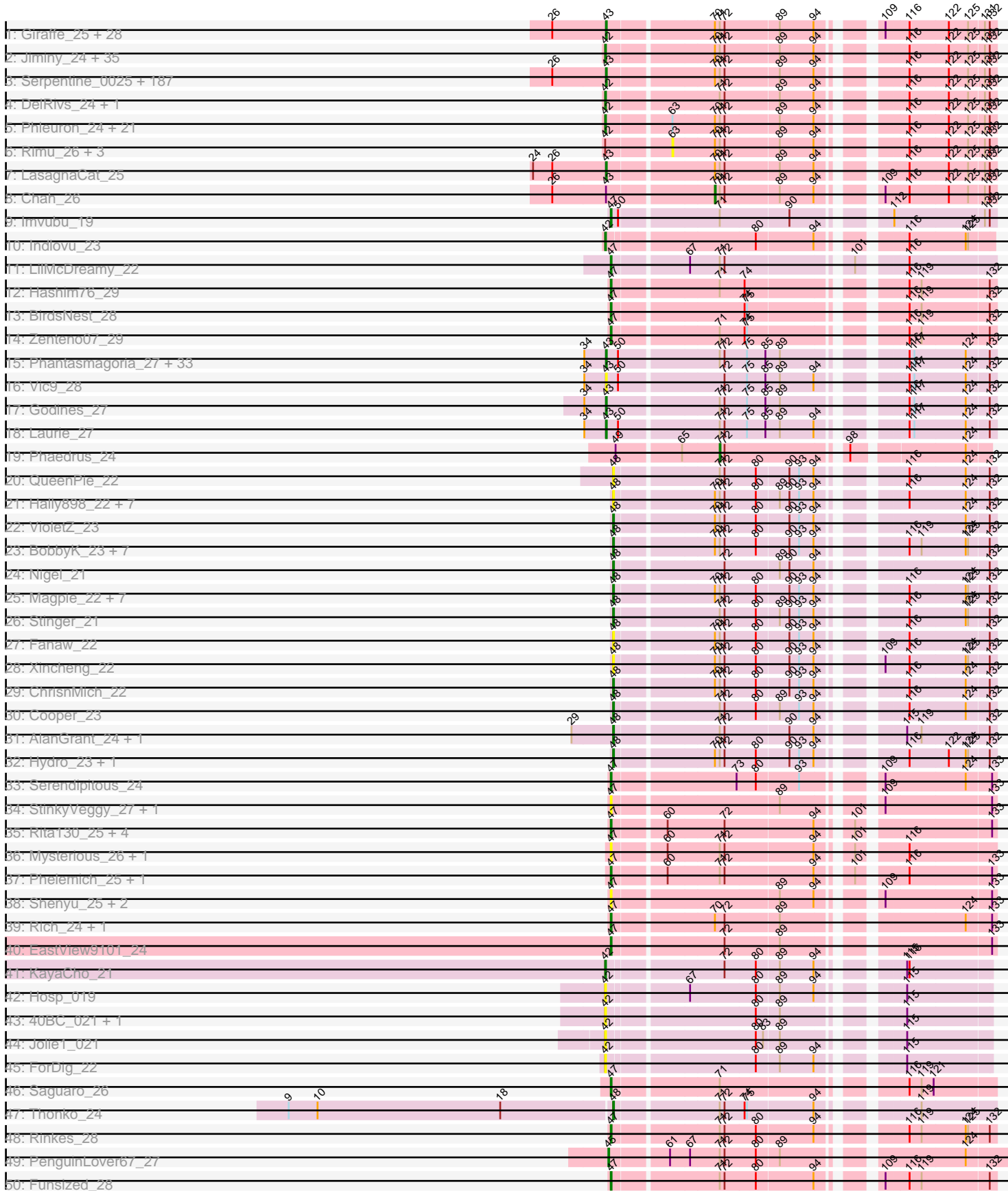
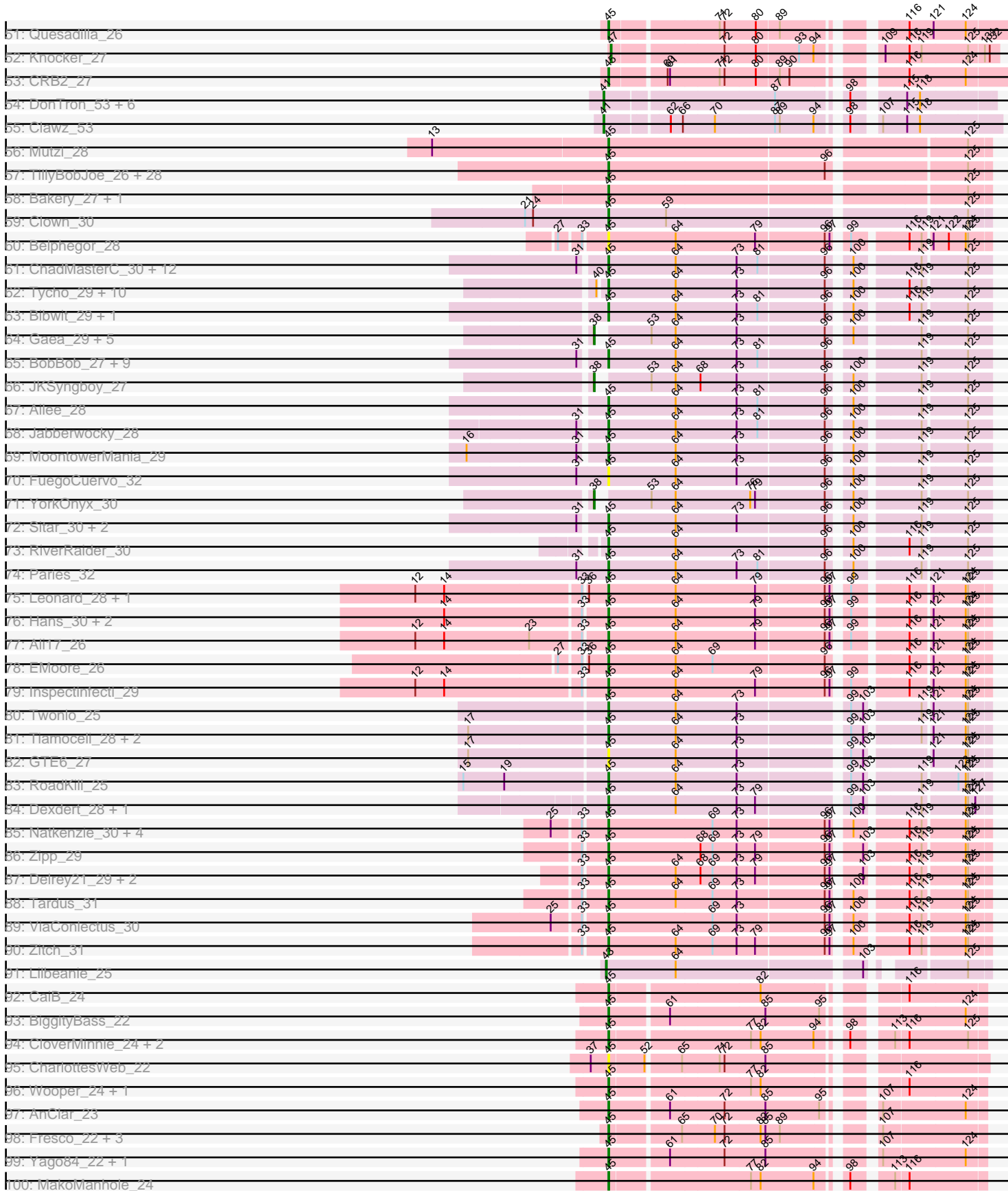


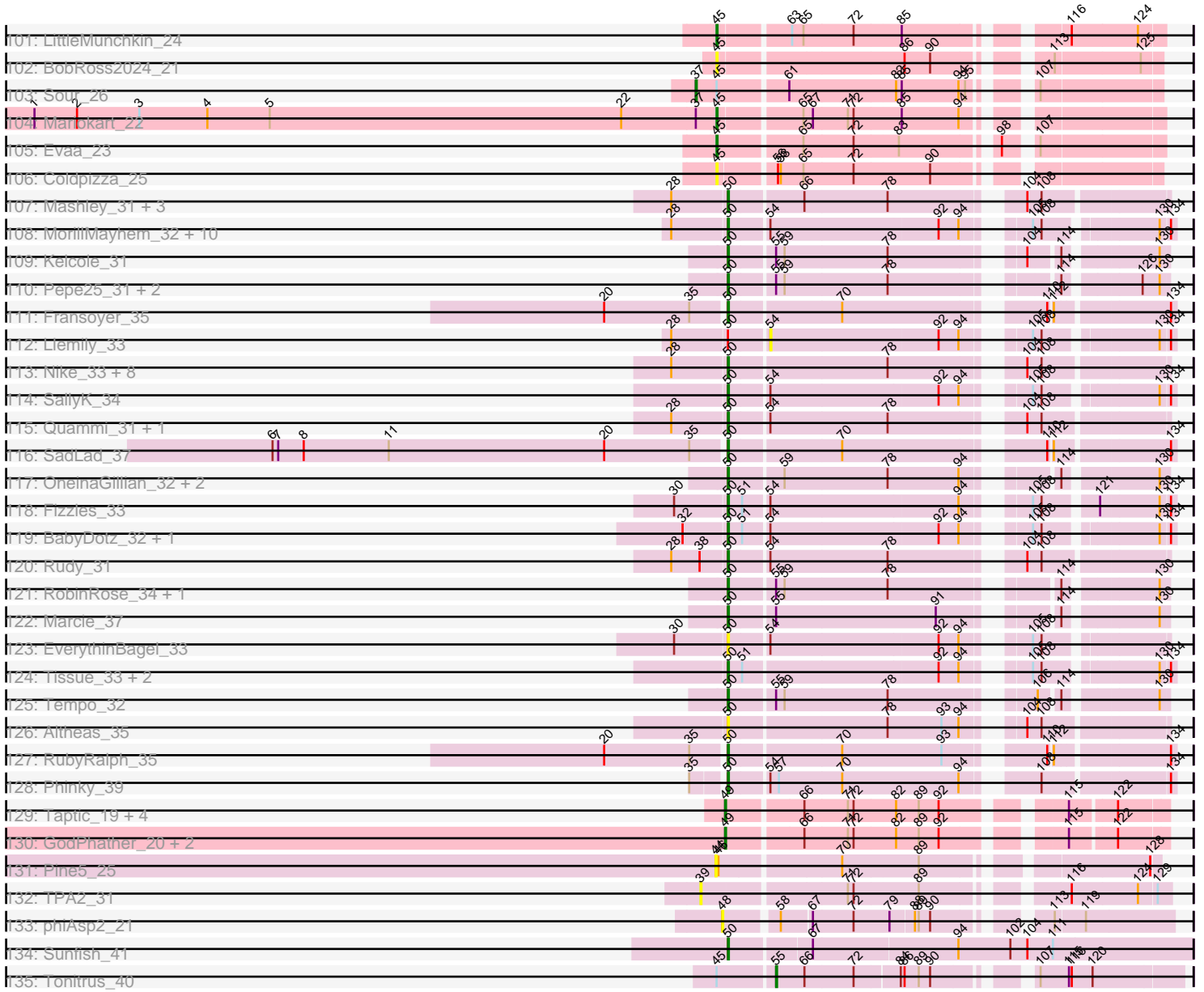
Pham 202549



Pham 202549



Pham 202549



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 202549 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202549 has 606 members, 96 are drafts.

Phages represented in each track:

- Track 1 : Giraffe_25, Hetaeria_25, Oosterbaan_25, Usavi_25, Cosmolli16_24, Pipsqueak_25, Mana_24, Scoot17C_25, LostAndPhound_24, HighStump_24, Orion_25, Megatron_25, Grand2040_24, Chorkpop_25, Kikipoo_25, DoesntMatter_25, Kahve_24, LeiMonet_25, TallGrassMM_25, IsaacEli_25, MRabcd_24, Lasso_25, UAch1_25, Potter_24, Morty_25, FugateOSU_24, Vista_25, Placalicious_24, PG1_25
- Track 2 : Jiminy_24, DuchessDung_23, Derpp_24, Caspiboi_26, MrPhizzler_24, Oline_24, Maskar_24, TyrionL_24, Zonia_25, Hocus_24, Trypo_25, Etaye_25, Doddsville_25, Duggie_24, JakeO_24, JDog_24, Ashraf_24, ImtiyazSitla_24, Durga_25, Swiphy_26, GeneCoco_25, Dati_25, DaddyDaniels_25, Longacauda_24, Wallhey_24, Schueller_25, Kwksand96_24, Brilliant_25, Struggle_24, Weher20_25, Vaishali24_24, PhatLouie_25, Melc17_25, Labeouficaum_24, CharlieGBrown_24, Pinkman_24
- Track 3 : Serpentine_0025, Haimas_25, Banjo_24, Mikota_25, Nacho_0025, Murdoc_25, Chunky_25, Adriana_25, Nicole21_25, Frankicide_25, Kimbrough_25, Lumine_24, Maru_24, Burr_24, Selr12_25, Inchworm_25, OliverWalter_25, Valjean_25, Matalotodo_25, KingVeVeVe_25, UncleHowie_25, Olive_25, Iridoclysis_25, Gyarad_0025, Zelda_25, EmpTee_25, Mecca_24, Eugenia_25, Mulan_24, Prickles_25, FluffyNinja_25, Pherdinand_25, Thora_25, LuckyMarjie_24, Orwigg_25, AngelCake_24, Altwerkus_24, DirtJuice_25, Basato_26, Boehler_25, Thunderbird_24, KLucky39_25, Cher_24, Buckeye_25, Gwilliam_25, Skippy_25, SDcharge11_25, Antonia_24, Gareth_24, Megamind20_25, Newman_25, Kwadwo_24, Simielle_24, Manad_24, Squid_25, Daffy_25, Cornobble_24, Freya_24, ABU_25, Numberten_25, Hamish_25, Andre_25, ThreeOh3D2_25, BlackStallion_25, Yoshand_25, Mcshane_24, Schadenfreude_24, Haleema_24, Scrick_25, MitKao_25, Swish_25, Bishoperium_24, Mutante_24, Serendipity_25, Sigman_25, Roy17_25, Lulwa_25, CheetO_25, Emiris_25, Spartan300_25, Bluephacebaby_24, Dingo_25, Xavier_24, LeeLot_25, KlimbOn_25, BlueHusk_25, PhrodoBaggins_24, Suffolk_25, PinheadLarry_25, Beaglebox_24, Jillium_24, Sophia_24, Lopsy_24, Surely_25, Slatt_25, Toni_24, Mosaic_24, ProfessorX_25, Solosis_24, Jesabah_25, Virapocalypse_25, Crownjwl_25, Roliet_25, Harvey_25, Plmatters_25, Telesworld_24, Charles1_25, SassyCat97_24, Badfish_25, Hertubise_25, QueenBeane_25, Cobra_25, Childish_24, Fozzie_24, Omniscient_25, MiniBoss_25, Ricotta_24, Held_25, JangoPhett_25, Lego3393_25, Horchata_25, Lulumae_24, Pops_25, Nyala_24, Colbert_25, Phareon_25, AbsoluteMadLad_24, Inverness_25, Fang_25, SilverBell_25, YouGoGlencoco_25, Quisquilliae_25, Waterdiva_25, LemonSlice_25, DonSanchon_24, Legolas_24, Cannibal_25, Gophee_25,

HSavage_25, Eremos_25, Morgushi_25, Dice_24, JacAttac_25, Carthage_23, Riggan_25, Puhltonio_25, Dione_24, Sheila_25, Mesh1_25, Samaymay_25, Timmi_24, True_24, Katniss_25, Daka_25, Squiggle_25, TomBombadil_25, AltPhacts_25, Phipps_25, Kloppinator_25, Craff_25, PhatCats2014_25, Soto_25, Zaider_26, Piglet_0024, Roscoe_26, CamL_25, HenryJackson_24, Phunky_25, Phamished_25, Fringe_25, Vaticameos_25, Olak_24, Robyn_24, Orfeu_24, Podrick_25, FriarPreacher_25, ShiVal_25, Mesmerelda_25, CampRoach_25, Tooj_25, RedMaple_24, Pacifista_24, Anderson_25, Aelin_24, Jiraiya_25, Tomlarah_25, Vortex_25, Vivaldi_25

- Track 4 : DelRivs_24, Soile_25
- Track 5 : Phleuron_24, BatteryCK_24, Nathan_26, Phergie_24, Magic8_25, OSmaximus_25, Veritas_24, Coletti_24, Kailash_25, Chute_24, MelsMeow_24, Windsor_24, Keitherie_25, Virgeve_24, Mag7_24, PhrankReynolds_24, PhenghisKhan_24, MichaelPhcott_24, Apizium_24, Khan1_25, Hartsy_25, Chaelin_24
- Track 6 : Rimu_26, Gwennie1_25, Iridessa_25, ElvisPhasley_25
- Track 7 : LasagnaCat_25
- Track 8 : Chah_26
- Track 9 : Imvubu_19
- Track 10 : Indlovu_23
- Track 11 : LilMcDreamy_22
- Track 12 : Hashim76_29
- Track 13 : BirdsNest_28
- Track 14 : Zenteno07_29
- Track 15 : Phantasmagoria_27, Allegro_27, Sabella_27, LizLemon_27, Kheth_27, Faze9_27, Brownie5_27, Glass_27, Coffee_27, West99_27, Kaleb_27, TA17A_27, Calamitous_27, Kolhan_27, Opia_27, LilSmirk_27, Tinciduntolum_28, Tres_27, MasterPo_27, Lars_27, Bananafish_27, Eaglehorse_27, Boyle_27, Arbiter_27, Hedgerow_27, Holeinone_27, Rosebush_27, Blocker23_27, Ares_27, Qyrzula_25, Lephleur_27, FrenchFry_27, ItsyBitsy1_27, Rhinoforte_27
- Track 16 : Vic9_28
- Track 17 : Godines_27
- Track 18 : Laurie_27
- Track 19 : Phaedrus_24
- Track 20 : QueenPie_22
- Track 21 : Hally898_22, Antihero_22, Ahwei_22, Poster_22, Lambano_22, Epah_22, GinPorsche_22, Nanao_22
- Track 22 : VioletZ_23
- Track 23 : BobbyK_23, Prince_23, Mudslide_23, RawrgerThat_23, Frederick_23, Fortunato_23, Apex_23, Austelle_24
- Track 24 : Nigel_21
- Track 25 : Magpie_22, Hangman_23, Waleliano_23, BrownCNA_24, Mithril_23, JaguarMi_23, Zemanar_24, Heath_22
- Track 26 : Stinger_21
- Track 27 : Fanaw_22
- Track 28 : Xincheng_22
- Track 29 : ChrisnMich_22
- Track 30 : Cooper_23
- Track 31 : AlanGrant_24, Vincenzo_24
- Track 32 : Hydro_23, Lolalove_23
- Track 33 : Serendipitous_24
- Track 34 : StinkyVeggy_27, KarasumaRum_27
- Track 35 : Rita130_25, Acadian_25, Donny_25, Suigeneris_25, SirJeffery_25

- Track 36 : Mysterious_26, Nehemiah_24
- Track 37 : Phelemich_25, Reprobate_25
- Track 38 : Shenyu_25, DigitDog_25, Nangang_25
- Track 39 : Rich_24, Bae_24
- Track 40 : EastView9101_24
- Track 41 : KayaCho_21
- Track 42 : Hosp_019
- Track 43 : 40BC_021, 39HC_021
- Track 44 : Jolie1_021
- Track 45 : ForDig_22
- Track 46 : Saguaro_26
- Track 47 : Thonko_24
- Track 48 : Rinkes_28
- Track 49 : PenguinLover67_27
- Track 50 : Funsized_28
- Track 51 : Quesadilla_26
- Track 52 : Knocker_27
- Track 53 : CRB2_27
- Track 54 : DonTron_53, Sting_52, KingstonB_54, ColdSoup_54, Amo99_54, Jollymon_54, Soos_49
- Track 55 : Clawz_53
- Track 56 : Mutzi_28
- Track 57 : TillyBobJoe_26, Halo3_27, Gezellig_27, KimmyK_28, PinkCoffee_28, Salvador_26, Twister6_28, Arri_29, VanDeWege_29, Valary_29, Togo_26, Danyall_28, Jambalaya_26, Portcullis_26, RogerDodger_29, Evamon_26, Phlop_26, Savbucketdawg_26, Wizard_26, PullumCavea_26, Fireball_27, Fugax_28, CoveyB_29, Nubi_26, Shinji_26, SmokingBunny_26, ClamChowder_28, Barb_28, CherryCola_30
- Track 58 : Bakery_27, YungMoney_28
- Track 59 : Clown_30
- Track 60 : Belphegor_28
- Track 61 : ChadMasterC_30, Shivanishola_31, Kewpiedoll_29, Sanjuju_28, Keitabear_30, Stultus_28, Charming_30, Kamashten_29, Affeca_28, Barsten_30, Angelicage_28, Vivi2_32, Thing3_29
- Track 62 : Tycho_29, Baumdotcom_29, Ashertheman_30, Tangerine_29, Gustavo_29, LilHam_27, SchottB_28, Saronaya_29, StorminNorm_29, Kroos_30, Kwobi_30
- Track 63 : Bibwit_29, Sedona_30
- Track 64 : Gaea_29, Ribeye_30, Derg_27, Bizzy_30, Flatwoods_30, Baddon_29
- Track 65 : BobBob_27, Nordenberg_24, Brandonk123_31, Fosterous_28, McKinley_32, Tangent_30, Rofo_30, Geodirt_27, Love_33, Galadriel_30
- Track 66 : JKSyngboy_27
- Track 67 : Ailee_28
- Track 68 : Jabberwocky_28
- Track 69 : MoontowerMania_29
- Track 70 : FuegoCuervo_32
- Track 71 : YorkOnyx_30
- Track 72 : Sitar_30, Lennon_30, Fitzgerald_28
- Track 73 : RiverRaider_30
- Track 74 : Paries_32
- Track 75 : Leonard_28, Phinally_28
- Track 76 : Hans_30, Phauci_21, MelBins_29
- Track 77 : Ali17_26

- Track 78 : EMoore_26
- Track 79 : Inspectinfecti_29
- Track 80 : Twonlo_25
- Track 81 : Tiamoceli_28, EdmundFerry_26, Chickadee_27
- Track 82 : GTE6_27
- Track 83 : RoadKill_25
- Track 84 : Dextert_28, Kwekel_27
- Track 85 : Natkenzie_30, Sampson_30, Scioto_30, Abblin_30, APunk_31
- Track 86 : Zipp_29
- Track 87 : Delrey21_29, DoctorFroggo_29, Verity_29
- Track 88 : Tardus_31
- Track 89 : ViaConlectus_30
- Track 90 : Zitch_31
- Track 91 : Lilbeanie_25
- Track 92 : CaiB_24
- Track 93 : BiggityBass_22
- Track 94 : CloverMinnie_24, MossRose_24, AnarQue_24
- Track 95 : CharlottesWeb_22
- Track 96 : Wooper_24, Yeshua_24
- Track 97 : AnClar_23
- Track 98 : Fresco_22, Shatter_22, Axumite_22, Ligma_22
- Track 99 : Yago84_22, Sisko_22
- Track 100 : MakoManhole_24
- Track 101 : LittleMunchkin_24
- Track 102 : BobRoss2024_21
- Track 103 : Sour_26
- Track 104 : Mariokart_22
- Track 105 : Evaa_23
- Track 106 : Coldpizza_25
- Track 107 : Mashley_31, Gazebo_32, Blab_31, AluminumJesus_31
- Track 108 : MorillMayhem_32, Sillytadpoles_34, Phabia_33, Jehoshaphat_35, Teehee_34, Lonelysoil_32, Wheelie_32, DonaldDuck_33, Zhafia_36, Casend_34, Wayne3_34
- Track 109 : Kelcole_31
- Track 110 : Pepe25_31, Wilca_32, BirdInFrench_32
- Track 111 : Fransoyer_35
- Track 112 : Llemily_33
- Track 113 : Nike_33, Zagie_33, Hyperion_32, Grassboy_34, Squash_35, StrawberryJamm_35, Kyva_35, Namago_33, Rowlf_29
- Track 114 : SallyK_34
- Track 115 : Quammi_31, Viceroy_32
- Track 116 : SadLad_37
- Track 117 : OneinaGillian_32, Fregley_33, CandC_31
- Track 118 : Fizzles_33
- Track 119 : BabyDotz_32, Statler_35
- Track 120 : Rudy_31
- Track 121 : RobinRose_34, Romm_34
- Track 122 : Marcie_37
- Track 123 : EverythinBagel_33
- Track 124 : Tissue_33, Judebell_35, FrankDeliGuy_31
- Track 125 : Tempo_32
- Track 126 : Altheas_35
- Track 127 : RubyRalph_35

- Track 128 : Phinky_39
- Track 129 : Taptic_19, PR_19, Megabear_19, Cepens_19, D12_19
- Track 130 : GodPhather_20, Argie_20, Jeon_19
- Track 131 : Pine5_25
- Track 132 : TPA2_31
- Track 133 : phiAsp2_21
- Track 134 : Sunfish_41
- Track 135 : Tonitrus_40

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

The start number called the most often in the published annotations is 43, it was called in 242 of the 510 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_25, AbsoluteMadLad_24, Adriana_25, Aelin_24, Allegro_27, AltPhacts_25, Altwerkus_24, Anderson_25, Andre_25, AngelCake_24, Antonia_24, Arbiter_27, Ares_27, Badfish_25, Bananafish_27, Banjo_24, Basato_26, Beaglebox_24, Bishoperium_24, BlackStallion_25, Blocker23_27, BlueHusk_25, Bluephacebaby_24, Boehler_25, Boyle_27, Brownie5_27, Buckeye_25, Burr_24, Calamitous_27, CamL_25, CampRoach_25, Cannibal_25, Carthage_23, Charles1_25, CheetO_25, Cher_24, Childish_24, Chorkpop_25, Chunky_25, Cobra_25, Coffee_27, Colbert_25, Cornobble_24, Cosmolli16_24, Craff_25, Crownjwl_25, Daffy_25, Daka_25, Dice_24, Dingo_25, Dione_24, DirtJuice_25, DoesntMatter_25, DonSanchon_24, Eaglehorse_27, Emiris_25, EmpTee_25, Eremos_25, Eugenia_25, Fang_25, Faze9_27, FluffyNinja_25, Fozzie_24, Frankicide_25, FrenchFry_27, Freya_24, FriarPreacher_25, Fringe_25, FugateOSU_24, Gareth_24, Giraffe_25, Glass_27, Godines_27, Gophee_25, Grand2040_24, Gwilliam_25, Gyarad_0025, HSavage_25, Haimas_25, Haleema_24, Hamish_25, Harvey_25, Hedgerow_27, Held_25, HenryJackson_24, Hertubise_25, Hetaeria_25, HighStump_24, Holeinone_27, Horchata_25, Inchworm_25, Inverness_25, Iridoclysis_25, IsaacEli_25, ItsyBitsy1_27, JacAttac_25, JangoPhett_25, Jesabah_25, Jillium_24, Jiraiya_25, KLucky39_25, Kahve_24, Kaleb_27, Katniss_25, Kheth_27, Kikipoo_25, Kimbrough_25, KingVeVeVe_25, KlimbOn_25, Kloppinator_25, Kolhan_27, Kwadwo_24, Lars_27, LasagnaCat_25, Lasso_25, Laurie_27, LeeLot_25, Lego3393_25, Legolas_24, LeiMonet_25, LemonSlice_25, Lephleur_27, LilSmirk_27, Lilbeanie_25, LizLemon_27, Lopsy_24, LostAndPhound_24, LuckyMarjie_24, Lulumae_24, Lulwa_25, Lumine_24, MRabcd_24, Mana_24, Manad_24, Maru_24, MasterPo_27, Matalotodo_25, Mcshane_24, Mecca_24, Megamind20_25, Megatron_25, Mesh1_25, Mesmerelda_25, Mikota_25, MiniBoss_25, MitKao_25, Morgushi_25, Morty_25, Mosaic_24, Mulan_24, Murdoc_25, Mutante_24, Nacho_0025, Newman_25, Nicole21_25, Numberten_25, Nyala_24, Olak_24, Olive_25, OliverWalter_25, Omniscient_25, Oosterbaan_25, Opia_27, Orfeu_24, Orion_25, Orwig_25, PG1_25, Pacifista_24, Phamished_25, Phantasmagoria_27, Phareon_25, PhatCats2014_25, Pherdinand_25, Phipps_25, PhrodoBaggins_24, Phunky_25, Piglet_0024, PinheadLarry_25, Pipsqueak_25, Placalicious_24, Plmatters_25, Podrick_25, Pops_25, Potter_24, Prickles_25, ProfessorX_25, Puhltonio_25, QueenBeane_25, Quisquilliae_25, Qyrzula_25, RedMaple_24, Rhinoforte_27, Ricotta_24, Riggan_25, Robyn_24, Roliet_25, Roscoe_26, Rosebush_27, Roy17_25, SDcharge11_25, Sabella_27, Samaymay_25, SassyCat97_24, Schadenfreude_24, Scoot17C_25,

Scrick_25, Selr12_25, Serendipity_25, Serpentine_0025, Sheila_25, ShiVal_25, Sigman_25, SilverBell_25, Simielle_24, Skippy_25, Slatt_25, Solosis_24, Sophia_24, Soto_25, Spartan300_25, Squid_25, Squiggle_25, Suffolk_25, Surely_25, Swish_25, TA17A_27, TallGrassMM_25, Telesworld_24, Thora_25, ThreeOh3D2_25, Thunderbird_24, Timmi_24, Tinciduntolum_28, TomBombadil_25, Tomlarah_25, Toni_24, Tooj_25, Tres_27, True_24, UAch1_25, UncleHowie_25, Usavi_25, Valjean_25, Vaticameos_25, Vic9_28, Virapocalypse_25, Vista_25, Vivaldi_25, Vortex_25, Waterdiva_25, West99_27, Xavier_24, Yoshand_25, YouGoGlencoco_25, Zaider_26, Zelda_25,

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

- Chah_26,

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

- 39HC_021, 40BC_021, APunk_31, Abblin_30, Acadian_25, Affeca_28, Ahwei_22, Ailee_28, AlanGrant_24, Ali17_26, Altheas_35, AluminumJesus_31, Amo99_54, AnClar_23, AnarQue_24, Angelicage_28, Antihero_22, Apex_23, Apizium_24, Argie_20, Arri_29, Ashertheman_30, Ashraf_24, Austelle_24, Axumite_22, BabyDotz_32, Baddon_29, Bae_24, Bakery_27, Barb_28, Barsten_30, BatteryCK_24, Baumdotcom_29, Belphegor_28, Bibwit_29, BiggityBass_22, BirdInFrench_32, BirdsNest_28, Bizzy_30, Blab_31, BobBob_27, BobRoss2024_21, BobbyK_23, Brandonk123_31, Brilliant_25, BrownCNA_24, CRB2_27, CaiB_24, CandC_31, Casend_34, Caspiboi_26, Cepens_19, ChadMasterC_30, Chaelin_24, CharlieGBrown_24, CharlottesWeb_22, Charming_30, CherryCola_30, Chickadee_27, ChrisnMich_22, Chute_24, ClamChowder_28, Clawz_53, CloverMinnie_24, Clown_30, ColdSoup_54, Coldpizza_25, Coletti_24, Cooper_23, CoveyB_29, D12_19, DaddyDaniels_25, Danyall_28, Dati_25, DelRivs_24, Delrey21_29, Derg_27, Derpp_24, Dexdert_28, DigitDog_25, DoctorFroggo_29, Doddsville_25, DonTron_53, DonaldDuck_33, Donny_25, DuchessDung_23, Duggie_24, Durga_25, EMoore_26, EastView9101_24, EdmundFerry_26, ElvisPhasley_25, Epah_22, Etaye_25, Evaa_23, Evamon_26, EverythinBagel_33, Fanaw_22, Fireball_27, Fitzgerald_28, Fizzles_33, Flatwoods_30, ForDig_22, Fortunato_23, Fosterous_28, FrankDeliGuy_31, Fransoyer_35, Frederick_23, Fregley_33, Fresco_22, FuegoCuervo_32, Fugax_28, Funsized_28, GTE6_27, Gaea_29, Galadriel_30, Gazebo_32, GeneCoco_25, Geodirt_27, Gezellig_27, GinPorsche_22, GodPhather_20, Grassboy_34, Gustavo_29, Gwennie1_25, Hally898_22, Halo3_27, Hangman_23, Hans_30, Hartsy_25, Hashim76_29, Heath_22, Hocus_24, Hosp_019, Hydro_23, Hyperion_32, ImtiyazSitla_24, Imvubu_19, Indlovu_23, Inspectinfecti_29, Iridessa_25, JDog_24, JKSyngboy_27, Jabberwocky_28, JaguarMi_23, JakeO_24, Jambalaya_26, Jehoshaphat_35, Jeon_19, Jiminy_24, Jolie1_021, Jollymon_54, Judebell_35, Kailash_25, Kamashten_29, KarasumaRum_27, KayaCho_21, Keitabear_30, Keitherie_25, Kelcole_31, Kewpiedoll_29, Khan1_25, KimmyK_28, KingstonB_54, Knocker_27, Kroos_30, Kwekel_27, Kwksand96_24, Kwobi_30, Kyva_35, Labeoufcaum_24, Lambano_22, Lennon_30, Leonard_28, Ligma_22, LilHam_27, LilMcDreamy_22, LittleMunchkin_24, Llemily_33, Lolalove_23, Lonelysoil_32, Longacauda_24, Love_33, Mag7_24, Magic8_25, Magpie_22, MakoManhole_24, Marcie_37, Mariokart_22, Mashley_31, Maskar_24, McKinley_32, Megabear_19, MelBins_29, Melc17_25, MelsMeow_24, MichaelPhcott_24, Mithril_23, MoontowerMania_29, MorillMayhem_32, MossRose_24, MrPhizzler_24, Mudslide_23, Mutzi_28, Mysterious_26, Namago_33, Nanao_22, Nangang_25, Nathan_26, Natkenzie_30, Nehemiah_24, Nigel_21, Nike_33, Nordenberg_24, Nubi_26, OSmaximus_25, Oline_24, OneinaGillian_32, PR_19, Paries_32, PenguinLover67_27, Pepe25_31,

Phabia_33, Phaedrus_24, PhatLouie_25, Phauci_21, Phelemich_25, PhenghisKhan_24, Phergie_24, Phinally_28, Phinky_39, Phleuron_24, Phlop_26, PhrankReynolds_24, Pine5_25, PinkCoffee_28, Pinkman_24, Portcullis_26, Poster_22, Prince_23, PullumCavea_26, Quammi_31, QueenPie_22, Quesadilla_26, RawrgerThat_23, Reprobate_25, Ribeye_30, Rich_24, Rimu_26, Rinkes_28, Rita130_25, RiverRaider_30, RoadKill_25, RobinRose_34, Rofo_30, RogerDodger_29, Romm_34, Rowlf_29, RubyRalph_35, Rudy_31, SadLad_37, Saguaro_26, SallyK_34, Salvador_26, Sampson_30, Sanjuju_28, Saronaya_29, Savbucketdawg_26, SchottB_28, Schueller_25, Scioto_30, Sedona_30, Serendipitous_24, Shatter_22, Shenyu_25, Shinji_26, Shivanishola_31, Sillytadpoles_34, SirJeffery_25, Sisko_22, Sitar_30, SmokingBunny_26, Soile_25, Soos_49, Sour_26, Squash_35, Statler_35, Sting_52, Stinger_21, StinkyVeggy_27, StorminNorm_29, StrawberryJamm_35, Struggle_24, Stultus_28, Suigeneris_25, Sunfish_41, Swiphy_26, TPA2_31, Tangent_30, Tangerine_29, Taptic_19, Tardus_31, Teehee_34, Tempo_32, Thing3_29, Thonko_24, Tiamoceli_28, TillyBobJoe_26, Tissue_33, Togo_26, Tonitrus_40, Trypo_25, Twister6_28, Twonlo_25, Tycho_29, TyrionL_24, Vaishali24_24, Valary_29, VanDeWege_29, Veritas_24, Verity_29, ViaConlectus_30, Viceroy_32, Vincenzo_24, VioletZ_23, Virgeve_24, Vivi2_32, Waleliano_23, Wallhey_24, Wayne3_34, Weher20_25, Wheelie_32, Wilca_32, Windsor_24, Wizard_26, Wooper_24, Xincheng_22, Yago84_22, Yeshua_24, YorkOnyx_30, YungMoney_28, Zagie_33, Zemanar_24, Zenteno07_29, Zhafia_36, Zipp_29, Zitch_31, Zonia_25, phiAsp2_21,

Summary by start number:

Start 37:

- Found in 3 of 606 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sour_26 (DR),

Start 38:

- Found in 9 of 606 (1.5%) of genes in pham
- Manual Annotations of this start: 7 of 510
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Baddon_29 (DE1), Bizzy_30 (DE1), Derg_27 (DE1), Flatwoods_30 (DE1), Gaea_29 (DE1), JKSyngboy_27 (DE1), Ribeye_30 (DE1), YorkOnyx_30 (DE1),

Start 39:

- Found in 1 of 606 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA2_31 (singleton),

Start 41:

- Found in 8 of 606 (1.3%) of genes in pham
- Manual Annotations of this start: 3 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amo99_54 (CP), Clawz_53 (CP), ColdSoup_54 (CP), DonTron_53 (CP), Jollymon_54 (CP), KingstonB_54 (CP), Soos_49 (CP), Sting_52 (CP),

Start 42:

- Found in 71 of 606 (11.7%) of genes in pham
- Manual Annotations of this start: 54 of 510
- Called 94.4% of time when present
- Phage (with cluster) where this start called: 39HC_021 (B6), 40BC_021 (B6), Apizium_24 (B1), Ashraf_24 (B1), BatteryCK_24 (B1), Brilliant_25 (B1), Caspiboi_26 (B1), Chaelin_24 (B1), CharlieGBrown_24 (B1), Chute_24 (B1), Coletti_24 (B1), DaddyDaniels_25 (B1), Dati_25 (B1), DelRivs_24 (B1), Derpp_24 (B1), Doddsville_25 (B1), DuchessDung_23 (B1), Duggie_24 (B1), Durga_25 (B1), Etaye_25 (B1), ForDig_22 (B6), GeneCoco_25 (B1), Hartsy_25 (B1), Hocus_24 (B1), Hosp_019 (B6), ImtiyazSitla_24 (B1), Indlovu_23 (B11), JDog_24 (B1), JakeO_24 (B1), Jiminy_24 (B1), Jolie1_021 (B6), Kailash_25 (B1), KayaCho_21 (B6), Keitherie_25 (B1), Khan1_25 (B1), Kwksand96_24 (B1), Labeouficaum_24 (B1), Longacauda_24 (B1), Mag7_24 (B1), Magic8_25 (B1), Maskar_24 (B1), Melc17_25 (B1), MelsMeow_24 (B1), MichaelPhcott_24 (B1), MrPhizzler_24 (B1), Nathan_26 (B1), OSmaximus_25 (B1), Oline_24 (B1), PhatLouie_25 (B1), PhenghisKhan_24 (B1), Phergie_24 (B1), Phleuron_24 (B1), PhrankReynolds_24 (B1), Pinkman_24 (B1), Schueller_25 (B1), Soile_25 (B1), Struggle_24 (B1), Swiphy_26 (B1), Trypo_25 (B1), TyrionL_24 (B1), Vaishali24_24 (B1), Veritas_24 (B1), Virgeve_24 (B1), Wallhey_24 (B1), Weher20_25 (B1), Windsor_24 (B1), Zonia_25 (B1),

Start 43:

- Found in 257 of 606 (42.4%) of genes in pham
- Manual Annotations of this start: 242 of 510
- Called 99.6% of time when present
- Phage (with cluster) where this start called: ABU_25 (B1), AbsoluteMadLad_24 (B1), Adriana_25 (B1), Aelin_24 (B1), Allegro_27 (B2), AltPhacts_25 (B1), Altwerkus_24 (B1), Anderson_25 (B1), Andre_25 (B1), AngelCake_24 (B1), Antonia_24 (B1), Arbiter_27 (B2), Ares_27 (B2), Badfish_25 (B1), Bananafish_27 (B2), Banjo_24 (B1), Basato_26 (B1), Beaglebox_24 (B1), Bishoperium_24 (B1), BlackStallion_25 (B1), Blocker23_27 (B2), BlueHusk_25 (B1), Bluephacebaby_24 (B1), Boehler_25 (B1), Boyle_27 (B2), Brownie5_27 (B2), Buckeye_25 (B1), Burr_24 (B1), Calamitous_27 (B2), CamL_25 (B1), CampRoach_25 (B1), Cannibal_25 (B1), Carthage_23 (B1), Charles1_25 (B1), CheetO_25 (B1), Cher_24 (B1), Childish_24 (B1), Chorkpop_25 (B1), Chunky_25 (B1), Cobra_25 (B1), Coffee_27 (B2), Colbert_25 (B1), Cornobble_24 (B1), Cosmolli16_24 (B1), Craff_25 (B1), Crownjwl_25 (B1), Daffy_25 (B1), Daka_25 (B1), Dice_24 (B1), Dingo_25 (B1), Dione_24 (B1), DirtJuice_25 (B1), DoesntMatter_25 (B1), DonSanchon_24 (B1), Eaglehorse_27 (B2), Emiris_25 (B1), EmpTee_25 (B1), Eremos_25 (B1), Eugenia_25 (B1), Fang_25 (B1), Faze9_27 (B2), FluffyNinja_25 (B1), Fozzie_24 (B1), Frankicide_25 (B1), FrenchFry_27 (B2), Freya_24 (B1), FriarPreacher_25 (B1), Fringe_25 (B1), FugateOSU_24 (B1), Gareth_24 (B1), Giraffe_25 (B1), Glass_27 (B2), Godines_27 (B2), Gophee_25 (B1), Grand2040_24 (B1), Gwilliam_25 (B1), Gyarad_0025 (B1), HSavage_25 (B1), Haimas_25 (B1), Haleema_24 (B1), Hamish_25 (B1), Harvey_25 (B1), Hedgerow_27 (B2), Held_25 (B1), HenryJackson_24 (B1), Hertubise_25 (B1), Hetaeria_25 (B1), HighStump_24 (B1), Holeinone_27 (B2), Horchata_25 (B1), Inchworm_25 (B1), Inverness_25 (B1), Iridoclysis_25 (B1), IsaacEli_25 (B1), ItsyBitsy1_27 (B2), JacAttac_25 (B1), JangoPhett_25 (B1), Jesabah_25 (B1), Jillium_24 (B1), Jiraiya_25 (B1), KLucky39_25 (B1), Kahve_24 (B1), Kaleb_27 (B2), Katniss_25 (B1), Kheth_27 (B2), Kikipoo_25 (B1), Kimbrough_25 (B1), KingVeVeVe_25 (B1), KlimbOn_25 (B1), Kloppinator_25 (B1), Kolhan_27 (B2), Kwadwo_24 (B1), Lars_27 (B2), LasagnaCat_25 (B1), Lasso_25 (B1), Laurie_27 (B2), LeeLot_25 (B1), Lego3393_25 (B1), Legolas_24 (B1), LeiMonet_25 (B1), LemonSlice_25 (B1), Lephleur_27 (B2),

LilSmirk_27 (B2), Lilbeanie_25 (DE5), LizLemon_27 (B2), Lopsy_24 (B1),
 LostAndPhound_24 (B1), LuckyMarjie_24 (B1), Lulumae_24 (B1), Lulwa_25 (B1),
 Lumine_24 (B1), MRabcd_24 (B1), Mana_24 (B1), Manad_24 (B1), Maru_24 (B1),
 MasterPo_27 (B2), Matalotodo_25 (B1), Mcshane_24 (B1), Mecca_24 (B1),
 Megamind20_25 (B1), Megatron_25 (B1), Mesh1_25 (B1), Mesmerelda_25 (B1),
 Mikota_25 (B1), MiniBoss_25 (B1), MitKao_25 (B1), Morgushi_25 (B1), Morty_25
 (B1), Mosaic_24 (B1), Mulan_24 (B1), Murdoc_25 (B1), Mutante_24 (B1),
 Nacho_0025 (B1), Newman_25 (B1), Nicole21_25 (B1), Numberten_25 (B1),
 Nyala_24 (B1), Olak_24 (B1), Olive_25 (B1), OliverWalter_25 (B1), Omniscient_25
 (B1), Oosterbaan_25 (B1), Opia_27 (B2), Orfeu_24 (B1), Orion_25 (B1), Orwigg_25
 (B1), PG1_25 (B1), Pacifista_24 (B1), Phamished_25 (B1), Phantasmagoria_27 (B2),
 Phareon_25 (B1), PhatCats2014_25 (B1), Pherdinand_25 (B1), Phipps_25 (B1),
 PhrodoBaggins_24 (B1), Phunky_25 (B1), Piglet_0024 (B1), PinheadLarry_25 (B1),
 Pipsqueak_25 (B1), Placalicious_24 (B1), Plmatters_25 (B1), Podrick_25 (B1),
 Pops_25 (B1), Potter_24 (B1), Prickles_25 (B1), ProfessorX_25 (B1), Puhltonio_25
 (B1), QueenBeane_25 (B1), Quisquiliae_25 (B1), Qyrzula_25 (B2), RedMaple_24
 (B1), Rhinoforte_27 (B2), Ricotta_24 (B1), Riggan_25 (B1), Robyn_24 (B1), Roliet_25
 (B1), Roscoe_26 (B1), Rosebush_27 (B2), Roy17_25 (B1), SDcharge11_25 (B1),
 Sabella_27 (B2), Samaymay_25 (B1), SassyCat97_24 (B1), Schadenfreude_24 (B1),
 Scoot17C_25 (B1), Scrick_25 (B1), Selr12_25 (B1), Serendipity_25 (B1),
 Serpentine_0025 (B1), Sheila_25 (B1), ShiVal_25 (B1), Sigman_25 (B1),
 SilverBell_25 (B1), Simielle_24 (B1), Skippy_25 (B1), Slatt_25 (B1), Solosis_24 (B1),
 Sophia_24 (B1), Soto_25 (B1), Spartan300_25 (B1), Squid_25 (B1), Squiggle_25
 (B1), Suffolk_25 (B1), Surely_25 (B1), Swish_25 (B1), TA17A_27 (B2),
 TallGrassMM_25 (B1), Telesworld_24 (B1), Thora_25 (B1), ThreeOh3D2_25 (B1),
 Thunderbird_24 (B1), Timmi_24 (B1), Tinciduntolum_28 (B2), TomBombadil_25
 (B1), Tomlarah_25 (B1), Toni_24 (B1), Tooj_25 (B1), Tres_27 (B2), True_24 (B1),
 UAch1_25 (B1), UncleHowie_25 (B1), Usavi_25 (B1), Valjean_25 (B1),
 Vaticameos_25 (B1), Vic9_28 (B2), Virapocalypse_25 (B1), Vista_25 (B1), Vivaldi_25
 (B1), Vortex_25 (B1), Waterdiva_25 (B1), West99_27 (B2), Xavier_24 (B1),
 Yoshand_25 (B1), YouGoGlencoco_25 (B1), Zaider_26 (B1), Zelda_25 (B1),

Start 44:

- Found in 1 of 606 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pine5_25 (singleton),

Start 45:

- Found in 133 of 606 (21.9%) of genes in pham
- Manual Annotations of this start: 110 of 510
- Called 98.5% of time when present
- Phage (with cluster) where this start called: APunk_31 (DE4), Abblin_30 (DE4),
 Affeca_28 (DE1), Ailee_28 (DE1), Ali17_26 (DE2), AnClar_23 (DR), AnarQue_24
 (DR), Angelicage_28 (DE1), Arri_29 (DC1), Ashertheman_30 (DE1), Axumite_22
 (DR), Bakery_27 (DC1), Barb_28 (DC1), Barsten_30 (DE1), Baumdotcom_29 (DE1),
 Belphegor_28 (DE), Bibwit_29 (DE1), BiggityBass_22 (DR), BobBob_27 (DE1),
 BobRoss2024_21 (DR), Brandonk123_31 (DE1), CRB2_27 (B9), CaiB_24 (DR),
 ChadMasterC_30 (DE1), CharlottesWeb_22 (DR), Charming_30 (DE1),
 CherryCola_30 (DC1), Chickadee_27 (DE3), ClamChowder_28 (DC1),
 CloverMinnie_24 (DR), Clown_30 (DC2), Coldpizza_25 (DR), CoveyB_29 (DC1),
 Danyall_28 (DC1), Delrey21_29 (DE4), Dexdert_28 (DE3), DoctorFroggo_29 (DE4),
 EMOore_26 (DE2), EdmundFerry_26 (DE3), Evaa_23 (DR), Evamon_26 (DC1),

Fireball_27 (DC1), Fitzgerald_28 (DE1), Fosterous_28 (DE1), Fresco_22 (DR), FuegoCuervo_32 (DE1), Fugax_28 (DC1), GTE6_27 (DE3), Galadriel_30 (DE1), Geodirt_27 (DE1), Gezellig_27 (DC1), Gustavo_29 (DE1), Halo3_27 (DC1), Hans_30 (DE2), Inspectinfecti_29 (DE2), Jabberwocky_28 (DE1), Jambalaya_26 (DC1), Kamashten_29 (DE1), Keitabear_30 (DE1), Kewpiedoll_29 (DE1), KimmyK_28 (DC1), Kroos_30 (DE1), Kwekel_27 (DE3), Kwobi_30 (DE1), Lennon_30 (DE1), Leonard_28 (DE2), Ligma_22 (DR), LilHam_27 (DE1), LittleMunchkin_24 (DR), Love_33 (DE1), MakoManhole_24 (DR), Mariokart_22 (DR), McKinley_32 (DE1), MelBins_29 (DE2), MoontowerMania_29 (DE1), MossRose_24 (DR), Mutzi_28 (DC1), Natkenzie_30 (DE4), Nordenberg_24 (DE1), Nubi_26 (DC1), Paries_32 (DE1), PenguinLover67_27 (B9), Phauci_21 (DE2), Phinally_28 (DE2), Phlop_26 (DC1), PinkCoffee_28 (DC1), Portcullis_26 (DC1), PullumCavea_26 (DC1), Quesadilla_26 (B9), RiverRaider_30 (DE1), RoadKill_25 (DE3), Rofo_30 (DE1), RogerDodger_29 (DC1), Salvador_26 (DC1), Sampson_30 (DE4), Sanjuju_28 (DE1), Saronaya_29 (DE1), Savbucketdawg_26 (DC1), SchottB_28 (DE1), Scioto_30 (DE4), Sedona_30 (DE1), Shatter_22 (DR), Shinji_26 (DC1), Shivanishola_31 (DE1), Sisko_22 (DR), Sitar_30 (DE1), SmokingBunny_26 (DC1), StorminNorm_29 (DE1), Stultus_28 (DE1), Tangent_30 (DE1), Tangerine_29 (DE1), Tardus_31 (DE4), Thing3_29 (DE1), Tiamoceli_28 (DE3), TillyBobJoe_26 (DC1), Togo_26 (DC1), Twister6_28 (DC1), Twonlo_25 (DE3), Tycho_29 (DE1), Valary_29 (DC1), VanDeWege_29 (DC1), Verity_29 (DE4), ViaConlectus_30 (DE4), Vivi2_32 (DE1), Wizard_26 (DC1), Woooper_24 (DR), Yago84_22 (DR), Yeshua_24 (DR), YungMoney_28 (DC1), Zipp_29 (DE4), Zitch_31 (DE4),

Start 47:

- Found in 27 of 606 (4.5%) of genes in pham
- Manual Annotations of this start: 18 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_25 (B5), Bae_24 (B5), BirdsNest_28 (B13), DigitDog_25 (B5), Donny_25 (B5), EastView9101_24 (B5), Funsized_28 (B9), Hashim76_29 (B13), Imvubu_19 (B10), KarasumaRum_27 (B5), Knocker_27 (B9), LilMcDreamy_22 (B12), Mysterious_26 (B5), Nangang_25 (B5), Nehemiah_24 (B5), Phelemich_25 (B5), Reprobate_25 (B5), Rich_24 (B5), Rinkes_28 (B9), Rita130_25 (B5), Saguaro_26 (B7), Serendipitous_24 (B5), Shenyu_25 (B5), SirJeffery_25 (B5), StinkyVeggy_27 (B5), Suigeneris_25 (B5), Zenteno07_29 (B13),

Start 48:

- Found in 38 of 606 (6.3%) of genes in pham
- Manual Annotations of this start: 25 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_22 (B4), AlanGrant_24 (B4), Antihero_22 (B4), Apex_23 (B4), Austelle_24 (B4), BobbyK_23 (B4), BrownCNA_24 (B4), ChrisnMich_22 (B4), Cooper_23 (B4), Epah_22 (B4), Fanaw_22 (B4), Fortunato_23 (B4), Frederick_23 (B4), GinPorsche_22 (B4), Hally898_22 (B4), Hangman_23 (B4), Heath_22 (B4), Hydro_23 (B4), JaguarMi_23 (B4), Lambano_22 (B4), Lolalove_23 (B4), Magpie_22 (B4), Mithril_23 (B4), Mudslide_23 (B4), Nanao_22 (B4), Nigel_21 (B4), Poster_22 (B4), Prince_23 (B4), QueenPie_22 (B4), RawrgerThat_23 (B4), Stinger_21 (B4), Thonko_24 (B8), Vincenzo_24 (B4), VioletZ_23 (B4), Waleliano_23 (B4), Xincheng_22 (B4), Zemanar_24 (B4), phiAsp2_21 (singleton),

Start 49:

- Found in 9 of 606 (1.5%) of genes in pham
- Manual Annotations of this start: 8 of 510
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Argie_20 (W), Cepens_19 (W), D12_19 (W), GodPhather_20 (W), Jeon_19 (W), Megabear_19 (W), PR_19 (W), Taptic_19 (W),

Start 50:

- Found in 90 of 606 (14.9%) of genes in pham
- Manual Annotations of this start: 39 of 510
- Called 57.8% of time when present
- Phage (with cluster) where this start called: Altheas_35 (EG), AluminumJesus_31 (EG), BabyDotz_32 (EG), BirdInFrench_32 (EG), Blab_31 (EG), CandC_31 (EG), Casend_34 (EG), DonaldDuck_33 (EG), EverythinBagel_33 (EG), Fizzles_33 (EG), FrankDeliGuy_31 (EG), Fransoyer_35 (EG), Fregley_33 (EG), Gazebo_32 (EG), Grassboy_34 (EG), Hyperion_32 (EG), Jehoshaphat_35 (EG), Judebell_35 (EG), Kelcole_31 (EG), Kyva_35 (EG), Lonelysoil_32 (EG), Marcie_37 (EG), Mashley_31 (EG), MorillMayhem_32 (EG), Namago_33 (EG), Nike_33 (EG), OneinaGillian_32 (EG), Pepe25_31 (EG), Phabia_33 (EG), Phinky_39 (EG), Quammi_31 (EG), RobinRose_34 (EG), Romm_34 (EG), Rowlf_29 (EG), RubyRalph_35 (EG), Rudy_31 (EG), SadLad_37 (EG), SallyK_34 (EG), Sillytadpoles_34 (EG), Squash_35 (EG), Statler_35 (EG), StrawberryJamm_35 (EG), Sunfish_41 (singleton), Teehee_34 (EG), Tempo_32 (EG), Tissue_33 (EG), Viceroy_32 (EG), Wayne3_34 (EG), Wheelie_32 (EG), Wilca_32 (EG), Zagie_33 (EG), Zhafia_36 (EG),

Start 54:

- Found in 21 of 606 (3.5%) of genes in pham
- No Manual Annotations of this start.
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Llemily_33 (EG),

Start 55:

- Found in 9 of 606 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Tonitrus_40 (singleton),

Start 63:

- Found in 27 of 606 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 14.8% of time when present
- Phage (with cluster) where this start called: ElvisPhasley_25 (B1), Gwennie1_25 (B1), Iridessa_25 (B1), Rimu_26 (B1),

Start 70:

- Found in 323 of 606 (53.3%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chah_26 (B1),

Start 71:

- Found in 381 of 606 (62.9%) of genes in pham
- Manual Annotations of this start: 1 of 510

- Called 0.3% of time when present
- Phage (with cluster) where this start called: Phaedrus_24 (B3),

Summary by clusters:

There are 26 clusters represented in this pham: singleton, DE, B12, B13, B10, B11, DR, EG, W, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster B1:

- Start number 42 was manually annotated 52 times for cluster B1.
- Start number 43 was manually annotated 209 times for cluster B1.
- Start number 70 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 47 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 42 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 47 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 47 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 43 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 71 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 48 was manually annotated 24 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 47 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 42 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 47 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 48 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 45 was manually annotated 3 times for cluster B9.
- Start number 47 was manually annotated 3 times for cluster B9.

Info for manual annotations of cluster CP:

- Start number 41 was manually annotated 3 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 45 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 45 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 38 was manually annotated 7 times for cluster DE1.
- Start number 45 was manually annotated 37 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 45 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 45 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 45 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 43 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:

- Start number 37 was manually annotated 1 time for cluster DR.
- Start number 45 was manually annotated 17 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 50 was manually annotated 38 times for cluster EG.

Info for manual annotations of cluster W:

- Start number 49 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_021 Start: 17860, Stop: 18273, Start Num: 42

Candidate Starts for 39HC_021:

(Start: 42 @17860 has 54 MA's), (80, 18028), (89, 18055), (115, 18172),

Gene: 40BC_021 Start: 17860, Stop: 18273, Start Num: 42

Candidate Starts for 40BC_021:

(Start: 42 @17860 has 54 MA's), (80, 18028), (89, 18055), (115, 18172),

Gene: ABU_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for ABU_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: APunk_31 Start: 22352, Stop: 22783, Start Num: 45

Candidate Starts for APunk_31:

(25, 22292), (33, 22325), (Start: 45 @22352 has 110 MA's), (69, 22481), (73, 22511), (96, 22613), (97, 22619), (100, 22634), (116, 22691), (119, 22706), (124, 22754), (125, 22757),

Gene: Abblin_30 Start: 22964, Stop: 23395, Start Num: 45

Candidate Starts for Abblin_30:

(25, 22904), (33, 22937), (Start: 45 @22964 has 110 MA's), (69, 23093), (73, 23123), (96, 23225), (97, 23231), (100, 23246), (116, 23303), (119, 23318), (124, 23366), (125, 23369),

Gene: AbsoluteMadLad_24 Start: 18670, Stop: 19092, Start Num: 43

Candidate Starts for AbsoluteMadLad_24:

(26, 18604), (Start: 43 @18670 has 242 MA's), (Start: 70 @18793 has 1 MA's), (Start: 71 @18799 has 1 MA's), (72, 18805), (89, 18868), (94, 18910), (116, 18988), (122, 19036), (125, 19060), (131, 19078), (132, 19084),

Gene: Acadian_25 Start: 19389, Stop: 19805, Start Num: 47

Candidate Starts for Acadian_25:

(Start: 47 @19389 has 18 MA's), (60, 19449), (72, 19518), (94, 19623), (101, 19653), (133, 19800),

Gene: Adriana_25 Start: 18672, Stop: 19094, Start Num: 43

Candidate Starts for Adriana_25:

(26, 18606), (Start: 43 @18672 has 242 MA's), (Start: 70 @18795 has 1 MA's), (Start: 71 @18801 has 1 MA's), (72, 18807), (89, 18870), (94, 18912), (116, 18990), (122, 19038), (125, 19062), (131, 19080), (132, 19086),

Gene: Aelin_24 Start: 18235, Stop: 18657, Start Num: 43

Candidate Starts for Aelin_24:

(26, 18169), (Start: 43 @18235 has 242 MA's), (Start: 70 @18358 has 1 MA's), (Start: 71 @18364 has 1 MA's), (72, 18370), (89, 18433), (94, 18475), (116, 18553), (122, 18601), (125, 18625), (131, 18643), (132, 18649),

Gene: Affeca_28 Start: 22852, Stop: 23286, Start Num: 45

Candidate Starts for Affeca_28:

(31, 22822), (Start: 45 @22852 has 110 MA's), (64, 22936), (73, 23011), (81, 23035), (96, 23113), (100, 23134), (119, 23206), (125, 23257),

Gene: Ahwei_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Ahwei_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Ailee_28 Start: 23561, Stop: 23995, Start Num: 45

Candidate Starts for Ailee_28:

(Start: 45 @23561 has 110 MA's), (64, 23645), (73, 23720), (81, 23744), (96, 23822), (100, 23843), (119, 23915), (125, 23966),

Gene: AlanGrant_24 Start: 20089, Stop: 20502, Start Num: 48

Candidate Starts for AlanGrant_24:

(29, 20038), (Start: 48 @20089 has 25 MA's), (Start: 71 @20209 has 1 MA's), (72, 20215), (90, 20290), (94, 20320), (115, 20395), (119, 20413), (132, 20494),

Gene: Ali17_26 Start: 20746, Stop: 21177, Start Num: 45

Candidate Starts for Ali17_26:

(12, 20518), (14, 20554), (23, 20659), (33, 20719), (Start: 45 @20746 has 110 MA's), (64, 20830), (79, 20926), (96, 21007), (97, 21013), (99, 21025), (116, 21085), (121, 21109), (124, 21148), (125, 21151),

Gene: Allegro_27 Start: 20836, Stop: 21264, Start Num: 43

Candidate Starts for Allegro_27:

(34, 20809), (Start: 43 @20836 has 242 MA's), (Start: 50 @20851 has 39 MA's), (Start: 71 @20968 has 1 MA's), (72, 20974), (75, 21001), (85, 21022), (89, 21040), (116, 21160), (117, 21166), (124, 21229), (132, 21256),

Gene: AltPhacts_25 Start: 18664, Stop: 19086, Start Num: 43

Candidate Starts for AltPhacts_25:

(26, 18598), (Start: 43 @18664 has 242 MA's), (Start: 70 @18787 has 1 MA's), (Start: 71 @18793 has 1 MA's), (72, 18799), (89, 18862), (94, 18904), (116, 18982), (122, 19030), (125, 19054), (131, 19072), (132, 19078),

Gene: Altheas_35 Start: 22433, Stop: 22843, Start Num: 50

Candidate Starts for Altheas_35:

(Start: 50 @22433 has 39 MA's), (78, 22592), (93, 22649), (94, 22667), (104, 22706), (108, 22721),

Gene: Altwerkus_24 Start: 18364, Stop: 18786, Start Num: 43

Candidate Starts for Altwerkus_24:

(26, 18298), (Start: 43 @18364 has 242 MA's), (Start: 70 @18487 has 1 MA's), (Start: 71 @18493 has 1 MA's), (72, 18499), (89, 18562), (94, 18604), (116, 18682), (122, 18730), (125, 18754), (131, 18772), (132, 18778),

Gene: AluminumJesus_31 Start: 21927, Stop: 22340, Start Num: 50

Candidate Starts for AluminumJesus_31:

(28, 21870), (Start: 50 @21927 has 39 MA's), (66, 21999), (78, 22086), (104, 22203), (108, 22218),

Gene: Amo99_54 Start: 29535, Stop: 29960, Start Num: 41

Candidate Starts for Amo99_54:

(Start: 41 @29535 has 3 MA's), (87, 29733), (98, 29805), (115, 29859), (118, 29874),

Gene: AnClar_23 Start: 19435, Stop: 19848, Start Num: 45

Candidate Starts for AnClar_23:

(Start: 45 @19435 has 110 MA's), (61, 19504), (72, 19570), (85, 19618), (95, 19684), (107, 19726), (124, 19825),

Gene: AnarQue_24 Start: 18618, Stop: 19028, Start Num: 45

Candidate Starts for AnarQue_24:

(Start: 45 @18618 has 110 MA's), (77, 18780), (82, 18792), (94, 18858), (98, 18882), (113, 18921), (116, 18936), (125, 19008),

Gene: Anderson_25 Start: 18662, Stop: 19084, Start Num: 43

Candidate Starts for Anderson_25:

(26, 18596), (Start: 43 @18662 has 242 MA's), (Start: 70 @18785 has 1 MA's), (Start: 71 @18791 has 1 MA's), (72, 18797), (89, 18860), (94, 18902), (116, 18980), (122, 19028), (125, 19052), (131, 19070), (132, 19076),

Gene: Andre_25 Start: 18660, Stop: 19082, Start Num: 43

Candidate Starts for Andre_25:

(26, 18594), (Start: 43 @18660 has 242 MA's), (Start: 70 @18783 has 1 MA's), (Start: 71 @18789 has 1 MA's), (72, 18795), (89, 18858), (94, 18900), (116, 18978), (122, 19026), (125, 19050), (131, 19068), (132, 19074),

Gene: AngelCake_24 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for AngelCake_24:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Angelicage_28 Start: 23269, Stop: 23703, Start Num: 45

Candidate Starts for Angelicage_28:

(31, 23239), (Start: 45 @23269 has 110 MA's), (64, 23353), (73, 23428), (81, 23452), (96, 23530), (100, 23551), (119, 23623), (125, 23674),

Gene: Antihero_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Antihero_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Antonia_24 Start: 18235, Stop: 18657, Start Num: 43

Candidate Starts for Antonia_24:

(26, 18169), (Start: 43 @18235 has 242 MA's), (Start: 70 @18358 has 1 MA's), (Start: 71 @18364 has 1 MA's), (72, 18370), (89, 18433), (94, 18475), (116, 18553), (122, 18601), (125, 18625), (131, 18643), (132, 18649),

Gene: Apex_23 Start: 19517, Stop: 19930, Start Num: 48

Candidate Starts for Apex_23:

(Start: 48 @19517 has 25 MA's), (Start: 70 @19631 has 1 MA's), (Start: 71 @19637 has 1 MA's), (72, 19643), (80, 19679), (90, 19718), (93, 19730), (94, 19748), (116, 19826), (119, 19841), (124, 19895), (125, 19898), (132, 19922),

Gene: Apizium_24 Start: 18422, Stop: 18844, Start Num: 42

Candidate Starts for Apizium_24:

(Start: 42 @18422 has 54 MA's), (63, 18494), (Start: 70 @18545 has 1 MA's), (Start: 71 @18551 has 1 MA's), (72, 18557), (89, 18620), (94, 18662), (116, 18740), (122, 18788), (125, 18812), (131, 18830), (132, 18836),

Gene: Arbiter_27 Start: 20921, Stop: 21349, Start Num: 43

Candidate Starts for Arbiter_27:

(34, 20894), (Start: 43 @20921 has 242 MA's), (Start: 50 @20936 has 39 MA's), (Start: 71 @21053 has 1 MA's), (72, 21059), (75, 21086), (85, 21107), (89, 21125), (116, 21245), (117, 21251), (124, 21314), (132, 21341),

Gene: Ares_27 Start: 20837, Stop: 21265, Start Num: 43

Candidate Starts for Ares_27:

(34, 20810), (Start: 43 @20837 has 242 MA's), (Start: 50 @20852 has 39 MA's), (Start: 71 @20969 has 1 MA's), (72, 20975), (75, 21002), (85, 21023), (89, 21041), (116, 21161), (117, 21167), (124, 21230), (132, 21257),

Gene: Argie_20 Start: 18470, Stop: 18880, Start Num: 49

Candidate Starts for Argie_20:

(Start: 49 @18470 has 8 MA's), (66, 18545), (Start: 71 @18590 has 1 MA's), (72, 18596), (82, 18638), (89, 18662), (92, 18683), (115, 18785), (122, 18830),

Gene: Arri_29 Start: 18253, Stop: 18696, Start Num: 45

Candidate Starts for Arri_29:

(Start: 45 @18253 has 110 MA's), (96, 18514), (125, 18670),

Gene: Ashertheman_30 Start: 22146, Stop: 22580, Start Num: 45

Candidate Starts for Ashertheman_30:

(40, 22137), (Start: 45 @22146 has 110 MA's), (64, 22230), (73, 22305), (96, 22407), (100, 22428), (116, 22485), (119, 22500), (125, 22551),

Gene: Ashraf_24 Start: 18226, Stop: 18648, Start Num: 42

Candidate Starts for Ashraf_24:

(Start: 42 @18226 has 54 MA's), (Start: 70 @18349 has 1 MA's), (Start: 71 @18355 has 1 MA's), (72, 18361), (89, 18424), (94, 18466), (116, 18544), (122, 18592), (125, 18616), (131, 18634), (132, 18640),

Gene: Austelle_24 Start: 19973, Stop: 20386, Start Num: 48

Candidate Starts for Austelle_24:

(Start: 48 @19973 has 25 MA's), (Start: 70 @20087 has 1 MA's), (Start: 71 @20093 has 1 MA's), (72, 20099), (80, 20135), (90, 20174), (93, 20186), (94, 20204), (116, 20282), (119, 20297), (124, 20351), (125, 20354), (132, 20378),

Gene: Axumite_22 Start: 17225, Stop: 17635, Start Num: 45

Candidate Starts for Axumite_22:

(Start: 45 @17225 has 110 MA's), (65, 17306), (Start: 70 @17345 has 1 MA's), (72, 17357), (82, 17399), (85, 17405), (89, 17423), (107, 17513),

Gene: BabyDotz_32 Start: 22195, Stop: 22599, Start Num: 50

Candidate Starts for BabyDotz_32:

(32, 22150), (Start: 50 @22195 has 39 MA's), (51, 22207), (54, 22231), (92, 22405), (94, 22426), (105, 22471), (108, 22480), (130, 22585), (134, 22594),

Gene: Baddon_29 Start: 22946, Stop: 23380, Start Num: 38

Candidate Starts for Baddon_29:

(Start: 38 @22946 has 7 MA's), (53, 23000), (64, 23030), (73, 23105), (96, 23207), (100, 23228), (119, 23300), (125, 23351),

Gene: Badfish_25 Start: 18694, Stop: 19116, Start Num: 43

Candidate Starts for Badfish_25:

(26, 18628), (Start: 43 @18694 has 242 MA's), (Start: 70 @18817 has 1 MA's), (Start: 71 @18823 has 1 MA's), (72, 18829), (89, 18892), (94, 18934), (116, 19012), (122, 19060), (125, 19084), (131, 19102), (132, 19108),

Gene: Bae_24 Start: 19145, Stop: 19561, Start Num: 47

Candidate Starts for Bae_24:

(Start: 47 @19145 has 18 MA's), (Start: 70 @19262 has 1 MA's), (72, 19274), (89, 19337), (124, 19526), (133, 19556),

Gene: Bakery_27 Start: 17507, Stop: 17950, Start Num: 45

Candidate Starts for Bakery_27:

(Start: 45 @17507 has 110 MA's), (125, 17924),

Gene: Bananafish_27 Start: 20833, Stop: 21261, Start Num: 43

Candidate Starts for Bananafish_27:

(34, 20806), (Start: 43 @20833 has 242 MA's), (Start: 50 @20848 has 39 MA's), (Start: 71 @20965 has 1 MA's), (72, 20971), (75, 20998), (85, 21019), (89, 21037), (116, 21157), (117, 21163), (124, 21226), (132, 21253),

Gene: Banjo_24 Start: 18371, Stop: 18793, Start Num: 43

Candidate Starts for Banjo_24:

(26, 18305), (Start: 43 @18371 has 242 MA's), (Start: 70 @18494 has 1 MA's), (Start: 71 @18500 has 1 MA's), (72, 18506), (89, 18569), (94, 18611), (116, 18689), (122, 18737), (125, 18761), (131, 18779), (132, 18785),

Gene: Barb_28 Start: 18286, Stop: 18729, Start Num: 45

Candidate Starts for Barb_28:

(Start: 45 @18286 has 110 MA's), (96, 18547), (125, 18703),

Gene: Barsten_30 Start: 22693, Stop: 23127, Start Num: 45

Candidate Starts for Barsten_30:

(31, 22663), (Start: 45 @22693 has 110 MA's), (64, 22777), (73, 22852), (81, 22876), (96, 22954), (100, 22975), (119, 23047), (125, 23098),

Gene: Basato_26 Start: 18896, Stop: 19318, Start Num: 43

Candidate Starts for Basato_26:

(26, 18830), (Start: 43 @18896 has 242 MA's), (Start: 70 @19019 has 1 MA's), (Start: 71 @19025 has 1 MA's), (72, 19031), (89, 19094), (94, 19136), (116, 19214), (122, 19262), (125, 19286), (131, 19304), (132, 19310),

Gene: BatteryCK_24 Start: 18248, Stop: 18670, Start Num: 42

Candidate Starts for BatteryCK_24:

(Start: 42 @18248 has 54 MA's), (63, 18320), (Start: 70 @18371 has 1 MA's), (Start: 71 @18377 has 1 MA's), (72, 18383), (89, 18446), (94, 18488), (116, 18566), (122, 18614), (125, 18638), (131, 18656), (132, 18662),

Gene: Baumdotcom_29 Start: 21761, Stop: 22195, Start Num: 45

Candidate Starts for Baumdotcom_29:

(40, 21752), (Start: 45 @21761 has 110 MA's), (64, 21845), (73, 21920), (96, 22022), (100, 22043), (116, 22100), (119, 22115), (125, 22166),

Gene: Beaglebox_24 Start: 18391, Stop: 18813, Start Num: 43

Candidate Starts for Beaglebox_24:

(26, 18325), (Start: 43 @18391 has 242 MA's), (Start: 70 @18514 has 1 MA's), (Start: 71 @18520 has 1 MA's), (72, 18526), (89, 18589), (94, 18631), (116, 18709), (122, 18757), (125, 18781), (131, 18799), (132, 18805),

Gene: Belphegor_28 Start: 22298, Stop: 22729, Start Num: 45

Candidate Starts for Belphegor_28:

(27, 22247), (33, 22271), (Start: 45 @22298 has 110 MA's), (64, 22382), (79, 22478), (96, 22559), (97, 22565), (99, 22577), (116, 22637), (119, 22652), (121, 22661), (122, 22679), (124, 22700), (125, 22703),

Gene: Bibwit_29 Start: 22880, Stop: 23314, Start Num: 45

Candidate Starts for Bibwit_29:

(Start: 45 @22880 has 110 MA's), (64, 22964), (73, 23039), (81, 23063), (96, 23141), (100, 23162), (116, 23219), (119, 23234), (125, 23285),

Gene: BiggityBass_22 Start: 19520, Stop: 19933, Start Num: 45

Candidate Starts for BiggityBass_22:

(Start: 45 @19520 has 110 MA's), (61, 19589), (85, 19703), (95, 19769), (124, 19910),

Gene: BirdInFrench_32 Start: 20827, Stop: 21222, Start Num: 50

Candidate Starts for BirdInFrench_32:

(Start: 50 @20827 has 39 MA's), (Start: 55 @20869 has 1 MA's), (59, 20878), (78, 20986), (114, 21127), (126, 21196), (130, 21214),

Gene: BirdsNest_28 Start: 18737, Stop: 19153, Start Num: 47

Candidate Starts for BirdsNest_28:

(Start: 47 @18737 has 18 MA's), (74, 18890), (75, 18893), (116, 19049), (119, 19064), (132, 19145),

Gene: Bishoperium_24 Start: 18377, Stop: 18799, Start Num: 43

Candidate Starts for Bishoperium_24:

(26, 18311), (Start: 43 @18377 has 242 MA's), (Start: 70 @18500 has 1 MA's), (Start: 71 @18506 has 1 MA's), (72, 18512), (89, 18575), (94, 18617), (116, 18695), (122, 18743), (125, 18767), (131, 18785), (132, 18791),

Gene: Bizzy_30 Start: 22093, Stop: 22527, Start Num: 38

Candidate Starts for Bizzy_30:

(Start: 38 @22093 has 7 MA's), (53, 22147), (64, 22177), (73, 22252), (96, 22354), (100, 22375), (119, 22447), (125, 22498),

Gene: Blab_31 Start: 21852, Stop: 22265, Start Num: 50

Candidate Starts for Blab_31:

(28, 21795), (Start: 50 @21852 has 39 MA's), (66, 21924), (78, 22011), (104, 22128), (108, 22143),

Gene: BlackStallion_25 Start: 18682, Stop: 19104, Start Num: 43

Candidate Starts for BlackStallion_25:

(26, 18616), (Start: 43 @18682 has 242 MA's), (Start: 70 @18805 has 1 MA's), (Start: 71 @18811 has 1 MA's), (72, 18817), (89, 18880), (94, 18922), (116, 19000), (122, 19048), (125, 19072), (131, 19090), (132, 19096),

Gene: Blocker23_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for Blocker23_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: BlueHusk_25 Start: 18178, Stop: 18600, Start Num: 43

Candidate Starts for BlueHusk_25:

(26, 18112), (Start: 43 @18178 has 242 MA's), (Start: 70 @18301 has 1 MA's), (Start: 71 @18307 has 1 MA's), (72, 18313), (89, 18376), (94, 18418), (116, 18496), (122, 18544), (125, 18568), (131, 18586), (132, 18592),

Gene: Bluephacebaby_24 Start: 18377, Stop: 18799, Start Num: 43

Candidate Starts for Bluephacebaby_24:

(26, 18311), (Start: 43 @18377 has 242 MA's), (Start: 70 @18500 has 1 MA's), (Start: 71 @18506 has 1 MA's), (72, 18512), (89, 18575), (94, 18617), (116, 18695), (122, 18743), (125, 18767), (131, 18785),

(132, 18791),

Gene: BobBob_27 Start: 22158, Stop: 22592, Start Num: 45

Candidate Starts for BobBob_27:

(31, 22128), (Start: 45 @22158 has 110 MA's), (64, 22242), (73, 22317), (81, 22341), (96, 22419), (119, 22512), (125, 22563),

Gene: BobRoss2024_21 Start: 16983, Stop: 17393, Start Num: 45

Candidate Starts for BobRoss2024_21:

(Start: 45 @16983 has 110 MA's), (86, 17166), (90, 17193), (113, 17286), (125, 17373),

Gene: BobbyK_23 Start: 19336, Stop: 19749, Start Num: 48

Candidate Starts for BobbyK_23:

(Start: 48 @19336 has 25 MA's), (Start: 70 @19450 has 1 MA's), (Start: 71 @19456 has 1 MA's), (72, 19462), (80, 19498), (90, 19537), (93, 19549), (94, 19567), (116, 19645), (119, 19660), (124, 19714), (125, 19717), (132, 19741),

Gene: Boehler_25 Start: 18687, Stop: 19109, Start Num: 43

Candidate Starts for Boehler_25:

(26, 18621), (Start: 43 @18687 has 242 MA's), (Start: 70 @18810 has 1 MA's), (Start: 71 @18816 has 1 MA's), (72, 18822), (89, 18885), (94, 18927), (116, 19005), (122, 19053), (125, 19077), (131, 19095), (132, 19101),

Gene: Boyle_27 Start: 20955, Stop: 21383, Start Num: 43

Candidate Starts for Boyle_27:

(34, 20928), (Start: 43 @20955 has 242 MA's), (Start: 50 @20970 has 39 MA's), (Start: 71 @21087 has 1 MA's), (72, 21093), (75, 21120), (85, 21141), (89, 21159), (116, 21279), (117, 21285), (124, 21348), (132, 21375),

Gene: Brandonk123_31 Start: 23227, Stop: 23661, Start Num: 45

Candidate Starts for Brandonk123_31:

(31, 23197), (Start: 45 @23227 has 110 MA's), (64, 23311), (73, 23386), (81, 23410), (96, 23488), (119, 23581), (125, 23632),

Gene: Brilliant_25 Start: 18382, Stop: 18804, Start Num: 42

Candidate Starts for Brilliant_25:

(Start: 42 @18382 has 54 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: BrownCNA_24 Start: 19588, Stop: 20001, Start Num: 48

Candidate Starts for BrownCNA_24:

(Start: 48 @19588 has 25 MA's), (Start: 70 @19702 has 1 MA's), (Start: 71 @19708 has 1 MA's), (72, 19714), (80, 19750), (90, 19789), (93, 19801), (94, 19819), (116, 19897), (124, 19966), (125, 19969), (132, 19993),

Gene: Brownie5_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for Brownie5_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: Buckeye_25 Start: 18701, Stop: 19123, Start Num: 43

Candidate Starts for Buckeye_25:

(26, 18635), (Start: 43 @18701 has 242 MA's), (Start: 70 @18824 has 1 MA's), (Start: 71 @18830 has 1 MA's), (72, 18836), (89, 18899), (94, 18941), (116, 19019), (122, 19067), (125, 19091), (131, 19109), (132, 19115),

Gene: Burr_24 Start: 18376, Stop: 18798, Start Num: 43

Candidate Starts for Burr_24:

(26, 18310), (Start: 43 @18376 has 242 MA's), (Start: 70 @18499 has 1 MA's), (Start: 71 @18505 has 1 MA's), (72, 18511), (89, 18574), (94, 18616), (116, 18694), (122, 18742), (125, 18766), (131, 18784), (132, 18790),

Gene: CRB2_27 Start: 21048, Stop: 21482, Start Num: 45

Candidate Starts for CRB2_27:

(Start: 45 @21048 has 110 MA's), (60, 21111), (61, 21114), (Start: 71 @21174 has 1 MA's), (72, 21180), (80, 21216), (89, 21243), (90, 21255), (116, 21363), (124, 21432),

Gene: CaiB_24 Start: 18604, Stop: 19014, Start Num: 45

Candidate Starts for CaiB_24:

(Start: 45 @18604 has 110 MA's), (82, 18778), (116, 18922),

Gene: Calamitous_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for Calamitous_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: CamL_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for CamL_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: CampRoach_25 Start: 18668, Stop: 19090, Start Num: 43

Candidate Starts for CampRoach_25:

(26, 18602), (Start: 43 @18668 has 242 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has 1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076), (132, 19082),

Gene: CandC_31 Start: 20527, Stop: 20922, Start Num: 50

Candidate Starts for CandC_31:

(Start: 50 @20527 has 39 MA's), (59, 20578), (78, 20686), (94, 20761), (114, 20827), (130, 20914),

Gene: Cannibal_25 Start: 18661, Stop: 19083, Start Num: 43

Candidate Starts for Cannibal_25:

(26, 18595), (Start: 43 @18661 has 242 MA's), (Start: 70 @18784 has 1 MA's), (Start: 71 @18790 has 1 MA's), (72, 18796), (89, 18859), (94, 18901), (116, 18979), (122, 19027), (125, 19051), (131, 19069), (132, 19075),

Gene: Carthage_23 Start: 17587, Stop: 18009, Start Num: 43

Candidate Starts for Carthage_23:

(26, 17521), (Start: 43 @17587 has 242 MA's), (Start: 70 @17710 has 1 MA's), (Start: 71 @17716 has 1 MA's), (72, 17722), (89, 17785), (94, 17827), (116, 17905), (122, 17953), (125, 17977), (131, 17995), (132, 18001),

Gene: Casend_34 Start: 22604, Stop: 23008, Start Num: 50

Candidate Starts for Casend_34:

(28, 22547), (Start: 50 @22604 has 39 MA's), (54, 22640), (92, 22814), (94, 22835), (105, 22880), (108, 22889), (130, 22994), (134, 23003),

Gene: Caspiboi_26 Start: 18381, Stop: 18803, Start Num: 42

Candidate Starts for Caspiboi_26:

(Start: 42 @18381 has 54 MA's), (Start: 70 @18504 has 1 MA's), (Start: 71 @18510 has 1 MA's), (72, 18516), (89, 18579), (94, 18621), (116, 18699), (122, 18747), (125, 18771), (131, 18789), (132, 18795),

Gene: Cepens_19 Start: 18194, Stop: 18604, Start Num: 49

Candidate Starts for Cepens_19:

(Start: 49 @18194 has 8 MA's), (66, 18269), (Start: 71 @18314 has 1 MA's), (72, 18320), (82, 18362), (89, 18386), (92, 18407), (115, 18509), (122, 18554),

Gene: ChadMasterC_30 Start: 23885, Stop: 24319, Start Num: 45

Candidate Starts for ChadMasterC_30:

(31, 23855), (Start: 45 @23885 has 110 MA's), (64, 23969), (73, 24044), (81, 24068), (96, 24146), (100, 24167), (119, 24239), (125, 24290),

Gene: Chaelin_24 Start: 18361, Stop: 18783, Start Num: 42

Candidate Starts for Chaelin_24:

(Start: 42 @18361 has 54 MA's), (63, 18433), (Start: 70 @18484 has 1 MA's), (Start: 71 @18490 has 1 MA's), (72, 18496), (89, 18559), (94, 18601), (116, 18679), (122, 18727), (125, 18751), (131, 18769), (132, 18775),

Gene: Chah_26 Start: 18818, Stop: 19117, Start Num: 70

Candidate Starts for Chah_26:

(26, 18629), (Start: 43 @18695 has 242 MA's), (Start: 70 @18818 has 1 MA's), (Start: 71 @18824 has 1 MA's), (72, 18830), (89, 18893), (94, 18935), (109, 18986), (116, 19013), (122, 19061), (125, 19085), (131, 19103), (132, 19109),

Gene: Charles1_25 Start: 18659, Stop: 19081, Start Num: 43

Candidate Starts for Charles1_25:

(26, 18593), (Start: 43 @18659 has 242 MA's), (Start: 70 @18782 has 1 MA's), (Start: 71 @18788 has 1 MA's), (72, 18794), (89, 18857), (94, 18899), (116, 18977), (122, 19025), (125, 19049), (131, 19067), (132, 19073),

Gene: CharlieGBrown_24 Start: 18246, Stop: 18668, Start Num: 42

Candidate Starts for CharlieGBrown_24:

(Start: 42 @18246 has 54 MA's), (Start: 70 @18369 has 1 MA's), (Start: 71 @18375 has 1 MA's), (72, 18381), (89, 18444), (94, 18486), (116, 18564), (122, 18612), (125, 18636), (131, 18654), (132, 18660),

Gene: CharlottesWeb_22 Start: 17120, Stop: 17533, Start Num: 45

Candidate Starts for CharlottesWeb_22:

(Start: 37 @17099 has 1 MA's), (Start: 45 @17120 has 110 MA's), (52, 17162), (65, 17201), (Start: 71 @17246 has 1 MA's), (72, 17252), (85, 17300),

Gene: Charming_30 Start: 22736, Stop: 23170, Start Num: 45

Candidate Starts for Charming_30:

(31, 22706), (Start: 45 @22736 has 110 MA's), (64, 22820), (73, 22895), (81, 22919), (96, 22997), (100, 23018), (119, 23090), (125, 23141),

Gene: CheetO_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for CheetO_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Cher_24 Start: 18400, Stop: 18822, Start Num: 43

Candidate Starts for Cher_24:

(26, 18334), (Start: 43 @18400 has 242 MA's), (Start: 70 @18523 has 1 MA's), (Start: 71 @18529 has 1 MA's), (72, 18535), (89, 18598), (94, 18640), (116, 18718), (122, 18766), (125, 18790), (131, 18808), (132, 18814),

Gene: CherryCola_30 Start: 18503, Stop: 18946, Start Num: 45

Candidate Starts for CherryCola_30:

(Start: 45 @18503 has 110 MA's), (96, 18764), (125, 18920),

Gene: Chickadee_27 Start: 19601, Stop: 20032, Start Num: 45

Candidate Starts for Chickadee_27:

(17, 19433), (Start: 45 @19601 has 110 MA's), (64, 19685), (73, 19760), (99, 19880), (103, 19895), (119, 19955), (121, 19964), (124, 20003), (125, 20006),

Gene: Childish_24 Start: 18388, Stop: 18810, Start Num: 43

Candidate Starts for Childish_24:

(26, 18322), (Start: 43 @18388 has 242 MA's), (Start: 70 @18511 has 1 MA's), (Start: 71 @18517 has 1 MA's), (72, 18523), (89, 18586), (94, 18628), (116, 18706), (122, 18754), (125, 18778), (131, 18796), (132, 18802),

Gene: Chorkpop_25 Start: 18399, Stop: 18821, Start Num: 43

Candidate Starts for Chorkpop_25:

(26, 18333), (Start: 43 @18399 has 242 MA's), (Start: 70 @18522 has 1 MA's), (Start: 71 @18528 has 1 MA's), (72, 18534), (89, 18597), (94, 18639), (109, 18690), (116, 18717), (122, 18765), (125, 18789), (131, 18807), (132, 18813),

Gene: ChrisnMich_22 Start: 18293, Stop: 18706, Start Num: 48

Candidate Starts for ChrisnMich_22:

(Start: 48 @18293 has 25 MA's), (Start: 70 @18407 has 1 MA's), (Start: 71 @18413 has 1 MA's), (72, 18419), (80, 18455), (90, 18494), (93, 18506), (94, 18524), (116, 18602), (124, 18671), (132, 18698),

Gene: Chunky_25 Start: 18687, Stop: 19109, Start Num: 43

Candidate Starts for Chunky_25:

(26, 18621), (Start: 43 @18687 has 242 MA's), (Start: 70 @18810 has 1 MA's), (Start: 71 @18816 has 1 MA's), (72, 18822), (89, 18885), (94, 18927), (116, 19005), (122, 19053), (125, 19077), (131, 19095), (132, 19101),

Gene: Chute_24 Start: 18712, Stop: 19134, Start Num: 42

Candidate Starts for Chute_24:

(Start: 42 @18712 has 54 MA's), (63, 18784), (Start: 70 @18835 has 1 MA's), (Start: 71 @18841 has 1 MA's), (72, 18847), (89, 18910), (94, 18952), (116, 19030), (122, 19078), (125, 19102), (131, 19120), (132, 19126),

Gene: ClamChowder_28 Start: 18286, Stop: 18729, Start Num: 45

Candidate Starts for ClamChowder_28:

(Start: 45 @18286 has 110 MA's), (96, 18547), (125, 18703),

Gene: Clawz_53 Start: 29439, Stop: 29873, Start Num: 41

Candidate Starts for Clawz_53:

(Start: 41 @29439 has 3 MA's), (62, 29511), (66, 29526), (Start: 70 @29565 has 1 MA's), (87, 29637), (89, 29643), (94, 29685), (98, 29709), (107, 29733), (115, 29763), (118, 29778),

Gene: CloverMinnie_24 Start: 18544, Stop: 18954, Start Num: 45

Candidate Starts for CloverMinnie_24:

(Start: 45 @18544 has 110 MA's), (77, 18706), (82, 18718), (94, 18784), (98, 18808), (113, 18847), (116, 18862), (125, 18934),

Gene: Clown_30 Start: 20227, Stop: 20670, Start Num: 45

Candidate Starts for Clown_30:

(21, 20125), (24, 20134), (Start: 45 @20227 has 110 MA's), (59, 20299), (125, 20644),

Gene: Cobra_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for Cobra_25:

(26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Coffee_27 Start: 20947, Stop: 21375, Start Num: 43

Candidate Starts for Coffee_27:

(34, 20920), (Start: 43 @20947 has 242 MA's), (Start: 50 @20962 has 39 MA's), (Start: 71 @21079 has 1 MA's), (72, 21085), (75, 21112), (85, 21133), (89, 21151), (116, 21271), (117, 21277), (124, 21340), (132, 21367),

Gene: Colbert_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Colbert_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: ColdSoup_54 Start: 29535, Stop: 29960, Start Num: 41

Candidate Starts for ColdSoup_54:

(Start: 41 @29535 has 3 MA's), (87, 29733), (98, 29805), (115, 29859), (118, 29874),

Gene: Coldpizza_25 Start: 21451, Stop: 21861, Start Num: 45

Candidate Starts for Coldpizza_25:

(Start: 45 @21451 has 110 MA's), (56, 21505), (58, 21508), (65, 21532), (72, 21583), (90, 21661),

Gene: Coletti_24 Start: 18712, Stop: 19134, Start Num: 42

Candidate Starts for Coletti_24:

(Start: 42 @18712 has 54 MA's), (63, 18784), (Start: 70 @18835 has 1 MA's), (Start: 71 @18841 has 1 MA's), (72, 18847), (89, 18910), (94, 18952), (116, 19030), (122, 19078), (125, 19102), (131, 19120), (132, 19126),

Gene: Cooper_23 Start: 18410, Stop: 18823, Start Num: 48

Candidate Starts for Cooper_23:

(Start: 48 @18410 has 25 MA's), (Start: 71 @18530 has 1 MA's), (72, 18536), (80, 18572), (89, 18599), (93, 18623), (94, 18641), (116, 18719), (124, 18788), (132, 18815),

Gene: Cornobble_24 Start: 18235, Stop: 18657, Start Num: 43

Candidate Starts for Cornobble_24:

(26, 18169), (Start: 43 @18235 has 242 MA's), (Start: 70 @18358 has 1 MA's), (Start: 71 @18364 has 1 MA's), (72, 18370), (89, 18433), (94, 18475), (116, 18553), (122, 18601), (125, 18625), (131, 18643), (132, 18649),

Gene: Cosmolli16_24 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for Cosmolli16_24:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (109, 18685), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: CoveyB_29 Start: 18086, Stop: 18529, Start Num: 45

Candidate Starts for CoveyB_29:

(Start: 45 @18086 has 110 MA's), (96, 18347), (125, 18503),

Gene: Craff_25 Start: 18681, Stop: 19103, Start Num: 43

Candidate Starts for Craff_25:

(26, 18615), (Start: 43 @18681 has 242 MA's), (Start: 70 @18804 has 1 MA's), (Start: 71 @18810 has 1 MA's), (72, 18816), (89, 18879), (94, 18921), (116, 18999), (122, 19047), (125, 19071), (131, 19089), (132, 19095),

Gene: Crownjwl_25 Start: 18448, Stop: 18870, Start Num: 43

Candidate Starts for Crownjwl_25:

(26, 18382), (Start: 43 @18448 has 242 MA's), (Start: 70 @18571 has 1 MA's), (Start: 71 @18577 has 1 MA's), (72, 18583), (89, 18646), (94, 18688), (116, 18766), (122, 18814), (125, 18838), (131, 18856), (132, 18862),

Gene: D12_19 Start: 18187, Stop: 18597, Start Num: 49

Candidate Starts for D12_19:

(Start: 49 @18187 has 8 MA's), (66, 18262), (Start: 71 @18307 has 1 MA's), (72, 18313), (82, 18355), (89, 18379), (92, 18400), (115, 18502), (122, 18547),

Gene: DaddyDaniels_25 Start: 18373, Stop: 18795, Start Num: 42

Candidate Starts for DaddyDaniels_25:

(Start: 42 @18373 has 54 MA's), (Start: 70 @18496 has 1 MA's), (Start: 71 @18502 has 1 MA's), (72, 18508), (89, 18571), (94, 18613), (116, 18691), (122, 18739), (125, 18763), (131, 18781), (132, 18787),

Gene: Daffy_25 Start: 18400, Stop: 18822, Start Num: 43

Candidate Starts for Daffy_25:

(26, 18334), (Start: 43 @18400 has 242 MA's), (Start: 70 @18523 has 1 MA's), (Start: 71 @18529 has 1 MA's), (72, 18535), (89, 18598), (94, 18640), (116, 18718), (122, 18766), (125, 18790), (131, 18808), (132, 18814),

Gene: Daka_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Daka_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Danyall_28 Start: 18086, Stop: 18529, Start Num: 45

Candidate Starts for Danyall_28:

(Start: 45 @18086 has 110 MA's), (96, 18347), (125, 18503),

Gene: Dati_25 Start: 18390, Stop: 18812, Start Num: 42

Candidate Starts for Dati_25:

(Start: 42 @18390 has 54 MA's), (Start: 70 @18513 has 1 MA's), (Start: 71 @18519 has 1 MA's), (72, 18525), (89, 18588), (94, 18630), (116, 18708), (122, 18756), (125, 18780), (131, 18798), (132, 18804),

Gene: DelRivs_24 Start: 18389, Stop: 18811, Start Num: 42

Candidate Starts for DelRivs_24:

(Start: 42 @18389 has 54 MA's), (Start: 71 @18518 has 1 MA's), (72, 18524), (89, 18587), (94, 18629), (116, 18707), (122, 18755), (125, 18779), (131, 18797), (132, 18803),

Gene: Delrey21_29 Start: 23097, Stop: 23528, Start Num: 45

Candidate Starts for Delrey21_29:

(33, 23070), (Start: 45 @23097 has 110 MA's), (64, 23181), (68, 23211), (69, 23226), (73, 23256), (79, 23277), (96, 23358), (97, 23364), (103, 23391), (116, 23436), (119, 23451), (124, 23499), (125, 23502),

Gene: Derg_27 Start: 21689, Stop: 22123, Start Num: 38

Candidate Starts for Derg_27:

(Start: 38 @21689 has 7 MA's), (53, 21743), (64, 21773), (73, 21848), (96, 21950), (100, 21971), (119, 22043), (125, 22094),

Gene: Derpp_24 Start: 18236, Stop: 18658, Start Num: 42

Candidate Starts for Derpp_24:

(Start: 42 @18236 has 54 MA's), (Start: 70 @18359 has 1 MA's), (Start: 71 @18365 has 1 MA's), (72, 18371), (89, 18434), (94, 18476), (116, 18554), (122, 18602), (125, 18626), (131, 18644), (132, 18650),

Gene: Dxdert_28 Start: 20032, Stop: 20463, Start Num: 45

Candidate Starts for Dxdert_28:

(Start: 45 @20032 has 110 MA's), (64, 20116), (73, 20191), (79, 20212), (99, 20311), (103, 20326), (119, 20386), (124, 20434), (125, 20437), (127, 20446),

Gene: Dice_24 Start: 18377, Stop: 18799, Start Num: 43

Candidate Starts for Dice_24:

(26, 18311), (Start: 43 @18377 has 242 MA's), (Start: 70 @18500 has 1 MA's), (Start: 71 @18506 has 1 MA's), (72, 18512), (89, 18575), (94, 18617), (116, 18695), (122, 18743), (125, 18767), (131, 18785), (132, 18791),

Gene: DigitDog_25 Start: 18981, Stop: 19397, Start Num: 47

Candidate Starts for DigitDog_25:

(Start: 47 @18981 has 18 MA's), (89, 19173), (94, 19215), (109, 19266), (133, 19392),

Gene: Dingo_25 Start: 18661, Stop: 19083, Start Num: 43

Candidate Starts for Dingo_25:

(26, 18595), (Start: 43 @18661 has 242 MA's), (Start: 70 @18784 has 1 MA's), (Start: 71 @18790 has 1 MA's), (72, 18796), (89, 18859), (94, 18901), (116, 18979), (122, 19027), (125, 19051), (131, 19069), (132, 19075),

Gene: Dione_24 Start: 18378, Stop: 18800, Start Num: 43

Candidate Starts for Dione_24:

(26, 18312), (Start: 43 @18378 has 242 MA's), (Start: 70 @18501 has 1 MA's), (Start: 71 @18507 has 1 MA's), (72, 18513), (89, 18576), (94, 18618), (116, 18696), (122, 18744), (125, 18768), (131, 18786), (132, 18792),

Gene: DirtJuice_25 Start: 18663, Stop: 19085, Start Num: 43

Candidate Starts for DirtJuice_25:

(26, 18597), (Start: 43 @18663 has 242 MA's), (Start: 70 @18786 has 1 MA's), (Start: 71 @18792 has 1 MA's), (72, 18798), (89, 18861), (94, 18903), (116, 18981), (122, 19029), (125, 19053), (131, 19071), (132, 19077),

Gene: DoctorFroggo_29 Start: 23097, Stop: 23528, Start Num: 45

Candidate Starts for DoctorFroggo_29:

(33, 23070), (Start: 45 @23097 has 110 MA's), (64, 23181), (68, 23211), (69, 23226), (73, 23256), (79, 23277), (96, 23358), (97, 23364), (103, 23391), (116, 23436), (119, 23451), (124, 23499), (125, 23502),

Gene: Doddsville_25 Start: 18390, Stop: 18812, Start Num: 42

Candidate Starts for Doddsville_25:

(Start: 42 @18390 has 54 MA's), (Start: 70 @18513 has 1 MA's), (Start: 71 @18519 has 1 MA's), (72, 18525), (89, 18588), (94, 18630), (116, 18708), (122, 18756), (125, 18780), (131, 18798), (132, 18804),

Gene: DoesntMatter_25 Start: 18659, Stop: 19081, Start Num: 43

Candidate Starts for DoesntMatter_25:

(26, 18593), (Start: 43 @18659 has 242 MA's), (Start: 70 @18782 has 1 MA's), (Start: 71 @18788 has 1 MA's), (72, 18794), (89, 18857), (94, 18899), (109, 18950), (116, 18977), (122, 19025), (125, 19049), (131, 19067), (132, 19073),

Gene: DonSanchon_24 Start: 18376, Stop: 18798, Start Num: 43

Candidate Starts for DonSanchon_24:

(26, 18310), (Start: 43 @18376 has 242 MA's), (Start: 70 @18499 has 1 MA's), (Start: 71 @18505 has 1 MA's), (72, 18511), (89, 18574), (94, 18616), (116, 18694), (122, 18742), (125, 18766), (131, 18784), (132, 18790),

Gene: DonTron_53 Start: 29575, Stop: 30000, Start Num: 41

Candidate Starts for DonTron_53:

(Start: 41 @29575 has 3 MA's), (87, 29773), (98, 29845), (115, 29899), (118, 29914),

Gene: DonaldDuck_33 Start: 21950, Stop: 22354, Start Num: 50

Candidate Starts for DonaldDuck_33:

(28, 21893), (Start: 50 @21950 has 39 MA's), (54, 21986), (92, 22160), (94, 22181), (105, 22226), (108, 22235), (130, 22340), (134, 22349),

Gene: Donny_25 Start: 19394, Stop: 19810, Start Num: 47

Candidate Starts for Donny_25:

(Start: 47 @19394 has 18 MA's), (60, 19454), (72, 19523), (94, 19628), (101, 19658), (133, 19805),

Gene: DuchessDung_23 Start: 17527, Stop: 17949, Start Num: 42

Candidate Starts for DuchessDung_23:

(Start: 42 @17527 has 54 MA's), (Start: 70 @17650 has 1 MA's), (Start: 71 @17656 has 1 MA's), (72, 17662), (89, 17725), (94, 17767), (116, 17845), (122, 17893), (125, 17917), (131, 17935), (132, 17941),

Gene: Duggie_24 Start: 18392, Stop: 18814, Start Num: 42

Candidate Starts for Duggie_24:

(Start: 42 @18392 has 54 MA's), (Start: 70 @18515 has 1 MA's), (Start: 71 @18521 has 1 MA's), (72, 18527), (89, 18590), (94, 18632), (116, 18710), (122, 18758), (125, 18782), (131, 18800), (132, 18806),

Gene: Durga_25 Start: 18689, Stop: 19111, Start Num: 42

Candidate Starts for Durga_25:

(Start: 42 @18689 has 54 MA's), (Start: 70 @18812 has 1 MA's), (Start: 71 @18818 has 1 MA's), (72, 18824), (89, 18887), (94, 18929), (116, 19007), (122, 19055), (125, 19079), (131, 19097), (132, 19103),

Gene: EMoore_26 Start: 21587, Stop: 22018, Start Num: 45

Candidate Starts for EMoore_26:

(27, 21536), (33, 21560), (36, 21563), (Start: 45 @21587 has 110 MA's), (64, 21671), (69, 21716), (96, 21848), (116, 21926), (121, 21950), (124, 21989), (125, 21992),

Gene: Eaglehorse_27 Start: 20855, Stop: 21283, Start Num: 43

Candidate Starts for Eaglehorse_27:

(34, 20828), (Start: 43 @20855 has 242 MA's), (Start: 50 @20870 has 39 MA's), (Start: 71 @20987 has 1 MA's), (72, 20993), (75, 21020), (85, 21041), (89, 21059), (116, 21179), (117, 21185), (124, 21248), (132, 21275),

Gene: EastView9101_24 Start: 19041, Stop: 19457, Start Num: 47

Candidate Starts for EastView9101_24:

(Start: 47 @19041 has 18 MA's), (72, 19170), (89, 19233), (133, 19452),

Gene: EdmundFerry_26 Start: 19630, Stop: 20061, Start Num: 45

Candidate Starts for EdmundFerry_26:

(17, 19462), (Start: 45 @19630 has 110 MA's), (64, 19714), (73, 19789), (99, 19909), (103, 19924), (119, 19984), (121, 19993), (124, 20032), (125, 20035),

Gene: ElvisPhasley_25 Start: 18780, Stop: 19130, Start Num: 63

Candidate Starts for ElvisPhasley_25:

(Start: 42 @18708 has 54 MA's), (63, 18780), (Start: 70 @18831 has 1 MA's), (Start: 71 @18837 has 1 MA's), (72, 18843), (89, 18906), (94, 18948), (116, 19026), (122, 19074), (125, 19098), (131, 19116), (132, 19122),

Gene: Emiris_25 Start: 18670, Stop: 19092, Start Num: 43

Candidate Starts for Emiris_25:

(26, 18604), (Start: 43 @18670 has 242 MA's), (Start: 70 @18793 has 1 MA's), (Start: 71 @18799 has 1 MA's), (72, 18805), (89, 18868), (94, 18910), (116, 18988), (122, 19036), (125, 19060), (131, 19078), (132, 19084),

Gene: EmpTee_25 Start: 18676, Stop: 19098, Start Num: 43

Candidate Starts for EmpTee_25:

(26, 18610), (Start: 43 @18676 has 242 MA's), (Start: 70 @18799 has 1 MA's), (Start: 71 @18805 has 1 MA's), (72, 18811), (89, 18874), (94, 18916), (116, 18994), (122, 19042), (125, 19066), (131, 19084), (132, 19090),

Gene: Epah_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Epah_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Eremos_25 Start: 18676, Stop: 19098, Start Num: 43

Candidate Starts for Eremos_25:

(26, 18610), (Start: 43 @18676 has 242 MA's), (Start: 70 @18799 has 1 MA's), (Start: 71 @18805 has 1 MA's), (72, 18811), (89, 18874), (94, 18916), (116, 18994), (122, 19042), (125, 19066), (131, 19084), (132, 19090),

Gene: Etaye_25 Start: 18662, Stop: 19084, Start Num: 42

Candidate Starts for Etaye_25:

(Start: 42 @18662 has 54 MA's), (Start: 70 @18785 has 1 MA's), (Start: 71 @18791 has 1 MA's), (72, 18797), (89, 18860), (94, 18902), (116, 18980), (122, 19028), (125, 19052), (131, 19070), (132, 19076),

Gene: Eugenia_25 Start: 18689, Stop: 19111, Start Num: 43

Candidate Starts for Eugenia_25:

(26, 18623), (Start: 43 @18689 has 242 MA's), (Start: 70 @18812 has 1 MA's), (Start: 71 @18818 has 1 MA's), (72, 18824), (89, 18887), (94, 18929), (116, 19007), (122, 19055), (125, 19079), (131, 19097), (132, 19103),

Gene: Evaa_23 Start: 18465, Stop: 18881, Start Num: 45

Candidate Starts for Evaa_23:

(Start: 45 @18465 has 110 MA's), (65, 18549), (72, 18600), (83, 18645), (98, 18732), (107, 18756),

Gene: Evamon_26 Start: 17572, Stop: 18015, Start Num: 45

Candidate Starts for Evamon_26:

(Start: 45 @17572 has 110 MA's), (96, 17833), (125, 17989),

Gene: EverythinBagel_33 Start: 22338, Stop: 22736, Start Num: 50

Candidate Starts for EverythinBagel_33:

(30, 22284), (Start: 50 @22338 has 39 MA's), (54, 22374), (92, 22548), (94, 22569), (105, 22614), (108, 22623),

Gene: Fanaw_22 Start: 18998, Stop: 19411, Start Num: 48

Candidate Starts for Fanaw_22:

(Start: 48 @18998 has 25 MA's), (Start: 70 @19112 has 1 MA's), (Start: 71 @19118 has 1 MA's), (72, 19124), (80, 19160), (90, 19199), (93, 19211), (94, 19229), (116, 19307), (132, 19403),

Gene: Fang_25 Start: 18690, Stop: 19112, Start Num: 43

Candidate Starts for Fang_25:

(26, 18624), (Start: 43 @18690 has 242 MA's), (Start: 70 @18813 has 1 MA's), (Start: 71 @18819 has 1 MA's), (72, 18825), (89, 18888), (94, 18930), (116, 19008), (122, 19056), (125, 19080), (131, 19098), (132, 19104),

Gene: Faze9_27 Start: 20951, Stop: 21379, Start Num: 43

Candidate Starts for Faze9_27:

(34, 20924), (Start: 43 @20951 has 242 MA's), (Start: 50 @20966 has 39 MA's), (Start: 71 @21083 has 1 MA's), (72, 21089), (75, 21116), (85, 21137), (89, 21155), (116, 21275), (117, 21281), (124,

21344), (132, 21371),

Gene: Fireball_27 Start: 17704, Stop: 18147, Start Num: 45

Candidate Starts for Fireball_27:

(Start: 45 @17704 has 110 MA's), (96, 17965), (125, 18121),

Gene: Fitzgerald_28 Start: 23319, Stop: 23753, Start Num: 45

Candidate Starts for Fitzgerald_28:

(31, 23289), (Start: 45 @23319 has 110 MA's), (64, 23403), (73, 23478), (96, 23580), (100, 23601), (119, 23673), (125, 23724),

Gene: Fizzles_33 Start: 21660, Stop: 22067, Start Num: 50

Candidate Starts for Fizzles_33:

(30, 21606), (Start: 50 @21660 has 39 MA's), (51, 21672), (54, 21696), (94, 21891), (105, 21936), (108, 21945), (121, 21993), (130, 22053), (134, 22062),

Gene: Flatwoods_30 Start: 22050, Stop: 22484, Start Num: 38

Candidate Starts for Flatwoods_30:

(Start: 38 @22050 has 7 MA's), (53, 22104), (64, 22134), (73, 22209), (96, 22311), (100, 22332), (119, 22404), (125, 22455),

Gene: FluffyNinja_25 Start: 18682, Stop: 19104, Start Num: 43

Candidate Starts for FluffyNinja_25:

(26, 18616), (Start: 43 @18682 has 242 MA's), (Start: 70 @18805 has 1 MA's), (Start: 71 @18811 has 1 MA's), (72, 18817), (89, 18880), (94, 18922), (116, 19000), (122, 19048), (125, 19072), (131, 19090), (132, 19096),

Gene: ForDig_22 Start: 17846, Stop: 18259, Start Num: 42

Candidate Starts for ForDig_22:

(Start: 42 @17846 has 54 MA's), (80, 18014), (89, 18041), (94, 18083), (115, 18158),

Gene: Fortunato_23 Start: 19330, Stop: 19743, Start Num: 48

Candidate Starts for Fortunato_23:

(Start: 48 @19330 has 25 MA's), (Start: 70 @19444 has 1 MA's), (Start: 71 @19450 has 1 MA's), (72, 19456), (80, 19492), (90, 19531), (93, 19543), (94, 19561), (116, 19639), (119, 19654), (124, 19708), (125, 19711), (132, 19735),

Gene: Fosterous_28 Start: 23152, Stop: 23586, Start Num: 45

Candidate Starts for Fosterous_28:

(31, 23122), (Start: 45 @23152 has 110 MA's), (64, 23236), (73, 23311), (81, 23335), (96, 23413), (119, 23506), (125, 23557),

Gene: Fozzie_24 Start: 18685, Stop: 19107, Start Num: 43

Candidate Starts for Fozzie_24:

(26, 18619), (Start: 43 @18685 has 242 MA's), (Start: 70 @18808 has 1 MA's), (Start: 71 @18814 has 1 MA's), (72, 18820), (89, 18883), (94, 18925), (116, 19003), (122, 19051), (125, 19075), (131, 19093), (132, 19099),

Gene: FrankDeliGuy_31 Start: 21910, Stop: 22314, Start Num: 50

Candidate Starts for FrankDeliGuy_31:

(Start: 50 @21910 has 39 MA's), (51, 21922), (92, 22120), (94, 22141), (105, 22186), (108, 22195), (130, 22300), (134, 22309),

Gene: Frankicide_25 Start: 18676, Stop: 19098, Start Num: 43

Candidate Starts for Frankicide_25:

(26, 18610), (Start: 43 @18676 has 242 MA's), (Start: 70 @18799 has 1 MA's), (Start: 71 @18805 has 1 MA's), (72, 18811), (89, 18874), (94, 18916), (116, 18994), (122, 19042), (125, 19066), (131, 19084), (132, 19090),

Gene: Fransoyer_35 Start: 21775, Stop: 22191, Start Num: 50

Candidate Starts for Fransoyer_35:

(20, 21652), (35, 21742), (Start: 50 @21775 has 39 MA's), (Start: 70 @21886 has 1 MA's), (110, 22072), (112, 22075), (134, 22186),

Gene: Frederick_23 Start: 19339, Stop: 19752, Start Num: 48

Candidate Starts for Frederick_23:

(Start: 48 @19339 has 25 MA's), (Start: 70 @19453 has 1 MA's), (Start: 71 @19459 has 1 MA's), (72, 19465), (80, 19501), (90, 19540), (93, 19552), (94, 19570), (116, 19648), (119, 19663), (124, 19717), (125, 19720), (132, 19744),

Gene: Fregley_33 Start: 21097, Stop: 21492, Start Num: 50

Candidate Starts for Fregley_33:

(Start: 50 @21097 has 39 MA's), (59, 21148), (78, 21256), (94, 21331), (114, 21397), (130, 21484),

Gene: FrenchFry_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for FrenchFry_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: Fresco_22 Start: 17225, Stop: 17635, Start Num: 45

Candidate Starts for Fresco_22:

(Start: 45 @17225 has 110 MA's), (65, 17306), (Start: 70 @17345 has 1 MA's), (72, 17357), (82, 17399), (85, 17405), (89, 17423), (107, 17513),

Gene: Freya_24 Start: 18371, Stop: 18793, Start Num: 43

Candidate Starts for Freya_24:

(26, 18305), (Start: 43 @18371 has 242 MA's), (Start: 70 @18494 has 1 MA's), (Start: 71 @18500 has 1 MA's), (72, 18506), (89, 18569), (94, 18611), (116, 18689), (122, 18737), (125, 18761), (131, 18779), (132, 18785),

Gene: FriarPreacher_25 Start: 18696, Stop: 19118, Start Num: 43

Candidate Starts for FriarPreacher_25:

(26, 18630), (Start: 43 @18696 has 242 MA's), (Start: 70 @18819 has 1 MA's), (Start: 71 @18825 has 1 MA's), (72, 18831), (89, 18894), (94, 18936), (116, 19014), (122, 19062), (125, 19086), (131, 19104), (132, 19110),

Gene: Fringe_25 Start: 18660, Stop: 19082, Start Num: 43

Candidate Starts for Fringe_25:

(26, 18594), (Start: 43 @18660 has 242 MA's), (Start: 70 @18783 has 1 MA's), (Start: 71 @18789 has 1 MA's), (72, 18795), (89, 18858), (94, 18900), (116, 18978), (122, 19026), (125, 19050), (131, 19068), (132, 19074),

Gene: FuegoCuervo_32 Start: 21703, Stop: 22137, Start Num: 45

Candidate Starts for FuegoCuervo_32:

(31, 21664), (Start: 45 @21703 has 110 MA's), (64, 21787), (73, 21862), (96, 21964), (100, 21985), (119, 22057), (125, 22108),

Gene: FugateOSU_24 Start: 18382, Stop: 18804, Start Num: 43

Candidate Starts for FugateOSU_24:

(26, 18316), (Start: 43 @18382 has 242 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (109, 18673), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: Fugax_28 Start: 18286, Stop: 18729, Start Num: 45

Candidate Starts for Fugax_28:

(Start: 45 @18286 has 110 MA's), (96, 18547), (125, 18703),

Gene: Funsized_28 Start: 21759, Stop: 22175, Start Num: 47

Candidate Starts for Funsized_28:

(Start: 47 @21759 has 18 MA's), (Start: 71 @21882 has 1 MA's), (72, 21888), (80, 21924), (94, 21993), (109, 22044), (116, 22071), (119, 22086), (132, 22167),

Gene: GTE6_27 Start: 20119, Stop: 20550, Start Num: 45

Candidate Starts for GTE6_27:

(17, 19951), (Start: 45 @20119 has 110 MA's), (64, 20203), (73, 20278), (99, 20398), (103, 20413), (121, 20482), (124, 20521), (125, 20524),

Gene: Gaea_29 Start: 21701, Stop: 22135, Start Num: 38

Candidate Starts for Gaea_29:

(Start: 38 @21701 has 7 MA's), (53, 21755), (64, 21785), (73, 21860), (96, 21962), (100, 21983), (119, 22055), (125, 22106),

Gene: Galadriel_30 Start: 23641, Stop: 24075, Start Num: 45

Candidate Starts for Galadriel_30:

(31, 23611), (Start: 45 @23641 has 110 MA's), (64, 23725), (73, 23800), (81, 23824), (96, 23902), (119, 23995), (125, 24046),

Gene: Gareth_24 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for Gareth_24:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: Gazebo_32 Start: 22390, Stop: 22803, Start Num: 50

Candidate Starts for Gazebo_32:

(28, 22333), (Start: 50 @22390 has 39 MA's), (66, 22462), (78, 22549), (104, 22666), (108, 22681),

Gene: GeneCoco_25 Start: 18681, Stop: 19103, Start Num: 42

Candidate Starts for GeneCoco_25:

(Start: 42 @18681 has 54 MA's), (Start: 70 @18804 has 1 MA's), (Start: 71 @18810 has 1 MA's), (72, 18816), (89, 18879), (94, 18921), (116, 18999), (122, 19047), (125, 19071), (131, 19089), (132, 19095),

Gene: Geodirt_27 Start: 22624, Stop: 23058, Start Num: 45

Candidate Starts for Geodirt_27:

(31, 22594), (Start: 45 @22624 has 110 MA's), (64, 22708), (73, 22783), (81, 22807), (96, 22885), (119, 22978), (125, 23029),

Gene: Gezellig_27 Start: 17704, Stop: 18147, Start Num: 45

Candidate Starts for Gezellig_27:

(Start: 45 @17704 has 110 MA's), (96, 17965), (125, 18121),

Gene: GinPorsche_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for GinPorsche_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Giraffe_25 Start: 18384, Stop: 18806, Start Num: 43

Candidate Starts for Giraffe_25:

(26, 18318), (Start: 43 @18384 has 242 MA's), (Start: 70 @18507 has 1 MA's), (Start: 71 @18513 has 1 MA's), (72, 18519), (89, 18582), (94, 18624), (109, 18675), (116, 18702), (122, 18750), (125, 18774), (131, 18792), (132, 18798),

Gene: Glass_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for Glass_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: GodPhather_20 Start: 18473, Stop: 18883, Start Num: 49

Candidate Starts for GodPhather_20:

(Start: 49 @18473 has 8 MA's), (66, 18548), (Start: 71 @18593 has 1 MA's), (72, 18599), (82, 18641), (89, 18665), (92, 18686), (115, 18788), (122, 18833),

Gene: Godines_27 Start: 20847, Stop: 21275, Start Num: 43

Candidate Starts for Godines_27:

(34, 20820), (Start: 43 @20847 has 242 MA's), (Start: 71 @20979 has 1 MA's), (72, 20985), (75, 21012), (85, 21033), (89, 21051), (116, 21171), (117, 21177), (124, 21240), (132, 21267),

Gene: Gophee_25 Start: 18662, Stop: 19084, Start Num: 43

Candidate Starts for Gophee_25:

(26, 18596), (Start: 43 @18662 has 242 MA's), (Start: 70 @18785 has 1 MA's), (Start: 71 @18791 has 1 MA's), (72, 18797), (89, 18860), (94, 18902), (116, 18980), (122, 19028), (125, 19052), (131, 19070), (132, 19076),

Gene: Grand2040_24 Start: 18399, Stop: 18821, Start Num: 43

Candidate Starts for Grand2040_24:

(26, 18333), (Start: 43 @18399 has 242 MA's), (Start: 70 @18522 has 1 MA's), (Start: 71 @18528 has 1 MA's), (72, 18534), (89, 18597), (94, 18639), (109, 18690), (116, 18717), (122, 18765), (125, 18789), (131, 18807), (132, 18813),

Gene: Grassboy_34 Start: 22564, Stop: 22977, Start Num: 50

Candidate Starts for Grassboy_34:

(28, 22507), (Start: 50 @22564 has 39 MA's), (78, 22723), (104, 22840), (108, 22855),

Gene: Gustavo_29 Start: 21853, Stop: 22287, Start Num: 45

Candidate Starts for Gustavo_29:

(40, 21844), (Start: 45 @21853 has 110 MA's), (64, 21937), (73, 22012), (96, 22114), (100, 22135), (116, 22192), (119, 22207), (125, 22258),

Gene: Gwennie1_25 Start: 18793, Stop: 19143, Start Num: 63

Candidate Starts for Gwennie1_25:

(Start: 42 @18721 has 54 MA's), (63, 18793), (Start: 70 @18844 has 1 MA's), (Start: 71 @18850 has 1 MA's), (72, 18856), (89, 18919), (94, 18961), (116, 19039), (122, 19087), (125, 19111), (131, 19129), (132, 19135),

Gene: Gwilliam_25 Start: 18672, Stop: 19094, Start Num: 43

Candidate Starts for Gwilliam_25:

(26, 18606), (Start: 43 @18672 has 242 MA's), (Start: 70 @18795 has 1 MA's), (Start: 71 @18801 has 1 MA's), (72, 18807), (89, 18870), (94, 18912), (116, 18990), (122, 19038), (125, 19062), (131, 19080), (132, 19086),

Gene: Gyarad_0025 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for Gyarad_0025:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: HSavage_25 Start: 18682, Stop: 19104, Start Num: 43

Candidate Starts for HSavage_25:

(26, 18616), (Start: 43 @18682 has 242 MA's), (Start: 70 @18805 has 1 MA's), (Start: 71 @18811 has 1 MA's), (72, 18817), (89, 18880), (94, 18922), (116, 19000), (122, 19048), (125, 19072), (131, 19090), (132, 19096),

Gene: Haimas_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Haimas_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Haleema_24 Start: 18399, Stop: 18821, Start Num: 43

Candidate Starts for Haleema_24:

(26, 18333), (Start: 43 @18399 has 242 MA's), (Start: 70 @18522 has 1 MA's), (Start: 71 @18528 has 1 MA's), (72, 18534), (89, 18597), (94, 18639), (116, 18717), (122, 18765), (125, 18789), (131, 18807), (132, 18813),

Gene: Hally898_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Hally898_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Halo3_27 Start: 17997, Stop: 18440, Start Num: 45

Candidate Starts for Halo3_27:

(Start: 45 @17997 has 110 MA's), (96, 18258), (125, 18414),

Gene: Hamish_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for Hamish_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: Hangman_23 Start: 19331, Stop: 19744, Start Num: 48

Candidate Starts for Hangman_23:

(Start: 48 @19331 has 25 MA's), (Start: 70 @19445 has 1 MA's), (Start: 71 @19451 has 1 MA's), (72, 19457), (80, 19493), (90, 19532), (93, 19544), (94, 19562), (116, 19640), (124, 19709), (125, 19712), (132, 19736),

Gene: Hans_30 Start: 21408, Stop: 21839, Start Num: 45

Candidate Starts for Hans_30:

(14, 21216), (33, 21381), (Start: 45 @21408 has 110 MA's), (64, 21492), (79, 21588), (96, 21669), (97, 21675), (99, 21687), (116, 21747), (121, 21771), (124, 21810), (125, 21813),

Gene: Hartsy_25 Start: 18692, Stop: 19114, Start Num: 42

Candidate Starts for Hartsy_25:

(Start: 42 @18692 has 54 MA's), (63, 18764), (Start: 70 @18815 has 1 MA's), (Start: 71 @18821 has 1 MA's), (72, 18827), (89, 18890), (94, 18932), (116, 19010), (122, 19058), (125, 19082), (131, 19100), (132, 19106),

Gene: Harvey_25 Start: 18698, Stop: 19120, Start Num: 43

Candidate Starts for Harvey_25:

(26, 18632), (Start: 43 @18698 has 242 MA's), (Start: 70 @18821 has 1 MA's), (Start: 71 @18827 has 1 MA's), (72, 18833), (89, 18896), (94, 18938), (116, 19016), (122, 19064), (125, 19088), (131, 19106), (132, 19112),

Gene: Hashim76_29 Start: 19154, Stop: 19570, Start Num: 47

Candidate Starts for Hashim76_29:

(Start: 47 @19154 has 18 MA's), (Start: 71 @19277 has 1 MA's), (74, 19307), (116, 19466), (119, 19481), (132, 19562),

Gene: Heath_22 Start: 18962, Stop: 19375, Start Num: 48

Candidate Starts for Heath_22:

(Start: 48 @18962 has 25 MA's), (Start: 70 @19076 has 1 MA's), (Start: 71 @19082 has 1 MA's), (72, 19088), (80, 19124), (90, 19163), (93, 19175), (94, 19193), (116, 19271), (124, 19340), (125, 19343), (132, 19367),

Gene: Hedgerow_27 Start: 20936, Stop: 21364, Start Num: 43

Candidate Starts for Hedgerow_27:

(34, 20909), (Start: 43 @20936 has 242 MA's), (Start: 50 @20951 has 39 MA's), (Start: 71 @21068 has 1 MA's), (72, 21074), (75, 21101), (85, 21122), (89, 21140), (116, 21260), (117, 21266), (124, 21329), (132, 21356),

Gene: Held_25 Start: 18383, Stop: 18805, Start Num: 43

Candidate Starts for Held_25:

(26, 18317), (Start: 43 @18383 has 242 MA's), (Start: 70 @18506 has 1 MA's), (Start: 71 @18512 has 1 MA's), (72, 18518), (89, 18581), (94, 18623), (116, 18701), (122, 18749), (125, 18773), (131, 18791), (132, 18797),

Gene: HenryJackson_24 Start: 18399, Stop: 18821, Start Num: 43

Candidate Starts for HenryJackson_24:

(26, 18333), (Start: 43 @18399 has 242 MA's), (Start: 70 @18522 has 1 MA's), (Start: 71 @18528 has 1 MA's), (72, 18534), (89, 18597), (94, 18639), (116, 18717), (122, 18765), (125, 18789), (131, 18807), (132, 18813),

Gene: Hertubise_25 Start: 18691, Stop: 19113, Start Num: 43

Candidate Starts for Hertubise_25:

(26, 18625), (Start: 43 @18691 has 242 MA's), (Start: 70 @18814 has 1 MA's), (Start: 71 @18820 has 1 MA's), (72, 18826), (89, 18889), (94, 18931), (116, 19009), (122, 19057), (125, 19081), (131, 19099), (132, 19105),

Gene: Hetaeria_25 Start: 18692, Stop: 19114, Start Num: 43

Candidate Starts for Hetaeria_25:

(26, 18626), (Start: 43 @18692 has 242 MA's), (Start: 70 @18815 has 1 MA's), (Start: 71 @18821 has 1 MA's), (72, 18827), (89, 18890), (94, 18932), (109, 18983), (116, 19010), (122, 19058), (125, 19082), (131, 19100), (132, 19106),

Gene: HighStump_24 Start: 18382, Stop: 18804, Start Num: 43

Candidate Starts for HighStump_24:

(26, 18316), (Start: 43 @18382 has 242 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (109, 18673), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: Hocus_24 Start: 18385, Stop: 18807, Start Num: 42

Candidate Starts for Hocus_24:

(Start: 42 @18385 has 54 MA's), (Start: 70 @18508 has 1 MA's), (Start: 71 @18514 has 1 MA's), (72, 18520), (89, 18583), (94, 18625), (116, 18703), (122, 18751), (125, 18775), (131, 18793), (132, 18799),

Gene: Holeinone_27 Start: 20832, Stop: 21260, Start Num: 43

Candidate Starts for Holeinone_27:

(34, 20805), (Start: 43 @20832 has 242 MA's), (Start: 50 @20847 has 39 MA's), (Start: 71 @20964 has 1 MA's), (72, 20970), (75, 20997), (85, 21018), (89, 21036), (116, 21156), (117, 21162), (124, 21225), (132, 21252),

Gene: Horchata_25 Start: 18661, Stop: 19083, Start Num: 43

Candidate Starts for Horchata_25:

(26, 18595), (Start: 43 @18661 has 242 MA's), (Start: 70 @18784 has 1 MA's), (Start: 71 @18790 has 1 MA's), (72, 18796), (89, 18859), (94, 18901), (116, 18979), (122, 19027), (125, 19051), (131, 19069), (132, 19075),

Gene: Hosp_019 Start: 16062, Stop: 16475, Start Num: 42

Candidate Starts for Hosp_019:

(Start: 42 @16062 has 54 MA's), (67, 16152), (80, 16230), (89, 16257), (94, 16299), (115, 16374),

Gene: Hydro_23 Start: 19336, Stop: 19749, Start Num: 48

Candidate Starts for Hydro_23:

(Start: 48 @19336 has 25 MA's), (Start: 70 @19450 has 1 MA's), (Start: 71 @19456 has 1 MA's), (72, 19462), (80, 19498), (90, 19537), (93, 19549), (94, 19567), (116, 19645), (122, 19693), (124, 19714), (125, 19717), (132, 19741),

Gene: Hyperion_32 Start: 22347, Stop: 22760, Start Num: 50

Candidate Starts for Hyperion_32:

(28, 22290), (Start: 50 @22347 has 39 MA's), (78, 22506), (104, 22623), (108, 22638),

Gene: ImtiyazSitla_24 Start: 18226, Stop: 18648, Start Num: 42

Candidate Starts for ImtiyazSitla_24:

(Start: 42 @18226 has 54 MA's), (Start: 70 @18349 has 1 MA's), (Start: 71 @18355 has 1 MA's), (72, 18361), (89, 18424), (94, 18466), (116, 18544), (122, 18592), (125, 18616), (131, 18634), (132,

18640),

Gene: Imvubu_19 Start: 16429, Stop: 16845, Start Num: 47

Candidate Starts for Imvubu_19:

(Start: 47 @16429 has 18 MA's), (Start: 50 @16438 has 39 MA's), (Start: 71 @16552 has 1 MA's), (90, 16633), (112, 16723), (131, 16831), (132, 16837),

Gene: Inchworm_25 Start: 18668, Stop: 19090, Start Num: 43

Candidate Starts for Inchworm_25:

(26, 18602), (Start: 43 @18668 has 242 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has 1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076), (132, 19082),

Gene: Indlovu_23 Start: 19044, Stop: 19460, Start Num: 42

Candidate Starts for Indlovu_23:

(Start: 42 @19044 has 54 MA's), (80, 19212), (94, 19281), (116, 19359), (124, 19428), (125, 19431),

Gene: Inspectinfecti_29 Start: 21832, Stop: 22263, Start Num: 45

Candidate Starts for Inspectinfecti_29:

(12, 21604), (14, 21640), (33, 21805), (Start: 45 @21832 has 110 MA's), (64, 21916), (79, 22012), (96, 22093), (97, 22099), (99, 22111), (116, 22171), (121, 22195), (124, 22234), (125, 22237),

Gene: Inverness_25 Start: 18682, Stop: 19104, Start Num: 43

Candidate Starts for Inverness_25:

(26, 18616), (Start: 43 @18682 has 242 MA's), (Start: 70 @18805 has 1 MA's), (Start: 71 @18811 has 1 MA's), (72, 18817), (89, 18880), (94, 18922), (116, 19000), (122, 19048), (125, 19072), (131, 19090), (132, 19096),

Gene: Iridessa_25 Start: 18440, Stop: 18790, Start Num: 63

Candidate Starts for Iridessa_25:

(Start: 42 @18368 has 54 MA's), (63, 18440), (Start: 70 @18491 has 1 MA's), (Start: 71 @18497 has 1 MA's), (72, 18503), (89, 18566), (94, 18608), (116, 18686), (122, 18734), (125, 18758), (131, 18776), (132, 18782),

Gene: Iridoclysis_25 Start: 18656, Stop: 19078, Start Num: 43

Candidate Starts for Iridoclysis_25:

(26, 18590), (Start: 43 @18656 has 242 MA's), (Start: 70 @18779 has 1 MA's), (Start: 71 @18785 has 1 MA's), (72, 18791), (89, 18854), (94, 18896), (116, 18974), (122, 19022), (125, 19046), (131, 19064), (132, 19070),

Gene: IsaacEli_25 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for IsaacEli_25:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (109, 18977), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: ItsyBitsy1_27 Start: 20825, Stop: 21253, Start Num: 43

Candidate Starts for ItsyBitsy1_27:

(34, 20798), (Start: 43 @20825 has 242 MA's), (Start: 50 @20840 has 39 MA's), (Start: 71 @20957 has 1 MA's), (72, 20963), (75, 20990), (85, 21011), (89, 21029), (116, 21149), (117, 21155), (124, 21218), (132, 21245),

Gene: JDog_24 Start: 18392, Stop: 18814, Start Num: 42

Candidate Starts for JDog_24:

(Start: 42 @18392 has 54 MA's), (Start: 70 @18515 has 1 MA's), (Start: 71 @18521 has 1 MA's), (72, 18527), (89, 18590), (94, 18632), (116, 18710), (122, 18758), (125, 18782), (131, 18800), (132, 18806),

Gene: JKSyngboy_27 Start: 22410, Stop: 22844, Start Num: 38

Candidate Starts for JKSyngboy_27:

(Start: 38 @22410 has 7 MA's), (53, 22464), (64, 22494), (68, 22524), (73, 22569), (96, 22671), (100, 22692), (119, 22764), (125, 22815),

Gene: Jabberwocky_28 Start: 23780, Stop: 24214, Start Num: 45

Candidate Starts for Jabberwocky_28:

(31, 23750), (Start: 45 @23780 has 110 MA's), (64, 23864), (73, 23939), (81, 23963), (96, 24041), (100, 24062), (119, 24134), (125, 24185),

Gene: JacAttac_25 Start: 18668, Stop: 19090, Start Num: 43

Candidate Starts for JacAttac_25:

(26, 18602), (Start: 43 @18668 has 242 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has 1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076), (132, 19082),

Gene: JaguarMi_23 Start: 18798, Stop: 19211, Start Num: 48

Candidate Starts for JaguarMi_23:

(Start: 48 @18798 has 25 MA's), (Start: 70 @18912 has 1 MA's), (Start: 71 @18918 has 1 MA's), (72, 18924), (80, 18960), (90, 18999), (93, 19011), (94, 19029), (116, 19107), (124, 19176), (125, 19179), (132, 19203),

Gene: JakeO_24 Start: 18392, Stop: 18814, Start Num: 42

Candidate Starts for JakeO_24:

(Start: 42 @18392 has 54 MA's), (Start: 70 @18515 has 1 MA's), (Start: 71 @18521 has 1 MA's), (72, 18527), (89, 18590), (94, 18632), (116, 18710), (122, 18758), (125, 18782), (131, 18800), (132, 18806),

Gene: Jambalaya_26 Start: 17351, Stop: 17794, Start Num: 45

Candidate Starts for Jambalaya_26:

(Start: 45 @17351 has 110 MA's), (96, 17612), (125, 17768),

Gene: JangoPhett_25 Start: 18666, Stop: 19088, Start Num: 43

Candidate Starts for JangoPhett_25:

(26, 18600), (Start: 43 @18666 has 242 MA's), (Start: 70 @18789 has 1 MA's), (Start: 71 @18795 has 1 MA's), (72, 18801), (89, 18864), (94, 18906), (116, 18984), (122, 19032), (125, 19056), (131, 19074), (132, 19080),

Gene: Jehoshaphat_35 Start: 22869, Stop: 23273, Start Num: 50

Candidate Starts for Jehoshaphat_35:

(28, 22812), (Start: 50 @22869 has 39 MA's), (54, 22905), (92, 23079), (94, 23100), (105, 23145), (108, 23154), (130, 23259), (134, 23268),

Gene: Jeon_19 Start: 18215, Stop: 18625, Start Num: 49

Candidate Starts for Jeon_19:

(Start: 49 @18215 has 8 MA's), (66, 18290), (Start: 71 @18335 has 1 MA's), (72, 18341), (82, 18383), (89, 18407), (92, 18428), (115, 18530), (122, 18575),

Gene: Jesabah_25 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for Jesabah_25:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: Jillium_24 Start: 18392, Stop: 18814, Start Num: 43

Candidate Starts for Jillium_24:

(26, 18326), (Start: 43 @18392 has 242 MA's), (Start: 70 @18515 has 1 MA's), (Start: 71 @18521 has 1 MA's), (72, 18527), (89, 18590), (94, 18632), (116, 18710), (122, 18758), (125, 18782), (131, 18800), (132, 18806),

Gene: Jiminy_24 Start: 18230, Stop: 18652, Start Num: 42

Candidate Starts for Jiminy_24:

(Start: 42 @18230 has 54 MA's), (Start: 70 @18353 has 1 MA's), (Start: 71 @18359 has 1 MA's), (72, 18365), (89, 18428), (94, 18470), (116, 18548), (122, 18596), (125, 18620), (131, 18638), (132, 18644),

Gene: Jiraiya_25 Start: 18390, Stop: 18812, Start Num: 43

Candidate Starts for Jiraiya_25:

(26, 18324), (Start: 43 @18390 has 242 MA's), (Start: 70 @18513 has 1 MA's), (Start: 71 @18519 has 1 MA's), (72, 18525), (89, 18588), (94, 18630), (116, 18708), (122, 18756), (125, 18780), (131, 18798), (132, 18804),

Gene: Jolie1_021 Start: 17832, Stop: 18245, Start Num: 42

Candidate Starts for Jolie1_021:

(Start: 42 @17832 has 54 MA's), (80, 18000), (83, 18009), (89, 18027), (115, 18144),

Gene: Jollymon_54 Start: 29535, Stop: 29960, Start Num: 41

Candidate Starts for Jollymon_54:

(Start: 41 @29535 has 3 MA's), (87, 29733), (98, 29805), (115, 29859), (118, 29874),

Gene: Judebell_35 Start: 22375, Stop: 22779, Start Num: 50

Candidate Starts for Judebell_35:

(Start: 50 @22375 has 39 MA's), (51, 22387), (92, 22585), (94, 22606), (105, 22651), (108, 22660), (130, 22765), (134, 22774),

Gene: KLucky39_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for KLucky39_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Kahve_24 Start: 18396, Stop: 18818, Start Num: 43

Candidate Starts for Kahve_24:

(26, 18330), (Start: 43 @18396 has 242 MA's), (Start: 70 @18519 has 1 MA's), (Start: 71 @18525 has 1 MA's), (72, 18531), (89, 18594), (94, 18636), (109, 18687), (116, 18714), (122, 18762), (125, 18786), (131, 18804), (132, 18810),

Gene: Kailash_25 Start: 18704, Stop: 19126, Start Num: 42

Candidate Starts for Kailash_25:

(Start: 42 @18704 has 54 MA's), (63, 18776), (Start: 70 @18827 has 1 MA's), (Start: 71 @18833 has 1 MA's), (72, 18839), (89, 18902), (94, 18944), (116, 19022), (122, 19070), (125, 19094), (131, 19112),

(132, 19118),

Gene: Kaleb_27 Start: 20951, Stop: 21379, Start Num: 43

Candidate Starts for Kaleb_27:

(34, 20924), (Start: 43 @20951 has 242 MA's), (Start: 50 @20966 has 39 MA's), (Start: 71 @21083 has 1 MA's), (72, 21089), (75, 21116), (85, 21137), (89, 21155), (116, 21275), (117, 21281), (124, 21344), (132, 21371),

Gene: Kamashten_29 Start: 23229, Stop: 23663, Start Num: 45

Candidate Starts for Kamashten_29:

(31, 23199), (Start: 45 @23229 has 110 MA's), (64, 23313), (73, 23388), (81, 23412), (96, 23490), (100, 23511), (119, 23583), (125, 23634),

Gene: KarasumaRum_27 Start: 19514, Stop: 19930, Start Num: 47

Candidate Starts for KarasumaRum_27:

(Start: 47 @19514 has 18 MA's), (89, 19706), (109, 19799), (133, 19925),

Gene: Katniss_25 Start: 18694, Stop: 19116, Start Num: 43

Candidate Starts for Katniss_25:

(26, 18628), (Start: 43 @18694 has 242 MA's), (Start: 70 @18817 has 1 MA's), (Start: 71 @18823 has 1 MA's), (72, 18829), (89, 18892), (94, 18934), (116, 19012), (122, 19060), (125, 19084), (131, 19102), (132, 19108),

Gene: KayaCho_21 Start: 17836, Stop: 18249, Start Num: 42

Candidate Starts for KayaCho_21:

(Start: 42 @17836 has 54 MA's), (72, 17968), (80, 18004), (89, 18031), (94, 18073), (115, 18148), (116, 18151),

Gene: Keitabear_30 Start: 24585, Stop: 25019, Start Num: 45

Candidate Starts for Keitabear_30:

(31, 24555), (Start: 45 @24585 has 110 MA's), (64, 24669), (73, 24744), (81, 24768), (96, 24846), (100, 24867), (119, 24939), (125, 24990),

Gene: Keitherie_25 Start: 18714, Stop: 19136, Start Num: 42

Candidate Starts for Keitherie_25:

(Start: 42 @18714 has 54 MA's), (63, 18786), (Start: 70 @18837 has 1 MA's), (Start: 71 @18843 has 1 MA's), (72, 18849), (89, 18912), (94, 18954), (116, 19032), (122, 19080), (125, 19104), (131, 19122), (132, 19128),

Gene: Kelcole_31 Start: 20979, Stop: 21374, Start Num: 50

Candidate Starts for Kelcole_31:

(Start: 50 @20979 has 39 MA's), (Start: 55 @21021 has 1 MA's), (59, 21030), (78, 21138), (104, 21252), (114, 21279), (130, 21366),

Gene: Kewpiedoll_29 Start: 22426, Stop: 22860, Start Num: 45

Candidate Starts for Kewpiedoll_29:

(31, 22396), (Start: 45 @22426 has 110 MA's), (64, 22510), (73, 22585), (81, 22609), (96, 22687), (100, 22708), (119, 22780), (125, 22831),

Gene: Khan1_25 Start: 18410, Stop: 18832, Start Num: 42

Candidate Starts for Khan1_25:

(Start: 42 @18410 has 54 MA's), (63, 18482), (Start: 70 @18533 has 1 MA's), (Start: 71 @18539 has 1 MA's), (72, 18545), (89, 18608), (94, 18650), (116, 18728), (122, 18776), (125, 18800), (131, 18818),

(132, 18824),

Gene: Kheth_27 Start: 20837, Stop: 21265, Start Num: 43

Candidate Starts for Kheth_27:

(34, 20810), (Start: 43 @20837 has 242 MA's), (Start: 50 @20852 has 39 MA's), (Start: 71 @20969 has 1 MA's), (72, 20975), (75, 21002), (85, 21023), (89, 21041), (116, 21161), (117, 21167), (124, 21230), (132, 21257),

Gene: Kikipoo_25 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for Kikipoo_25:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (109, 18977), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: Kimbrough_25 Start: 18388, Stop: 18810, Start Num: 43

Candidate Starts for Kimbrough_25:

(26, 18322), (Start: 43 @18388 has 242 MA's), (Start: 70 @18511 has 1 MA's), (Start: 71 @18517 has 1 MA's), (72, 18523), (89, 18586), (94, 18628), (116, 18706), (122, 18754), (125, 18778), (131, 18796), (132, 18802),

Gene: KimmyK_28 Start: 18286, Stop: 18729, Start Num: 45

Candidate Starts for KimmyK_28:

(Start: 45 @18286 has 110 MA's), (96, 18547), (125, 18703),

Gene: KingVeVeVe_25 Start: 18665, Stop: 19087, Start Num: 43

Candidate Starts for KingVeVeVe_25:

(26, 18599), (Start: 43 @18665 has 242 MA's), (Start: 70 @18788 has 1 MA's), (Start: 71 @18794 has 1 MA's), (72, 18800), (89, 18863), (94, 18905), (116, 18983), (122, 19031), (125, 19055), (131, 19073), (132, 19079),

Gene: KingstonB_54 Start: 29013, Stop: 29438, Start Num: 41

Candidate Starts for KingstonB_54:

(Start: 41 @29013 has 3 MA's), (87, 29211), (98, 29283), (115, 29337), (118, 29352),

Gene: KlimbOn_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for KlimbOn_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Kloppinator_25 Start: 18694, Stop: 19116, Start Num: 43

Candidate Starts for Kloppinator_25:

(26, 18628), (Start: 43 @18694 has 242 MA's), (Start: 70 @18817 has 1 MA's), (Start: 71 @18823 has 1 MA's), (72, 18829), (89, 18892), (94, 18934), (116, 19012), (122, 19060), (125, 19084), (131, 19102), (132, 19108),

Gene: Knocker_27 Start: 21795, Stop: 22214, Start Num: 47

Candidate Starts for Knocker_27:

(Start: 47 @21795 has 18 MA's), (72, 21924), (80, 21960), (93, 22011), (94, 22029), (109, 22080), (116, 22107), (119, 22122), (125, 22179), (131, 22197), (132, 22203),

Gene: Kolhan_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for Kolhan_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: Kroos_30 Start: 22606, Stop: 23040, Start Num: 45

Candidate Starts for Kroos_30:

(40, 22597), (Start: 45 @22606 has 110 MA's), (64, 22690), (73, 22765), (96, 22867), (100, 22888), (116, 22945), (119, 22960), (125, 23011),

Gene: Kwadwo_24 Start: 18378, Stop: 18800, Start Num: 43

Candidate Starts for Kwadwo_24:

(26, 18312), (Start: 43 @18378 has 242 MA's), (Start: 70 @18501 has 1 MA's), (Start: 71 @18507 has 1 MA's), (72, 18513), (89, 18576), (94, 18618), (116, 18696), (122, 18744), (125, 18768), (131, 18786), (132, 18792),

Gene: Kwekel_27 Start: 19551, Stop: 19982, Start Num: 45

Candidate Starts for Kwekel_27:

(Start: 45 @19551 has 110 MA's), (64, 19635), (73, 19710), (79, 19731), (99, 19830), (103, 19845), (119, 19905), (124, 19953), (125, 19956), (127, 19965),

Gene: Kwksand96_24 Start: 18240, Stop: 18662, Start Num: 42

Candidate Starts for Kwksand96_24:

(Start: 42 @18240 has 54 MA's), (Start: 70 @18363 has 1 MA's), (Start: 71 @18369 has 1 MA's), (72, 18375), (89, 18438), (94, 18480), (116, 18558), (122, 18606), (125, 18630), (131, 18648), (132, 18654),

Gene: Kwobi_30 Start: 22592, Stop: 23026, Start Num: 45

Candidate Starts for Kwobi_30:

(40, 22583), (Start: 45 @22592 has 110 MA's), (64, 22676), (73, 22751), (96, 22853), (100, 22874), (116, 22931), (119, 22946), (125, 22997),

Gene: Kyva_35 Start: 22599, Stop: 23012, Start Num: 50

Candidate Starts for Kyva_35:

(28, 22542), (Start: 50 @22599 has 39 MA's), (78, 22758), (104, 22875), (108, 22890),

Gene: Labeouficaum_24 Start: 18236, Stop: 18658, Start Num: 42

Candidate Starts for Labeouficaum_24:

(Start: 42 @18236 has 54 MA's), (Start: 70 @18359 has 1 MA's), (Start: 71 @18365 has 1 MA's), (72, 18371), (89, 18434), (94, 18476), (116, 18554), (122, 18602), (125, 18626), (131, 18644), (132, 18650),

Gene: Lambano_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Lambano_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Lars_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for Lars_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: LasagnaCat_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for LasagnaCat_25:

(24, 18590), (26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Lasso_25 Start: 18653, Stop: 19075, Start Num: 43

Candidate Starts for Lasso_25:

(26, 18587), (Start: 43 @18653 has 242 MA's), (Start: 70 @18776 has 1 MA's), (Start: 71 @18782 has 1 MA's), (72, 18788), (89, 18851), (94, 18893), (109, 18944), (116, 18971), (122, 19019), (125, 19043), (131, 19061), (132, 19067),

Gene: Laurie_27 Start: 20832, Stop: 21260, Start Num: 43

Candidate Starts for Laurie_27:

(34, 20805), (Start: 43 @20832 has 242 MA's), (Start: 50 @20847 has 39 MA's), (Start: 71 @20964 has 1 MA's), (72, 20970), (75, 20997), (85, 21018), (89, 21036), (94, 21078), (116, 21156), (117, 21162), (124, 21225), (132, 21252),

Gene: LeeLot_25 Start: 18678, Stop: 19100, Start Num: 43

Candidate Starts for LeeLot_25:

(26, 18612), (Start: 43 @18678 has 242 MA's), (Start: 70 @18801 has 1 MA's), (Start: 71 @18807 has 1 MA's), (72, 18813), (89, 18876), (94, 18918), (116, 18996), (122, 19044), (125, 19068), (131, 19086), (132, 19092),

Gene: Lego3393_25 Start: 18690, Stop: 19112, Start Num: 43

Candidate Starts for Lego3393_25:

(26, 18624), (Start: 43 @18690 has 242 MA's), (Start: 70 @18813 has 1 MA's), (Start: 71 @18819 has 1 MA's), (72, 18825), (89, 18888), (94, 18930), (116, 19008), (122, 19056), (125, 19080), (131, 19098), (132, 19104),

Gene: Legolas_24 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for Legolas_24:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: LeiMonet_25 Start: 18385, Stop: 18807, Start Num: 43

Candidate Starts for LeiMonet_25:

(26, 18319), (Start: 43 @18385 has 242 MA's), (Start: 70 @18508 has 1 MA's), (Start: 71 @18514 has 1 MA's), (72, 18520), (89, 18583), (94, 18625), (109, 18676), (116, 18703), (122, 18751), (125, 18775), (131, 18793), (132, 18799),

Gene: LemonSlice_25 Start: 18385, Stop: 18807, Start Num: 43

Candidate Starts for LemonSlice_25:

(26, 18319), (Start: 43 @18385 has 242 MA's), (Start: 70 @18508 has 1 MA's), (Start: 71 @18514 has 1 MA's), (72, 18520), (89, 18583), (94, 18625), (116, 18703), (122, 18751), (125, 18775), (131, 18793), (132, 18799),

Gene: Lennon_30 Start: 24387, Stop: 24821, Start Num: 45

Candidate Starts for Lennon_30:

(31, 24357), (Start: 45 @24387 has 110 MA's), (64, 24471), (73, 24546), (96, 24648), (100, 24669), (119, 24741), (125, 24792),

Gene: Leonard_28 Start: 21406, Stop: 21837, Start Num: 45

Candidate Starts for Leonard_28:

(12, 21178), (14, 21214), (33, 21379), (36, 21382), (Start: 45 @21406 has 110 MA's), (64, 21490), (79, 21586), (96, 21667), (97, 21673), (99, 21685), (116, 21745), (121, 21769), (124, 21808), (125, 21811),

Gene: Lephleur_27 Start: 20837, Stop: 21265, Start Num: 43

Candidate Starts for Lephleur_27:

(34, 20810), (Start: 43 @20837 has 242 MA's), (Start: 50 @20852 has 39 MA's), (Start: 71 @20969 has 1 MA's), (72, 20975), (75, 21002), (85, 21023), (89, 21041), (116, 21161), (117, 21167), (124, 21230), (132, 21257),

Gene: Ligma_22 Start: 17225, Stop: 17635, Start Num: 45

Candidate Starts for Ligma_22:

(Start: 45 @17225 has 110 MA's), (65, 17306), (Start: 70 @17345 has 1 MA's), (72, 17357), (82, 17399), (85, 17405), (89, 17423), (107, 17513),

Gene: LilHam_27 Start: 21186, Stop: 21620, Start Num: 45

Candidate Starts for LilHam_27:

(40, 21177), (Start: 45 @21186 has 110 MA's), (64, 21270), (73, 21345), (96, 21447), (100, 21468), (116, 21525), (119, 21540), (125, 21591),

Gene: LilMcDreamy_22 Start: 19306, Stop: 19722, Start Num: 47

Candidate Starts for LilMcDreamy_22:

(Start: 47 @19306 has 18 MA's), (67, 19393), (Start: 71 @19429 has 1 MA's), (72, 19435), (101, 19570), (116, 19618),

Gene: LilSmirk_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for LilSmirk_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: Lilbeanie_25 Start: 16498, Stop: 16914, Start Num: 43

Candidate Starts for Lilbeanie_25:

(Start: 43 @16498 has 242 MA's), (64, 16585), (103, 16795), (125, 16888),

Gene: LittleMunchkin_24 Start: 20052, Stop: 20465, Start Num: 45

Candidate Starts for LittleMunchkin_24:

(Start: 45 @20052 has 110 MA's), (63, 20121), (65, 20133), (72, 20184), (85, 20232), (116, 20370), (124, 20439),

Gene: LizLemon_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for LizLemon_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: Llemily_33 Start: 21681, Stop: 22049, Start Num: 54

Candidate Starts for Llemily_33:

(28, 21588), (Start: 50 @21645 has 39 MA's), (54, 21681), (92, 21855), (94, 21876), (105, 21921), (108, 21930), (130, 22035), (134, 22044),

Gene: Lolalove_23 Start: 19333, Stop: 19746, Start Num: 48

Candidate Starts for Lolalove_23:

(Start: 48 @19333 has 25 MA's), (Start: 70 @19447 has 1 MA's), (Start: 71 @19453 has 1 MA's), (72, 19459), (80, 19495), (90, 19534), (93, 19546), (94, 19564), (116, 19642), (122, 19690), (124, 19711), (125, 19714), (132, 19738),

Gene: Lonelysoil_32 Start: 21890, Stop: 22294, Start Num: 50

Candidate Starts for Lonelysoil_32:

(28, 21833), (Start: 50 @21890 has 39 MA's), (54, 21926), (92, 22100), (94, 22121), (105, 22166), (108, 22175), (130, 22280), (134, 22289),

Gene: Longacauda_24 Start: 18380, Stop: 18802, Start Num: 42

Candidate Starts for Longacauda_24:

(Start: 42 @18380 has 54 MA's), (Start: 70 @18503 has 1 MA's), (Start: 71 @18509 has 1 MA's), (72, 18515), (89, 18578), (94, 18620), (116, 18698), (122, 18746), (125, 18770), (131, 18788), (132, 18794),

Gene: Lopsy_24 Start: 18236, Stop: 18658, Start Num: 43

Candidate Starts for Lopsy_24:

(26, 18170), (Start: 43 @18236 has 242 MA's), (Start: 70 @18359 has 1 MA's), (Start: 71 @18365 has 1 MA's), (72, 18371), (89, 18434), (94, 18476), (116, 18554), (122, 18602), (125, 18626), (131, 18644), (132, 18650),

Gene: LostAndPhound_24 Start: 18387, Stop: 18809, Start Num: 43

Candidate Starts for LostAndPhound_24:

(26, 18321), (Start: 43 @18387 has 242 MA's), (Start: 70 @18510 has 1 MA's), (Start: 71 @18516 has 1 MA's), (72, 18522), (89, 18585), (94, 18627), (109, 18678), (116, 18705), (122, 18753), (125, 18777), (131, 18795), (132, 18801),

Gene: Love_33 Start: 24151, Stop: 24585, Start Num: 45

Candidate Starts for Love_33:

(31, 24121), (Start: 45 @24151 has 110 MA's), (64, 24235), (73, 24310), (81, 24334), (96, 24412), (119, 24505), (125, 24556),

Gene: LuckyMarjie_24 Start: 18400, Stop: 18822, Start Num: 43

Candidate Starts for LuckyMarjie_24:

(26, 18334), (Start: 43 @18400 has 242 MA's), (Start: 70 @18523 has 1 MA's), (Start: 71 @18529 has 1 MA's), (72, 18535), (89, 18598), (94, 18640), (116, 18718), (122, 18766), (125, 18790), (131, 18808), (132, 18814),

Gene: Lulumae_24 Start: 18378, Stop: 18800, Start Num: 43

Candidate Starts for Lulumae_24:

(26, 18312), (Start: 43 @18378 has 242 MA's), (Start: 70 @18501 has 1 MA's), (Start: 71 @18507 has 1 MA's), (72, 18513), (89, 18576), (94, 18618), (116, 18696), (122, 18744), (125, 18768), (131, 18786), (132, 18792),

Gene: Lulwa_25 Start: 18665, Stop: 19087, Start Num: 43

Candidate Starts for Lulwa_25:

(26, 18599), (Start: 43 @18665 has 242 MA's), (Start: 70 @18788 has 1 MA's), (Start: 71 @18794 has 1 MA's), (72, 18800), (89, 18863), (94, 18905), (116, 18983), (122, 19031), (125, 19055), (131, 19073), (132, 19079),

Gene: Lumine_24 Start: 18374, Stop: 18796, Start Num: 43

Candidate Starts for Lumine_24:

(26, 18308), (Start: 43 @18374 has 242 MA's), (Start: 70 @18497 has 1 MA's), (Start: 71 @18503 has 1 MA's), (72, 18509), (89, 18572), (94, 18614), (116, 18692), (122, 18740), (125, 18764), (131, 18782), (132, 18788),

Gene: MRabcd_24 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for MRabcd_24:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (109, 18670), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: Mag7_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for Mag7_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662), (132, 18668),

Gene: Magic8_25 Start: 18692, Stop: 19114, Start Num: 42

Candidate Starts for Magic8_25:

(Start: 42 @18692 has 54 MA's), (63, 18764), (Start: 70 @18815 has 1 MA's), (Start: 71 @18821 has 1 MA's), (72, 18827), (89, 18890), (94, 18932), (116, 19010), (122, 19058), (125, 19082), (131, 19100), (132, 19106),

Gene: Magpie_22 Start: 19156, Stop: 19569, Start Num: 48

Candidate Starts for Magpie_22:

(Start: 48 @19156 has 25 MA's), (Start: 70 @19270 has 1 MA's), (Start: 71 @19276 has 1 MA's), (72, 19282), (80, 19318), (90, 19357), (93, 19369), (94, 19387), (116, 19465), (124, 19534), (125, 19537), (132, 19561),

Gene: MakoManhole_24 Start: 18622, Stop: 19032, Start Num: 45

Candidate Starts for MakoManhole_24:

(Start: 45 @18622 has 110 MA's), (77, 18784), (82, 18796), (94, 18862), (98, 18886), (113, 18925), (116, 18940),

Gene: Mana_24 Start: 18381, Stop: 18803, Start Num: 43

Candidate Starts for Mana_24:

(26, 18315), (Start: 43 @18381 has 242 MA's), (Start: 70 @18504 has 1 MA's), (Start: 71 @18510 has 1 MA's), (72, 18516), (89, 18579), (94, 18621), (109, 18672), (116, 18699), (122, 18747), (125, 18771), (131, 18789), (132, 18795),

Gene: Manad_24 Start: 18231, Stop: 18653, Start Num: 43

Candidate Starts for Manad_24:

(26, 18165), (Start: 43 @18231 has 242 MA's), (Start: 70 @18354 has 1 MA's), (Start: 71 @18360 has 1 MA's), (72, 18366), (89, 18429), (94, 18471), (116, 18549), (122, 18597), (125, 18621), (131, 18639), (132, 18645),

Gene: Marcie_37 Start: 21635, Stop: 22030, Start Num: 50

Candidate Starts for Marcie_37:

(Start: 50 @21635 has 39 MA's), (Start: 55 @21677 has 1 MA's), (91, 21845), (114, 21935), (130, 22022),

Gene: Mariokart_22 Start: 17119, Stop: 17532, Start Num: 45

Candidate Starts for Mariokart_22:

(1, 16399), (2, 16444), (3, 16510), (4, 16582), (5, 16648), (22, 17020), (Start: 37 @17098 has 1 MA's), (Start: 45 @17119 has 110 MA's), (65, 17200), (67, 17209), (Start: 71 @17245 has 1 MA's), (72, 17251), (85, 17299), (94, 17359),

Gene: Maru_24 Start: 18380, Stop: 18802, Start Num: 43

Candidate Starts for Maru_24:

(26, 18314), (Start: 43 @18380 has 242 MA's), (Start: 70 @18503 has 1 MA's), (Start: 71 @18509 has 1 MA's), (72, 18515), (89, 18578), (94, 18620), (116, 18698), (122, 18746), (125, 18770), (131, 18788), (132, 18794),

Gene: Mashley_31 Start: 22162, Stop: 22575, Start Num: 50

Candidate Starts for Mashley_31:

(28, 22105), (Start: 50 @22162 has 39 MA's), (66, 22234), (78, 22321), (104, 22438), (108, 22453),

Gene: Maskar_24 Start: 18226, Stop: 18648, Start Num: 42

Candidate Starts for Maskar_24:

(Start: 42 @18226 has 54 MA's), (Start: 70 @18349 has 1 MA's), (Start: 71 @18355 has 1 MA's), (72, 18361), (89, 18424), (94, 18466), (116, 18544), (122, 18592), (125, 18616), (131, 18634), (132, 18640),

Gene: MasterPo_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for MasterPo_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: Matalotodo_25 Start: 18673, Stop: 19095, Start Num: 43

Candidate Starts for Matalotodo_25:

(26, 18607), (Start: 43 @18673 has 242 MA's), (Start: 70 @18796 has 1 MA's), (Start: 71 @18802 has 1 MA's), (72, 18808), (89, 18871), (94, 18913), (116, 18991), (122, 19039), (125, 19063), (131, 19081), (132, 19087),

Gene: McKinley_32 Start: 24183, Stop: 24617, Start Num: 45

Candidate Starts for McKinley_32:

(31, 24153), (Start: 45 @24183 has 110 MA's), (64, 24267), (73, 24342), (81, 24366), (96, 24444), (119, 24537), (125, 24588),

Gene: Mcshane_24 Start: 18376, Stop: 18798, Start Num: 43

Candidate Starts for Mcshane_24:

(26, 18310), (Start: 43 @18376 has 242 MA's), (Start: 70 @18499 has 1 MA's), (Start: 71 @18505 has 1 MA's), (72, 18511), (89, 18574), (94, 18616), (116, 18694), (122, 18742), (125, 18766), (131, 18784), (132, 18790),

Gene: Mecca_24 Start: 18373, Stop: 18795, Start Num: 43

Candidate Starts for Mecca_24:

(26, 18307), (Start: 43 @18373 has 242 MA's), (Start: 70 @18496 has 1 MA's), (Start: 71 @18502 has 1 MA's), (72, 18508), (89, 18571), (94, 18613), (116, 18691), (122, 18739), (125, 18763), (131, 18781), (132, 18787),

Gene: Megabear_19 Start: 18137, Stop: 18547, Start Num: 49

Candidate Starts for Megabear_19:

(Start: 49 @18137 has 8 MA's), (66, 18212), (Start: 71 @18257 has 1 MA's), (72, 18263), (82, 18305), (89, 18329), (92, 18350), (115, 18452), (122, 18497),

Gene: Megamind20_25 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for Megamind20_25:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: Megatron_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Megatron_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (109, 18968), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: MelBins_29 Start: 21614, Stop: 22045, Start Num: 45

Candidate Starts for MelBins_29:

(14, 21422), (33, 21587), (Start: 45 @21614 has 110 MA's), (64, 21698), (79, 21794), (96, 21875), (97, 21881), (99, 21893), (116, 21953), (121, 21977), (124, 22016), (125, 22019),

Gene: Melc17_25 Start: 18668, Stop: 19090, Start Num: 42

Candidate Starts for Melc17_25:

(Start: 42 @18668 has 54 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has 1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076), (132, 19082),

Gene: MelsMeow_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for MelsMeow_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662), (132, 18668),

Gene: Mesh1_25 Start: 18685, Stop: 19107, Start Num: 43

Candidate Starts for Mesh1_25:

(26, 18619), (Start: 43 @18685 has 242 MA's), (Start: 70 @18808 has 1 MA's), (Start: 71 @18814 has 1 MA's), (72, 18820), (89, 18883), (94, 18925), (116, 19003), (122, 19051), (125, 19075), (131, 19093), (132, 19099),

Gene: Mesmerelda_25 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for Mesmerelda_25:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: MichaelPhcott_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for MichaelPhcott_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662), (132, 18668),

Gene: Mikota_25 Start: 18661, Stop: 19083, Start Num: 43

Candidate Starts for Mikota_25:

(26, 18595), (Start: 43 @18661 has 242 MA's), (Start: 70 @18784 has 1 MA's), (Start: 71 @18790 has 1 MA's), (72, 18796), (89, 18859), (94, 18901), (116, 18979), (122, 19027), (125, 19051), (131, 19069), (132, 19075),

Gene: MiniBoss_25 Start: 18664, Stop: 19086, Start Num: 43

Candidate Starts for MiniBoss_25:

(26, 18598), (Start: 43 @18664 has 242 MA's), (Start: 70 @18787 has 1 MA's), (Start: 71 @18793 has 1 MA's), (72, 18799), (89, 18862), (94, 18904), (116, 18982), (122, 19030), (125, 19054), (131, 19072), (132, 19078),

Gene: MitKao_25 Start: 18382, Stop: 18804, Start Num: 43

Candidate Starts for MitKao_25:

(26, 18316), (Start: 43 @18382 has 242 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: Mithril_23 Start: 19337, Stop: 19750, Start Num: 48

Candidate Starts for Mithril_23:

(Start: 48 @19337 has 25 MA's), (Start: 70 @19451 has 1 MA's), (Start: 71 @19457 has 1 MA's), (72, 19463), (80, 19499), (90, 19538), (93, 19550), (94, 19568), (116, 19646), (124, 19715), (125, 19718), (132, 19742),

Gene: MoontowerMania_29 Start: 22994, Stop: 23428, Start Num: 45

Candidate Starts for MoontowerMania_29:

(16, 22829), (31, 22964), (Start: 45 @22994 has 110 MA's), (64, 23078), (73, 23153), (96, 23255), (100, 23276), (119, 23348), (125, 23399),

Gene: Morgushi_25 Start: 18387, Stop: 18809, Start Num: 43

Candidate Starts for Morgushi_25:

(26, 18321), (Start: 43 @18387 has 242 MA's), (Start: 70 @18510 has 1 MA's), (Start: 71 @18516 has 1 MA's), (72, 18522), (89, 18585), (94, 18627), (116, 18705), (122, 18753), (125, 18777), (131, 18795), (132, 18801),

Gene: MorillMayhem_32 Start: 22160, Stop: 22564, Start Num: 50

Candidate Starts for MorillMayhem_32:

(28, 22103), (Start: 50 @22160 has 39 MA's), (54, 22196), (92, 22370), (94, 22391), (105, 22436), (108, 22445), (130, 22550), (134, 22559),

Gene: Morty_25 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for Morty_25:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (109, 18977), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: Mosaic_24 Start: 18388, Stop: 18810, Start Num: 43

Candidate Starts for Mosaic_24:

(26, 18322), (Start: 43 @18388 has 242 MA's), (Start: 70 @18511 has 1 MA's), (Start: 71 @18517 has 1 MA's), (72, 18523), (89, 18586), (94, 18628), (116, 18706), (122, 18754), (125, 18778), (131, 18796), (132, 18802),

Gene: MossRose_24 Start: 18601, Stop: 19011, Start Num: 45

Candidate Starts for MossRose_24:

(Start: 45 @18601 has 110 MA's), (77, 18763), (82, 18775), (94, 18841), (98, 18865), (113, 18904), (116, 18919), (125, 18991),

Gene: MrPhizzler_24 Start: 18387, Stop: 18809, Start Num: 42

Candidate Starts for MrPhizzler_24:

(Start: 42 @18387 has 54 MA's), (Start: 70 @18510 has 1 MA's), (Start: 71 @18516 has 1 MA's), (72, 18522), (89, 18585), (94, 18627), (116, 18705), (122, 18753), (125, 18777), (131, 18795), (132, 18801),

Gene: Mudslide_23 Start: 19584, Stop: 19997, Start Num: 48

Candidate Starts for Mudslide_23:

(Start: 48 @19584 has 25 MA's), (Start: 70 @19698 has 1 MA's), (Start: 71 @19704 has 1 MA's), (72, 19710), (80, 19746), (90, 19785), (93, 19797), (94, 19815), (116, 19893), (119, 19908), (124, 19962), (125, 19965), (132, 19989),

Gene: Mulan_24 Start: 18382, Stop: 18804, Start Num: 43

Candidate Starts for Mulan_24:

(26, 18316), (Start: 43 @18382 has 242 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: Murdoc_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for Murdoc_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Mutante_24 Start: 18385, Stop: 18807, Start Num: 43

Candidate Starts for Mutante_24:

(26, 18319), (Start: 43 @18385 has 242 MA's), (Start: 70 @18508 has 1 MA's), (Start: 71 @18514 has 1 MA's), (72, 18520), (89, 18583), (94, 18625), (116, 18703), (122, 18751), (125, 18775), (131, 18793), (132, 18799),

Gene: Mutzi_28 Start: 18027, Stop: 18470, Start Num: 45

Candidate Starts for Mutzi_28:

(13, 17811), (Start: 45 @18027 has 110 MA's), (125, 18444),

Gene: Mysterious_26 Start: 19640, Stop: 20056, Start Num: 47

Candidate Starts for Mysterious_26:

(Start: 47 @19640 has 18 MA's), (60, 19700), (Start: 71 @19763 has 1 MA's), (72, 19769), (94, 19874), (101, 19904), (116, 19952),

Gene: Nacho_0025 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for Nacho_0025:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Namago_33 Start: 21729, Stop: 22142, Start Num: 50

Candidate Starts for Namago_33:

(28, 21672), (Start: 50 @21729 has 39 MA's), (78, 21888), (104, 22005), (108, 22020),

Gene: Nanao_22 Start: 18303, Stop: 18716, Start Num: 48

Candidate Starts for Nanao_22:

(Start: 48 @18303 has 25 MA's), (Start: 70 @18417 has 1 MA's), (Start: 71 @18423 has 1 MA's), (72, 18429), (80, 18465), (89, 18492), (90, 18504), (93, 18516), (94, 18534), (116, 18612), (124, 18681), (132, 18708),

Gene: Nangang_25 Start: 19342, Stop: 19758, Start Num: 47

Candidate Starts for Nangang_25:

(Start: 47 @19342 has 18 MA's), (89, 19534), (94, 19576), (109, 19627), (133, 19753),

Gene: Nathan_26 Start: 18704, Stop: 19126, Start Num: 42

Candidate Starts for Nathan_26:

(Start: 42 @18704 has 54 MA's), (63, 18776), (Start: 70 @18827 has 1 MA's), (Start: 71 @18833 has 1 MA's), (72, 18839), (89, 18902), (94, 18944), (116, 19022), (122, 19070), (125, 19094), (131, 19112), (132, 19118),

Gene: Natkenzie_30 Start: 22964, Stop: 23395, Start Num: 45

Candidate Starts for Natkenzie_30:

(25, 22904), (33, 22937), (Start: 45 @22964 has 110 MA's), (69, 23093), (73, 23123), (96, 23225), (97, 23231), (100, 23246), (116, 23303), (119, 23318), (124, 23366), (125, 23369),

Gene: Nehemiah_24 Start: 19640, Stop: 20056, Start Num: 47

Candidate Starts for Nehemiah_24:

(Start: 47 @19640 has 18 MA's), (60, 19700), (Start: 71 @19763 has 1 MA's), (72, 19769), (94, 19874), (101, 19904), (116, 19952),

Gene: Newman_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for Newman_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Nicole21_25 Start: 18666, Stop: 19088, Start Num: 43

Candidate Starts for Nicole21_25:

(26, 18600), (Start: 43 @18666 has 242 MA's), (Start: 70 @18789 has 1 MA's), (Start: 71 @18795 has 1 MA's), (72, 18801), (89, 18864), (94, 18906), (116, 18984), (122, 19032), (125, 19056), (131, 19074), (132, 19080),

Gene: Nigel_21 Start: 18187, Stop: 18600, Start Num: 48

Candidate Starts for Nigel_21:

(Start: 48 @18187 has 25 MA's), (72, 18313), (89, 18376), (90, 18388), (94, 18418), (132, 18592),

Gene: Nike_33 Start: 22681, Stop: 23094, Start Num: 50

Candidate Starts for Nike_33:

(28, 22624), (Start: 50 @22681 has 39 MA's), (78, 22840), (104, 22957), (108, 22972),

Gene: Nordenberg_24 Start: 22353, Stop: 22787, Start Num: 45

Candidate Starts for Nordenberg_24:

(31, 22323), (Start: 45 @22353 has 110 MA's), (64, 22437), (73, 22512), (81, 22536), (96, 22614), (119, 22707), (125, 22758),

Gene: Nubi_26 Start: 17592, Stop: 18035, Start Num: 45

Candidate Starts for Nubi_26:

(Start: 45 @17592 has 110 MA's), (96, 17853), (125, 18009),

Gene: Numberten_25 Start: 18679, Stop: 19101, Start Num: 43

Candidate Starts for Numberten_25:

(26, 18613), (Start: 43 @18679 has 242 MA's), (Start: 70 @18802 has 1 MA's), (Start: 71 @18808 has 1 MA's), (72, 18814), (89, 18877), (94, 18919), (116, 18997), (122, 19045), (125, 19069), (131, 19087), (132, 19093),

Gene: Nyala_24 Start: 18377, Stop: 18799, Start Num: 43

Candidate Starts for Nyala_24:

(26, 18311), (Start: 43 @18377 has 242 MA's), (Start: 70 @18500 has 1 MA's), (Start: 71 @18506 has 1 MA's), (72, 18512), (89, 18575), (94, 18617), (116, 18695), (122, 18743), (125, 18767), (131, 18785), (132, 18791),

Gene: OSmaximus_25 Start: 18703, Stop: 19125, Start Num: 42

Candidate Starts for OSmaximus_25:

(Start: 42 @18703 has 54 MA's), (63, 18775), (Start: 70 @18826 has 1 MA's), (Start: 71 @18832 has 1 MA's), (72, 18838), (89, 18901), (94, 18943), (116, 19021), (122, 19069), (125, 19093), (131, 19111), (132, 19117),

Gene: Olak_24 Start: 18378, Stop: 18800, Start Num: 43

Candidate Starts for Olak_24:

(26, 18312), (Start: 43 @18378 has 242 MA's), (Start: 70 @18501 has 1 MA's), (Start: 71 @18507 has 1 MA's), (72, 18513), (89, 18576), (94, 18618), (116, 18696), (122, 18744), (125, 18768), (131, 18786), (132, 18792),

Gene: Oline_24 Start: 18240, Stop: 18662, Start Num: 42

Candidate Starts for Oline_24:

(Start: 42 @18240 has 54 MA's), (Start: 70 @18363 has 1 MA's), (Start: 71 @18369 has 1 MA's), (72, 18375), (89, 18438), (94, 18480), (116, 18558), (122, 18606), (125, 18630), (131, 18648), (132, 18654),

Gene: Olive_25 Start: 18667, Stop: 19089, Start Num: 43

Candidate Starts for Olive_25:

(26, 18601), (Start: 43 @18667 has 242 MA's), (Start: 70 @18790 has 1 MA's), (Start: 71 @18796 has 1 MA's), (72, 18802), (89, 18865), (94, 18907), (116, 18985), (122, 19033), (125, 19057), (131, 19075), (132, 19081),

Gene: OliverWalter_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for OliverWalter_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: Omniscient_25 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for Omniscient_25:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: OneinaGillian_32 Start: 20626, Stop: 21021, Start Num: 50

Candidate Starts for OneinaGillian_32:

(Start: 50 @20626 has 39 MA's), (59, 20677), (78, 20785), (94, 20860), (114, 20926), (130, 21013),

Gene: Oosterbaan_25 Start: 18678, Stop: 19100, Start Num: 43

Candidate Starts for Oosterbaan_25:

(26, 18612), (Start: 43 @18678 has 242 MA's), (Start: 70 @18801 has 1 MA's), (Start: 71 @18807 has 1 MA's), (72, 18813), (89, 18876), (94, 18918), (109, 18969), (116, 18996), (122, 19044), (125, 19068), (131, 19086), (132, 19092),

Gene: Opia_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for Opia_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: Orfeu_24 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for Orfeu_24:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: Orion_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for Orion_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (109, 18966), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Orwigg_25 Start: 18372, Stop: 18794, Start Num: 43

Candidate Starts for Orwigg_25:

(26, 18306), (Start: 43 @18372 has 242 MA's), (Start: 70 @18495 has 1 MA's), (Start: 71 @18501 has 1 MA's), (72, 18507), (89, 18570), (94, 18612), (116, 18690), (122, 18738), (125, 18762), (131, 18780), (132, 18786),

Gene: PG1_25 Start: 18688, Stop: 19110, Start Num: 43

Candidate Starts for PG1_25:

(26, 18622), (Start: 43 @18688 has 242 MA's), (Start: 70 @18811 has 1 MA's), (Start: 71 @18817 has 1 MA's), (72, 18823), (89, 18886), (94, 18928), (109, 18979), (116, 19006), (122, 19054), (125, 19078), (131, 19096), (132, 19102),

Gene: PR_19 Start: 18164, Stop: 18574, Start Num: 49

Candidate Starts for PR_19:

(Start: 49 @18164 has 8 MA's), (66, 18239), (Start: 71 @18284 has 1 MA's), (72, 18290), (82, 18332), (89, 18356), (92, 18377), (115, 18479), (122, 18524),

Gene: Pacifista_24 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for Pacifista_24:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: Paries_32 Start: 23819, Stop: 24253, Start Num: 45

Candidate Starts for Paries_32:

(31, 23780), (Start: 45 @23819 has 110 MA's), (64, 23903), (73, 23978), (81, 24002), (96, 24080), (100, 24101), (119, 24173), (125, 24224),

Gene: PenguinLover67_27 Start: 20904, Stop: 21338, Start Num: 45

Candidate Starts for PenguinLover67_27:

(Start: 45 @20904 has 110 MA's), (61, 20970), (67, 20994), (Start: 71 @21030 has 1 MA's), (72, 21036), (80, 21072), (89, 21099), (124, 21288),

Gene: Pepe25_31 Start: 20844, Stop: 21239, Start Num: 50

Candidate Starts for Pepe25_31:

(Start: 50 @20844 has 39 MA's), (Start: 55 @20886 has 1 MA's), (59, 20895), (78, 21003), (114, 21144), (126, 21213), (130, 21231),

Gene: Phabia_33 Start: 22063, Stop: 22467, Start Num: 50

Candidate Starts for Phabia_33:

(28, 22006), (Start: 50 @22063 has 39 MA's), (54, 22099), (92, 22273), (94, 22294), (105, 22339), (108, 22348), (130, 22453), (134, 22462),

Gene: Phaedrus_24 Start: 19399, Stop: 19692, Start Num: 71

Candidate Starts for Phaedrus_24:

(Start: 49 @19279 has 8 MA's), (65, 19354), (Start: 71 @19399 has 1 MA's), (72, 19405), (98, 19537), (124, 19663),

Gene: Phamished_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for Phamished_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: Phantasmagoria_27 Start: 20830, Stop: 21258, Start Num: 43

Candidate Starts for Phantasmagoria_27:

(34, 20803), (Start: 43 @20830 has 242 MA's), (Start: 50 @20845 has 39 MA's), (Start: 71 @20962 has 1 MA's), (72, 20968), (75, 20995), (85, 21016), (89, 21034), (116, 21154), (117, 21160), (124, 21223), (132, 21250),

Gene: Phareon_25 Start: 18383, Stop: 18805, Start Num: 43

Candidate Starts for Phareon_25:

(26, 18317), (Start: 43 @18383 has 242 MA's), (Start: 70 @18506 has 1 MA's), (Start: 71 @18512 has 1 MA's), (72, 18518), (89, 18581), (94, 18623), (116, 18701), (122, 18749), (125, 18773), (131, 18791), (132, 18797),

Gene: PhatCats2014_25 Start: 18693, Stop: 19115, Start Num: 43

Candidate Starts for PhatCats2014_25:

(26, 18627), (Start: 43 @18693 has 242 MA's), (Start: 70 @18816 has 1 MA's), (Start: 71 @18822 has 1 MA's), (72, 18828), (89, 18891), (94, 18933), (116, 19011), (122, 19059), (125, 19083), (131, 19101), (132, 19107),

Gene: PhatLouie_25 Start: 18675, Stop: 19097, Start Num: 42

Candidate Starts for PhatLouie_25:

(Start: 42 @18675 has 54 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Phauci_21 Start: 17995, Stop: 18426, Start Num: 45

Candidate Starts for Phauci_21:

(14, 17803), (33, 17968), (Start: 45 @17995 has 110 MA's), (64, 18079), (79, 18175), (96, 18256), (97, 18262), (99, 18274), (116, 18334), (121, 18358), (124, 18397), (125, 18400),

Gene: Phelemich_25 Start: 19636, Stop: 20052, Start Num: 47

Candidate Starts for Phelemich_25:

(Start: 47 @19636 has 18 MA's), (60, 19696), (Start: 71 @19759 has 1 MA's), (72, 19765), (94, 19870), (101, 19900), (116, 19948), (133, 20047),

Gene: PhenghisKhan_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for PhenghisKhan_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662), (132, 18668),

Gene: Pherdinand_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for Pherdinand_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: Phergie_24 Start: 18248, Stop: 18670, Start Num: 42

Candidate Starts for Phergie_24:

(Start: 42 @18248 has 54 MA's), (63, 18320), (Start: 70 @18371 has 1 MA's), (Start: 71 @18377 has 1 MA's), (72, 18383), (89, 18446), (94, 18488), (116, 18566), (122, 18614), (125, 18638), (131, 18656), (132, 18662),

Gene: Phinally_28 Start: 21403, Stop: 21834, Start Num: 45

Candidate Starts for Phinally_28:

(12, 21175), (14, 21211), (33, 21376), (36, 21379), (Start: 45 @21403 has 110 MA's), (64, 21487), (79, 21583), (96, 21664), (97, 21670), (99, 21682), (116, 21742), (121, 21766), (124, 21805), (125, 21808),

Gene: Phinky_39 Start: 23231, Stop: 23650, Start Num: 50

Candidate Starts for Phinky_39:

(35, 23201), (Start: 50 @23231 has 39 MA's), (54, 23267), (57, 23276), (Start: 70 @23342 has 1 MA's), (94, 23465), (108, 23522), (134, 23645),

Gene: Phipps_25 Start: 18653, Stop: 19075, Start Num: 43

Candidate Starts for Phipps_25:

(26, 18587), (Start: 43 @18653 has 242 MA's), (Start: 70 @18776 has 1 MA's), (Start: 71 @18782 has 1 MA's), (72, 18788), (89, 18851), (94, 18893), (116, 18971), (122, 19019), (125, 19043), (131, 19061), (132, 19067),

Gene: Phleuron_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for Phleuron_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662), (132, 18668),

Gene: Phlop_26 Start: 17656, Stop: 18099, Start Num: 45

Candidate Starts for Phlop_26:

(Start: 45 @17656 has 110 MA's), (96, 17917), (125, 18073),

Gene: PhrankReynolds_24 Start: 18254, Stop: 18676, Start Num: 42

Candidate Starts for PhrankReynolds_24:

(Start: 42 @18254 has 54 MA's), (63, 18326), (Start: 70 @18377 has 1 MA's), (Start: 71 @18383 has 1 MA's), (72, 18389), (89, 18452), (94, 18494), (116, 18572), (122, 18620), (125, 18644), (131, 18662),

(132, 18668),

Gene: PhrodoBaggins_24 Start: 18671, Stop: 19093, Start Num: 43

Candidate Starts for PhrodoBaggins_24:

(26, 18605), (Start: 43 @18671 has 242 MA's), (Start: 70 @18794 has 1 MA's), (Start: 71 @18800 has 1 MA's), (72, 18806), (89, 18869), (94, 18911), (116, 18989), (122, 19037), (125, 19061), (131, 19079), (132, 19085),

Gene: Phunky_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Phunky_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Piglet_0024 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Piglet_0024:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Pine5_25 Start: 19604, Stop: 20017, Start Num: 44

Candidate Starts for Pine5_25:

(44, 19604), (46, 19607), (Start: 70 @19727 has 1 MA's), (89, 19805), (128, 20009),

Gene: PinheadLarry_25 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for PinheadLarry_25:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: PinkCoffee_28 Start: 18295, Stop: 18738, Start Num: 45

Candidate Starts for PinkCoffee_28:

(Start: 45 @18295 has 110 MA's), (96, 18556), (125, 18712),

Gene: Pinkman_24 Start: 18234, Stop: 18656, Start Num: 42

Candidate Starts for Pinkman_24:

(Start: 42 @18234 has 54 MA's), (Start: 70 @18357 has 1 MA's), (Start: 71 @18363 has 1 MA's), (72, 18369), (89, 18432), (94, 18474), (116, 18552), (122, 18600), (125, 18624), (131, 18642), (132, 18648),

Gene: Pipsqueak_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for Pipsqueak_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (109, 18974), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: Placalicious_24 Start: 18376, Stop: 18798, Start Num: 43

Candidate Starts for Placalicious_24:

(26, 18310), (Start: 43 @18376 has 242 MA's), (Start: 70 @18499 has 1 MA's), (Start: 71 @18505 has 1 MA's), (72, 18511), (89, 18574), (94, 18616), (109, 18667), (116, 18694), (122, 18742), (125, 18766), (131, 18784), (132, 18790),

Gene: Plmatters_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for Plmatters_25:

(26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Podrick_25 Start: 18672, Stop: 19094, Start Num: 43

Candidate Starts for Podrick_25:

(26, 18606), (Start: 43 @18672 has 242 MA's), (Start: 70 @18795 has 1 MA's), (Start: 71 @18801 has 1 MA's), (72, 18807), (89, 18870), (94, 18912), (116, 18990), (122, 19038), (125, 19062), (131, 19080), (132, 19086),

Gene: Pops_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for Pops_25:

(26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Portcullis_26 Start: 17599, Stop: 18042, Start Num: 45

Candidate Starts for Portcullis_26:

(Start: 45 @17599 has 110 MA's), (96, 17860), (125, 18016),

Gene: Poster_22 Start: 18304, Stop: 18717, Start Num: 48

Candidate Starts for Poster_22:

(Start: 48 @18304 has 25 MA's), (Start: 70 @18418 has 1 MA's), (Start: 71 @18424 has 1 MA's), (72, 18430), (80, 18466), (89, 18493), (90, 18505), (93, 18517), (94, 18535), (116, 18613), (124, 18682), (132, 18709),

Gene: Potter_24 Start: 18390, Stop: 18812, Start Num: 43

Candidate Starts for Potter_24:

(26, 18324), (Start: 43 @18390 has 242 MA's), (Start: 70 @18513 has 1 MA's), (Start: 71 @18519 has 1 MA's), (72, 18525), (89, 18588), (94, 18630), (109, 18681), (116, 18708), (122, 18756), (125, 18780), (131, 18798), (132, 18804),

Gene: Prickles_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for Prickles_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: Prince_23 Start: 19496, Stop: 19909, Start Num: 48

Candidate Starts for Prince_23:

(Start: 48 @19496 has 25 MA's), (Start: 70 @19610 has 1 MA's), (Start: 71 @19616 has 1 MA's), (72, 19622), (80, 19658), (90, 19697), (93, 19709), (94, 19727), (116, 19805), (119, 19820), (124, 19874), (125, 19877), (132, 19901),

Gene: ProfessorX_25 Start: 18667, Stop: 19089, Start Num: 43

Candidate Starts for ProfessorX_25:

(26, 18601), (Start: 43 @18667 has 242 MA's), (Start: 70 @18790 has 1 MA's), (Start: 71 @18796 has 1 MA's), (72, 18802), (89, 18865), (94, 18907), (116, 18985), (122, 19033), (125, 19057), (131, 19075), (132, 19081),

Gene: Puhltonio_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for Puhltonio_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: PullumCavea_26 Start: 17656, Stop: 18099, Start Num: 45

Candidate Starts for PullumCavea_26:

(Start: 45 @17656 has 110 MA's), (96, 17917), (125, 18073),

Gene: Quammi_31 Start: 21635, Stop: 22048, Start Num: 50

Candidate Starts for Quammi_31:

(28, 21578), (Start: 50 @21635 has 39 MA's), (54, 21671), (78, 21794), (104, 21911), (108, 21926),

Gene: QueenBeane_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for QueenBeane_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: QueenPie_22 Start: 19500, Stop: 19913, Start Num: 48

Candidate Starts for QueenPie_22:

(Start: 48 @19500 has 25 MA's), (Start: 71 @19620 has 1 MA's), (72, 19626), (80, 19662), (90, 19701), (93, 19713), (94, 19731), (116, 19809), (124, 19878), (132, 19905),

Gene: Quesadilla_26 Start: 20803, Stop: 21240, Start Num: 45

Candidate Starts for Quesadilla_26:

(Start: 45 @20803 has 110 MA's), (Start: 71 @20929 has 1 MA's), (72, 20935), (80, 20971), (89, 20998), (116, 21118), (121, 21148), (124, 21187),

Gene: Quisquilliae_25 Start: 18690, Stop: 19112, Start Num: 43

Candidate Starts for Quisquilliae_25:

(26, 18624), (Start: 43 @18690 has 242 MA's), (Start: 70 @18813 has 1 MA's), (Start: 71 @18819 has 1 MA's), (72, 18825), (89, 18888), (94, 18930), (116, 19008), (122, 19056), (125, 19080), (131, 19098), (132, 19104),

Gene: Qyrzula_25 Start: 20920, Stop: 21348, Start Num: 43

Candidate Starts for Qyrzula_25:

(34, 20893), (Start: 43 @20920 has 242 MA's), (Start: 50 @20935 has 39 MA's), (Start: 71 @21052 has 1 MA's), (72, 21058), (75, 21085), (85, 21106), (89, 21124), (116, 21244), (117, 21250), (124, 21313), (132, 21340),

Gene: RawrgerThat_23 Start: 19333, Stop: 19746, Start Num: 48

Candidate Starts for RawrgerThat_23:

(Start: 48 @19333 has 25 MA's), (Start: 70 @19447 has 1 MA's), (Start: 71 @19453 has 1 MA's), (72, 19459), (80, 19495), (90, 19534), (93, 19546), (94, 19564), (116, 19642), (119, 19657), (124, 19711), (125, 19714), (132, 19738),

Gene: RedMaple_24 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for RedMaple_24:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: Reprobate_25 Start: 19641, Stop: 20057, Start Num: 47

Candidate Starts for Reprobate_25:

(Start: 47 @19641 has 18 MA's), (60, 19701), (Start: 71 @19764 has 1 MA's), (72, 19770), (94, 19875), (101, 19905), (116, 19953), (133, 20052),

Gene: Rhinoforte_27 Start: 20951, Stop: 21379, Start Num: 43

Candidate Starts for Rhinoforte_27:

(34, 20924), (Start: 43 @20951 has 242 MA's), (Start: 50 @20966 has 39 MA's), (Start: 71 @21083 has 1 MA's), (72, 21089), (75, 21116), (85, 21137), (89, 21155), (116, 21275), (117, 21281), (124, 21344), (132, 21371),

Gene: Ribeye_30 Start: 23007, Stop: 23441, Start Num: 38

Candidate Starts for Ribeye_30:

(Start: 38 @23007 has 7 MA's), (53, 23061), (64, 23091), (73, 23166), (96, 23268), (100, 23289), (119, 23361), (125, 23412),

Gene: Rich_24 Start: 19142, Stop: 19558, Start Num: 47

Candidate Starts for Rich_24:

(Start: 47 @19142 has 18 MA's), (Start: 70 @19259 has 1 MA's), (72, 19271), (89, 19334), (124, 19523), (133, 19553),

Gene: Ricotta_24 Start: 18398, Stop: 18820, Start Num: 43

Candidate Starts for Ricotta_24:

(26, 18332), (Start: 43 @18398 has 242 MA's), (Start: 70 @18521 has 1 MA's), (Start: 71 @18527 has 1 MA's), (72, 18533), (89, 18596), (94, 18638), (116, 18716), (122, 18764), (125, 18788), (131, 18806), (132, 18812),

Gene: Riggan_25 Start: 18658, Stop: 19080, Start Num: 43

Candidate Starts for Riggan_25:

(26, 18592), (Start: 43 @18658 has 242 MA's), (Start: 70 @18781 has 1 MA's), (Start: 71 @18787 has 1 MA's), (72, 18793), (89, 18856), (94, 18898), (116, 18976), (122, 19024), (125, 19048), (131, 19066), (132, 19072),

Gene: Rimu_26 Start: 18479, Stop: 18829, Start Num: 63

Candidate Starts for Rimu_26:

(Start: 42 @18407 has 54 MA's), (63, 18479), (Start: 70 @18530 has 1 MA's), (Start: 71 @18536 has 1 MA's), (72, 18542), (89, 18605), (94, 18647), (116, 18725), (122, 18773), (125, 18797), (131, 18815), (132, 18821),

Gene: Rinkes_28 Start: 21670, Stop: 22086, Start Num: 47

Candidate Starts for Rinkes_28:

(Start: 47 @21670 has 18 MA's), (Start: 71 @21793 has 1 MA's), (72, 21799), (80, 21835), (94, 21904), (116, 21982), (119, 21997), (124, 22051), (125, 22054), (132, 22078),

Gene: Rita130_25 Start: 19390, Stop: 19806, Start Num: 47

Candidate Starts for Rita130_25:

(Start: 47 @19390 has 18 MA's), (60, 19450), (72, 19519), (94, 19624), (101, 19654), (133, 19801),

Gene: RiverRaider_30 Start: 21439, Stop: 21873, Start Num: 45

Candidate Starts for RiverRaider_30:

(Start: 45 @21439 has 110 MA's), (64, 21523), (96, 21700), (100, 21721), (116, 21778), (119, 21793), (125, 21844),

Gene: RoadKill_25 Start: 19107, Stop: 19538, Start Num: 45

Candidate Starts for RoadKill_25:

(15, 18933), (19, 18984), (Start: 45 @19107 has 110 MA's), (64, 19191), (73, 19266), (99, 19386), (103, 19401), (119, 19461), (123, 19500), (124, 19509), (125, 19512),

Gene: RobinRose_34 Start: 21130, Stop: 21525, Start Num: 50

Candidate Starts for RobinRose_34:

(Start: 50 @21130 has 39 MA's), (Start: 55 @21172 has 1 MA's), (59, 21181), (78, 21289), (114, 21430), (130, 21517),

Gene: Robyn_24 Start: 18249, Stop: 18671, Start Num: 43

Candidate Starts for Robyn_24:

(26, 18183), (Start: 43 @18249 has 242 MA's), (Start: 70 @18372 has 1 MA's), (Start: 71 @18378 has 1 MA's), (72, 18384), (89, 18447), (94, 18489), (116, 18567), (122, 18615), (125, 18639), (131, 18657), (132, 18663),

Gene: Rofo_30 Start: 23214, Stop: 23648, Start Num: 45

Candidate Starts for Rofo_30:

(31, 23184), (Start: 45 @23214 has 110 MA's), (64, 23298), (73, 23373), (81, 23397), (96, 23475), (119, 23568), (125, 23619),

Gene: RogerDodger_29 Start: 18449, Stop: 18892, Start Num: 45

Candidate Starts for RogerDodger_29:

(Start: 45 @18449 has 110 MA's), (96, 18710), (125, 18866),

Gene: Roliet_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for Roliet_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Romm_34 Start: 21130, Stop: 21525, Start Num: 50

Candidate Starts for Romm_34:

(Start: 50 @21130 has 39 MA's), (Start: 55 @21172 has 1 MA's), (59, 21181), (78, 21289), (114, 21430), (130, 21517),

Gene: Roscoe_26 Start: 18916, Stop: 19338, Start Num: 43

Candidate Starts for Roscoe_26:

(26, 18850), (Start: 43 @18916 has 242 MA's), (Start: 70 @19039 has 1 MA's), (Start: 71 @19045 has 1 MA's), (72, 19051), (89, 19114), (94, 19156), (116, 19234), (122, 19282), (125, 19306), (131, 19324), (132, 19330),

Gene: Rosebush_27 Start: 20951, Stop: 21379, Start Num: 43

Candidate Starts for Rosebush_27:

(34, 20924), (Start: 43 @20951 has 242 MA's), (Start: 50 @20966 has 39 MA's), (Start: 71 @21083 has 1 MA's), (72, 21089), (75, 21116), (85, 21137), (89, 21155), (116, 21275), (117, 21281), (124, 21344), (132, 21371),

Gene: Rowlf_29 Start: 21810, Stop: 22223, Start Num: 50

Candidate Starts for Rowlf_29:

(28, 21753), (Start: 50 @21810 has 39 MA's), (78, 21969), (104, 22086), (108, 22101),

Gene: Roy17_25 Start: 18378, Stop: 18800, Start Num: 43

Candidate Starts for Roy17_25:

(26, 18312), (Start: 43 @18378 has 242 MA's), (Start: 70 @18501 has 1 MA's), (Start: 71 @18507 has 1 MA's), (72, 18513), (89, 18576), (94, 18618), (116, 18696), (122, 18744), (125, 18768), (131, 18786), (132, 18792),

Gene: RubyRalph_35 Start: 21703, Stop: 22119, Start Num: 50

Candidate Starts for RubyRalph_35:

(20, 21580), (35, 21670), (Start: 50 @21703 has 39 MA's), (Start: 70 @21814 has 1 MA's), (93, 21919), (110, 22000), (112, 22003), (134, 22114),

Gene: Rudy_31 Start: 21668, Stop: 22081, Start Num: 50

Candidate Starts for Rudy_31:

(28, 21611), (Start: 38 @21641 has 7 MA's), (Start: 50 @21668 has 39 MA's), (54, 21704), (78, 21827), (104, 21944), (108, 21959),

Gene: SDcharge11_25 Start: 18656, Stop: 19078, Start Num: 43

Candidate Starts for SDcharge11_25:

(26, 18590), (Start: 43 @18656 has 242 MA's), (Start: 70 @18779 has 1 MA's), (Start: 71 @18785 has 1 MA's), (72, 18791), (89, 18854), (94, 18896), (116, 18974), (122, 19022), (125, 19046), (131, 19064), (132, 19070),

Gene: Sabella_27 Start: 20837, Stop: 21265, Start Num: 43

Candidate Starts for Sabella_27:

(34, 20810), (Start: 43 @20837 has 242 MA's), (Start: 50 @20852 has 39 MA's), (Start: 71 @20969 has 1 MA's), (72, 20975), (75, 21002), (85, 21023), (89, 21041), (116, 21161), (117, 21167), (124, 21230), (132, 21257),

Gene: SadLad_37 Start: 22646, Stop: 23062, Start Num: 50

Candidate Starts for SadLad_37:

(6, 22172), (7, 22178), (8, 22205), (11, 22295), (20, 22523), (35, 22613), (Start: 50 @22646 has 39 MA's), (Start: 70 @22757 has 1 MA's), (110, 22943), (112, 22946), (134, 23057),

Gene: Saguaro_26 Start: 20711, Stop: 21127, Start Num: 47

Candidate Starts for Saguaro_26:

(Start: 47 @20711 has 18 MA's), (Start: 71 @20834 has 1 MA's), (116, 21023), (119, 21038), (121, 21053),

Gene: SallyK_34 Start: 22743, Stop: 23147, Start Num: 50

Candidate Starts for SallyK_34:

(Start: 50 @22743 has 39 MA's), (54, 22779), (92, 22953), (94, 22974), (105, 23019), (108, 23028), (130, 23133), (134, 23142),

Gene: Salvador_26 Start: 17570, Stop: 18013, Start Num: 45

Candidate Starts for Salvador_26:

(Start: 45 @17570 has 110 MA's), (96, 17831), (125, 17987),

Gene: Samaymay_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for Samaymay_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Sampson_30 Start: 22909, Stop: 23340, Start Num: 45

Candidate Starts for Sampson_30:

(25, 22849), (33, 22882), (Start: 45 @22909 has 110 MA's), (69, 23038), (73, 23068), (96, 23170), (97, 23176), (100, 23191), (116, 23248), (119, 23263), (124, 23311), (125, 23314),

Gene: Sanjuju_28 Start: 23395, Stop: 23829, Start Num: 45

Candidate Starts for Sanjuju_28:

(31, 23365), (Start: 45 @23395 has 110 MA's), (64, 23479), (73, 23554), (81, 23578), (96, 23656), (100, 23677), (119, 23749), (125, 23800),

Gene: Saronaya_29 Start: 21853, Stop: 22287, Start Num: 45

Candidate Starts for Saronaya_29:

(40, 21844), (Start: 45 @21853 has 110 MA's), (64, 21937), (73, 22012), (96, 22114), (100, 22135), (116, 22192), (119, 22207), (125, 22258),

Gene: SassyCat97_24 Start: 18384, Stop: 18806, Start Num: 43

Candidate Starts for SassyCat97_24:

(26, 18318), (Start: 43 @18384 has 242 MA's), (Start: 70 @18507 has 1 MA's), (Start: 71 @18513 has 1 MA's), (72, 18519), (89, 18582), (94, 18624), (116, 18702), (122, 18750), (125, 18774), (131, 18792), (132, 18798),

Gene: Savbucketdawg_26 Start: 17351, Stop: 17794, Start Num: 45

Candidate Starts for Savbucketdawg_26:

(Start: 45 @17351 has 110 MA's), (96, 17612), (125, 17768),

Gene: Schadenfreude_24 Start: 18232, Stop: 18654, Start Num: 43

Candidate Starts for Schadenfreude_24:

(26, 18166), (Start: 43 @18232 has 242 MA's), (Start: 70 @18355 has 1 MA's), (Start: 71 @18361 has 1 MA's), (72, 18367), (89, 18430), (94, 18472), (116, 18550), (122, 18598), (125, 18622), (131, 18640), (132, 18646),

Gene: SchottB_28 Start: 22865, Stop: 23299, Start Num: 45

Candidate Starts for SchottB_28:

(40, 22856), (Start: 45 @22865 has 110 MA's), (64, 22949), (73, 23024), (96, 23126), (100, 23147), (116, 23204), (119, 23219), (125, 23270),

Gene: Schueller_25 Start: 18375, Stop: 18797, Start Num: 42

Candidate Starts for Schueller_25:

(Start: 42 @18375 has 54 MA's), (Start: 70 @18498 has 1 MA's), (Start: 71 @18504 has 1 MA's), (72, 18510), (89, 18573), (94, 18615), (116, 18693), (122, 18741), (125, 18765), (131, 18783), (132, 18789),

Gene: Scioto_30 Start: 22964, Stop: 23395, Start Num: 45

Candidate Starts for Scioto_30:

(25, 22904), (33, 22937), (Start: 45 @22964 has 110 MA's), (69, 23093), (73, 23123), (96, 23225), (97, 23231), (100, 23246), (116, 23303), (119, 23318), (124, 23366), (125, 23369),

Gene: Scoot17C_25 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Scoot17C_25:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (109, 18968), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Scrick_25 Start: 18402, Stop: 18824, Start Num: 43

Candidate Starts for Scrick_25:

(26, 18336), (Start: 43 @18402 has 242 MA's), (Start: 70 @18525 has 1 MA's), (Start: 71 @18531 has 1 MA's), (72, 18537), (89, 18600), (94, 18642), (116, 18720), (122, 18768), (125, 18792), (131, 18810), (132, 18816),

Gene: Sedona_30 Start: 24320, Stop: 24754, Start Num: 45

Candidate Starts for Sedona_30:

(Start: 45 @24320 has 110 MA's), (64, 24404), (73, 24479), (81, 24503), (96, 24581), (100, 24602), (116, 24659), (119, 24674), (125, 24725),

Gene: Selr12_25 Start: 18399, Stop: 18821, Start Num: 43

Candidate Starts for Selr12_25:

(26, 18333), (Start: 43 @18399 has 242 MA's), (Start: 70 @18522 has 1 MA's), (Start: 71 @18528 has 1 MA's), (72, 18534), (89, 18597), (94, 18639), (116, 18717), (122, 18765), (125, 18789), (131, 18807), (132, 18813),

Gene: Serendipitous_24 Start: 19199, Stop: 19615, Start Num: 47

Candidate Starts for Serendipitous_24:

(Start: 47 @19199 has 18 MA's), (73, 19343), (80, 19364), (93, 19415), (109, 19484), (124, 19580), (133, 19610),

Gene: Serendipity_25 Start: 18697, Stop: 19119, Start Num: 43

Candidate Starts for Serendipity_25:

(26, 18631), (Start: 43 @18697 has 242 MA's), (Start: 70 @18820 has 1 MA's), (Start: 71 @18826 has 1 MA's), (72, 18832), (89, 18895), (94, 18937), (116, 19015), (122, 19063), (125, 19087), (131, 19105), (132, 19111),

Gene: Serpentine_0025 Start: 18677, Stop: 19099, Start Num: 43

Candidate Starts for Serpentine_0025:

(26, 18611), (Start: 43 @18677 has 242 MA's), (Start: 70 @18800 has 1 MA's), (Start: 71 @18806 has 1 MA's), (72, 18812), (89, 18875), (94, 18917), (116, 18995), (122, 19043), (125, 19067), (131, 19085), (132, 19091),

Gene: Shatter_22 Start: 17225, Stop: 17635, Start Num: 45

Candidate Starts for Shatter_22:

(Start: 45 @17225 has 110 MA's), (65, 17306), (Start: 70 @17345 has 1 MA's), (72, 17357), (82, 17399), (85, 17405), (89, 17423), (107, 17513),

Gene: Sheila_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for Sheila_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: Shenyu_25 Start: 19342, Stop: 19758, Start Num: 47

Candidate Starts for Shenyu_25:

(Start: 47 @19342 has 18 MA's), (89, 19534), (94, 19576), (109, 19627), (133, 19753),

Gene: ShiVal_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for ShiVal_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: Shinji_26 Start: 17540, Stop: 17983, Start Num: 45
Candidate Starts for Shinji_26:
(Start: 45 @17540 has 110 MA's), (96, 17801), (125, 17957),

Gene: Shivanishola_31 Start: 23294, Stop: 23728, Start Num: 45
Candidate Starts for Shivanishola_31:
(31, 23264), (Start: 45 @23294 has 110 MA's), (64, 23378), (73, 23453), (81, 23477), (96, 23555),
(100, 23576), (119, 23648), (125, 23699),

Gene: Sigman_25 Start: 18668, Stop: 19090, Start Num: 43
Candidate Starts for Sigman_25:
(26, 18602), (Start: 43 @18668 has 242 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has
1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076),
(132, 19082),

Gene: Sillytadpoles_34 Start: 21633, Stop: 22037, Start Num: 50
Candidate Starts for Sillytadpoles_34:
(28, 21576), (Start: 50 @21633 has 39 MA's), (54, 21669), (92, 21843), (94, 21864), (105, 21909),
(108, 21918), (130, 22023), (134, 22032),

Gene: SilverBell_25 Start: 18692, Stop: 19114, Start Num: 43
Candidate Starts for SilverBell_25:
(26, 18626), (Start: 43 @18692 has 242 MA's), (Start: 70 @18815 has 1 MA's), (Start: 71 @18821 has
1 MA's), (72, 18827), (89, 18890), (94, 18932), (116, 19010), (122, 19058), (125, 19082), (131, 19100),
(132, 19106),

Gene: Simielle_24 Start: 18367, Stop: 18789, Start Num: 43
Candidate Starts for Simielle_24:
(26, 18301), (Start: 43 @18367 has 242 MA's), (Start: 70 @18490 has 1 MA's), (Start: 71 @18496 has
1 MA's), (72, 18502), (89, 18565), (94, 18607), (116, 18685), (122, 18733), (125, 18757), (131, 18775),
(132, 18781),

Gene: SirJeffery_25 Start: 19385, Stop: 19801, Start Num: 47
Candidate Starts for SirJeffery_25:
(Start: 47 @19385 has 18 MA's), (60, 19445), (72, 19514), (94, 19619), (101, 19649), (133, 19796),

Gene: Sisko_22 Start: 17508, Stop: 17921, Start Num: 45
Candidate Starts for Sisko_22:
(Start: 45 @17508 has 110 MA's), (61, 17577), (72, 17643), (85, 17691), (107, 17799), (124, 17898),

Gene: Sitar_30 Start: 24387, Stop: 24821, Start Num: 45
Candidate Starts for Sitar_30:
(31, 24357), (Start: 45 @24387 has 110 MA's), (64, 24471), (73, 24546), (96, 24648), (100, 24669),
(119, 24741), (125, 24792),

Gene: Skippy_25 Start: 18662, Stop: 19084, Start Num: 43
Candidate Starts for Skippy_25:
(26, 18596), (Start: 43 @18662 has 242 MA's), (Start: 70 @18785 has 1 MA's), (Start: 71 @18791 has
1 MA's), (72, 18797), (89, 18860), (94, 18902), (116, 18980), (122, 19028), (125, 19052), (131, 19070),
(132, 19076),

Gene: Slatt_25 Start: 18691, Stop: 19113, Start Num: 43
Candidate Starts for Slatt_25:

(26, 18625), (Start: 43 @18691 has 242 MA's), (Start: 70 @18814 has 1 MA's), (Start: 71 @18820 has 1 MA's), (72, 18826), (89, 18889), (94, 18931), (116, 19009), (122, 19057), (125, 19081), (131, 19099), (132, 19105),

Gene: SmokingBunny_26 Start: 17570, Stop: 18013, Start Num: 45

Candidate Starts for SmokingBunny_26:

(Start: 45 @17570 has 110 MA's), (96, 17831), (125, 17987),

Gene: Soile_25 Start: 18389, Stop: 18811, Start Num: 42

Candidate Starts for Soile_25:

(Start: 42 @18389 has 54 MA's), (Start: 71 @18518 has 1 MA's), (72, 18524), (89, 18587), (94, 18629), (116, 18707), (122, 18755), (125, 18779), (131, 18797), (132, 18803),

Gene: Solosis_24 Start: 18394, Stop: 18816, Start Num: 43

Candidate Starts for Solosis_24:

(26, 18328), (Start: 43 @18394 has 242 MA's), (Start: 70 @18517 has 1 MA's), (Start: 71 @18523 has 1 MA's), (72, 18529), (89, 18592), (94, 18634), (116, 18712), (122, 18760), (125, 18784), (131, 18802), (132, 18808),

Gene: Soos_49 Start: 28742, Stop: 29167, Start Num: 41

Candidate Starts for Soos_49:

(Start: 41 @28742 has 3 MA's), (87, 28940), (98, 29012), (115, 29066), (118, 29081),

Gene: Sophia_24 Start: 18387, Stop: 18809, Start Num: 43

Candidate Starts for Sophia_24:

(26, 18321), (Start: 43 @18387 has 242 MA's), (Start: 70 @18510 has 1 MA's), (Start: 71 @18516 has 1 MA's), (72, 18522), (89, 18585), (94, 18627), (116, 18705), (122, 18753), (125, 18777), (131, 18795), (132, 18801),

Gene: Soto_25 Start: 18671, Stop: 19093, Start Num: 43

Candidate Starts for Soto_25:

(26, 18605), (Start: 43 @18671 has 242 MA's), (Start: 70 @18794 has 1 MA's), (Start: 71 @18800 has 1 MA's), (72, 18806), (89, 18869), (94, 18911), (116, 18989), (122, 19037), (125, 19061), (131, 19079), (132, 19085),

Gene: Sour_26 Start: 21204, Stop: 21638, Start Num: 37

Candidate Starts for Sour_26:

(Start: 37 @21204 has 1 MA's), (Start: 45 @21225 has 110 MA's), (61, 21294), (82, 21402), (85, 21408), (94, 21468), (95, 21474), (107, 21516),

Gene: Spartan300_25 Start: 18672, Stop: 19094, Start Num: 43

Candidate Starts for Spartan300_25:

(26, 18606), (Start: 43 @18672 has 242 MA's), (Start: 70 @18795 has 1 MA's), (Start: 71 @18801 has 1 MA's), (72, 18807), (89, 18870), (94, 18912), (116, 18990), (122, 19038), (125, 19062), (131, 19080), (132, 19086),

Gene: Squash_35 Start: 22692, Stop: 23105, Start Num: 50

Candidate Starts for Squash_35:

(28, 22635), (Start: 50 @22692 has 39 MA's), (78, 22851), (104, 22968), (108, 22983),

Gene: Squid_25 Start: 18384, Stop: 18806, Start Num: 43

Candidate Starts for Squid_25:

(26, 18318), (Start: 43 @18384 has 242 MA's), (Start: 70 @18507 has 1 MA's), (Start: 71 @18513 has 1 MA's), (72, 18519), (89, 18582), (94, 18624), (116, 18702), (122, 18750), (125, 18774), (131, 18792), (132, 18798),

Gene: Squiggle_25 Start: 18381, Stop: 18803, Start Num: 43

Candidate Starts for Squiggle_25:

(26, 18315), (Start: 43 @18381 has 242 MA's), (Start: 70 @18504 has 1 MA's), (Start: 71 @18510 has 1 MA's), (72, 18516), (89, 18579), (94, 18621), (116, 18699), (122, 18747), (125, 18771), (131, 18789), (132, 18795),

Gene: Statler_35 Start: 22552, Stop: 22956, Start Num: 50

Candidate Starts for Statler_35:

(32, 22507), (Start: 50 @22552 has 39 MA's), (51, 22564), (54, 22588), (92, 22762), (94, 22783), (105, 22828), (108, 22837), (130, 22942), (134, 22951),

Gene: Sting_52 Start: 29181, Stop: 29606, Start Num: 41

Candidate Starts for Sting_52:

(Start: 41 @29181 has 3 MA's), (87, 29379), (98, 29451), (115, 29505), (118, 29520),

Gene: Stinger_21 Start: 17880, Stop: 18293, Start Num: 48

Candidate Starts for Stinger_21:

(Start: 48 @17880 has 25 MA's), (Start: 71 @18000 has 1 MA's), (72, 18006), (80, 18042), (89, 18069), (90, 18081), (93, 18093), (94, 18111), (116, 18189), (124, 18258), (125, 18261), (132, 18285),

Gene: StinkyVeggy_27 Start: 19514, Stop: 19930, Start Num: 47

Candidate Starts for StinkyVeggy_27:

(Start: 47 @19514 has 18 MA's), (89, 19706), (109, 19799), (133, 19925),

Gene: StorminNorm_29 Start: 21732, Stop: 22166, Start Num: 45

Candidate Starts for StorminNorm_29:

(40, 21723), (Start: 45 @21732 has 110 MA's), (64, 21816), (73, 21891), (96, 21993), (100, 22014), (116, 22071), (119, 22086), (125, 22137),

Gene: StrawberryJamm_35 Start: 21872, Stop: 22285, Start Num: 50

Candidate Starts for StrawberryJamm_35:

(28, 21815), (Start: 50 @21872 has 39 MA's), (78, 22031), (104, 22148), (108, 22163),

Gene: Struggle_24 Start: 18228, Stop: 18650, Start Num: 42

Candidate Starts for Struggle_24:

(Start: 42 @18228 has 54 MA's), (Start: 70 @18351 has 1 MA's), (Start: 71 @18357 has 1 MA's), (72, 18363), (89, 18426), (94, 18468), (116, 18546), (122, 18594), (125, 18618), (131, 18636), (132, 18642),

Gene: Stultus_28 Start: 22302, Stop: 22736, Start Num: 45

Candidate Starts for Stultus_28:

(31, 22272), (Start: 45 @22302 has 110 MA's), (64, 22386), (73, 22461), (81, 22485), (96, 22563), (100, 22584), (119, 22656), (125, 22707),

Gene: Suffolk_25 Start: 18674, Stop: 19096, Start Num: 43

Candidate Starts for Suffolk_25:

(26, 18608), (Start: 43 @18674 has 242 MA's), (Start: 70 @18797 has 1 MA's), (Start: 71 @18803 has 1 MA's), (72, 18809), (89, 18872), (94, 18914), (116, 18992), (122, 19040), (125, 19064), (131, 19082), (132, 19088),

Gene: Suigeneris_25 Start: 19394, Stop: 19810, Start Num: 47

Candidate Starts for Suigeneris_25:

(Start: 47 @19394 has 18 MA's), (60, 19454), (72, 19523), (94, 19628), (101, 19658), (133, 19805),

Gene: Sunfish_41 Start: 23003, Stop: 23479, Start Num: 50

Candidate Starts for Sunfish_41:

(Start: 50 @23003 has 39 MA's), (67, 23084), (94, 23234), (102, 23288), (104, 23306), (111, 23333),

Gene: Surely_25 Start: 18686, Stop: 19108, Start Num: 43

Candidate Starts for Surely_25:

(26, 18620), (Start: 43 @18686 has 242 MA's), (Start: 70 @18809 has 1 MA's), (Start: 71 @18815 has 1 MA's), (72, 18821), (89, 18884), (94, 18926), (116, 19004), (122, 19052), (125, 19076), (131, 19094), (132, 19100),

Gene: Swiphy_26 Start: 18675, Stop: 19097, Start Num: 42

Candidate Starts for Swiphy_26:

(Start: 42 @18675 has 54 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Swish_25 Start: 18669, Stop: 19091, Start Num: 43

Candidate Starts for Swish_25:

(26, 18603), (Start: 43 @18669 has 242 MA's), (Start: 70 @18792 has 1 MA's), (Start: 71 @18798 has 1 MA's), (72, 18804), (89, 18867), (94, 18909), (116, 18987), (122, 19035), (125, 19059), (131, 19077), (132, 19083),

Gene: TA17A_27 Start: 20831, Stop: 21259, Start Num: 43

Candidate Starts for TA17A_27:

(34, 20804), (Start: 43 @20831 has 242 MA's), (Start: 50 @20846 has 39 MA's), (Start: 71 @20963 has 1 MA's), (72, 20969), (75, 20996), (85, 21017), (89, 21035), (116, 21155), (117, 21161), (124, 21224), (132, 21251),

Gene: TPA2_31 Start: 19553, Stop: 19993, Start Num: 39

Candidate Starts for TPA2_31:

(39, 19553), (Start: 71 @19697 has 1 MA's), (72, 19703), (89, 19769), (116, 19892), (124, 19961), (129, 19979),

Gene: TallGrassMM_25 Start: 18401, Stop: 18823, Start Num: 43

Candidate Starts for TallGrassMM_25:

(26, 18335), (Start: 43 @18401 has 242 MA's), (Start: 70 @18524 has 1 MA's), (Start: 71 @18530 has 1 MA's), (72, 18536), (89, 18599), (94, 18641), (109, 18692), (116, 18719), (122, 18767), (125, 18791), (131, 18809), (132, 18815),

Gene: Tangent_30 Start: 22736, Stop: 23170, Start Num: 45

Candidate Starts for Tangent_30:

(31, 22706), (Start: 45 @22736 has 110 MA's), (64, 22820), (73, 22895), (81, 22919), (96, 22997), (119, 23090), (125, 23141),

Gene: Tangerine_29 Start: 21738, Stop: 22172, Start Num: 45

Candidate Starts for Tangerine_29:

(40, 21729), (Start: 45 @21738 has 110 MA's), (64, 21822), (73, 21897), (96, 21999), (100, 22020), (116, 22077), (119, 22092), (125, 22143),

Gene: Taptic_19 Start: 18137, Stop: 18547, Start Num: 49

Candidate Starts for Taptic_19:

(Start: 49 @18137 has 8 MA's), (66, 18212), (Start: 71 @18257 has 1 MA's), (72, 18263), (82, 18305), (89, 18329), (92, 18350), (115, 18452), (122, 18497),

Gene: Tardus_31 Start: 22245, Stop: 22676, Start Num: 45

Candidate Starts for Tardus_31:

(33, 22218), (Start: 45 @22245 has 110 MA's), (64, 22329), (69, 22374), (73, 22404), (96, 22506), (97, 22512), (100, 22527), (116, 22584), (119, 22599), (124, 22647), (125, 22650),

Gene: Teehee_34 Start: 22869, Stop: 23273, Start Num: 50

Candidate Starts for Teehee_34:

(28, 22812), (Start: 50 @22869 has 39 MA's), (54, 22905), (92, 23079), (94, 23100), (105, 23145), (108, 23154), (130, 23259), (134, 23268),

Gene: Telesworld_24 Start: 18380, Stop: 18802, Start Num: 43

Candidate Starts for Telesworld_24:

(26, 18314), (Start: 43 @18380 has 242 MA's), (Start: 70 @18503 has 1 MA's), (Start: 71 @18509 has 1 MA's), (72, 18515), (89, 18578), (94, 18620), (116, 18698), (122, 18746), (125, 18770), (131, 18788), (132, 18794),

Gene: Tempo_32 Start: 21006, Stop: 21401, Start Num: 50

Candidate Starts for Tempo_32:

(Start: 50 @21006 has 39 MA's), (Start: 55 @21048 has 1 MA's), (59, 21057), (78, 21165), (106, 21288), (114, 21306), (130, 21393),

Gene: Thing3_29 Start: 23229, Stop: 23663, Start Num: 45

Candidate Starts for Thing3_29:

(31, 23199), (Start: 45 @23229 has 110 MA's), (64, 23313), (73, 23388), (81, 23412), (96, 23490), (100, 23511), (119, 23583), (125, 23634),

Gene: Thonko_24 Start: 17161, Stop: 17574, Start Num: 48

Candidate Starts for Thonko_24:

(9, 16762), (10, 16798), (18, 17026), (Start: 48 @17161 has 25 MA's), (Start: 71 @17281 has 1 MA's), (72, 17287), (74, 17311), (75, 17314), (94, 17392), (119, 17485),

Gene: Thora_25 Start: 18685, Stop: 19107, Start Num: 43

Candidate Starts for Thora_25:

(26, 18619), (Start: 43 @18685 has 242 MA's), (Start: 70 @18808 has 1 MA's), (Start: 71 @18814 has 1 MA's), (72, 18820), (89, 18883), (94, 18925), (116, 19003), (122, 19051), (125, 19075), (131, 19093), (132, 19099),

Gene: ThreeOh3D2_25 Start: 18684, Stop: 19106, Start Num: 43

Candidate Starts for ThreeOh3D2_25:

(26, 18618), (Start: 43 @18684 has 242 MA's), (Start: 70 @18807 has 1 MA's), (Start: 71 @18813 has 1 MA's), (72, 18819), (89, 18882), (94, 18924), (116, 19002), (122, 19050), (125, 19074), (131, 19092), (132, 19098),

Gene: Thunderbird_24 Start: 18384, Stop: 18806, Start Num: 43

Candidate Starts for Thunderbird_24:

(26, 18318), (Start: 43 @18384 has 242 MA's), (Start: 70 @18507 has 1 MA's), (Start: 71 @18513 has 1 MA's), (72, 18519), (89, 18582), (94, 18624), (116, 18702), (122, 18750), (125, 18774), (131, 18792),

(132, 18798),

Gene: Tiamoceli_28 Start: 20458, Stop: 20889, Start Num: 45

Candidate Starts for Tiamoceli_28:

(17, 20290), (Start: 45 @20458 has 110 MA's), (64, 20542), (73, 20617), (99, 20737), (103, 20752), (119, 20812), (121, 20821), (124, 20860), (125, 20863),

Gene: TillyBobJoe_26 Start: 17354, Stop: 17797, Start Num: 45

Candidate Starts for TillyBobJoe_26:

(Start: 45 @17354 has 110 MA's), (96, 17615), (125, 17771),

Gene: Timmi_24 Start: 18395, Stop: 18817, Start Num: 43

Candidate Starts for Timmi_24:

(26, 18329), (Start: 43 @18395 has 242 MA's), (Start: 70 @18518 has 1 MA's), (Start: 71 @18524 has 1 MA's), (72, 18530), (89, 18593), (94, 18635), (116, 18713), (122, 18761), (125, 18785), (131, 18803), (132, 18809),

Gene: Tinciduntolum_28 Start: 20953, Stop: 21381, Start Num: 43

Candidate Starts for Tinciduntolum_28:

(34, 20926), (Start: 43 @20953 has 242 MA's), (Start: 50 @20968 has 39 MA's), (Start: 71 @21085 has 1 MA's), (72, 21091), (75, 21118), (85, 21139), (89, 21157), (116, 21277), (117, 21283), (124, 21346), (132, 21373),

Gene: Tissue_33 Start: 22386, Stop: 22790, Start Num: 50

Candidate Starts for Tissue_33:

(Start: 50 @22386 has 39 MA's), (51, 22398), (92, 22596), (94, 22617), (105, 22662), (108, 22671), (130, 22776), (134, 22785),

Gene: Togo_26 Start: 17570, Stop: 18013, Start Num: 45

Candidate Starts for Togo_26:

(Start: 45 @17570 has 110 MA's), (96, 17831), (125, 17987),

Gene: TomBombadil_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for TomBombadil_25:

(26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Tomlarah_25 Start: 18670, Stop: 19092, Start Num: 43

Candidate Starts for Tomlarah_25:

(26, 18604), (Start: 43 @18670 has 242 MA's), (Start: 70 @18793 has 1 MA's), (Start: 71 @18799 has 1 MA's), (72, 18805), (89, 18868), (94, 18910), (116, 18988), (122, 19036), (125, 19060), (131, 19078), (132, 19084),

Gene: Toni_24 Start: 18379, Stop: 18801, Start Num: 43

Candidate Starts for Toni_24:

(26, 18313), (Start: 43 @18379 has 242 MA's), (Start: 70 @18502 has 1 MA's), (Start: 71 @18508 has 1 MA's), (72, 18514), (89, 18577), (94, 18619), (116, 18697), (122, 18745), (125, 18769), (131, 18787), (132, 18793),

Gene: Tonitrus_40 Start: 27403, Stop: 27783, Start Num: 55

Candidate Starts for Tonitrus_40:

(Start: 45 @27346 has 110 MA's), (Start: 55 @27403 has 1 MA's), (66, 27433), (72, 27484), (84, 27529), (86, 27532), (89, 27547), (90, 27559), (107, 27637), (115, 27667), (116, 27670), (120, 27691),

Gene: Tooj_25 Start: 18681, Stop: 19103, Start Num: 43

Candidate Starts for Tooj_25:

(26, 18615), (Start: 43 @18681 has 242 MA's), (Start: 70 @18804 has 1 MA's), (Start: 71 @18810 has 1 MA's), (72, 18816), (89, 18879), (94, 18921), (116, 18999), (122, 19047), (125, 19071), (131, 19089), (132, 19095),

Gene: Tres_27 Start: 20834, Stop: 21262, Start Num: 43

Candidate Starts for Tres_27:

(34, 20807), (Start: 43 @20834 has 242 MA's), (Start: 50 @20849 has 39 MA's), (Start: 71 @20966 has 1 MA's), (72, 20972), (75, 20999), (85, 21020), (89, 21038), (116, 21158), (117, 21164), (124, 21227), (132, 21254),

Gene: True_24 Start: 18383, Stop: 18805, Start Num: 43

Candidate Starts for True_24:

(26, 18317), (Start: 43 @18383 has 242 MA's), (Start: 70 @18506 has 1 MA's), (Start: 71 @18512 has 1 MA's), (72, 18518), (89, 18581), (94, 18623), (116, 18701), (122, 18749), (125, 18773), (131, 18791), (132, 18797),

Gene: Trypo_25 Start: 18672, Stop: 19094, Start Num: 42

Candidate Starts for Trypo_25:

(Start: 42 @18672 has 54 MA's), (Start: 70 @18795 has 1 MA's), (Start: 71 @18801 has 1 MA's), (72, 18807), (89, 18870), (94, 18912), (116, 18990), (122, 19038), (125, 19062), (131, 19080), (132, 19086),

Gene: Twister6_28 Start: 17997, Stop: 18440, Start Num: 45

Candidate Starts for Twister6_28:

(Start: 45 @17997 has 110 MA's), (96, 18258), (125, 18414),

Gene: Twonlo_25 Start: 19076, Stop: 19507, Start Num: 45

Candidate Starts for Twonlo_25:

(Start: 45 @19076 has 110 MA's), (64, 19160), (73, 19235), (99, 19355), (103, 19370), (119, 19430), (121, 19439), (124, 19478), (125, 19481),

Gene: Tycho_29 Start: 21827, Stop: 22261, Start Num: 45

Candidate Starts for Tycho_29:

(40, 21818), (Start: 45 @21827 has 110 MA's), (64, 21911), (73, 21986), (96, 22088), (100, 22109), (116, 22166), (119, 22181), (125, 22232),

Gene: TyrionL_24 Start: 18236, Stop: 18658, Start Num: 42

Candidate Starts for TyrionL_24:

(Start: 42 @18236 has 54 MA's), (Start: 70 @18359 has 1 MA's), (Start: 71 @18365 has 1 MA's), (72, 18371), (89, 18434), (94, 18476), (116, 18554), (122, 18602), (125, 18626), (131, 18644), (132, 18650),

Gene: UAch1_25 Start: 18692, Stop: 19114, Start Num: 43

Candidate Starts for UAch1_25:

(26, 18626), (Start: 43 @18692 has 242 MA's), (Start: 70 @18815 has 1 MA's), (Start: 71 @18821 has 1 MA's), (72, 18827), (89, 18890), (94, 18932), (109, 18983), (116, 19010), (122, 19058), (125, 19082), (131, 19100), (132, 19106),

Gene: UncleHowie_25 Start: 18382, Stop: 18804, Start Num: 43

Candidate Starts for UncleHowie_25:

(26, 18316), (Start: 43 @18382 has 242 MA's), (Start: 70 @18505 has 1 MA's), (Start: 71 @18511 has 1 MA's), (72, 18517), (89, 18580), (94, 18622), (116, 18700), (122, 18748), (125, 18772), (131, 18790), (132, 18796),

Gene: Usavi_25 Start: 18683, Stop: 19105, Start Num: 43

Candidate Starts for Usavi_25:

(26, 18617), (Start: 43 @18683 has 242 MA's), (Start: 70 @18806 has 1 MA's), (Start: 71 @18812 has 1 MA's), (72, 18818), (89, 18881), (94, 18923), (109, 18974), (116, 19001), (122, 19049), (125, 19073), (131, 19091), (132, 19097),

Gene: Vaishali24_24 Start: 18341, Stop: 18763, Start Num: 42

Candidate Starts for Vaishali24_24:

(Start: 42 @18341 has 54 MA's), (Start: 70 @18464 has 1 MA's), (Start: 71 @18470 has 1 MA's), (72, 18476), (89, 18539), (94, 18581), (116, 18659), (122, 18707), (125, 18731), (131, 18749), (132, 18755),

Gene: Valary_29 Start: 18503, Stop: 18946, Start Num: 45

Candidate Starts for Valary_29:

(Start: 45 @18503 has 110 MA's), (96, 18764), (125, 18920),

Gene: Valjean_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for Valjean_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: VanDeWege_29 Start: 18378, Stop: 18821, Start Num: 45

Candidate Starts for VanDeWege_29:

(Start: 45 @18378 has 110 MA's), (96, 18639), (125, 18795),

Gene: Vaticameos_25 Start: 18373, Stop: 18795, Start Num: 43

Candidate Starts for Vaticameos_25:

(26, 18307), (Start: 43 @18373 has 242 MA's), (Start: 70 @18496 has 1 MA's), (Start: 71 @18502 has 1 MA's), (72, 18508), (89, 18571), (94, 18613), (116, 18691), (122, 18739), (125, 18763), (131, 18781), (132, 18787),

Gene: Veritas_24 Start: 18242, Stop: 18664, Start Num: 42

Candidate Starts for Veritas_24:

(Start: 42 @18242 has 54 MA's), (63, 18314), (Start: 70 @18365 has 1 MA's), (Start: 71 @18371 has 1 MA's), (72, 18377), (89, 18440), (94, 18482), (116, 18560), (122, 18608), (125, 18632), (131, 18650), (132, 18656),

Gene: Verity_29 Start: 23097, Stop: 23528, Start Num: 45

Candidate Starts for Verity_29:

(33, 23070), (Start: 45 @23097 has 110 MA's), (64, 23181), (68, 23211), (69, 23226), (73, 23256), (79, 23277), (96, 23358), (97, 23364), (103, 23391), (116, 23436), (119, 23451), (124, 23499), (125, 23502),

Gene: ViaConlectus_30 Start: 21588, Stop: 22019, Start Num: 45

Candidate Starts for ViaConlectus_30:

(25, 21528), (33, 21561), (Start: 45 @21588 has 110 MA's), (69, 21717), (73, 21747), (96, 21849), (97, 21855), (100, 21870), (116, 21927), (119, 21942), (124, 21990), (125, 21993),

Gene: Vic9_28 Start: 21282, Stop: 21710, Start Num: 43

Candidate Starts for Vic9_28:

(34, 21255), (Start: 43 @21282 has 242 MA's), (Start: 50 @21297 has 39 MA's), (72, 21420), (75, 21447), (85, 21468), (89, 21486), (94, 21528), (116, 21606), (117, 21612), (124, 21675), (132, 21702),

Gene: Viceroy_32 Start: 21635, Stop: 22048, Start Num: 50

Candidate Starts for Viceroy_32:

(28, 21578), (Start: 50 @21635 has 39 MA's), (54, 21671), (78, 21794), (104, 21911), (108, 21926),

Gene: Vincenzo_24 Start: 20089, Stop: 20502, Start Num: 48

Candidate Starts for Vincenzo_24:

(29, 20038), (Start: 48 @20089 has 25 MA's), (Start: 71 @20209 has 1 MA's), (72, 20215), (90, 20290), (94, 20320), (115, 20395), (119, 20413), (132, 20494),

Gene: VioletZ_23 Start: 19392, Stop: 19805, Start Num: 48

Candidate Starts for VioletZ_23:

(Start: 48 @19392 has 25 MA's), (Start: 70 @19506 has 1 MA's), (Start: 71 @19512 has 1 MA's), (72, 19518), (80, 19554), (90, 19593), (93, 19605), (94, 19623), (124, 19770), (132, 19797),

Gene: Virapocalypse_25 Start: 18666, Stop: 19088, Start Num: 43

Candidate Starts for Virapocalypse_25:

(26, 18600), (Start: 43 @18666 has 242 MA's), (Start: 70 @18789 has 1 MA's), (Start: 71 @18795 has 1 MA's), (72, 18801), (89, 18864), (94, 18906), (116, 18984), (122, 19032), (125, 19056), (131, 19074), (132, 19080),

Gene: Virgeve_24 Start: 18408, Stop: 18830, Start Num: 42

Candidate Starts for Virgeve_24:

(Start: 42 @18408 has 54 MA's), (63, 18480), (Start: 70 @18531 has 1 MA's), (Start: 71 @18537 has 1 MA's), (72, 18543), (89, 18606), (94, 18648), (116, 18726), (122, 18774), (125, 18798), (131, 18816), (132, 18822),

Gene: Vista_25 Start: 18680, Stop: 19102, Start Num: 43

Candidate Starts for Vista_25:

(26, 18614), (Start: 43 @18680 has 242 MA's), (Start: 70 @18803 has 1 MA's), (Start: 71 @18809 has 1 MA's), (72, 18815), (89, 18878), (94, 18920), (109, 18971), (116, 18998), (122, 19046), (125, 19070), (131, 19088), (132, 19094),

Gene: Vivaldi_25 Start: 18710, Stop: 19132, Start Num: 43

Candidate Starts for Vivaldi_25:

(26, 18644), (Start: 43 @18710 has 242 MA's), (Start: 70 @18833 has 1 MA's), (Start: 71 @18839 has 1 MA's), (72, 18845), (89, 18908), (94, 18950), (116, 19028), (122, 19076), (125, 19100), (131, 19118), (132, 19124),

Gene: Vivi2_32 Start: 23909, Stop: 24343, Start Num: 45

Candidate Starts for Vivi2_32:

(31, 23879), (Start: 45 @23909 has 110 MA's), (64, 23993), (73, 24068), (81, 24092), (96, 24170), (100, 24191), (119, 24263), (125, 24314),

Gene: Vortex_25 Start: 18390, Stop: 18812, Start Num: 43

Candidate Starts for Vortex_25:

(26, 18324), (Start: 43 @18390 has 242 MA's), (Start: 70 @18513 has 1 MA's), (Start: 71 @18519 has 1 MA's), (72, 18525), (89, 18588), (94, 18630), (116, 18708), (122, 18756), (125, 18780), (131, 18798), (132, 18804),

Gene: Waleliano_23 Start: 19331, Stop: 19744, Start Num: 48

Candidate Starts for Waleliano_23:

(Start: 48 @19331 has 25 MA's), (Start: 70 @19445 has 1 MA's), (Start: 71 @19451 has 1 MA's), (72, 19457), (80, 19493), (90, 19532), (93, 19544), (94, 19562), (116, 19640), (124, 19709), (125, 19712), (132, 19736),

Gene: Wallhey_24 Start: 18240, Stop: 18662, Start Num: 42

Candidate Starts for Wallhey_24:

(Start: 42 @18240 has 54 MA's), (Start: 70 @18363 has 1 MA's), (Start: 71 @18369 has 1 MA's), (72, 18375), (89, 18438), (94, 18480), (116, 18558), (122, 18606), (125, 18630), (131, 18648), (132, 18654),

Gene: Waterdiva_25 Start: 18675, Stop: 19097, Start Num: 43

Candidate Starts for Waterdiva_25:

(26, 18609), (Start: 43 @18675 has 242 MA's), (Start: 70 @18798 has 1 MA's), (Start: 71 @18804 has 1 MA's), (72, 18810), (89, 18873), (94, 18915), (116, 18993), (122, 19041), (125, 19065), (131, 19083), (132, 19089),

Gene: Wayne3_34 Start: 22632, Stop: 23036, Start Num: 50

Candidate Starts for Wayne3_34:

(28, 22575), (Start: 50 @22632 has 39 MA's), (54, 22668), (92, 22842), (94, 22863), (105, 22908), (108, 22917), (130, 23022), (134, 23031),

Gene: Weher20_25 Start: 18668, Stop: 19090, Start Num: 42

Candidate Starts for Weher20_25:

(Start: 42 @18668 has 54 MA's), (Start: 70 @18791 has 1 MA's), (Start: 71 @18797 has 1 MA's), (72, 18803), (89, 18866), (94, 18908), (116, 18986), (122, 19034), (125, 19058), (131, 19076), (132, 19082),

Gene: West99_27 Start: 20954, Stop: 21382, Start Num: 43

Candidate Starts for West99_27:

(34, 20927), (Start: 43 @20954 has 242 MA's), (Start: 50 @20969 has 39 MA's), (Start: 71 @21086 has 1 MA's), (72, 21092), (75, 21119), (85, 21140), (89, 21158), (116, 21278), (117, 21284), (124, 21347), (132, 21374),

Gene: Wheelie_32 Start: 21950, Stop: 22354, Start Num: 50

Candidate Starts for Wheelie_32:

(28, 21893), (Start: 50 @21950 has 39 MA's), (54, 21986), (92, 22160), (94, 22181), (105, 22226), (108, 22235), (130, 22340), (134, 22349),

Gene: Wilca_32 Start: 20827, Stop: 21222, Start Num: 50

Candidate Starts for Wilca_32:

(Start: 50 @20827 has 39 MA's), (Start: 55 @20869 has 1 MA's), (59, 20878), (78, 20986), (114, 21127), (126, 21196), (130, 21214),

Gene: Windsor_24 Start: 18360, Stop: 18782, Start Num: 42

Candidate Starts for Windsor_24:

(Start: 42 @18360 has 54 MA's), (63, 18432), (Start: 70 @18483 has 1 MA's), (Start: 71 @18489 has 1 MA's), (72, 18495), (89, 18558), (94, 18600), (116, 18678), (122, 18726), (125, 18750), (131, 18768),

(132, 18774),

Gene: Wizard_26 Start: 17704, Stop: 18147, Start Num: 45

Candidate Starts for Wizard_26:

(Start: 45 @17704 has 110 MA's), (96, 17965), (125, 18121),

Gene: Wooper_24 Start: 18613, Stop: 19023, Start Num: 45

Candidate Starts for Wooper_24:

(Start: 45 @18613 has 110 MA's), (77, 18775), (82, 18787), (116, 18931),

Gene: Xavier_24 Start: 18393, Stop: 18815, Start Num: 43

Candidate Starts for Xavier_24:

(26, 18327), (Start: 43 @18393 has 242 MA's), (Start: 70 @18516 has 1 MA's), (Start: 71 @18522 has 1 MA's), (72, 18528), (89, 18591), (94, 18633), (116, 18711), (122, 18759), (125, 18783), (131, 18801), (132, 18807),

Gene: Xincheng_22 Start: 18792, Stop: 19205, Start Num: 48

Candidate Starts for Xincheng_22:

(Start: 48 @18792 has 25 MA's), (Start: 70 @18906 has 1 MA's), (Start: 71 @18912 has 1 MA's), (72, 18918), (80, 18954), (90, 18993), (93, 19005), (94, 19023), (109, 19074), (116, 19101), (124, 19170), (125, 19173), (132, 19197),

Gene: Yago84_22 Start: 17516, Stop: 17929, Start Num: 45

Candidate Starts for Yago84_22:

(Start: 45 @17516 has 110 MA's), (61, 17585), (72, 17651), (85, 17699), (107, 17807), (124, 17906),

Gene: Yeshua_24 Start: 18590, Stop: 19000, Start Num: 45

Candidate Starts for Yeshua_24:

(Start: 45 @18590 has 110 MA's), (77, 18752), (82, 18764), (116, 18908),

Gene: YorkOnyx_30 Start: 22083, Stop: 22517, Start Num: 38

Candidate Starts for YorkOnyx_30:

(Start: 38 @22083 has 7 MA's), (53, 22137), (64, 22167), (76, 22257), (79, 22263), (96, 22344), (100, 22365), (119, 22437), (125, 22488),

Gene: Yoshand_25 Start: 18682, Stop: 19104, Start Num: 43

Candidate Starts for Yoshand_25:

(26, 18616), (Start: 43 @18682 has 242 MA's), (Start: 70 @18805 has 1 MA's), (Start: 71 @18811 has 1 MA's), (72, 18817), (89, 18880), (94, 18922), (116, 19000), (122, 19048), (125, 19072), (131, 19090), (132, 19096),

Gene: YouGoGlencoco_25 Start: 18671, Stop: 19093, Start Num: 43

Candidate Starts for YouGoGlencoco_25:

(26, 18605), (Start: 43 @18671 has 242 MA's), (Start: 70 @18794 has 1 MA's), (Start: 71 @18800 has 1 MA's), (72, 18806), (89, 18869), (94, 18911), (116, 18989), (122, 19037), (125, 19061), (131, 19079), (132, 19085),

Gene: YungMoney_28 Start: 19070, Stop: 19513, Start Num: 45

Candidate Starts for YungMoney_28:

(Start: 45 @19070 has 110 MA's), (125, 19487),

Gene: Zagie_33 Start: 22073, Stop: 22486, Start Num: 50

Candidate Starts for Zagie_33:

(28, 22016), (Start: 50 @22073 has 39 MA's), (78, 22232), (104, 22349), (108, 22364),

Gene: Zaider_26 Start: 18907, Stop: 19329, Start Num: 43

Candidate Starts for Zaider_26:

(26, 18841), (Start: 43 @18907 has 242 MA's), (Start: 70 @19030 has 1 MA's), (Start: 71 @19036 has 1 MA's), (72, 19042), (89, 19105), (94, 19147), (116, 19225), (122, 19273), (125, 19297), (131, 19315), (132, 19321),

Gene: Zelda_25 Start: 18676, Stop: 19098, Start Num: 43

Candidate Starts for Zelda_25:

(26, 18610), (Start: 43 @18676 has 242 MA's), (Start: 70 @18799 has 1 MA's), (Start: 71 @18805 has 1 MA's), (72, 18811), (89, 18874), (94, 18916), (116, 18994), (122, 19042), (125, 19066), (131, 19084), (132, 19090),

Gene: Zemanar_24 Start: 19331, Stop: 19744, Start Num: 48

Candidate Starts for Zemanar_24:

(Start: 48 @19331 has 25 MA's), (Start: 70 @19445 has 1 MA's), (Start: 71 @19451 has 1 MA's), (72, 19457), (80, 19493), (90, 19532), (93, 19544), (94, 19562), (116, 19640), (124, 19709), (125, 19712), (132, 19736),

Gene: Zenteno07_29 Start: 19112, Stop: 19528, Start Num: 47

Candidate Starts for Zenteno07_29:

(Start: 47 @19112 has 18 MA's), (Start: 71 @19235 has 1 MA's), (74, 19265), (75, 19268), (116, 19424), (119, 19439), (132, 19520),

Gene: Zhafia_36 Start: 22428, Stop: 22832, Start Num: 50

Candidate Starts for Zhafia_36:

(28, 22371), (Start: 50 @22428 has 39 MA's), (54, 22464), (92, 22638), (94, 22659), (105, 22704), (108, 22713), (130, 22818), (134, 22827),

Gene: Zipp_29 Start: 22994, Stop: 23425, Start Num: 45

Candidate Starts for Zipp_29:

(33, 22967), (Start: 45 @22994 has 110 MA's), (68, 23108), (69, 23123), (73, 23153), (79, 23174), (96, 23255), (97, 23261), (103, 23288), (116, 23333), (119, 23348), (124, 23396), (125, 23399),

Gene: Zitch_31 Start: 20868, Stop: 21299, Start Num: 45

Candidate Starts for Zitch_31:

(33, 20841), (Start: 45 @20868 has 110 MA's), (64, 20952), (69, 20997), (73, 21027), (79, 21048), (96, 21129), (97, 21135), (100, 21150), (116, 21207), (119, 21222), (124, 21270), (125, 21273),

Gene: Zonia_25 Start: 18690, Stop: 19112, Start Num: 42

Candidate Starts for Zonia_25:

(Start: 42 @18690 has 54 MA's), (Start: 70 @18813 has 1 MA's), (Start: 71 @18819 has 1 MA's), (72, 18825), (89, 18888), (94, 18930), (116, 19008), (122, 19056), (125, 19080), (131, 19098), (132, 19104),

Gene: phiAsp2_21 Start: 13673, Stop: 14086, Start Num: 48

Candidate Starts for phiAsp2_21:

(Start: 48 @13673 has 25 MA's), (58, 13724), (67, 13754), (72, 13796), (79, 13832), (88, 13856), (89, 13859), (90, 13871), (113, 13964), (119, 13994),