketdawg_11, Sejanus_6, Serendipitous_9, Shatter_7, Shinji_11, SilentRX_17, Sillytadpoles_21, SirJeffery_9, Sisko_6, SlippinJimmy_10, SmokingBunny_11, Soos_36, Sour_10, Squash_23, StAugustine_14, Statler_22, Sting_39, Stinger_6, StinkyVeggy_10, StrawberryJamm_23, Suigeneris_9, SynergyX_10, TA17A_11, TPA2_16, Tank_16, Taptic_5, Teehee_22, Tempo_20, Thonko_6, TillyBobJoe_11, Tinciduntolum_12, Tissue_20, Togo_11, Tres_11, Twister6_11, Tydolla_10, Valary_12, VanDeWege_12, Viceroy_20, Vincenzo_9, VioletZ_8, Waleliano_8, Wayne3_22, West99_11, Wheelie_20, Wilca_20, Wilde_16, Wizard_11, Wooper_9, Yago84_6, Yahalom_10, Yinz_10, Zagie_21, Zemanar_9, Zhafia_24,

Summary by start number:

Start 65:

- Found in 53 of 542 (9.8%) of genes in pham
- Manual Annotations of this start: 3 of 477
- Called 5.7% of time when present
- Phage (with cluster) where this start called: Ashraf_7 (B1), ImtiyazSitla_7 (B1), Maskar_7 (B1),

Start 90:

- Found in 288 of 542 (53.1%) of genes in pham
- Manual Annotations of this start: 7 of 477
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Badfish_7 (B1), Beaglebox_7 (B1), DoesntMatter_7 (B1), Etaye_7 (B1), FluffyNinja_7 (B1), Katniss_7 (B1), Swish_7 (B1),

Start 101:

- Found in 18 of 542 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Austelle_8 (B4),

Start 103:

- Found in 16 of 542 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 6.2% of time when present
- Phage (with cluster) where this start called: BobbyK_8 (B4),

Start 111:

- Found in 3 of 542 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 477
- Called 66.7% of time when present
- Phage (with cluster) where this start called: CRB2_10 (B9), Vincenzo_9 (B4),

Start 114:

- Found in 1 of 542 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07_12 (B13),

Start 118:

- Found in 279 of 542 (51.5%) of genes in pham
- Manual Annotations of this start: 244 of 477
- Called 95.3% of time when present
- Phage (with cluster) where this start called: ABU_7 (B1), AbsoluteMadLad_7 (B1), Adriana_7 (B1), Aelin_7 (B1), AltPhacts_7 (B1), Altwerkus_7 (B1), Anderson_7 (B1), Andre_8 (B1), Antonia_7 (B1), Apizium_7 (B1), Banjo_7 (B1), Basato_8 (B1), BatteryCK_7 (B1), BirdsNest_11 (B13), Bishoperium_7 (B1), BlackStallion_7 (B1), BlueHusk_7 (B1), Bluephacebaby_7 (B1), Boehler_7 (B1), Brilliant_7 (B1), Buckeye_7 (B1), Burr_7 (B1), CamL_7 (B1), CampRoach_7 (B1), Cannibal_7 (B1), Carthage_7 (B1), Chaelin_7 (B1), Chah_7 (B1), Charles1_7 (B1), CharlieGBrown_7 (B1), CheetO_7 (B1), Cher_7 (B1), Childish_7 (B1), Chorkpop_7 (B1), Chunky_7 (B1), Chute_7 (B1), Cobra_7 (B1), Colbert_7 (B1), Coletti_7 (B1), Cornobble_7 (B1), Cosmolli16_7 (B1), Craff_7 (B1), Crownjwl_8 (B1), DaddyDaniels_7 (B1), Daffy_7 (B1), Daka_7 (B1), Dati_7 (B1), DelRivs_7 (B1), Derpp_7 (B1), Dice_8 (B1), Dingo_7 (B1), Dione_7 (B1), DirtJuice_7 (B1), Doddsville_7 (B1), DonSanchon_7 (B1), DuchessDung_7 (B1), Duggie_7 (B1), Durga_7 (B1), Emiris_7 (B1), EmpTee_7 (B1), Eremos_7 (B1), Eugenia_7 (B1), Fang_7 (B1), Fozzie_7 (B1), Frankicide_7 (B1), Freya_7 (B1), FriarPreacher_7 (B1), Fringe_7 (B1), FugateOSU_7 (B1), Gareth_7 (B1), GeneCoco_7 (B1), Giraffe_7 (B1), Gophee_7 (B1), Grand2040_7 (B1),

Gwilliam_8 (B1), Gyarad_007 (B1), HSavage_7 (B1), Haimas_7 (B1), Haleema_7 (B1), Hamish_7 (B1), Hartsy_7 (B1), Harvey_7 (B1), Hashim76_12 (B13), Held_7 (B1), HenryJackson_7 (B1), Hertubise_7 (B1), Hetaeria_7 (B1), HighStump_7 (B1), Hocus_7 (B1), Horchata_7 (B1), Inchworm_7 (B1), Inverness_7 (B1), Iridoclysis_7 (B1), IsaacEli_7 (B1), JDog_7 (B1), JacAttac_7 (B1), JakeO_7 (B1), JangoPhett_7 (B1), Jillium_7 (B1), Jiminy_7 (B1), Jiraiya_7 (B1), KLucky39_7 (B1), Kahve_7 (B1), Kailash_7 (B1), Keitherie_7 (B1), Kikipoo_7 (B1), Kimbrough_7 (B1), KingTut_7 (B1), KingVeVeVe_7 (B1), KlimbOn_7 (B1), Kloppinator_7 (B1), Kwadwo_7 (B1), Kwksand96_7 (B1), Labeouficaum_7 (B1), LasagnaCat_7 (B1), Lasso_7 (B1), LeeLot_7 (B1), Lego3393_7 (B1), Legolas_7 (B1), LeiMonet_7 (B1), LemonSlice_7 (B1), Longacauda_7 (B1), Lopsy_7 (B1), LostAndPhound_7 (B1), LuckyMarjie_7 (B1), Lulumae_7 (B1), Lulwa_7 (B1), Lumine_7 (B1), MRabcd_7 (B1), Mag7_7 (B1), Magic8_7 (B1), Mana_7 (B1), Manad_7 (B1), Maru_7 (B1), Matalotodo_7 (B1), Mcshane_7 (B1), Mecca_7 (B1), Megamind20_8 (B1), Megatron_7 (B1), Melc17_7 (B1), MelsMeow_7 (B1), Mesh1_7 (B1), MichaelPhcott_7 (B1), Mikota_7 (B1), MiniBoss_7 (B1), MitKao_7 (B1), Morgushi_7 (B1), Morty_7 (B1), Mosaic_7 (B1), MrPhizzler_7 (B1), Mulan_7 (B1), Murdoc_7 (B1), Mutante_7 (B1), Nacho_007 (B1), Newman_7 (B1), Nicole21_7 (B1), Numberben_7 (B1), Nyala_7 (B1), OSmaximus_7 (B1), Olak_7 (B1), Oline_7 (B1), Olive_7 (B1), OliverWalter_7 (B1), Omniscient_7 (B1), Oosterbaan_7 (B1), Orfeu_7 (B1), Orion_7 (B1), Orwigg_8 (B1), PG1_7 (B1), Pacifista_8 (B1), Phamished_7 (B1), Phareon_7 (B1), PhatCats2014_7 (B1), PhatLouie_7 (B1), PhenghisKhan_7 (B1), Pherdinand_7 (B1), Phergie_7 (B1), Phipps_7 (B1), Phleuron_7 (B1), PhrankReynolds_7 (B1), PhrodoBaggins_7 (B1), Phunky_7 (B1), Piglet_007 (B1), PinheadLarry_7 (B1), Pinkman_7 (B1), Pipsqueak_7 (B1), Placalicious_7 (B1), Plmatters_7 (B1), Podrick_7 (B1), Pops_7 (B1), Potter_7 (B1), Prickles_7 (B1), ProfessorX_7 (B1), Puhltonio_7 (B1), QueenBeane_7 (B1), Quisquillae_7 (B1), RedMaple_7 (B1), Ricotta_7 (B1), Riggan_7 (B1), Rimu_7 (B1), Robyn_7 (B1), Roliet_7 (B1), Roscoe_8 (B1), Roy17_7 (B1), SDcharge11_7 (B1), Samaymay_7 (B1), SassyCat97_7 (B1), Schadenfreude_7 (B1), Schueller_7 (B1), Scoot17C_7 (B1), Scrick_7 (B1), Selr12_7 (B1), Serendipity_7 (B1), Serpentine_007 (B1), Sheila_7 (B1), ShiVal_7 (B1), Sigman_7 (B1), Simielle_7 (B1), Skippy_7 (B1), Slatt_7 (B1), Soile_7 (B1), Solosis_7 (B1), Sophia_7 (B1), Soto_7 (B1), Spartan300_7 (B1), Squid_7 (B1), Squiggle_7 (B1), Struggle_7 (B1), Suffolk_7 (B1), Surely_7 (B1), Swiphy_7 (B1), TallGrassMM_7 (B1), Telesworld_7 (B1), Thora_7 (B1), ThreeOh3D2_7 (B1), Thunderbird_7 (B1), Timmi_7 (B1), TomBombadil_7 (B1), Tomlarah_7 (B1), Toni_7 (B1), Tooj_7 (B1), True_7 (B1), Trypo_7 (B1), TyrionL_7 (B1), UAch1_7 (B1), UncleHowie_7 (B1), Usavi_7 (B1), Vaishali24_7 (B1), Valjean_7 (B1), Vaticameos_7 (B1), Veritas_7 (B1), Virapocalypse_7 (B1), Virgeve_7 (B1), Vista_7 (B1), Vivaldi_7 (B1), Vortex_7 (B1), Wallhey_7 (B1), Waterdiva_7 (B1), Weher20_7 (B1), Windsor_7 (B1), Xavier_7 (B1), Yoshand_7 (B1), YouGoGlencoco_7 (B1), Zaidler_8 (B1), Zelda_7 (B1), Zonia_7 (B1),

Start 119:

- Found in 5 of 542 (0.9%) of genes in pham
- Manual Annotations of this start: 5 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_6 (AD), Mao1_5 (AD), Mask_6 (AD), PenguinLover67_11 (B9), Sejanus_6 (AD),

Start 120:

- Found in 7 of 542 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 14.3% of time when present

- Phage (with cluster) where this start called: Thonko_6 (B8),

Start 121:

- Found in 45 of 542 (8.3%) of genes in pham
- Manual Annotations of this start: 28 of 477
- Called 75.6% of time when present
- Phage (with cluster) where this start called: 39HC_06 (B6), 40BC_06 (B6), Apex_7 (B4), Argie_5 (W), BrownCNA_9 (B4), Cepens_5 (W), ChrisnMich_7 (B4), D12_05 (W), GodPhather_5 (W), Hangman_8 (B4), Heath_8 (B4), Hosp_04 (B6), Hydro_8 (B4), Indlovu_8 (B11), Jeon_5 (W), Jolie1_06 (B6), KayaCho_6 (B6), Lolalove_8 (B4), Magpie_8 (B4), Megabear_5 (W), Mithril_8 (B4), Mudslide_8 (B4), Nigel_6 (B4), PR_05 (W), Prince_9 (B4), Quesadilla_10 (B9), RawrgerThat_8 (B4), Saguario_10 (B7), StAugustine_14 (singleton), Stinger_6 (B4), Taptic_5 (W), VioletZ_8 (B4), Waleliano_8 (B4), Zemanar_9 (B4),

Start 123:

- Found in 1 of 542 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_13 (B9),

Start 126:

- Found in 18 of 542 (3.3%) of genes in pham
- Manual Annotations of this start: 11 of 477
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Acadian_9 (B5), Bae_9 (B5), DigitDog_9 (B5), Donny_9 (B5), EastView9101_9 (B5), Imvubu_4 (B10), Knocker_13 (B9), LiiMcDreamy_9 (B12), Mysterious_9 (B5), Nangang_9 (B5), Phelemich_9 (B5), Reprobate_9 (B5), Rich_9 (B5), Serendipitous_9 (B5), SirJeffery_9 (B5), StinkyVeggy_10 (B5), Suigeneris_9 (B5),

Start 127:

- Found in 28 of 542 (5.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Bakery_12 (DC1),

Start 128:

- Found in 30 of 542 (5.5%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Ahwei_7 (B4), AlanGrant_9 (B4), Frederick_8 (B4), JaguarMi_9 (B4), Nanao_7 (B4), Poster_7 (B4),

Start 129:

- Found in 31 of 542 (5.7%) of genes in pham
- Manual Annotations of this start: 2 of 477
- Called 6.5% of time when present
- Phage (with cluster) where this start called: Cooper_8 (B4), JAMaL_7 (B4),

Start 132:

- Found in 110 of 542 (20.3%) of genes in pham
- Manual Annotations of this start: 6 of 477

- Called 8.2% of time when present
- Phage (with cluster) where this start called: BruhMoment_17 (AP3), MellowYellow_17 (AP2), Odyssey395_23 (AP2), Pointis_21 (AP2), Pureglobe5_23 (AP2), Rizwana_15 (AP1), RomansRevenge_12 (singleton), Tank_16 (AP1), Wilde_16 (AP1),

Start 133:

- Found in 11 of 542 (2.0%) of genes in pham
- Manual Annotations of this start: 8 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_20 (EG), CandC_19 (EG), Fregley_21 (EG), Kelcole_19 (EG), Marcie_25 (EG), OneinaGillian_20 (EG), Pepe25_19 (EG), RobinRose_21 (EG), Romm_21 (EG), Tempo_20 (EG), Wilca_20 (EG),

Start 135:

- Found in 1 of 542 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phinky_27 (EG),

Start 137:

- Found in 40 of 542 (7.4%) of genes in pham
- Manual Annotations of this start: 31 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_22 (EG), AluminumJesus_18 (EG), BabyDotz_20 (EG), BiggityBass_6 (DR), Blab_18 (EG), Casend_22 (EG), DonaldDuck_21 (EG), Evaa_8 (DR), Fizzles_21 (EG), Fransoyer_22 (EG), Gazebo_20 (EG), Grassboy_22 (EG), Hyperion_19 (EG), Jehoshaphat_23 (EG), Judebell_23 (EG), Kyva_23 (EG), Llemily_21 (EG), Lonelysoil_20 (EG), Mashley_18 (EG), Namago_21 (EG), Nike_21 (EG), Phabia_21 (EG), Quammi_19 (EG), Rowlf_17 (EG), RubyRalph_22 (EG), Rudy_19 (EG), SadLad_23 (EG), SallyK_22 (EG), Sillytadpoles_21 (EG), Squash_23 (EG), Statler_22 (EG), StrawberryJamm_23 (EG), TPA2_16 (singleton), Teehee_22 (EG), Tissue_20 (EG), Viceroy_20 (EG), Wayne3_22 (EG), Wheelie_20 (EG), Zagie_21 (EG), Zhafia_24 (EG),

Start 138:

- Found in 95 of 542 (17.5%) of genes in pham
- Manual Annotations of this start: 45 of 477
- Called 50.5% of time when present
- Phage (with cluster) where this start called: Abinghost_10 (B3), Akoma_10 (B3), Athena_11 (B3), Audrey_10 (B3), Baloo_10 (B3), Ben11_9 (B3), Bernardo_10 (B3), Briakila_10 (B3), Casbah_9 (B3), ChaChing_10 (B3), Chandler_10 (B3), Compostia_10 (B3), Corofin_10 (B3), Daisy_10 (B3), Deenasa_10 (B3), Devonte_10 (B3), Gadget_11 (B3), Gervas_10 (B3), GlenHope_11 (B3), Halfpint_9 (B3), HarveySr_10 (B3), Heathcliff_10 (B3), Jackstina_9 (B3), Kamiyu_10 (B3), Kronus_9 (B3), LestyG_10 (B3), Marley1013_10 (B3), MmasiCarm_10 (B3), Mortcellus_9 (B3), Morty007_10 (B3), NHagos_7 (DR), Neos5_10 (B3), Nozo_10 (B3), Obutu_10 (B3), OrangeOswald_10 (B3), Phaedrus_9 (B3), Phayeta_10 (B3), Philly_9 (B3), Phlyer_10 (B3), Pipefish_10 (B3), RagingRooster_10 (B3), Rita1961_10 (B3), RomaT_10 (B3), SlippinJimmy_10 (B3), SynergyX_10 (B3), Tydolla_10 (B3), Yahalom_10 (B3), Yinz_10 (B3),

Start 139:

- Found in 10 of 542 (1.8%) of genes in pham
- Manual Annotations of this start: 2 of 477
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Beagle_22 (AP2), SilentRX_17 (AP4),

Start 140:

- Found in 12 of 542 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 16.7% of time when present
- Phage (with cluster) where this start called: CharlottesWeb_7 (DR), Yago84_6 (DR),

Start 141:

- Found in 14 of 542 (2.6%) of genes in pham
- Manual Annotations of this start: 5 of 477
- Called 42.9% of time when present
- Phage (with cluster) where this start called: AnarQue_9 (DR), CaiB_9 (DR), CloverMinnie_9 (DR), MakoManhole_9 (DR), MossRose_9 (DR), Wooper_9 (DR),

Start 145:

- Found in 34 of 542 (6.3%) of genes in pham
- Manual Annotations of this start: 32 of 477
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Allegro_11 (B2), Arbiter_11 (B2), Ares_11 (B2), Bananafish_11 (B2), Blocker23_11 (B2), Boyle_11 (B2), Brownie5_11 (B2), Calamitous_11 (B2), Coffee_11 (B2), Eaglehorse_11 (B2), Faze9_11 (B2), FrenchFry_11 (B2), Glass_11 (B2), Godines_11 (B2), Hedgerow_11 (B2), Holeinone_11 (B2), ItsyBitsy1_11 (B2), Kaleb_11 (B2), Kheth_11 (B2), Lars_11 (B2), Laurie_11 (B2), Lephleur_11 (B2), LizLemon_11 (B2), MasterPo_11 (B2), Opia_11 (B2), Phantasmagoria_11 (B2), Qyrzula_11 (B2), Rhinoforte_11 (B2), Rosebush_11 (B2), Sabella_11 (B2), TA17A_11 (B2), Tinciduntolum_12 (B2), Tres_11 (B2), West99_11 (B2),

Start 146:

- Found in 23 of 542 (4.2%) of genes in pham
- Manual Annotations of this start: 11 of 477
- Called 56.5% of time when present
- Phage (with cluster) where this start called: AnClar_6 (DR), Axumite_7 (DR), Clawz_40 (CP), DonTron_40 (CP), Fresco_7 (DR), Ligma_7 (DR), LittleMunchkin_8 (DR), Mariokart_7 (DR), Shatter_7 (DR), Sisko_6 (DR), Soos_36 (CP), Sour_10 (DR), Sting_39 (CP),

Start 148:

- Found in 2 of 542 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 477
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AWGoat_16 (AP4),

Start 150:

- Found in 28 of 542 (5.2%) of genes in pham
- Manual Annotations of this start: 25 of 477
- Called 96.4% of time when present

- Phage (with cluster) where this start called: Arri_12 (DC1), Barb_11 (DC1), ClamChowder_11 (DC1), Clown_15 (DC2), Danyall_11 (DC1), Evamon_11 (DC1), Fireball_12 (DC1), Fugax_11 (DC1), Gezellig_11 (DC1), Jambalaya_11 (DC1), KimmyK_11 (DC1), Mutzi_11 (DC1), Phlop_11 (DC1), PinkCoffee_11 (DC1), Portcullis_11 (DC1), PullumCavea_11 (DC1), RogerDodger_12 (DC1), Salvador_11 (DC1), Savbucketdawg_11 (DC1), Shinji_11 (DC1), SmokingBunny_11 (DC1), TillyBobJoe_11 (DC1), Togo_11 (DC1), Twister6_11 (DC1), Valary_12 (DC1), VanDeWege_12 (DC1), Wizard_11 (DC1),

Summary by clusters:

There are 25 clusters represented in this pham: singleton, AP2, AP3, AP1, AP4, B12, B13, B10, B11, DR, AD, EG, W, CP, DC2, DC1, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 119 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster AP1:

- Start number 132 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 132 was manually annotated 2 times for cluster AP2.

- Start number 139 was manually annotated 1 time for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 132 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 139 was manually annotated 1 time for cluster AP4.

- Start number 148 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster B1:

- Start number 65 was manually annotated 3 times for cluster B1.

- Start number 90 was manually annotated 7 times for cluster B1.

- Start number 118 was manually annotated 243 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 126 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 121 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 126 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 114 was manually annotated 1 time for cluster B13.

- Start number 118 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 145 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 138 was manually annotated 44 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 101 was manually annotated 1 time for cluster B4.
- Start number 103 was manually annotated 1 time for cluster B4.
- Start number 111 was manually annotated 1 time for cluster B4.
- Start number 121 was manually annotated 16 times for cluster B4.
- Start number 128 was manually annotated 1 time for cluster B4.
- Start number 129 was manually annotated 2 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 126 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 121 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 121 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 120 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 111 was manually annotated 1 time for cluster B9.
- Start number 119 was manually annotated 1 time for cluster B9.
- Start number 121 was manually annotated 1 time for cluster B9.
- Start number 123 was manually annotated 1 time for cluster B9.
- Start number 126 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CP:

- Start number 146 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 127 was manually annotated 1 time for cluster DC1.
- Start number 150 was manually annotated 24 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 150 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DR:

- Start number 137 was manually annotated 2 times for cluster DR.
- Start number 138 was manually annotated 1 time for cluster DR.
- Start number 140 was manually annotated 1 time for cluster DR.
- Start number 141 was manually annotated 5 times for cluster DR.
- Start number 146 was manually annotated 9 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 133 was manually annotated 8 times for cluster EG.
- Start number 135 was manually annotated 1 time for cluster EG.
- Start number 137 was manually annotated 29 times for cluster EG.

Info for manual annotations of cluster W:

- Start number 121 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_06 Start: 4766, Stop: 5182, Start Num: 121

Candidate Starts for 39HC_06:

(116, 4751), (Start: 121 @4766 has 28 MA's), (Start: 138 @4817 has 45 MA's), (143, 4826), (192, 4982), (199, 5018), (200, 5024), (224, 5102), (228, 5120), (229, 5123),

Gene: 40BC_06 Start: 4766, Stop: 5182, Start Num: 121

Candidate Starts for 40BC_06:

(116, 4751), (Start: 121 @4766 has 28 MA's), (Start: 138 @4817 has 45 MA's), (143, 4826), (192, 4982), (199, 5018), (200, 5024), (224, 5102), (228, 5120), (229, 5123),

Gene: ABU_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for ABU_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: AWGoat_16 Start: 8424, Stop: 8723, Start Num: 148

Candidate Starts for AWGoat_16:

(9, 7521), (14, 7770), (42, 7998), (Start: 132 @8409 has 6 MA's), (Start: 139 @8412 has 2 MA's), (Start: 148 @8424 has 1 MA's), (153, 8430), (198, 8583), (223, 8667), (228, 8691),

Gene: Abinghost_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for Abinghost_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: AbsoluteMadLad_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for AbsoluteMadLad_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (158, 4072), (196, 4198), (199, 4222), (204, 4249), (206, 4255), (208, 4261),

Gene: Acadian_9 Start: 6265, Stop: 6666, Start Num: 126

Candidate Starts for Acadian_9:

(Start: 126 @6265 has 11 MA's), (Start: 132 @6292 has 6 MA's), (Start: 138 @6304 has 45 MA's), (152, 6340), (167, 6388), (185, 6439), (193, 6472), (196, 6481), (199, 6505), (232, 6637), (233, 6643),

Gene: Adriana_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Adriana_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Aelin_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Aelin_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Ahwei_7 Start: 5221, Stop: 5616, Start Num: 128

Candidate Starts for Ahwei_7:

(Start: 121 @5203 has 28 MA's), (Start: 128 @5221 has 1 MA's), (Start: 129 @5227 has 2 MA's), (Start: 138 @5254 has 45 MA's), (169, 5344), (189, 5401), (190, 5404), (193, 5422), (196, 5431), (199, 5455), (204, 5482), (213, 5509), (224, 5539), (232, 5587),

Gene: Akoma_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for Akoma_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: AlanGrant_9 Start: 7025, Stop: 7429, Start Num: 128

Candidate Starts for AlanGrant_9:

(Start: 111 @6977 has 2 MA's), (Start: 121 @7007 has 28 MA's), (Start: 128 @7025 has 1 MA's), (172, 7160), (175, 7175), (199, 7259), (200, 7265), (206, 7292), (209, 7298), (217, 7316),

Gene: Allegro_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Allegro_11:

(96, 7225), (100, 7234), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (187, 7477), (188, 7480), (191, 7495), (192, 7498), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: AltPhacts_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for AltPhacts_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Altheas_22 Start: 8371, Stop: 8715, Start Num: 137

Candidate Starts for Altheas_22:

(71, 8140), (Start: 137 @8371 has 31 MA's), (142, 8380), (159, 8428), (210, 8614), (228, 8680), (230, 8689),

Gene: Altwerkus_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Altwerkus_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: AluminumJesus_18 Start: 7735, Stop: 8079, Start Num: 137

Candidate Starts for AluminumJesus_18:

(40, 7315), (71, 7504), (Start: 137 @7735 has 31 MA's), (142, 7744), (159, 7792), (210, 7978), (228, 8044), (230, 8053),

Gene: AnClar_6 Start: 5256, Stop: 5579, Start Num: 146

Candidate Starts for AnClar_6:

(Start: 140 @5244 has 1 MA's), (Start: 146 @5256 has 11 MA's), (157, 5274), (159, 5283), (162, 5295), (164, 5301), (198, 5412), (201, 5430), (206, 5451), (232, 5550),

Gene: AnarQue_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for AnarQue_9:

(99, 6293), (106, 6311), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (232, 6725), (234, 6740),

Gene: Anderson_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Anderson_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Andre_8 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Andre_8:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Antonia_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Antonia_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Apex_7 Start: 5846, Stop: 6265, Start Num: 121

Candidate Starts for Apex_7:

(15, 5255), (21, 5312), (22, 5315), (23, 5318), (24, 5345), (26, 5351), (28, 5372), (30, 5381), (33, 5393), (35, 5417), (36, 5426), (37, 5438), (41, 5462), (43, 5507), (45, 5537), (54, 5588), (60, 5621), (62, 5627), (64, 5636), (72, 5657), (Start: 90 @5750 has 7 MA's), (94, 5765), (98, 5780), (Start: 101 @5786 has 1 MA's), (Start: 103 @5789 has 1 MA's), (Start: 121 @5846 has 28 MA's), (Start: 128 @5864 has 1 MA's), (Start: 129 @5870 has 2 MA's), (130, 5876), (Start: 138 @5897 has 45 MA's), (152, 5933), (169, 5987), (199, 6098), (200, 6104), (204, 6125), (213, 6152), (221, 6170), (227, 6194), (228, 6200),

Gene: Apizium_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Apizium_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Arbiter_11 Start: 7453, Stop: 7791, Start Num: 145

Candidate Starts for Arbiter_11:

(96, 7315), (100, 7324), (115, 7372), (Start: 145 @7453 has 32 MA's), (152, 7468), (164, 7507), (171, 7534), (179, 7552), (185, 7561), (187, 7567), (188, 7570), (191, 7585), (193, 7591), (221, 7696), (224, 7708), (233, 7762),

Gene: Ares_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Ares_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Argie_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for Argie_5:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (204, 3149), (208, 3161), (219, 3185), (232, 3251),

Gene: Arri_12 Start: 5316, Stop: 5630, Start Num: 150

Candidate Starts for Arri_12:

(Start: 127 @5253 has 1 MA's), (Start: 150 @5316 has 25 MA's), (198, 5472), (199, 5478),

Gene: Ashraf_7 Start: 3764, Stop: 4408, Start Num: 65

Candidate Starts for Ashraf_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Athena_11 Start: 6712, Stop: 7047, Start Num: 138

Candidate Starts for Athena_11:

(Start: 138 @6712 has 45 MA's), (159, 6754), (162, 6766), (167, 6781), (171, 6799), (193, 6856), (206, 6922), (225, 6979), (228, 6991), (233, 7027),

Gene: Audrey_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for Audrey_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: Austelle_8 Start: 6242, Stop: 6721, Start Num: 101

Candidate Starts for Austelle_8:

(15, 5732), (18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (34, 5879), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (60, 6095), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (87, 6191), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Axumite_7 Start: 4953, Stop: 5276, Start Num: 146

Candidate Starts for Axumite_7:

(102, 4833), (Start: 140 @4941 has 1 MA's), (Start: 146 @4953 has 11 MA's), (151, 4959), (154, 4965), (155, 4968), (157, 4971), (162, 4992), (164, 4998), (171, 5025), (185, 5052), (187, 5058), (206, 5148), (232, 5247),

Gene: BabyDotz_20 Start: 8186, Stop: 8524, Start Num: 137

Candidate Starts for BabyDotz_20:

(71, 7955), (Start: 137 @8186 has 31 MA's), (142, 8195), (157, 8234), (159, 8243), (228, 8495), (230, 8504),

Gene: Badfish_7 Start: 3878, Stop: 4411, Start Num: 90

Candidate Starts for Badfish_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Bae_9 Start: 6271, Stop: 6672, Start Num: 126

Candidate Starts for Bae_9:

(Start: 126 @6271 has 11 MA's), (Start: 132 @6298 has 6 MA's), (152, 6346), (167, 6394), (185, 6445), (193, 6478), (196, 6487), (199, 6511), (207, 6547), (233, 6649),

Gene: Bakery_12 Start: 4954, Stop: 5331, Start Num: 127

Candidate Starts for Bakery_12:

(75, 4762), (76, 4768), (89, 4834), (Start: 127 @4954 has 1 MA's), (Start: 150 @5017 has 25 MA's), (198, 5173), (199, 5179),

Gene: Baloo_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for Baloo_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: Bananafish_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Bananafish_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Banjo_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Banjo_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Barb_11 Start: 5272, Stop: 5586, Start Num: 150

Candidate Starts for Barb_11:

(Start: 127 @5209 has 1 MA's), (Start: 150 @5272 has 25 MA's), (198, 5428), (199, 5434),

Gene: Basato_8 Start: 4199, Stop: 4645, Start Num: 118

Candidate Starts for Basato_8:

(Start: 90 @4112 has 7 MA's), (94, 4127), (Start: 118 @4199 has 244 MA's), (158, 4310), (196, 4436), (199, 4460), (204, 4487), (206, 4493), (208, 4499), (228, 4574),

Gene: BatteryCK_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for BatteryCK_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Beagle_22 Start: 8934, Stop: 9242, Start Num: 139

Candidate Starts for Beagle_22:

(Start: 132 @8931 has 6 MA's), (Start: 139 @8934 has 2 MA's), (157, 8964), (198, 9105), (222, 9186), (228, 9213),

Gene: Beaglebox_7 Start: 3878, Stop: 4411, Start Num: 90

Candidate Starts for Beaglebox_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Ben11_9 Start: 5797, Stop: 6132, Start Num: 138

Candidate Starts for Ben11_9:

(Start: 138 @5797 has 45 MA's), (159, 5839), (162, 5851), (167, 5866), (171, 5884), (193, 5941), (206, 6007), (212, 6028), (225, 6064), (228, 6076), (233, 6112),

Gene: Bernardo_10 Start: 5977, Stop: 6312, Start Num: 138

Candidate Starts for Bernardo_10:

(Start: 138 @5977 has 45 MA's), (159, 6019), (162, 6031), (167, 6046), (171, 6064), (193, 6121), (206, 6187), (212, 6208), (225, 6244), (228, 6256), (233, 6292),

Gene: BiggityBass_6 Start: 4749, Stop: 5090, Start Num: 137

Candidate Starts for BiggityBass_6:

(Start: 137 @4749 has 31 MA's), (Start: 140 @4755 has 1 MA's), (157, 4785), (159, 4794), (161, 4803), (162, 4806), (164, 4812), (206, 4962), (232, 5061),

Gene: BirdInFrench_20 Start: 7061, Stop: 7405, Start Num: 133

Candidate Starts for BirdInFrench_20:

(93, 6932), (Start: 133 @7061 has 8 MA's), (159, 7118), (168, 7148), (194, 7226), (228, 7370), (230, 7379),

Gene: BirdsNest_11 Start: 4695, Stop: 5120, Start Num: 118

Candidate Starts for BirdsNest_11:

(67, 4506), (70, 4515), (92, 4617), (Start: 118 @4695 has 244 MA's), (Start: 132 @4740 has 6 MA's), (162, 4821), (184, 4884), (204, 4980), (219, 5016), (221, 5025), (228, 5055),

Gene: Bishoperium_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Bishoperium_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Blab_18 Start: 7511, Stop: 7855, Start Num: 137

Candidate Starts for Blab_18:

(Start: 137 @7511 has 31 MA's), (142, 7520), (159, 7568), (210, 7754), (228, 7820), (230, 7829),

Gene: BlackStallion_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for BlackStallion_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Blocker23_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Blocker23_11:

(96, 7342), (100, 7351), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: BlueHusk_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for BlueHusk_7:

(88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: Bluephacebaby_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Bluephacebaby_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: BobbyK_8 Start: 6242, Stop: 6718, Start Num: 103

Candidate Starts for BobbyK_8:

(18, 5771), (21, 5786), (22, 5789), (24, 5819), (28, 5846), (30, 5855), (31, 5861), (33, 5867), (35, 5891), (43, 5981), (44, 6005), (46, 6017), (59, 6083), (62, 6098), (72, 6128), (73, 6134), (75, 6143), (81, 6161), (Start: 90 @6203 has 7 MA's), (94, 6218), (98, 6233), (Start: 101 @6239 has 1 MA's), (Start: 103 @6242 has 1 MA's), (Start: 121 @6299 has 28 MA's), (Start: 128 @6317 has 1 MA's), (Start: 129 @6323 has 2 MA's), (130, 6329), (Start: 138 @6350 has 45 MA's), (152, 6386), (169, 6440), (199, 6551), (200, 6557), (204, 6578), (213, 6605), (221, 6623), (227, 6647), (228, 6653),

Gene: Boehler_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Boehler_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Boyle_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Boyle_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Briakila_10 Start: 6738, Stop: 7073, Start Num: 138

Candidate Starts for Briakila_10:

(Start: 138 @6738 has 45 MA's), (159, 6780), (162, 6792), (167, 6807), (171, 6825), (193, 6882), (206, 6948), (212, 6969), (225, 7005), (228, 7017), (233, 7053),

Gene: Brilliant_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Brilliant_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: BrownCNA_9 Start: 6553, Stop: 6972, Start Num: 121

Candidate Starts for BrownCNA_9:

(95, 6481), (Start: 121 @6553 has 28 MA's), (Start: 128 @6571 has 1 MA's), (Start: 129 @6577 has 2 MA's), (130, 6583), (Start: 138 @6604 has 45 MA's), (152, 6640), (169, 6694), (199, 6805), (200, 6811), (213, 6859), (221, 6877), (227, 6901), (228, 6907),

Gene: Brownie5_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Brownie5_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: BruhMoment_17 Start: 8281, Stop: 8610, Start Num: 132

Candidate Starts for BruhMoment_17:

(124, 8251), (Start: 132 @8281 has 6 MA's), (176, 8398), (180, 8407), (228, 8584),

Gene: Buckeye_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for Buckeye_7:

(86, 3853), (92, 3889), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267),

Gene: Burr_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Burr_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: CRB2_10 Start: 6980, Stop: 7420, Start Num: 111

Candidate Starts for CRB2_10:

(Start: 111 @6980 has 2 MA's), (Start: 128 @7025 has 1 MA's), (Start: 138 @7058 has 45 MA's), (192, 7223), (198, 7253), (199, 7259), (200, 7265), (213, 7313), (227, 7355),

Gene: CaiB_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for CaiB_9:

(99, 6293), (106, 6311), (110, 6326), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (232, 6725), (234, 6740),

Gene: Calamitous_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Calamitous_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (187, 7477), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: CamL_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for CamL_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: CampRoach_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for CampRoach_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262),

Gene: CandC_19 Start: 6747, Stop: 7091, Start Num: 133

Candidate Starts for CandC_19:

(19, 6162), (40, 6306), (93, 6618), (Start: 133 @6747 has 8 MA's), (149, 6777), (153, 6783), (159, 6804), (168, 6834), (194, 6912), (210, 6990), (228, 7056), (230, 7065),

Gene: Cannibal_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Cannibal_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Carthage_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Carthage_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Casbah_9 Start: 5798, Stop: 6133, Start Num: 138

Candidate Starts for Casbah_9:

(Start: 138 @5798 has 45 MA's), (159, 5840), (162, 5852), (167, 5867), (171, 5885), (193, 5942), (206, 6008), (212, 6029), (225, 6065), (228, 6077), (233, 6113),

Gene: Casend_22 Start: 8510, Stop: 8848, Start Num: 137

Candidate Starts for Casend_22:

(10, 7655), (16, 7904), (19, 7949), (71, 8279), (Start: 137 @8510 has 31 MA's), (142, 8519), (159, 8567), (228, 8819), (230, 8828),

Gene: Cepens_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for Cepens_5:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (208, 3161), (219, 3185), (220, 3191), (232, 3251),

Gene: ChaChing_10 Start: 5964, Stop: 6299, Start Num: 138

Candidate Starts for ChaChing_10:

(Start: 138 @5964 has 45 MA's), (159, 6006), (162, 6018), (167, 6033), (171, 6051), (193, 6108), (206, 6174), (212, 6195), (225, 6231), (228, 6243), (233, 6279),

Gene: Chaelin_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Chaelin_7:

(61, 3750), (Start: 65 @3765 has 3 MA's), (69, 3780), (73, 3789), (78, 3810), (88, 3870), (Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (Start: 132 @4011 has 6 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: Chah_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Chah_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Chandler_10 Start: 6712, Stop: 7047, Start Num: 138

Candidate Starts for Chandler_10:

(Start: 138 @6712 has 45 MA's), (159, 6754), (162, 6766), (167, 6781), (171, 6799), (193, 6856), (206, 6922), (212, 6943), (225, 6979), (228, 6991), (233, 7027),

Gene: Charles1_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Charles1_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: CharlieGBrown_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for CharlieGBrown_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: CharlottesWeb_7 Start: 4948, Stop: 5283, Start Num: 140

Candidate Starts for CharlottesWeb_7:

(Start: 140 @4948 has 1 MA's), (Start: 146 @4960 has 11 MA's), (151, 4966), (154, 4972), (157, 4978), (159, 4987), (161, 4996), (162, 4999), (164, 5005), (183, 5056), (187, 5065), (202, 5137), (232, 5254),

Gene: CheetO_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for CheetO_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Cher_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Cher_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Childish_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Childish_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Chorkpop_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Chorkpop_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: ChrisnMich_7 Start: 5203, Stop: 5616, Start Num: 121

Candidate Starts for ChrisnMich_7:

(Start: 121 @5203 has 28 MA's), (Start: 128 @5221 has 1 MA's), (Start: 129 @5227 has 2 MA's), (Start: 138 @5254 has 45 MA's), (169, 5344), (189, 5401), (190, 5404), (193, 5422), (196, 5431), (199, 5455), (200, 5461), (204, 5482), (213, 5509), (224, 5539), (232, 5587),

Gene: Chunky_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Chunky_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Chute_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Chute_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: ClamChowder_11 Start: 5272, Stop: 5586, Start Num: 150

Candidate Starts for ClamChowder_11:

(Start: 127 @5209 has 1 MA's), (Start: 150 @5272 has 25 MA's), (198, 5428), (199, 5434),

Gene: Clawz_40 Start: 17751, Stop: 18077, Start Num: 146

Candidate Starts for Clawz_40:

(130, 17715), (131, 17718), (Start: 146 @17751 has 11 MA's), (161, 17799), (196, 17910), (200, 17940), (223, 18030), (224, 18036),

Gene: CloverMinnie_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for CloverMinnie_9:

(99, 6293), (106, 6311), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (232, 6725), (234, 6740),

Gene: Clown_15 Start: 8549, Stop: 8863, Start Num: 150

Candidate Starts for Clown_15:

(147, 8540), (Start: 150 @8549 has 25 MA's), (164, 8594), (198, 8705),

Gene: Cobra_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Cobra_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Coffee_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Coffee_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Colbert_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Colbert_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Coletti_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Coletti_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Compostia_10 Start: 5957, Stop: 6292, Start Num: 138

Candidate Starts for Compostia_10:

(Start: 138 @5957 has 45 MA's), (159, 5999), (162, 6011), (167, 6026), (171, 6044), (193, 6101), (206, 6167), (212, 6188), (225, 6224), (228, 6236), (233, 6272),

Gene: Cooper_8 Start: 5288, Stop: 5677, Start Num: 129

Candidate Starts for Cooper_8:

(108, 5225), (Start: 121 @5264 has 28 MA's), (Start: 128 @5282 has 1 MA's), (Start: 129 @5288 has 2 MA's), (Start: 138 @5315 has 45 MA's), (144, 5330), (170, 5408), (183, 5447), (193, 5483), (199, 5516), (204, 5543), (213, 5570), (224, 5600),

Gene: Cornobble_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Cornobble_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Corofin_10 Start: 5974, Stop: 6309, Start Num: 138

Candidate Starts for Corofin_10:

(Start: 138 @5974 has 45 MA's), (159, 6016), (162, 6028), (167, 6043), (171, 6061), (193, 6118), (206, 6184), (212, 6205), (225, 6241), (228, 6253), (233, 6289),

Gene: Cosmolli16_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Cosmolli16_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Craff_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Craff_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Crownjwl_8 Start: 4200, Stop: 4646, Start Num: 118

Candidate Starts for Crownjwl_8:

(61, 3987), (Start: 65 @4002 has 3 MA's), (69, 4017), (73, 4026), (78, 4047), (88, 4107), (Start: 90 @4113 has 7 MA's), (Start: 118 @4200 has 244 MA's), (Start: 132 @4248 has 6 MA's), (158, 4311), (196, 4437), (199, 4461), (204, 4488), (205, 4491), (206, 4494), (208, 4500), (228, 4575),

Gene: D12_05 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for D12_05:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (208, 3161), (219, 3185), (220, 3191), (232, 3251),

Gene: DaddyDaniels_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for DaddyDaniels_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Daffy_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Daffy_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Daisy_10 Start: 5952, Stop: 6287, Start Num: 138

Candidate Starts for Daisy_10:

(Start: 138 @5952 has 45 MA's), (159, 5994), (162, 6006), (167, 6021), (171, 6039), (193, 6096), (206, 6162), (212, 6183), (225, 6219), (228, 6231), (233, 6267),

Gene: Daka_7 Start: 3968, Stop: 4414, Start Num: 118

Candidate Starts for Daka_7:

(Start: 90 @3881 has 7 MA's), (Start: 118 @3968 has 244 MA's), (158, 4079), (196, 4205), (199, 4229), (204, 4256), (206, 4262), (208, 4268),

Gene: Danyall_11 Start: 5144, Stop: 5458, Start Num: 150

Candidate Starts for Danyall_11:

(Start: 127 @5081 has 1 MA's), (Start: 150 @5144 has 25 MA's), (198, 5300), (199, 5306),

Gene: Dati_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Dati_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Deenasa_10 Start: 6712, Stop: 7047, Start Num: 138

Candidate Starts for Deenasa_10:

(Start: 138 @6712 has 45 MA's), (159, 6754), (162, 6766), (167, 6781), (171, 6799), (193, 6856), (206, 6922), (212, 6943), (225, 6979), (228, 6991), (233, 7027),

Gene: DelRivs_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for DelRivs_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264), (228, 4339),

Gene: Derpp_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Derpp_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Devonte_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for Devonte_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: Dice_8 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Dice_8:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264), (228, 4339),

Gene: DigitDog_9 Start: 6253, Stop: 6675, Start Num: 126

Candidate Starts for DigitDog_9:

(Start: 126 @6253 has 11 MA's), (Start: 132 @6280 has 6 MA's), (Start: 141 @6298 has 5 MA's), (167, 6376), (183, 6424), (193, 6460), (196, 6469), (199, 6493), (206, 6526), (215, 6565), (217, 6571), (233, 6652),

Gene: Dingo_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Dingo_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: Dione_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Dione_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: DirtJuice_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for DirtJuice_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Doddsville_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Doddsville_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: DoesntMatter_7 Start: 3875, Stop: 4408, Start Num: 90

Candidate Starts for DoesntMatter_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: DonSanchon_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for DonSanchon_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: DonTron_40 Start: 17923, Stop: 18249, Start Num: 146

Candidate Starts for DonTron_40:

(Start: 146 @17923 has 11 MA's), (156, 17950), (161, 17971), (196, 18082), (205, 18136), (224, 18208), (226, 18217),

Gene: DonaldDuck_21 Start: 7856, Stop: 8194, Start Num: 137

Candidate Starts for DonaldDuck_21:

(10, 7001), (16, 7250), (19, 7295), (71, 7625), (Start: 137 @7856 has 31 MA's), (142, 7865), (159, 7913), (228, 8165), (230, 8174),

Gene: Donny_9 Start: 6267, Stop: 6668, Start Num: 126

Candidate Starts for Donny_9:

(Start: 126 @6267 has 11 MA's), (Start: 132 @6294 has 6 MA's), (Start: 138 @6306 has 45 MA's), (152, 6342), (167, 6390), (185, 6441), (193, 6474), (196, 6483), (199, 6507), (232, 6639), (233, 6645),

Gene: Dori_6 Start: 3274, Stop: 3681, Start Num: 119

Candidate Starts for Dori_6:

(81, 3136), (83, 3145), (Start: 119 @3274 has 5 MA's), (Start: 132 @3319 has 6 MA's), (Start: 141 @3337 has 5 MA's), (144, 3346), (151, 3364), (152, 3367), (159, 3388), (166, 3412), (182, 3463), (192, 3496), (196, 3508), (203, 3556), (206, 3565), (208, 3571), (231, 3646),

Gene: DuchessDung_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for DuchessDung_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Duggie_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Duggie_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Durga_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for Durga_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (Start: 132 @4009 has 6 MA's), (196, 4198), (199, 4222), (204, 4249), (205, 4252), (206, 4255), (208, 4261), (228, 4336),

Gene: Eaglehorse_11 Start: 7381, Stop: 7719, Start Num: 145

Candidate Starts for Eaglehorse_11:

(96, 7243), (100, 7252), (112, 7294), (115, 7300), (Start: 145 @7381 has 32 MA's), (152, 7396), (164, 7435), (171, 7462), (179, 7480), (185, 7489), (188, 7498), (191, 7513), (193, 7519), (221, 7624), (224, 7636), (233, 7690),

Gene: EastView9101_9 Start: 6267, Stop: 6668, Start Num: 126

Candidate Starts for EastView9101_9:

(Start: 126 @6267 has 11 MA's), (Start: 132 @6294 has 6 MA's), (Start: 138 @6306 has 45 MA's), (152, 6342), (167, 6390), (185, 6441), (193, 6474), (196, 6483), (199, 6507), (232, 6639), (233, 6645),

Gene: Emiris_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Emiris_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: EmpTee_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for EmpTee_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Eremos_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Eremos_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Etaye_7 Start: 3875, Stop: 4408, Start Num: 90

Candidate Starts for Etaye_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Eugenia_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Eugenia_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Evaa_8 Start: 6248, Stop: 6592, Start Num: 137

Candidate Starts for Evaa_8:

(Start: 137 @6248 has 31 MA's), (157, 6284), (159, 6293), (162, 6305), (164, 6311), (171, 6338), (179, 6356), (185, 6365), (192, 6392), (193, 6395), (198, 6422), (200, 6434), (204, 6455), (206, 6461), (227, 6524), (232, 6560),

Gene: Evamon_11 Start: 5125, Stop: 5439, Start Num: 150

Candidate Starts for Evamon_11:

(Start: 127 @5062 has 1 MA's), (Start: 150 @5125 has 25 MA's), (198, 5281), (199, 5287),

Gene: Fang_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Fang_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Faze9_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Faze9_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Fireball_12 Start: 5251, Stop: 5565, Start Num: 150

Candidate Starts for Fireball_12:

(Start: 127 @5188 has 1 MA's), (Start: 150 @5251 has 25 MA's), (198, 5407), (199, 5413),

Gene: Fizzles_21 Start: 7811, Stop: 8155, Start Num: 137

Candidate Starts for Fizzles_21:

(Start: 137 @7811 has 31 MA's), (159, 7868), (210, 8054), (228, 8120), (230, 8129),

Gene: FluffyNinja_7 Start: 3876, Stop: 4409, Start Num: 90

Candidate Starts for FluffyNinja_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Fozzie_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Fozzie_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: Frankicide_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for Frankicide_7:

(Start: 90 @3880 has 7 MA's), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267),

Gene: Fransoyer_22 Start: 8000, Stop: 8341, Start Num: 137

Candidate Starts for Fransoyer_22:

(3, 6860), (4, 6881), (10, 7121), (16, 7370), (17, 7382), (93, 7868), (Start: 137 @8000 has 31 MA's), (159, 8057), (186, 8129), (210, 8243), (228, 8309), (229, 8312), (230, 8318),

Gene: Frederick_8 Start: 6320, Stop: 6721, Start Num: 128

Candidate Starts for Frederick_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (81, 6164), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Fregley_21 Start: 7285, Stop: 7629, Start Num: 133

Candidate Starts for Fregley_21:

(40, 6844), (93, 7156), (Start: 133 @7285 has 8 MA's), (149, 7315), (153, 7321), (159, 7342), (168, 7372), (194, 7450), (210, 7528), (228, 7594), (230, 7603),

Gene: FrenchFry_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for FrenchFry_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Fresco_7 Start: 4953, Stop: 5276, Start Num: 146

Candidate Starts for Fresco_7:

(102, 4833), (Start: 140 @4941 has 1 MA's), (Start: 146 @4953 has 11 MA's), (151, 4959), (154, 4965), (155, 4968), (157, 4971), (162, 4992), (164, 4998), (171, 5025), (185, 5052), (187, 5058), (206, 5148), (232, 5247),

Gene: Freya_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Freya_7:

(61, 3753), (Start: 65 @3768 has 3 MA's), (69, 3783), (73, 3792), (78, 3813), (88, 3873), (Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (Start: 132 @4014 has 6 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: FriarPreacher_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for FriarPreacher_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Fringe_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Fringe_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: FugateOSU_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for FugateOSU_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Fugax_11 Start: 5272, Stop: 5586, Start Num: 150

Candidate Starts for Fugax_11:

(Start: 127 @5209 has 1 MA's), (Start: 150 @5272 has 25 MA's), (198, 5428), (199, 5434),

Gene: Funsized_13 Start: 8281, Stop: 8709, Start Num: 123

Candidate Starts for Funsized_13:

(Start: 123 @8281 has 1 MA's), (Start: 126 @8287 has 11 MA's), (131, 8308), (196, 8506), (199, 8530), (206, 8563), (207, 8566), (216, 8605), (217, 8608), (228, 8653),

Gene: Gadget_11 Start: 5953, Stop: 6288, Start Num: 138

Candidate Starts for Gadget_11:

(Start: 138 @5953 has 45 MA's), (159, 5995), (162, 6007), (167, 6022), (171, 6040), (193, 6097), (206, 6163), (212, 6184), (225, 6220), (228, 6232), (233, 6268),

Gene: Gareth_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Gareth_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Gazebo_20 Start: 8077, Stop: 8421, Start Num: 137

Candidate Starts for Gazebo_20:

(10, 7222), (16, 7471), (40, 7657), (71, 7846), (Start: 137 @8077 has 31 MA's), (142, 8086), (159, 8134), (210, 8320), (228, 8386), (230, 8395),

Gene: GeneCoco_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for GeneCoco_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Gervas_10 Start: 5944, Stop: 6279, Start Num: 138

Candidate Starts for Gervas_10:

(Start: 138 @5944 has 45 MA's), (159, 5986), (162, 5998), (167, 6013), (171, 6031), (193, 6088), (206, 6154), (212, 6175), (225, 6211), (228, 6223), (233, 6259),

Gene: Gezellig_11 Start: 5251, Stop: 5565, Start Num: 150

Candidate Starts for Gezellig_11:

(Start: 127 @5188 has 1 MA's), (Start: 150 @5251 has 25 MA's), (198, 5407), (199, 5413),

Gene: Giraffe_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Giraffe_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Glass_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Glass_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: GlenHope_11 Start: 5963, Stop: 6298, Start Num: 138

Candidate Starts for GlenHope_11:

(Start: 138 @5963 has 45 MA's), (159, 6005), (162, 6017), (167, 6032), (171, 6050), (193, 6107), (206, 6173), (212, 6194), (225, 6230), (228, 6242), (233, 6278),

Gene: GodPhather_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for GodPhather_5:

(Start: 121 @2882 has 28 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (204, 3149), (208, 3161), (219, 3185), (232, 3251),

Gene: Godines_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Godines_11:

(96, 7225), (100, 7234), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Gophee_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Gophee_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Grand2040_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Grand2040_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Grassboy_22 Start: 8532, Stop: 8870, Start Num: 137

Candidate Starts for Grassboy_22:

(Start: 137 @8532 has 31 MA's), (142, 8541), (159, 8589), (228, 8841), (230, 8850),

Gene: Gwilliam_8 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Gwilliam_8:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262),

Gene: Gyarad_007 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Gyarad_007:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: HSavage_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for HSavage_7:

(Start: 90 @3880 has 7 MA's), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267),

Gene: Haimas_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Haimas_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Haleema_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Haleema_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Halfpint_9 Start: 5798, Stop: 6133, Start Num: 138

Candidate Starts for Halfpint_9:

(Start: 138 @5798 has 45 MA's), (159, 5840), (162, 5852), (167, 5867), (171, 5885), (193, 5942), (206, 6008), (212, 6029), (225, 6065), (228, 6077), (233, 6113),

Gene: Hamish_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Hamish_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Hangman_8 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for Hangman_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (72, 6131), (73, 6137), (75, 6146), (81, 6164), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Hartsy_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Hartsy_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Harvey_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Harvey_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (Start: 132 @4014 has 6 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: HarveySr_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for HarveySr_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: Hashim76_12 Start: 5115, Stop: 5540, Start Num: 118

Candidate Starts for Hashim76_12:

(92, 5037), (Start: 118 @5115 has 244 MA's), (Start: 132 @5160 has 6 MA's), (184, 5304), (204, 5400),

Gene: Heath_8 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for Heath_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (81, 6164), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Heathcliff_10 Start: 5944, Stop: 6279, Start Num: 138

Candidate Starts for Heathcliff_10:

(Start: 138 @5944 has 45 MA's), (159, 5986), (162, 5998), (167, 6013), (171, 6031), (193, 6088), (206, 6154), (212, 6175), (225, 6211), (228, 6223), (233, 6259),

Gene: Hedgerow_11 Start: 7462, Stop: 7800, Start Num: 145

Candidate Starts for Hedgerow_11:

(96, 7324), (100, 7333), (112, 7375), (115, 7381), (Start: 145 @7462 has 32 MA's), (152, 7477), (164, 7516), (171, 7543), (179, 7561), (185, 7570), (188, 7579), (191, 7594), (193, 7600), (221, 7705), (224, 7717), (233, 7771),

Gene: Held_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Held_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: HenryJackson_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for HenryJackson_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Hertubise_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Hertubise_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Hetaeria_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Hetaeria_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: HighStump_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for HighStump_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Hocus_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Hocus_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Holeinone_11 Start: 7362, Stop: 7700, Start Num: 145

Candidate Starts for Holeinone_11:

(Start: 145 @7362 has 32 MA's), (152, 7377), (164, 7416), (171, 7443), (179, 7461), (185, 7470), (187, 7476), (188, 7479), (191, 7494), (192, 7497), (193, 7500), (221, 7605), (224, 7617), (233, 7671),

Gene: Horchata_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Horchata_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264), (228, 4339),

Gene: Hosp_04 Start: 2968, Stop: 3384, Start Num: 121

Candidate Starts for Hosp_04:

(116, 2953), (Start: 121 @2968 has 28 MA's), (Start: 138 @3019 has 45 MA's), (143, 3028), (192, 3184), (198, 3214), (199, 3220), (200, 3226), (224, 3304), (228, 3322), (229, 3325),

Gene: Hydro_8 Start: 6299, Stop: 6718, Start Num: 121

Candidate Starts for Hydro_8:

(18, 5771), (21, 5786), (22, 5789), (24, 5819), (28, 5846), (30, 5855), (31, 5861), (33, 5867), (35, 5891), (43, 5981), (44, 6005), (46, 6017), (59, 6083), (62, 6098), (72, 6128), (73, 6134), (75, 6143),

(81, 6161), (Start: 90 @6203 has 7 MA's), (94, 6218), (98, 6233), (Start: 101 @6239 has 1 MA's), (Start: 103 @6242 has 1 MA's), (Start: 121 @6299 has 28 MA's), (Start: 128 @6317 has 1 MA's), (Start: 129 @6323 has 2 MA's), (130, 6329), (Start: 138 @6350 has 45 MA's), (152, 6386), (169, 6440), (199, 6551), (200, 6557), (204, 6578), (213, 6605), (221, 6623), (227, 6647), (228, 6653),

Gene: Hyperion_19 Start: 7780, Stop: 8124, Start Num: 137

Candidate Starts for Hyperion_19:

(10, 6925), (16, 7174), (71, 7549), (Start: 137 @7780 has 31 MA's), (142, 7789), (159, 7837), (228, 8089), (230, 8098),

Gene: ImtiyazSitla_7 Start: 3764, Stop: 4408, Start Num: 65

Candidate Starts for ImtiyazSitla_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Imvubu_4 Start: 3089, Stop: 3511, Start Num: 126

Candidate Starts for Imvubu_4:

(Start: 126 @3089 has 11 MA's), (159, 3185), (181, 3257), (193, 3296), (199, 3329), (206, 3362), (216, 3404), (217, 3407), (228, 3452),

Gene: Inchworm_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Inchworm_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Indlovu_8 Start: 5946, Stop: 6359, Start Num: 121

Candidate Starts for Indlovu_8:

(2, 4827), (7, 5040), (8, 5112), (27, 5490), (Start: 118 @5937 has 244 MA's), (Start: 121 @5946 has 28 MA's), (Start: 128 @5964 has 1 MA's), (136, 5994), (Start: 138 @5997 has 45 MA's), (192, 6162), (198, 6192), (199, 6198), (204, 6225), (213, 6252), (221, 6270),

Gene: Inverness_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for Inverness_7:

(Start: 90 @3880 has 7 MA's), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267),

Gene: Iridoclysis_7 Start: 3969, Stop: 4415, Start Num: 118

Candidate Starts for Iridoclysis_7:

(Start: 90 @3882 has 7 MA's), (Start: 118 @3969 has 244 MA's), (158, 4080), (196, 4206), (199, 4230), (204, 4257), (206, 4263), (208, 4269), (228, 4344),

Gene: IsaacEli_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for IsaacEli_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: ItsyBitsy1_11 Start: 7354, Stop: 7692, Start Num: 145

Candidate Starts for ItsyBitsy1_11:

(96, 7216), (100, 7225), (112, 7267), (115, 7273), (Start: 145 @7354 has 32 MA's), (152, 7369), (164, 7408), (171, 7435), (179, 7453), (185, 7462), (188, 7471), (191, 7486), (193, 7492), (221, 7597), (224, 7609), (233, 7663),

Gene: JAMaL_7 Start: 5846, Stop: 6244, Start Num: 129

Candidate Starts for JAMaL_7:

(Start: 121 @5822 has 28 MA's), (Start: 128 @5840 has 1 MA's), (Start: 129 @5846 has 2 MA's), (Start: 138 @5873 has 45 MA's), (169, 5963), (177, 5993), (189, 6020), (190, 6023), (193, 6041), (199, 6074), (213, 6128), (232, 6206),

Gene: JDog_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for JDog_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: JacAttac_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for JacAttac_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Jackstina_9 Start: 5866, Stop: 6201, Start Num: 138

Candidate Starts for Jackstina_9:

(Start: 138 @5866 has 45 MA's), (159, 5908), (162, 5920), (167, 5935), (171, 5953), (193, 6010), (206, 6076), (212, 6097), (225, 6133), (228, 6145), (233, 6181),

Gene: JaguarMi_9 Start: 6144, Stop: 6545, Start Num: 128

Candidate Starts for JaguarMi_9:

(97, 6057), (Start: 101 @6066 has 1 MA's), (Start: 103 @6069 has 1 MA's), (Start: 121 @6126 has 28 MA's), (Start: 128 @6144 has 1 MA's), (Start: 129 @6150 has 2 MA's), (130, 6156), (Start: 138 @6177 has 45 MA's), (152, 6213), (169, 6267), (199, 6378), (200, 6384), (204, 6405), (213, 6432), (227, 6474), (228, 6480),

Gene: JakeO_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for JakeO_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Jambalaya_11 Start: 4956, Stop: 5270, Start Num: 150

Candidate Starts for Jambalaya_11:

(Start: 150 @4956 has 25 MA's), (198, 5112), (199, 5118),

Gene: JangoPhett_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for JangoPhett_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Jehoshaphat_23 Start: 8775, Stop: 9113, Start Num: 137

Candidate Starts for Jehoshaphat_23:

(10, 7920), (16, 8169), (19, 8214), (71, 8544), (Start: 137 @8775 has 31 MA's), (142, 8784), (159, 8832), (228, 9084), (230, 9093),

Gene: Jeon_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for Jeon_5:

(Start: 121 @2882 has 28 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (204, 3149), (208, 3161), (219, 3185), (232, 3251),

Gene: Jillium_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Jillium_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Jiminy_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Jiminy_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Jiraiya_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Jiraiya_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Jolie1_06 Start: 4766, Stop: 5182, Start Num: 121

Candidate Starts for Jolie1_06:

(116, 4751), (Start: 121 @4766 has 28 MA's), (Start: 138 @4817 has 45 MA's), (143, 4826), (192, 4982), (198, 5012), (199, 5018), (224, 5102), (227, 5114), (228, 5120), (229, 5123),

Gene: Judebell_23 Start: 8316, Stop: 8654, Start Num: 137

Candidate Starts for Judebell_23:

(71, 8085), (Start: 137 @8316 has 31 MA's), (142, 8325), (159, 8373), (228, 8625), (230, 8634),

Gene: KLucky39_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for KLucky39_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Kahve_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Kahve_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Kailash_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Kailash_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Kaleb_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Kaleb_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Kamiyu_10 Start: 5944, Stop: 6279, Start Num: 138

Candidate Starts for Kamiyu_10:

(Start: 138 @5944 has 45 MA's), (159, 5986), (162, 5998), (167, 6013), (171, 6031), (193, 6088), (206, 6154), (212, 6175), (225, 6211), (228, 6223), (233, 6259),

Gene: Katniss_7 Start: 3879, Stop: 4412, Start Num: 90

Candidate Starts for Katniss_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: KayaCho_6 Start: 4769, Stop: 5185, Start Num: 121

Candidate Starts for KayaCho_6:

(116, 4754), (Start: 121 @4769 has 28 MA's), (136, 4817), (Start: 138 @4820 has 45 MA's), (143, 4829), (192, 4985), (196, 4997), (198, 5015), (199, 5021), (200, 5027), (224, 5105), (227, 5117), (228, 5123), (229, 5126),

Gene: Keitherie_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for Keitherie_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (158, 4072), (196, 4198), (199, 4222), (204, 4249), (206, 4255), (208, 4261), (228, 4336),

Gene: Kelcole_19 Start: 7138, Stop: 7482, Start Num: 133

Candidate Starts for Kelcole_19:

(19, 6553), (40, 6697), (93, 7009), (Start: 133 @7138 has 8 MA's), (149, 7168), (153, 7174), (159, 7195), (168, 7225), (194, 7303), (210, 7381), (228, 7447), (230, 7456),

Gene: Kheth_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Kheth_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Kikipoo_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Kikipoo_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Kimbrough_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Kimbrough_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: KimmyK_11 Start: 5272, Stop: 5586, Start Num: 150

Candidate Starts for KimmyK_11:

(Start: 127 @5209 has 1 MA's), (Start: 150 @5272 has 25 MA's), (198, 5428), (199, 5434),

Gene: KingTut_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for KingTut_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: KingVeVeVe_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for KingVeVeVe_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (Start: 132 @4014 has 6 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (205, 4257), (206, 4260), (208, 4266), (228, 4341),

Gene: KlimbOn_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for KlimbOn_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Kloppinator_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Kloppinator_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Klocker_13 Start: 8739, Stop: 9161, Start Num: 126

Candidate Starts for Klocker_13:

(Start: 126 @8739 has 11 MA's), (Start: 129 @8751 has 2 MA's), (131, 8760), (Start: 132 @8766 has 6 MA's), (134, 8769), (159, 8835), (163, 8850), (181, 8907), (193, 8946), (199, 8979), (201, 8991), (206, 9012), (214, 9048), (217, 9057), (218, 9060), (222, 9075), (226, 9093), (228, 9102),

Gene: Kronus_9 Start: 6559, Stop: 6894, Start Num: 138

Candidate Starts for Kronus_9:

(Start: 138 @6559 has 45 MA's), (159, 6601), (162, 6613), (167, 6628), (171, 6646), (193, 6703), (206, 6769), (212, 6790), (225, 6826), (228, 6838), (233, 6874),

Gene: Kwadwo_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Kwadwo_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Kwksand96_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Kwksand96_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: Kyva_23 Start: 8567, Stop: 8905, Start Num: 137

Candidate Starts for Kyva_23:

(Start: 137 @8567 has 31 MA's), (142, 8576), (159, 8624), (228, 8876), (230, 8885),

Gene: Labeouficaum_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Labeouficaum_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Lars_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Lars_11:

(96, 7342), (100, 7351), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: LasagnaCat_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for LasagnaCat_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Lasso_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Lasso_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Laurie_11 Start: 7364, Stop: 7702, Start Num: 145

Candidate Starts for Laurie_11:

(96, 7226), (100, 7235), (112, 7277), (115, 7283), (Start: 145 @7364 has 32 MA's), (152, 7379), (164, 7418), (171, 7445), (179, 7463), (185, 7472), (187, 7478), (188, 7481), (191, 7496), (193, 7502), (221, 7607), (224, 7619), (233, 7673),

Gene: LeeLot_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for LeeLot_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Lego3393_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Lego3393_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Legolas_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Legolas_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: LeiMonet_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for LeiMonet_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (Start: 132 @4009 has 6 MA's), (196, 4198), (199, 4222), (204, 4249), (205, 4252), (206, 4255), (208, 4261), (228, 4336),

Gene: LemonSlice_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for LemonSlice_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Lephleur_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Lephleur_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: LestyG_10 Start: 5953, Stop: 6288, Start Num: 138

Candidate Starts for LestyG_10:

(Start: 138 @5953 has 45 MA's), (159, 5995), (162, 6007), (167, 6022), (171, 6040), (193, 6097), (206, 6163), (225, 6220), (228, 6232), (233, 6268),

Gene: Ligma_7 Start: 4953, Stop: 5276, Start Num: 146

Candidate Starts for Ligma_7:

(102, 4833), (Start: 140 @4941 has 1 MA's), (Start: 146 @4953 has 11 MA's), (151, 4959), (154, 4965), (155, 4968), (157, 4971), (162, 4992), (164, 4998), (171, 5025), (185, 5052), (187, 5058), (206, 5148), (232, 5247),

Gene: LilMcDreamy_9 Start: 7042, Stop: 7443, Start Num: 126

Candidate Starts for LilMcDreamy_9:

(20, 6490), (52, 6757), (55, 6775), (122, 7033), (Start: 126 @7042 has 11 MA's), (Start: 129 @7054 has 2 MA's), (Start: 132 @7069 has 6 MA's), (Start: 138 @7081 has 45 MA's), (167, 7165), (177, 7201), (199, 7282), (206, 7315), (208, 7321), (226, 7375),

Gene: LittleMunchkin_8 Start: 6237, Stop: 6560, Start Num: 146

Candidate Starts for LittleMunchkin_8:

(1, 4998), (5, 5172), (11, 5382), (13, 5499), (25, 5685), (32, 5730), (49, 5898), (57, 5946), (Start: 140 @6225 has 1 MA's), (Start: 146 @6237 has 11 MA's), (157, 6255), (162, 6276), (164, 6282), (171, 6309), (191, 6360), (198, 6393), (206, 6432), (221, 6471), (227, 6495), (232, 6531),

Gene: LizLemon_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for LizLemon_11:

(96, 7342), (100, 7351), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Llemily_21 Start: 7551, Stop: 7889, Start Num: 137

Candidate Starts for Llemily_21:

(10, 6696), (16, 6945), (71, 7320), (Start: 137 @7551 has 31 MA's), (142, 7560), (159, 7608), (228, 7860), (230, 7869),

Gene: Lolalove_8 Start: 6299, Stop: 6718, Start Num: 121

Candidate Starts for Lolalove_8:

(18, 5771), (21, 5786), (22, 5789), (24, 5819), (28, 5846), (30, 5855), (31, 5861), (33, 5867), (35, 5891), (43, 5981), (44, 6005), (46, 6017), (59, 6083), (62, 6098), (72, 6128), (73, 6134), (75, 6143), (81, 6161), (Start: 90 @6203 has 7 MA's), (94, 6218), (98, 6233), (Start: 101 @6239 has 1 MA's), (Start: 103 @6242 has 1 MA's), (Start: 121 @6299 has 28 MA's), (Start: 128 @6317 has 1 MA's), (Start: 129 @6323 has 2 MA's), (130, 6329), (Start: 138 @6350 has 45 MA's), (152, 6386), (169, 6440), (199, 6551), (200, 6557), (204, 6578), (213, 6605), (221, 6623), (227, 6647), (228, 6653),

Gene: Lonelysoil_20 Start: 7796, Stop: 8134, Start Num: 137

Candidate Starts for Lonelysoil_20:

(10, 6941), (16, 7190), (19, 7235), (71, 7565), (Start: 137 @7796 has 31 MA's), (142, 7805), (159, 7853), (228, 8105), (230, 8114),

Gene: Longacauda_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Longacauda_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Lopsy_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Lopsy_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: LostAndPhound_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for LostAndPhound_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: LuckyMarjie_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for LuckyMarjie_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Lulumae_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Lulumae_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Lulwa_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Lulwa_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Lumine_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Lumine_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: MRabcd_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for MRabcd_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Mag7_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Mag7_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Magic8_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Magic8_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Magpie_8 Start: 6457, Stop: 6876, Start Num: 121

Candidate Starts for Magpie_8:

(97, 6388), (Start: 101 @6397 has 1 MA's), (Start: 103 @6400 has 1 MA's), (Start: 121 @6457 has 28 MA's), (Start: 128 @6475 has 1 MA's), (Start: 129 @6481 has 2 MA's), (130, 6487), (Start: 138 @6508 has 45 MA's), (152, 6544), (169, 6598), (199, 6709), (200, 6715), (204, 6736), (213, 6763), (221, 6781), (227, 6805), (228, 6811),

Gene: MakoManhole_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for MakoManhole_9:

(99, 6293), (106, 6311), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (232, 6725), (234, 6740),

Gene: Mana_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Mana_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Manad_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Manad_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Mao1_5 Start: 3670, Stop: 4077, Start Num: 119

Candidate Starts for Mao1_5:

(109, 3637), (Start: 119 @3670 has 5 MA's), (Start: 132 @3715 has 6 MA's), (Start: 141 @3733 has 5 MA's), (144, 3742), (151, 3760), (152, 3763), (158, 3778), (190, 3877), (192, 3892), (197, 3907), (203, 3952), (206, 3961), (208, 3967), (231, 4042),

Gene: Marcie_25 Start: 7843, Stop: 8187, Start Num: 133

Candidate Starts for Marcie_25:

(40, 7402), (93, 7714), (Start: 133 @7843 has 8 MA's), (159, 7900), (167, 7927), (168, 7930), (194, 8008), (210, 8086), (228, 8152), (230, 8161),

Gene: Mariokart_7 Start: 4960, Stop: 5283, Start Num: 146

Candidate Starts for Mariokart_7:

(Start: 140 @4948 has 1 MA's), (Start: 146 @4960 has 11 MA's), (151, 4966), (154, 4972), (157, 4978), (159, 4987), (161, 4996), (162, 4999), (164, 5005), (183, 5056), (187, 5065), (202, 5137), (232, 5254),

Gene: Marley1013_10 Start: 6739, Stop: 7074, Start Num: 138

Candidate Starts for Marley1013_10:

(Start: 138 @6739 has 45 MA's), (159, 6781), (162, 6793), (167, 6808), (171, 6826), (193, 6883), (206, 6949), (212, 6970), (225, 7006), (228, 7018), (233, 7054),

Gene: Maru_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Maru_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Mashley_18 Start: 7591, Stop: 7935, Start Num: 137

Candidate Starts for Mashley_18:

(10, 6736), (16, 6985), (71, 7360), (Start: 137 @7591 has 31 MA's), (142, 7600), (159, 7648), (228, 7900), (230, 7909),

Gene: Mask_6 Start: 3671, Stop: 4078, Start Num: 119

Candidate Starts for Mask_6:

(109, 3638), (Start: 119 @3671 has 5 MA's), (Start: 132 @3716 has 6 MA's), (Start: 141 @3734 has 5 MA's), (144, 3743), (151, 3761), (152, 3764), (158, 3779), (190, 3878), (192, 3893), (197, 3908), (203, 3953), (206, 3962), (208, 3968), (231, 4043),

Gene: Maskar_7 Start: 3764, Stop: 4408, Start Num: 65

Candidate Starts for Maskar_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: MasterPo_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for MasterPo_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Matalotodo_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Matalotodo_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Mcshane_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Mcshane_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Mecca_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Mecca_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Megabear_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for Megabear_5:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (208, 3161), (219, 3185), (220, 3191), (232, 3251),

Gene: Megamind20_8 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Megamind20_8:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Megatron_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Megatron_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Melc17_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Melc17_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: MellowYellow_17 Start: 7675, Stop: 7986, Start Num: 132

Candidate Starts for MellowYellow_17:

(Start: 132 @7675 has 6 MA's), (Start: 139 @7678 has 2 MA's), (157, 7708), (198, 7849), (222, 7930), (228, 7957),

Gene: MelsMeow_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for MelsMeow_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: Mesh1_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Mesh1_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: MichaelPhcott_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for MichaelPhcott_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Mikota_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Mikota_7:

(61, 3750), (Start: 65 @3765 has 3 MA's), (69, 3780), (73, 3789), (78, 3810), (88, 3870), (Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: MiniBoss_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for MiniBoss_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: MitKao_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for MitKao_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Mithril_8 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for Mithril_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (34, 5879), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (87, 6191), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (190, 6503), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: MmasiCarm_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for MmasiCarm_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: Morgushi_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Morgushi_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (228, 4338),

Gene: Mortcellus_9 Start: 6587, Stop: 6922, Start Num: 138

Candidate Starts for Mortcellus_9:

(Start: 138 @6587 has 45 MA's), (159, 6629), (162, 6641), (167, 6656), (171, 6674), (193, 6731), (206, 6797), (212, 6818), (225, 6854), (228, 6866), (233, 6902),

Gene: Morty_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Morty_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Morty007_10 Start: 6739, Stop: 7074, Start Num: 138

Candidate Starts for Morty007_10:

(Start: 138 @6739 has 45 MA's), (159, 6781), (162, 6793), (167, 6808), (171, 6826), (193, 6883), (206, 6949), (212, 6970), (225, 7006), (228, 7018), (233, 7054),

Gene: Mosaic_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Mosaic_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: MossRose_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for MossRose_9:

(99, 6293), (106, 6311), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (231, 6707), (232, 6725), (234, 6740),

Gene: MrPhizzler_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for MrPhizzler_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (Start: 132 @4009 has 6 MA's), (196, 4198), (199, 4222), (204, 4249), (205, 4252), (206, 4255), (208, 4261), (228, 4336),

Gene: Mudslide_8 Start: 6550, Stop: 6969, Start Num: 121

Candidate Starts for Mudslide_8:

(95, 6478), (Start: 121 @6550 has 28 MA's), (Start: 128 @6568 has 1 MA's), (Start: 129 @6574 has 2 MA's), (130, 6580), (Start: 138 @6601 has 45 MA's), (152, 6637), (169, 6691), (199, 6802), (200, 6808), (204, 6829), (213, 6856), (221, 6874), (227, 6898), (228, 6904),

Gene: Mulan_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Mulan_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Murdoc_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Murdoc_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Mutante_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Mutante_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Mutzi_11 Start: 5144, Stop: 5458, Start Num: 150

Candidate Starts for Mutzi_11:

(Start: 127 @5081 has 1 MA's), (Start: 150 @5144 has 25 MA's), (198, 5300), (199, 5306),

Gene: Mysterious_9 Start: 6540, Stop: 6941, Start Num: 126

Candidate Starts for Mysterious_9:

(Start: 126 @6540 has 11 MA's), (Start: 129 @6552 has 2 MA's), (131, 6561), (Start: 132 @6567 has 6 MA's), (Start: 138 @6579 has 45 MA's), (167, 6663), (177, 6699), (185, 6714), (193, 6747), (196, 6756), (199, 6780), (201, 6792), (208, 6819), (228, 6882), (233, 6918),

Gene: NHagos_7 Start: 4896, Stop: 5237, Start Num: 138

Candidate Starts for NHagos_7:

(Start: 138 @4896 has 45 MA's), (Start: 141 @4902 has 5 MA's), (154, 4926), (159, 4941), (160, 4944), (162, 4953), (177, 4998), (187, 5019), (200, 5082), (206, 5109), (232, 5208), (235, 5226),

Gene: Nacho_007 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Nacho_007:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Namago_21 Start: 7611, Stop: 7955, Start Num: 137

Candidate Starts for Namago_21:

(71, 7380), (Start: 137 @7611 has 31 MA's), (142, 7620), (159, 7668), (210, 7854), (228, 7920), (230, 7929),

Gene: Nanao_7 Start: 5221, Stop: 5616, Start Num: 128

Candidate Starts for Nanao_7:

(Start: 121 @5203 has 28 MA's), (Start: 128 @5221 has 1 MA's), (Start: 129 @5227 has 2 MA's), (Start: 138 @5254 has 45 MA's), (169, 5344), (189, 5401), (190, 5404), (193, 5422), (196, 5431), (199, 5455), (204, 5482), (213, 5509), (224, 5539), (232, 5587),

Gene: Nangang_9 Start: 6253, Stop: 6675, Start Num: 126

Candidate Starts for Nangang_9:

(Start: 126 @6253 has 11 MA's), (Start: 132 @6280 has 6 MA's), (Start: 141 @6298 has 5 MA's), (167, 6376), (183, 6424), (193, 6460), (196, 6469), (199, 6493), (206, 6526), (215, 6565), (217, 6571), (233, 6652),

Gene: Neos5_10 Start: 6739, Stop: 7074, Start Num: 138

Candidate Starts for Neos5_10:

(Start: 138 @6739 has 45 MA's), (159, 6781), (162, 6793), (167, 6808), (171, 6826), (193, 6883), (206, 6949), (212, 6970), (225, 7006), (228, 7018), (233, 7054),

Gene: Newman_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Newman_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Nicole21_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Nicole21_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Nigel_6 Start: 5100, Stop: 5522, Start Num: 121

Candidate Starts for Nigel_6:

(Start: 121 @5100 has 28 MA's), (Start: 128 @5118 has 1 MA's), (Start: 129 @5124 has 2 MA's), (Start: 138 @5151 has 45 MA's), (169, 5241), (177, 5271), (189, 5298), (190, 5301), (193, 5319), (199, 5352), (204, 5379), (213, 5406), (232, 5484),

Gene: Nike_21 Start: 8517, Stop: 8861, Start Num: 137

Candidate Starts for Nike_21:

(Start: 137 @8517 has 31 MA's), (142, 8526), (159, 8574), (210, 8760), (228, 8826), (230, 8835),

Gene: Nozo_10 Start: 6711, Stop: 7046, Start Num: 138

Candidate Starts for Nozo_10:

(Start: 138 @6711 has 45 MA's), (159, 6753), (162, 6765), (167, 6780), (171, 6798), (193, 6855), (206, 6921), (212, 6942), (225, 6978), (228, 6990), (233, 7026),

Gene: Numberten_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Numberten_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Nyala_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Nyala_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: OSmaximus_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for OSmaximus_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: Obutu_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for Obutu_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: Odyssey395_23 Start: 9132, Stop: 9443, Start Num: 132

Candidate Starts for Odyssey395_23:

(Start: 132 @9132 has 6 MA's), (Start: 139 @9135 has 2 MA's), (157, 9165), (198, 9306), (222, 9387), (228, 9414),

Gene: Olak_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Olak_7:

(61, 3750), (Start: 65 @3765 has 3 MA's), (69, 3780), (73, 3789), (78, 3810), (88, 3870), (Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (Start: 132 @4011 has 6 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: Oline_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Oline_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Olive_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Olive_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: OliverWalter_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for OliverWalter_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (158, 4072), (196, 4198), (199, 4222), (204, 4249), (206, 4255), (208, 4261),

Gene: Omniscient_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Omniscient_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: OneinaGillian_20 Start: 6820, Stop: 7164, Start Num: 133

Candidate Starts for OneinaGillian_20:

(93, 6691), (Start: 133 @6820 has 8 MA's), (149, 6850), (153, 6856), (159, 6877), (168, 6907), (194, 6985), (210, 7063), (228, 7129), (230, 7138),

Gene: Oosterbaan_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Oosterbaan_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Opia_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Opia_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: OrangeOswald_10 Start: 5949, Stop: 6284, Start Num: 138

Candidate Starts for OrangeOswald_10:

(Start: 138 @5949 has 45 MA's), (159, 5991), (162, 6003), (167, 6018), (171, 6036), (193, 6093), (206, 6159), (212, 6180), (225, 6216), (228, 6228), (233, 6264),

Gene: Orfeu_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Orfeu_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264), (228, 4339),

Gene: Orion_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Orion_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Orwigg_8 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Orwigg_8:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: PG1_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for PG1_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: PR_05 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for PR_05:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (208, 3161), (219, 3185), (220, 3191), (232,

3251),

Gene: Pacifista_8 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Pacifista_8:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: PenguinLover67_11 Start: 7154, Stop: 7573, Start Num: 119

Candidate Starts for PenguinLover67_11:

(48, 6878), (60, 6944), (Start: 65 @6962 has 3 MA's), (73, 6986), (76, 7001), (77, 7004), (79, 7016), (81, 7022), (82, 7025), (84, 7034), (Start: 90 @7064 has 7 MA's), (91, 7070), (94, 7079), (Start: 101 @7103 has 1 MA's), (Start: 119 @7154 has 5 MA's), (136, 7208), (Start: 138 @7211 has 45 MA's), (183, 7343), (192, 7376), (198, 7406), (199, 7412), (200, 7418), (204, 7439), (213, 7466),

Gene: Pepe25_19 Start: 7078, Stop: 7422, Start Num: 133

Candidate Starts for Pepe25_19:

(6, 6037), (12, 6271), (19, 6493), (93, 6949), (Start: 133 @7078 has 8 MA's), (159, 7135), (168, 7165), (194, 7243), (228, 7387), (230, 7396),

Gene: Phabia_21 Start: 7969, Stop: 8307, Start Num: 137

Candidate Starts for Phabia_21:

(71, 7738), (Start: 137 @7969 has 31 MA's), (142, 7978), (159, 8026), (228, 8278), (230, 8287),

Gene: Phaedrus_9 Start: 5866, Stop: 6201, Start Num: 138

Candidate Starts for Phaedrus_9:

(Start: 138 @5866 has 45 MA's), (159, 5908), (162, 5920), (167, 5935), (171, 5953), (193, 6010), (206, 6076), (212, 6097), (225, 6133), (228, 6145), (233, 6181),

Gene: Phamished_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Phamished_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Phantasmagoria_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Phantasmagoria_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: Phareon_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Phareon_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: PhatCats2014_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for PhatCats2014_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: PhatLouie_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for PhatLouie_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Phayeta_10 Start: 5825, Stop: 6160, Start Num: 138

Candidate Starts for Phayeta_10:

(Start: 138 @5825 has 45 MA's), (159, 5867), (162, 5879), (167, 5894), (171, 5912), (193, 5969), (206, 6035), (212, 6056), (225, 6092), (228, 6104), (233, 6140),

Gene: Phelemich_9 Start: 6543, Stop: 6944, Start Num: 126

Candidate Starts for Phelemich_9:

(Start: 126 @6543 has 11 MA's), (Start: 129 @6555 has 2 MA's), (130, 6561), (131, 6564), (Start: 138 @6582 has 45 MA's), (167, 6666), (177, 6702), (185, 6717), (193, 6750), (196, 6759), (199, 6783), (228, 6885), (233, 6921),

Gene: PhenghisKhan_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for PhenghisKhan_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Pherdinand_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Pherdinand_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Phergie_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Phergie_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Philly_9 Start: 5839, Stop: 6174, Start Num: 138

Candidate Starts for Philly_9:

(Start: 138 @5839 has 45 MA's), (159, 5881), (162, 5893), (167, 5908), (171, 5926), (193, 5983), (206, 6049), (212, 6070), (225, 6106), (228, 6118), (233, 6154),

Gene: Phinky_27 Start: 8832, Stop: 9176, Start Num: 135

Candidate Starts for Phinky_27:

(Start: 135 @8832 has 1 MA's), (167, 8916), (169, 8922), (210, 9075), (228, 9141), (230, 9150),

Gene: Phipps_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Phipps_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Phleuron_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Phleuron_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Phlop_11 Start: 5251, Stop: 5565, Start Num: 150

Candidate Starts for Phlop_11:

(Start: 127 @5188 has 1 MA's), (Start: 150 @5251 has 25 MA's), (198, 5407), (199, 5413),

Gene: Phlyer_10 Start: 6706, Stop: 7041, Start Num: 138

Candidate Starts for Phlyer_10:

(Start: 138 @6706 has 45 MA's), (159, 6748), (162, 6760), (167, 6775), (171, 6793), (193, 6850), (206, 6916), (212, 6937), (225, 6973), (228, 6985), (233, 7021),

Gene: PhrankReynolds_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for PhrankReynolds_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: PhrodoBaggins_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for PhrodoBaggins_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Phunky_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Phunky_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Piglet_007 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Piglet_007:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: PinheadLarry_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for PinheadLarry_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: PinkCoffee_11 Start: 5281, Stop: 5595, Start Num: 150

Candidate Starts for PinkCoffee_11:

(Start: 127 @5218 has 1 MA's), (Start: 150 @5281 has 25 MA's), (198, 5437), (199, 5443),

Gene: Pinkman_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Pinkman_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Pipefish_10 Start: 6844, Stop: 7179, Start Num: 138

Candidate Starts for Pipefish_10:

(Start: 138 @6844 has 45 MA's), (159, 6886), (162, 6898), (167, 6913), (171, 6931), (193, 6988), (206, 7054), (212, 7075), (225, 7111), (228, 7123), (233, 7159),

Gene: Pipsqueak_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Pipsqueak_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Placalicious_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Placalicious_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Plmatters_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Plmatters_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Podrick_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Podrick_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Pointis_21 Start: 9130, Stop: 9441, Start Num: 132

Candidate Starts for Pointis_21:

(Start: 132 @9130 has 6 MA's), (Start: 139 @9133 has 2 MA's), (157, 9163), (198, 9304), (222, 9385), (228, 9412),

Gene: Pops_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Pops_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265),

Gene: Portcullis_11 Start: 5204, Stop: 5518, Start Num: 150

Candidate Starts for Portcullis_11:

(Start: 150 @5204 has 25 MA's), (198, 5360), (199, 5366),

Gene: Poster_7 Start: 5221, Stop: 5616, Start Num: 128

Candidate Starts for Poster_7:

(Start: 121 @5203 has 28 MA's), (Start: 128 @5221 has 1 MA's), (Start: 129 @5227 has 2 MA's), (Start: 138 @5254 has 45 MA's), (169, 5344), (189, 5401), (190, 5404), (193, 5422), (196, 5431), (199, 5455), (204, 5482), (213, 5509), (224, 5539), (232, 5587),

Gene: Potter_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Potter_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Prickles_7 Start: 3971, Stop: 4417, Start Num: 118

Candidate Starts for Prickles_7:

(Start: 90 @3884 has 7 MA's), (Start: 118 @3971 has 244 MA's), (158, 4082), (196, 4208), (199, 4232), (204, 4259), (206, 4265), (208, 4271),

Gene: Prince_9 Start: 6462, Stop: 6881, Start Num: 121

Candidate Starts for Prince_9:

(88, 6366), (91, 6378), (Start: 121 @6462 has 28 MA's), (Start: 128 @6480 has 1 MA's), (Start: 129 @6486 has 2 MA's), (130, 6492), (Start: 138 @6513 has 45 MA's), (152, 6549), (169, 6603), (199, 6714), (200, 6720), (204, 6741), (213, 6768), (221, 6786), (227, 6810), (228, 6816),

Gene: ProfessorX_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for ProfessorX_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Puhltonio_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Puhltonio_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: PullumCavea_11 Start: 5251, Stop: 5565, Start Num: 150

Candidate Starts for PullumCavea_11:

(Start: 127 @5188 has 1 MA's), (Start: 150 @5251 has 25 MA's), (198, 5407), (199, 5413),

Gene: Pureglobe5_23 Start: 9146, Stop: 9457, Start Num: 132

Candidate Starts for Pureglobe5_23:

(Start: 132 @9146 has 6 MA's), (Start: 139 @9149 has 2 MA's), (157, 9179), (198, 9320), (222, 9401), (228, 9428),

Gene: Quammi_19 Start: 7540, Stop: 7878, Start Num: 137

Candidate Starts for Quammi_19:

(Start: 137 @7540 has 31 MA's), (142, 7549), (159, 7597), (228, 7849), (230, 7858),

Gene: QueenBeane_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for QueenBeane_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Quesadilla_10 Start: 6979, Stop: 7392, Start Num: 121

Candidate Starts for Quesadilla_10:

(56, 6742), (60, 6766), (63, 6772), (66, 6781), (68, 6787), (73, 6802), (79, 6832), (81, 6838), (82, 6841), (Start: 90 @6880 has 7 MA's), (91, 6886), (94, 6895), (Start: 101 @6919 has 1 MA's), (Start: 118 @6970 has 244 MA's), (Start: 121 @6979 has 28 MA's), (Start: 138 @7030 has 45 MA's), (143, 7039), (169, 7120), (173, 7138), (189, 7177), (192, 7195), (199, 7231), (200, 7237), (221, 7303), (228, 7333),

Gene: Quisquilliae_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Quisquilliae_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Qyrzula_11 Start: 7453, Stop: 7791, Start Num: 145

Candidate Starts for Qyrzula_11:

(96, 7315), (100, 7324), (115, 7372), (Start: 145 @7453 has 32 MA's), (152, 7468), (164, 7507), (171, 7534), (179, 7552), (185, 7561), (188, 7570), (191, 7585), (193, 7591), (221, 7696), (224, 7708), (233, 7762),

Gene: RagingRooster_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for RagingRooster_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: RawrgerThat_8 Start: 6296, Stop: 6715, Start Num: 121

Candidate Starts for RawrgerThat_8:

(15, 5729), (18, 5771), (21, 5786), (22, 5789), (24, 5819), (28, 5846), (30, 5855), (31, 5861), (33, 5867), (35, 5891), (43, 5981), (44, 6005), (47, 6023), (51, 6032), (59, 6080), (62, 6095), (72, 6125), (73, 6131), (75, 6140), (81, 6158), (Start: 90 @6200 has 7 MA's), (94, 6215), (98, 6230), (Start: 101 @6236 has 1 MA's), (Start: 103 @6239 has 1 MA's), (Start: 121 @6296 has 28 MA's), (Start: 128 @6314 has 1 MA's), (Start: 129 @6320 has 2 MA's), (130, 6326), (Start: 138 @6347 has 45 MA's), (152, 6383), (169, 6437), (199, 6548), (200, 6554), (213, 6602), (221, 6620), (227, 6644), (228, 6650),

Gene: RedMaple_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for RedMaple_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (203, 4247), (204, 4250), (206, 4256), (208, 4262),

Gene: Reprobate_9 Start: 6540, Stop: 6941, Start Num: 126

Candidate Starts for Reprobate_9:

(Start: 126 @6540 has 11 MA's), (Start: 129 @6552 has 2 MA's), (130, 6558), (131, 6561), (Start: 138 @6579 has 45 MA's), (167, 6663), (177, 6699), (185, 6714), (193, 6747), (196, 6756), (199, 6780), (228, 6882), (233, 6918),

Gene: Rhinoforte_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Rhinoforte_11:

(96, 7342), (100, 7351), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (187, 7594), (188, 7597), (191, 7612), (192, 7615), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Rich_9 Start: 6268, Stop: 6669, Start Num: 126

Candidate Starts for Rich_9:

(Start: 126 @6268 has 11 MA's), (Start: 132 @6295 has 6 MA's), (152, 6343), (167, 6391), (185, 6442), (193, 6475), (196, 6484), (199, 6508), (207, 6544), (233, 6646),

Gene: Ricotta_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Ricotta_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Riggan_7 Start: 3969, Stop: 4415, Start Num: 118

Candidate Starts for Riggan_7:

(Start: 90 @3882 has 7 MA's), (Start: 118 @3969 has 244 MA's), (158, 4080), (196, 4206), (199, 4230), (204, 4257), (206, 4263), (208, 4269), (228, 4344),

Gene: Rimu_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for Rimu_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (Start: 132 @4009 has 6 MA's), (196, 4198), (199, 4222), (204, 4249), (205, 4252), (206, 4255), (208, 4261), (228, 4336),

Gene: Rita1961_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for Rita1961_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: Rizwana_15 Start: 8050, Stop: 8361, Start Num: 132

Candidate Starts for Rizwana_15:

(Start: 132 @8050 has 6 MA's), (Start: 139 @8053 has 2 MA's), (180, 8155), (198, 8224), (228, 8332),

Gene: RobinRose_21 Start: 6973, Stop: 7317, Start Num: 133

Candidate Starts for RobinRose_21:

(19, 6388), (40, 6532), (93, 6844), (Start: 133 @6973 has 8 MA's), (149, 7003), (153, 7009), (159, 7030), (168, 7060), (194, 7138), (210, 7216), (228, 7282), (230, 7291),

Gene: Robyn_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for Robyn_7:

(Start: 90 @3880 has 7 MA's), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267),

Gene: RogerDodger_12 Start: 5508, Stop: 5822, Start Num: 150

Candidate Starts for RogerDodger_12:

(53, 5157), (Start: 127 @5445 has 1 MA's), (Start: 150 @5508 has 25 MA's), (198, 5664), (199, 5670),

Gene: Roliet_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Roliet_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: RomaT_10 Start: 6712, Stop: 7047, Start Num: 138

Candidate Starts for RomaT_10:

(Start: 138 @6712 has 45 MA's), (159, 6754), (162, 6766), (167, 6781), (171, 6799), (193, 6856), (206, 6922), (212, 6943), (225, 6979), (228, 6991), (233, 7027),

Gene: RomansRevenge_12 Start: 6049, Stop: 6360, Start Num: 132

Candidate Starts for RomansRevenge_12:

(Start: 132 @6049 has 6 MA's), (178, 6148), (228, 6331),

Gene: Romm_21 Start: 6973, Stop: 7317, Start Num: 133

Candidate Starts for Romm_21:

(19, 6388), (40, 6532), (93, 6844), (Start: 133 @6973 has 8 MA's), (149, 7003), (153, 7009), (159, 7030), (168, 7060), (194, 7138), (210, 7216), (228, 7282), (230, 7291),

Gene: Roscoe_8 Start: 4200, Stop: 4646, Start Num: 118

Candidate Starts for Roscoe_8:

(61, 3987), (Start: 65 @4002 has 3 MA's), (69, 4017), (73, 4026), (78, 4047), (88, 4107), (Start: 90 @4113 has 7 MA's), (Start: 118 @4200 has 244 MA's), (Start: 132 @4248 has 6 MA's), (158, 4311), (196, 4437), (199, 4461), (204, 4488), (205, 4491), (206, 4494), (208, 4500), (228, 4575),

Gene: Rosebush_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for Rosebush_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Rowlf_17 Start: 7306, Stop: 7644, Start Num: 137

Candidate Starts for Rowlf_17:

(Start: 137 @7306 has 31 MA's), (142, 7315), (157, 7354), (159, 7363), (210, 7549), (228, 7615), (230, 7624),

Gene: Roy17_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Roy17_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: RubyRalph_22 Start: 7934, Stop: 8275, Start Num: 137

Candidate Starts for RubyRalph_22:

(3, 6794), (10, 7055), (16, 7304), (17, 7316), (93, 7802), (Start: 137 @7934 has 31 MA's), (159, 7991), (186, 8063), (210, 8177), (228, 8243), (229, 8246), (230, 8252),

Gene: Rudy_19 Start: 7540, Stop: 7878, Start Num: 137

Candidate Starts for Rudy_19:

(Start: 137 @7540 has 31 MA's), (142, 7549), (159, 7597), (228, 7849), (230, 7858),

Gene: SDcharge11_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for SDcharge11_7:

(88, 3871), (Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: Sabella_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Sabella_11:

(96, 7225), (100, 7234), (112, 7276), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: SadLad_23 Start: 8391, Stop: 8732, Start Num: 137

Candidate Starts for SadLad_23:

(16, 7761), (17, 7773), (93, 8259), (Start: 137 @8391 has 31 MA's), (159, 8448), (186, 8520), (210, 8634), (228, 8700), (229, 8703), (230, 8709),

Gene: Saguaro_10 Start: 7187, Stop: 7600, Start Num: 121

Candidate Starts for Saguaro_10:

(91, 7094), (94, 7103), (Start: 101 @7127 has 1 MA's), (Start: 103 @7130 has 1 MA's), (Start: 121 @7187 has 28 MA's), (Start: 138 @7238 has 45 MA's), (143, 7247), (183, 7370), (189, 7385), (192, 7403), (198, 7433), (199, 7439), (204, 7466), (211, 7490), (213, 7493),

Gene: SallyK_22 Start: 8701, Stop: 9039, Start Num: 137

Candidate Starts for SallyK_22:

(10, 7846), (16, 8095), (71, 8470), (Start: 137 @8701 has 31 MA's), (142, 8710), (159, 8758), (228, 9010), (230, 9019),

Gene: Salvador_11 Start: 5123, Stop: 5437, Start Num: 150

Candidate Starts for Salvador_11:

(Start: 127 @5060 has 1 MA's), (Start: 150 @5123 has 25 MA's), (198, 5279), (199, 5285),

Gene: Samaymay_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Samaymay_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: SassyCat97_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for SassyCat97_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Savbucketdawg_11 Start: 4956, Stop: 5270, Start Num: 150

Candidate Starts for Savbucketdawg_11:

(Start: 150 @4956 has 25 MA's), (198, 5112), (199, 5118),

Gene: Schadenfreude_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Schadenfreude_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Schueller_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Schueller_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Scoot17C_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Scoot17C_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Scrick_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Scrick_7:

(61, 3753), (Start: 65 @3768 has 3 MA's), (69, 3783), (73, 3792), (78, 3813), (88, 3873), (Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (Start: 132 @4014 has 6 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (205, 4257), (206, 4260), (208, 4266), (228, 4341),

Gene: Sejanus_6 Start: 3671, Stop: 4078, Start Num: 119

Candidate Starts for Sejanus_6:

(109, 3638), (Start: 119 @3671 has 5 MA's), (Start: 132 @3716 has 6 MA's), (Start: 141 @3734 has 5 MA's), (144, 3743), (151, 3761), (152, 3764), (158, 3779), (190, 3878), (192, 3893), (197, 3908), (203, 3953), (206, 3962), (208, 3968), (231, 4043),

Gene: Selr12_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Selr12_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (Start: 132 @4013 has 6 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Serendipitous_9 Start: 6319, Stop: 6720, Start Num: 126

Candidate Starts for Serendipitous_9:

(Start: 126 @6319 has 11 MA's), (Start: 132 @6346 has 6 MA's), (152, 6394), (167, 6442), (177, 6478), (185, 6493), (193, 6526), (196, 6535), (199, 6559), (232, 6691), (233, 6697),

Gene: Serendipity_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Serendipity_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Serpentine_007 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Serpentine_007:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Shatter_7 Start: 4953, Stop: 5276, Start Num: 146

Candidate Starts for Shatter_7:

(102, 4833), (Start: 140 @4941 has 1 MA's), (Start: 146 @4953 has 11 MA's), (151, 4959), (154, 4965), (155, 4968), (157, 4971), (162, 4992), (164, 4998), (171, 5025), (185, 5052), (187, 5058), (206, 5148), (232, 5247),

Gene: Sheila_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Sheila_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: ShiVal_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for ShiVal_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Shinji_11 Start: 5145, Stop: 5459, Start Num: 150

Candidate Starts for Shinji_11:

(Start: 150 @5145 has 25 MA's), (198, 5301), (199, 5307),

Gene: Sigman_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Sigman_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: SilentRX_17 Start: 8205, Stop: 8516, Start Num: 139

Candidate Starts for SilentRX_17:

(105, 8109), (Start: 132 @8202 has 6 MA's), (Start: 139 @8205 has 2 MA's), (Start: 148 @8217 has 1 MA's), (153, 8223), (223, 8460), (228, 8484),

Gene: Sillytadpoles_21 Start: 7538, Stop: 7876, Start Num: 137

Candidate Starts for Sillytadpoles_21:

(Start: 137 @7538 has 31 MA's), (142, 7547), (159, 7595), (228, 7847), (230, 7856),

Gene: Simielle_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Simielle_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: SirJeffery_9 Start: 6267, Stop: 6668, Start Num: 126

Candidate Starts for SirJeffery_9:

(Start: 126 @6267 has 11 MA's), (Start: 132 @6294 has 6 MA's), (Start: 138 @6306 has 45 MA's), (152, 6342), (167, 6390), (185, 6441), (193, 6474), (196, 6483), (199, 6507), (232, 6639), (233, 6645),

Gene: Sisko_6 Start: 4758, Stop: 5081, Start Num: 146

Candidate Starts for Sisko_6:

(Start: 140 @4746 has 1 MA's), (Start: 146 @4758 has 11 MA's), (157, 4776), (159, 4785), (162, 4797), (164, 4803), (198, 4914), (201, 4932), (206, 4953), (232, 5052),

Gene: Skippy_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Skippy_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Slatt_7 Start: 3967, Stop: 4413, Start Num: 118

Candidate Starts for Slatt_7:

(Start: 90 @3880 has 7 MA's), (Start: 118 @3967 has 244 MA's), (158, 4078), (196, 4204), (199, 4228), (204, 4255), (206, 4261), (208, 4267), (228, 4342),

Gene: SlippinJimmy_10 Start: 6711, Stop: 7046, Start Num: 138

Candidate Starts for SlippinJimmy_10:

(Start: 138 @6711 has 45 MA's), (159, 6753), (162, 6765), (167, 6780), (171, 6798), (193, 6855), (206, 6921), (212, 6942), (225, 6978), (228, 6990), (233, 7026),

Gene: SmokingBunny_11 Start: 5123, Stop: 5437, Start Num: 150

Candidate Starts for SmokingBunny_11:

(Start: 127 @5060 has 1 MA's), (Start: 150 @5123 has 25 MA's), (198, 5279), (199, 5285),

Gene: Soile_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Soile_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264), (228, 4339),

Gene: Solosis_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Solosis_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Soos_36 Start: 17090, Stop: 17416, Start Num: 146

Candidate Starts for Soos_36:

(Start: 146 @17090 has 11 MA's), (156, 17117), (161, 17138), (196, 17249), (205, 17303), (224, 17375), (226, 17384),

Gene: Sophia_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Sophia_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Soto_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Soto_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (205, 4253), (206, 4256), (208, 4262), (228, 4337),

Gene: Sour_10 Start: 6612, Stop: 6938, Start Num: 146

Candidate Starts for Sour_10:

(Start: 140 @6600 has 1 MA's), (Start: 146 @6612 has 11 MA's), (154, 6624), (157, 6630), (161, 6648), (162, 6651), (164, 6657), (165, 6660), (171, 6684), (185, 6711), (187, 6717), (200, 6780), (219, 6837), (232, 6906),

Gene: Spartan300_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Spartan300_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Squash_23 Start: 8572, Stop: 8916, Start Num: 137

Candidate Starts for Squash_23:

(Start: 137 @8572 has 31 MA's), (142, 8581), (159, 8629), (210, 8815), (228, 8881), (230, 8890),

Gene: Squid_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Squid_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Squiggle_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Squiggle_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: StAugustine_14 Start: 8961, Stop: 9371, Start Num: 121

Candidate Starts for StAugustine_14:

(29, 8484), (34, 8511), (36, 8535), (38, 8550), (39, 8556), (42, 8589), (50, 8670), (58, 8718), (62, 8736), (74, 8778), (79, 8802), (85, 8832), (104, 8904), (107, 8919), (Start: 121 @8961 has 28 MA's), (Start: 138 @9012 has 45 MA's), (181, 9144), (198, 9207), (199, 9213), (210, 9261),

Gene: Statler_22 Start: 8077, Stop: 8421, Start Num: 137

Candidate Starts for Statler_22:

(71, 7846), (Start: 137 @8077 has 31 MA's), (142, 8086), (159, 8134), (210, 8320), (228, 8386), (230, 8395),

Gene: Sting_39 Start: 17529, Stop: 17855, Start Num: 146

Candidate Starts for Sting_39:

(Start: 146 @17529 has 11 MA's), (156, 17556), (161, 17577), (196, 17688), (205, 17742), (224, 17814), (226, 17823),

Gene: Stinger_6 Start: 4739, Stop: 5161, Start Num: 121

Candidate Starts for Stinger_6:

(Start: 121 @4739 has 28 MA's), (Start: 128 @4757 has 1 MA's), (Start: 129 @4763 has 2 MA's), (Start: 138 @4790 has 45 MA's), (169, 4880), (177, 4910), (189, 4937), (190, 4940), (193, 4958), (199, 4991), (213, 5045), (228, 5093), (232, 5123),

Gene: StinkyVeggy_10 Start: 6414, Stop: 6836, Start Num: 126

Candidate Starts for StinkyVeggy_10:

(Start: 126 @6414 has 11 MA's), (131, 6435), (Start: 132 @6441 has 6 MA's), (Start: 141 @6459 has 5 MA's), (167, 6537), (183, 6585), (193, 6621), (196, 6630), (199, 6654), (206, 6687), (215, 6726), (217, 6732), (233, 6813),

Gene: StrawberryJamm_23 Start: 7840, Stop: 8178, Start Num: 137

Candidate Starts for StrawberryJamm_23:

(Start: 137 @7840 has 31 MA's), (142, 7849), (159, 7897), (228, 8149), (230, 8158),

Gene: Struggle_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Struggle_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Suffolk_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Suffolk_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (158, 4075), (196, 4201), (199, 4225), (204, 4252), (206, 4258), (208, 4264),

Gene: Suigeneris_9 Start: 6267, Stop: 6668, Start Num: 126

Candidate Starts for Suigeneris_9:

(Start: 126 @6267 has 11 MA's), (Start: 132 @6294 has 6 MA's), (Start: 138 @6306 has 45 MA's), (152, 6342), (167, 6390), (185, 6441), (193, 6474), (196, 6483), (199, 6507), (232, 6639), (233, 6645),

Gene: Surely_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Surely_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Swiphy_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Swiphy_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (205, 4256), (206, 4259), (208, 4265), (228, 4340),

Gene: Swish_7 Start: 3879, Stop: 4412, Start Num: 90

Candidate Starts for Swish_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: SynergyX_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for SynergyX_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: TA17A_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for TA17A_11:

(96, 7225), (100, 7234), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (187, 7477), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: TPA2_16 Start: 7599, Stop: 7940, Start Num: 137

Candidate Starts for TPA2_16:

(117, 7536), (Start: 137 @7599 has 31 MA's), (159, 7644), (161, 7653), (162, 7656), (165, 7665), (171, 7689), (185, 7716), (199, 7782), (206, 7815), (227, 7878), (232, 7914), (234, 7929), (236, 7935),

Gene: TallGrassMM_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for TallGrassMM_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Tank_16 Start: 8065, Stop: 8376, Start Num: 132

Candidate Starts for Tank_16:

(105, 7972), (Start: 132 @8065 has 6 MA's), (Start: 139 @8068 has 2 MA's), (195, 8218), (198, 8239), (199, 8245), (223, 8323), (228, 8347),

Gene: Taptic_5 Start: 2882, Stop: 3286, Start Num: 121

Candidate Starts for Taptic_5:

(Start: 121 @2882 has 28 MA's), (Start: 127 @2897 has 1 MA's), (Start: 132 @2921 has 6 MA's), (Start: 146 @2951 has 11 MA's), (174, 3044), (200, 3128), (208, 3161), (219, 3185), (220, 3191), (232,

3251),

Gene: Teehee_22 Start: 8775, Stop: 9113, Start Num: 137

Candidate Starts for Teehee_22:

(Start: 137 @8775 has 31 MA's), (142, 8784), (159, 8832), (228, 9084), (230, 9093),

Gene: Telesworld_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Telesworld_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Tempo_20 Start: 7165, Stop: 7509, Start Num: 133

Candidate Starts for Tempo_20:

(93, 7036), (Start: 133 @7165 has 8 MA's), (149, 7195), (153, 7201), (159, 7222), (168, 7252), (194, 7330), (210, 7408), (228, 7474), (230, 7483),

Gene: Thonko_6 Start: 3289, Stop: 3702, Start Num: 120

Candidate Starts for Thonko_6:

(80, 3148), (Start: 120 @3289 has 1 MA's), (136, 3340), (Start: 138 @3343 has 45 MA's), (143, 3352), (189, 3490), (198, 3538), (199, 3544), (201, 3556), (204, 3571), (206, 3577), (222, 3619), (224, 3628),

Gene: Thora_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Thora_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: ThreeOh3D2_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for ThreeOh3D2_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Thunderbird_7 Start: 3964, Stop: 4410, Start Num: 118

Candidate Starts for Thunderbird_7:

(Start: 90 @3877 has 7 MA's), (Start: 118 @3964 has 244 MA's), (Start: 132 @4012 has 6 MA's), (196, 4201), (199, 4225), (204, 4252), (205, 4255), (206, 4258), (208, 4264), (228, 4339),

Gene: TillyBobJoe_11 Start: 4959, Stop: 5273, Start Num: 150

Candidate Starts for TillyBobJoe_11:

(Start: 150 @4959 has 25 MA's), (198, 5115), (199, 5121),

Gene: Timmi_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Timmi_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Tinciduntolum_12 Start: 7479, Stop: 7817, Start Num: 145

Candidate Starts for Tinciduntolum_12:

(96, 7341), (100, 7350), (112, 7392), (115, 7398), (Start: 145 @7479 has 32 MA's), (152, 7494), (164, 7533), (171, 7560), (179, 7578), (185, 7587), (188, 7596), (191, 7611), (193, 7617), (221, 7722), (224, 7734), (233, 7788),

Gene: Tissue_20 Start: 7909, Stop: 8253, Start Num: 137

Candidate Starts for Tissue_20:

(Start: 137 @7909 has 31 MA's), (142, 7918), (159, 7966), (210, 8152), (228, 8218), (230, 8227),

Gene: Togo_11 Start: 5123, Stop: 5437, Start Num: 150

Candidate Starts for Togo_11:

(Start: 127 @5060 has 1 MA's), (Start: 150 @5123 has 25 MA's), (198, 5279), (199, 5285),

Gene: TomBombadil_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for TomBombadil_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Tomlarah_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Tomlarah_7:

(61, 3752), (Start: 65 @3767 has 3 MA's), (69, 3782), (73, 3791), (78, 3812), (88, 3872), (Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Toni_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Toni_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266),

Gene: Tooj_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Tooj_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Tres_11 Start: 7363, Stop: 7701, Start Num: 145

Candidate Starts for Tres_11:

(96, 7225), (100, 7234), (115, 7282), (Start: 145 @7363 has 32 MA's), (152, 7378), (164, 7417), (171, 7444), (179, 7462), (185, 7471), (188, 7480), (191, 7495), (193, 7501), (221, 7606), (224, 7618), (233, 7672),

Gene: True_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for True_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Trypo_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Trypo_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Twister6_11 Start: 5055, Stop: 5369, Start Num: 150

Candidate Starts for Twister6_11:

(Start: 127 @4992 has 1 MA's), (Start: 150 @5055 has 25 MA's), (198, 5211), (199, 5217),

Gene: Tydolla_10 Start: 6711, Stop: 7046, Start Num: 138

Candidate Starts for Tydolla_10:

(Start: 138 @6711 has 45 MA's), (159, 6753), (162, 6765), (167, 6780), (171, 6798), (193, 6855), (206, 6921), (212, 6942), (225, 6978), (228, 6990), (233, 7026),

Gene: TyrionL_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for TyrionL_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: UAch1_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for UAch1_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: UncleHowie_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for UncleHowie_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Usavi_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Usavi_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Vaishali24_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Vaishali24_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Valary_12 Start: 5508, Stop: 5822, Start Num: 150

Candidate Starts for Valary_12:

(53, 5157), (Start: 127 @5445 has 1 MA's), (Start: 150 @5508 has 25 MA's), (198, 5664), (199, 5670),

Gene: Valjean_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Valjean_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: VanDeWege_12 Start: 5436, Stop: 5750, Start Num: 150

Candidate Starts for VanDeWege_12:

(Start: 127 @5373 has 1 MA's), (Start: 150 @5436 has 25 MA's), (198, 5592), (199, 5598),

Gene: Vaticameos_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Vaticameos_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Veritas_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Veritas_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Viceroy_20 Start: 7540, Stop: 7878, Start Num: 137

Candidate Starts for Viceroy_20:

(Start: 137 @7540 has 31 MA's), (142, 7549), (159, 7597), (228, 7849), (230, 7858),

Gene: Vincenzo_9 Start: 6977, Stop: 7429, Start Num: 111

Candidate Starts for Vincenzo_9:

(Start: 111 @6977 has 2 MA's), (Start: 121 @7007 has 28 MA's), (Start: 128 @7025 has 1 MA's), (172, 7160), (175, 7175), (199, 7259), (200, 7265), (206, 7292), (209, 7298), (217, 7316),

Gene: VioletZ_8 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for VioletZ_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (81, 6164), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Virapocalypse_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Virapocalypse_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263),

Gene: Virgeve_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Virgeve_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Vista_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Vista_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Vivaldi_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Vivaldi_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: Vortex_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Vortex_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Waleliano_8 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for Waleliano_8:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (34, 5879), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (60, 6095), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (87, 6191), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169, 6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Wallhey_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Wallhey_7:

(61, 3749), (Start: 65 @3764 has 3 MA's), (69, 3779), (73, 3788), (78, 3809), (88, 3869), (Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (Start: 132 @4010 has 6 MA's), (158, 4073),

(196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Waterdiva_7 Start: 3966, Stop: 4412, Start Num: 118

Candidate Starts for Waterdiva_7:

(Start: 90 @3879 has 7 MA's), (Start: 118 @3966 has 244 MA's), (158, 4077), (196, 4203), (199, 4227), (204, 4254), (206, 4260), (208, 4266), (228, 4341),

Gene: Wayne3_22 Start: 8505, Stop: 8843, Start Num: 137

Candidate Starts for Wayne3_22:

(10, 7650), (16, 7899), (19, 7944), (71, 8274), (Start: 137 @8505 has 31 MA's), (142, 8514), (159, 8562), (228, 8814), (230, 8823),

Gene: Weher20_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for Weher20_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: West99_11 Start: 7480, Stop: 7818, Start Num: 145

Candidate Starts for West99_11:

(96, 7342), (100, 7351), (112, 7393), (115, 7399), (Start: 145 @7480 has 32 MA's), (152, 7495), (164, 7534), (171, 7561), (179, 7579), (185, 7588), (188, 7597), (191, 7612), (193, 7618), (221, 7723), (224, 7735), (233, 7789),

Gene: Wheelie_20 Start: 7856, Stop: 8194, Start Num: 137

Candidate Starts for Wheelie_20:

(10, 7001), (16, 7250), (19, 7295), (71, 7625), (Start: 137 @7856 has 31 MA's), (142, 7865), (159, 7913), (228, 8165), (230, 8174),

Gene: Wilca_20 Start: 7061, Stop: 7405, Start Num: 133

Candidate Starts for Wilca_20:

(93, 6932), (Start: 133 @7061 has 8 MA's), (159, 7118), (168, 7148), (194, 7226), (228, 7370), (230, 7379),

Gene: Wilde_16 Start: 7993, Stop: 8304, Start Num: 132

Candidate Starts for Wilde_16:

(105, 7900), (Start: 132 @7993 has 6 MA's), (Start: 139 @7996 has 2 MA's), (195, 8146), (198, 8167), (199, 8173), (223, 8251), (228, 8275),

Gene: Windsor_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Windsor_7:

(61, 3750), (Start: 65 @3765 has 3 MA's), (69, 3780), (73, 3789), (78, 3810), (88, 3870), (Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (Start: 132 @4011 has 6 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (205, 4254), (206, 4257), (208, 4263), (228, 4338),

Gene: Wizard_11 Start: 5251, Stop: 5565, Start Num: 150

Candidate Starts for Wizard_11:

(Start: 127 @5188 has 1 MA's), (Start: 150 @5251 has 25 MA's), (198, 5407), (199, 5413),

Gene: Wooper_9 Start: 6416, Stop: 6754, Start Num: 141

Candidate Starts for Wooper_9:

(99, 6293), (106, 6311), (113, 6338), (Start: 120 @6359 has 1 MA's), (125, 6371), (131, 6392), (Start: 141 @6416 has 5 MA's), (151, 6434), (159, 6455), (162, 6467), (164, 6473), (171, 6500), (200, 6599), (206, 6626), (221, 6665), (232, 6725), (234, 6740),

Gene: Xavier_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Xavier_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Yago84_6 Start: 4755, Stop: 5090, Start Num: 140

Candidate Starts for Yago84_6:

(Start: 140 @4755 has 1 MA's), (Start: 146 @4767 has 11 MA's), (157, 4785), (159, 4794), (162, 4806), (164, 4812), (198, 4923), (201, 4941), (206, 4962), (232, 5061),

Gene: Yahalom_10 Start: 5950, Stop: 6285, Start Num: 138

Candidate Starts for Yahalom_10:

(Start: 138 @5950 has 45 MA's), (159, 5992), (162, 6004), (167, 6019), (171, 6037), (193, 6094), (206, 6160), (212, 6181), (225, 6217), (228, 6229), (233, 6265),

Gene: Yinz_10 Start: 5976, Stop: 6311, Start Num: 138

Candidate Starts for Yinz_10:

(Start: 138 @5976 has 45 MA's), (159, 6018), (162, 6030), (167, 6045), (171, 6063), (193, 6120), (206, 6186), (212, 6207), (225, 6243), (228, 6255), (233, 6291),

Gene: Yoshand_7 Start: 3963, Stop: 4409, Start Num: 118

Candidate Starts for Yoshand_7:

(Start: 90 @3876 has 7 MA's), (Start: 118 @3963 has 244 MA's), (158, 4074), (196, 4200), (199, 4224), (204, 4251), (206, 4257), (208, 4263), (228, 4338),

Gene: YouGoGlencoco_7 Start: 3962, Stop: 4408, Start Num: 118

Candidate Starts for YouGoGlencoco_7:

(Start: 90 @3875 has 7 MA's), (Start: 118 @3962 has 244 MA's), (158, 4073), (196, 4199), (199, 4223), (204, 4250), (206, 4256), (208, 4262), (228, 4337),

Gene: Zagie_21 Start: 8043, Stop: 8381, Start Num: 137

Candidate Starts for Zagie_21:

(Start: 137 @8043 has 31 MA's), (142, 8052), (157, 8091), (159, 8100), (210, 8286), (228, 8352), (230, 8361),

Gene: Zaider_8 Start: 4195, Stop: 4641, Start Num: 118

Candidate Starts for Zaider_8:

(Start: 90 @4108 has 7 MA's), (Start: 118 @4195 has 244 MA's), (158, 4306), (196, 4432), (199, 4456), (204, 4483), (206, 4489), (208, 4495), (228, 4570),

Gene: Zelda_7 Start: 3965, Stop: 4411, Start Num: 118

Candidate Starts for Zelda_7:

(Start: 90 @3878 has 7 MA's), (Start: 118 @3965 has 244 MA's), (158, 4076), (196, 4202), (199, 4226), (204, 4253), (206, 4259), (208, 4265), (228, 4340),

Gene: Zemanar_9 Start: 6302, Stop: 6721, Start Num: 121

Candidate Starts for Zemanar_9:

(18, 5774), (21, 5789), (22, 5792), (24, 5822), (28, 5849), (30, 5858), (31, 5864), (33, 5870), (35, 5894), (43, 5984), (44, 6008), (46, 6020), (59, 6086), (62, 6101), (72, 6131), (73, 6137), (75, 6146), (81, 6164), (Start: 90 @6206 has 7 MA's), (94, 6221), (98, 6236), (Start: 101 @6242 has 1 MA's), (Start: 103 @6245 has 1 MA's), (Start: 121 @6302 has 28 MA's), (Start: 128 @6320 has 1 MA's), (Start: 129 @6326 has 2 MA's), (130, 6332), (Start: 138 @6353 has 45 MA's), (152, 6389), (169,

6443), (199, 6554), (200, 6560), (204, 6581), (213, 6608), (221, 6626), (227, 6650), (228, 6656),

Gene: Zenteno07_12 Start: 5148, Stop: 5579, Start Num: 114

Candidate Starts for Zenteno07_12:

(70, 4974), (Start: 114 @5148 has 1 MA's), (Start: 118 @5154 has 244 MA's), (Start: 132 @5199 has 6 MA's), (184, 5343), (204, 5439), (221, 5484), (228, 5514),

Gene: Zhafia_24 Start: 8281, Stop: 8625, Start Num: 137

Candidate Starts for Zhafia_24:

(71, 8050), (Start: 137 @8281 has 31 MA's), (142, 8290), (159, 8338), (210, 8524), (228, 8590), (230, 8599),

Gene: Zonia_7 Start: 3961, Stop: 4407, Start Num: 118

Candidate Starts for Zonia_7:

(Start: 90 @3874 has 7 MA's), (Start: 118 @3961 has 244 MA's), (Start: 132 @4009 has 6 MA's), (196, 4198), (199, 4222), (204, 4249), (205, 4252), (206, 4255), (208, 4261), (228, 4336),