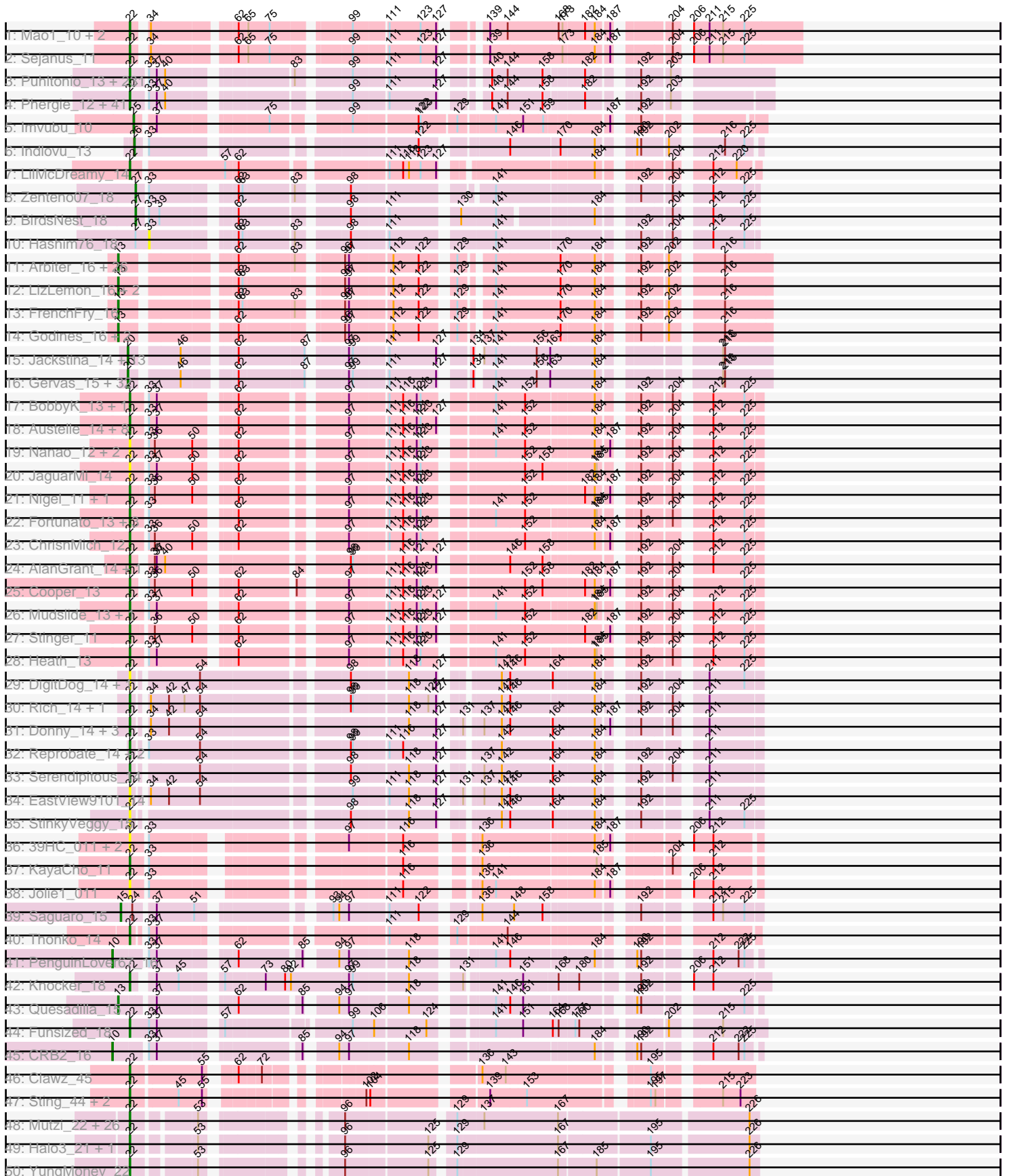
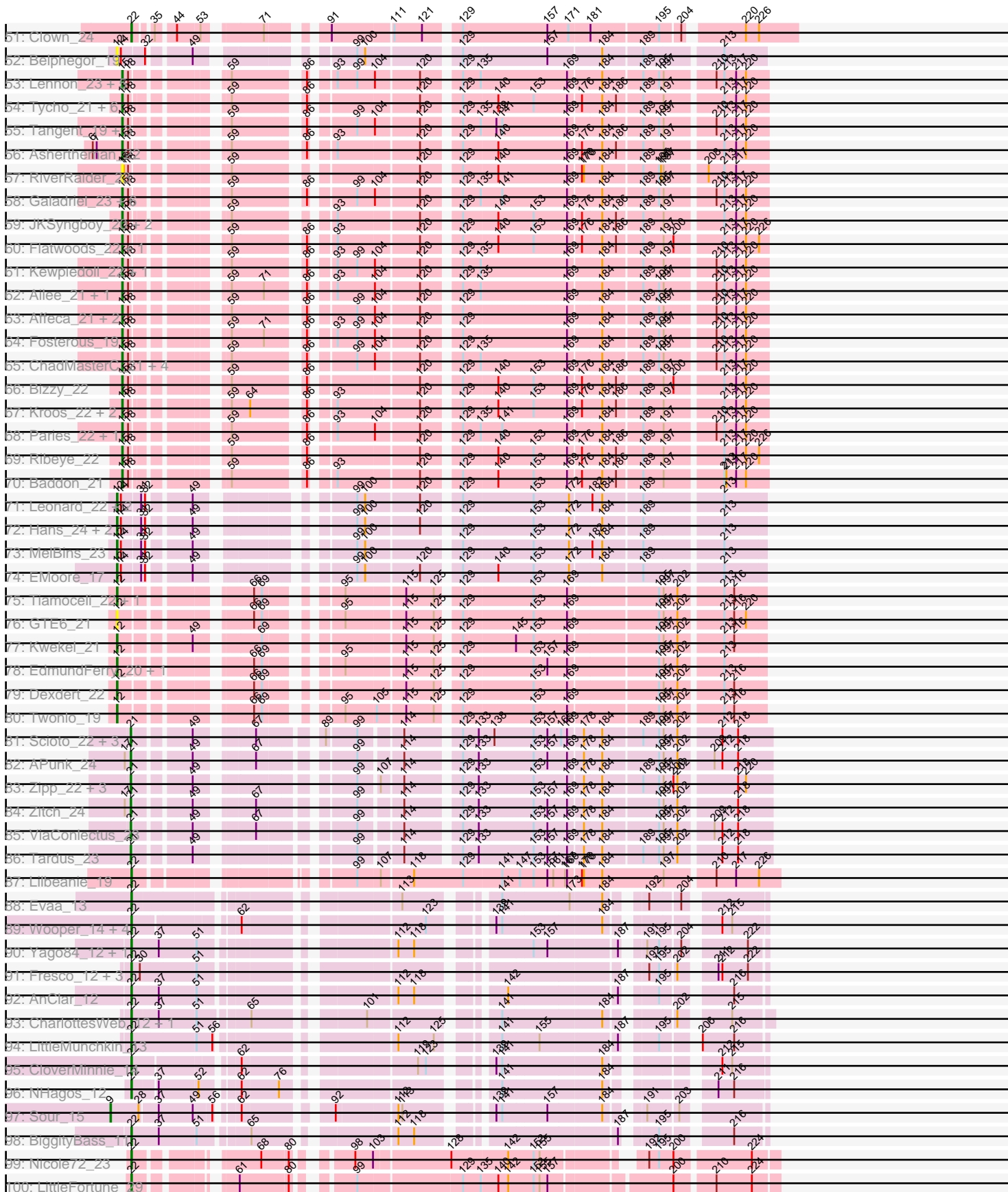


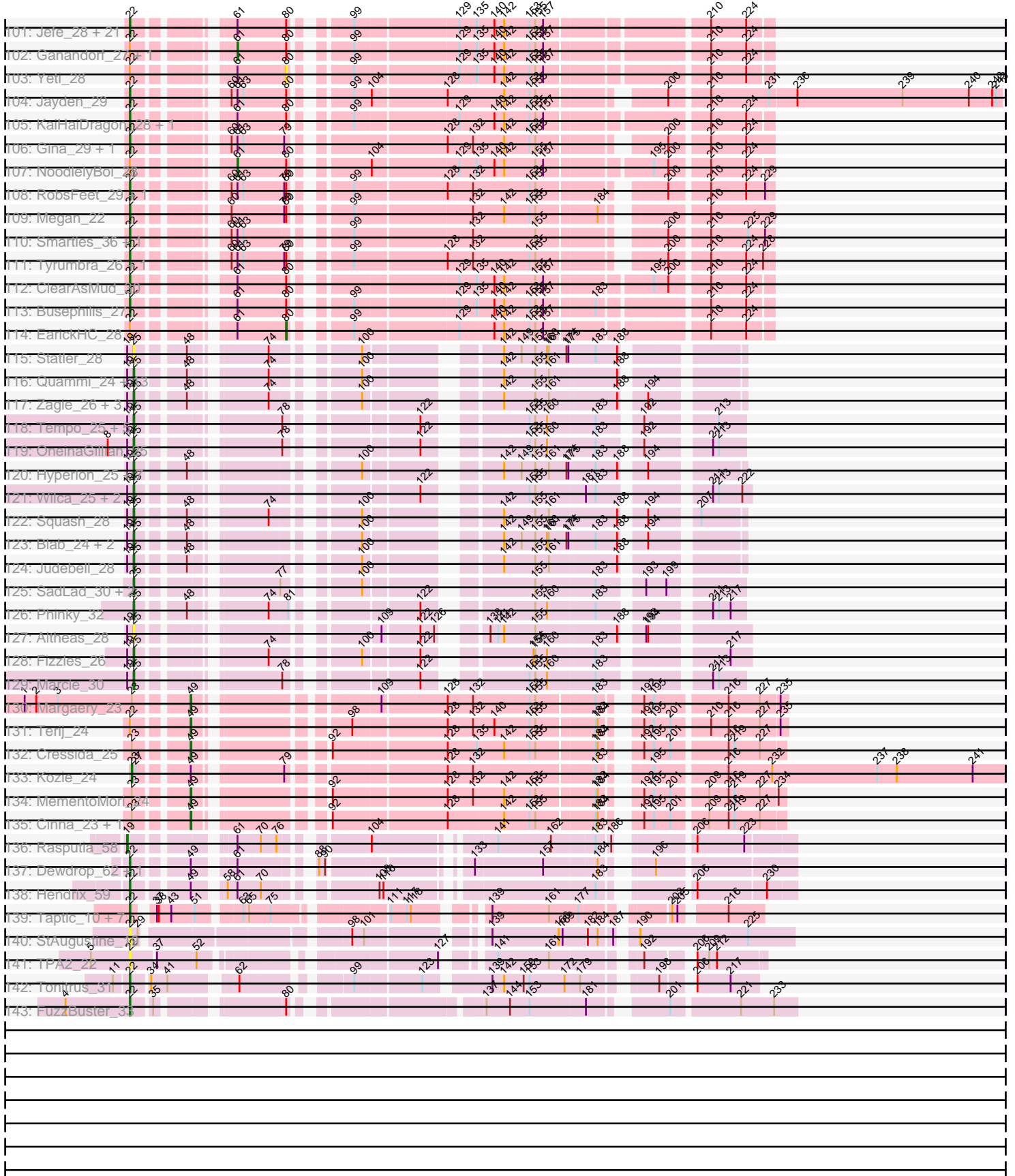
Pham 171086



Pham 171086



Pham 171086



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 171086 Report

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

Pham number 171086 has 672 members, 79 are drafts.

Phages represented in each track:

- Track 1 : Mao1_10, Dori_11, Mask_11
- Track 2 : Sejanus_11
- Track 3 : Puhltonio_13, Soto_13, HSavage_13, Zaider_14, Durga_13, HenryJackson_12, Sheila_13, Gyarad_0013, Cornobble_12, Fringe_13, Numberten_13, Vaishali24_12, Carthage_12, Phamished_13, Doddsville_13, OliverWalter_13, TallGrassMM_13, Dione_12, FluffyNinja_13, Chaelin_12, Yoshand_13, Etaye_13, Virgeve_12, Toni_12, Vivaldi_13, Simielle_12, Plmatters_13, Newman_13, Nacho_0013, JakeO_12, CheetO_13, Piglet_0012, Squid_13, CamL_13, Daffy_13, Roscoe_14, Antonia_12, Mosaic_12, DelRivs_12, Serpentine_0013, KlimbOn_13, BlueHusk_13, Hamish_13, Suffolk_13, Mikota_13, Rimu_12, KLucky39_13, ThreeOh3D2_13, Sophia_12, Kikipoo_13, Grand2040_12, DonSanchon_12, PhatLouie_13, FugateOSU_12, Solosis_12, Mutante_12, Keitherie_13, Crownjwl_13, Maru_12, Aelin_12, Serendipity_13, DaddyDaniels_13, Inchworm_13, Placalicious_12, Dati_13, Haimas_13, DirtJuice_13, Badfish_13, Oline_12, Jiraiya_13, Jillium_12, Altwerkus_12, Nicole21_13, Surely_13, Chorkpop_13, Hetaeria_13, Slatt_13, Virapocalypse_13, Burr_12, Selr12_13, MrPhizzler_12, UncleHowie_13, Valjean_13, Pipsqueak_13, Pherdinand_13, Childish_12, MiniBoss_13, Soile_13, Ricotta_13, Mulan_12, Prickles_13, Duggie_12, Iridoclysis_13, OSmaximus_13, Schueller_12, Gophee_13, Gwilliam_13, Horchata_13, Mana_12, Magic8_13, Morgushi_13, MitKao_13, Olak_12, Boehler_13, Thunderbird_13, PinheadLarry_13, Vista_13, JangoPhett_13, DoesntMatter_13, SDcharge11_13, BlackStallion_13, Riggan_13, Bishoperium_12, UAch1_13, Mesh1_13, Mecca_12, AbsoluteMadLad_12, Fang_13, TomBombadil_13, Quisquilliae_13, Phipps_13, Craff_13, Kwadwo_12, Lulwa_13, Manad_12, PhrodoBaggins_12, ProfessorX_13, Gareth_12, Kwksand96_12, JDog_12, Beaglebox_12, Robyn_12, FriarPreacher_13, Cannibal_13, Bluephacebaby_12, Scoot17C_13, Lasso_13, LostAndPhound_12, Lopsy_12, Schadenfreude_12, Katniss_13, Tooj_13, Haleema_12, Freya_12, Pacifista_14, Melc17_13, AltPhacts_13, Orion_13, Xavier_12, SassyCat97_12, Emiris_13, Charles1_13, PG1_13, Vortex_13, Cobra_13, Megatron_13, QueenBeane_13, Telesworld_12, Omniscient_13, LeeLot_13, Podrick_13, Giraffe_13, Murdoc_13, KingTut_12, IsaacEli_13, Vaticameos_13, Potter_12, Pops_13, Chunky_13, Held_13, Kimbrough_13, CampRoach_13, Dingo_13, Oosterbaan_13, LeiMonet_13, Windsor_12, Roliet_13, Anderson_13, Harvey_13, Lego3393_13, Legolas_12, Tomlarah_13, Timmi_12, Nyala_12, Spartan300_13, Phareon_13, LemonSlice_13, Chah_13, Inverness_13, Hertubise_13, Fozzie_12, Jiminy_12, Zelda_13, Banjo_12, EmpTee_13, Samaymay_13, Eugenia_13, Adriana_13, Orwigg_13, MRabcd_12,

Thora_13, HighStump_12, LasagnaCat_13, Frankicide_13, Eremos_13, Basato_14, Morty_13, Apizium_12, LuckyMarjie_12, Daka_13, Matalotodo_12, Dice_13, KingVeVeVe_13, Cher_12, Buckeye_13, Trypo_13, GeneCoco_13, Colbert_13, Brilliant_13, RedMaple_12, Skippy_13, Kahve_12, Usavi_13, Swiphy_13, Weher20_13, Squiggle_13, YouGoGlencoco_13, Cosmolli16_12, Megamind20_13, Mcshane_12, Kloppinator_13, PhatCats2014_13

- Track 4 : Phergie_12, JacAttac_13, Orfeu_12, Andre_13, Hocus_12, Hartsy_13, ABU_13, Struggle_12, Phenghiskhan_12, ImtiyazSitla_12, Roy17_13, Maskar_12, Labeouficaum_12, CharlieGBrown_12, BatteryCK_12, Swish_13, DuchessDung_12, Pinkman_12, Phleuron_12, Derpp_12, MichaelPhcott_12, Kailash_13, Zonia_13, True_12, Sigman_13, MelsMeow_12, Wallhey_12, PhrankReynolds_12, Waterdiva_13, Longacauda_12, Chute_12, Mag7_12, Ashraf_12, Lulumae_12, Olive_13, Lumine_12, TyrionL_12, Scrick_12, Veritas_12, Coletti_12, Phunky_13, ShiVal_13
- Track 5 : Imvubu_10
- Track 6 : Indlovu_13
- Track 7 : LilMcDreamy_14
- Track 8 : Zenteno07_18
- Track 9 : BirdsNest_18
- Track 10 : Hashim76_18
- Track 11 : Arbiter_16, Kheth_16, Ares_16, Eaglehorse_16, ItsyBitsy1_16, Lephleur_16, Calamitous_16, Blocker23_16, Phantasmagoria_16, Boyle_16, TA17A_16, Rhinoforte_16, Faze9_16, Lars_16, Kaleb_16, Tres_16, Brownie5_16, Rosebush_16, Tinciduntolum_17, Qyrzula_15, West99_16, Hedgerow_16, Allegro_16, Sabella_16, MasterPo_16, Bananafish_16, Opia_16
- Track 12 : LizLemon_16, Laurie_16, Glass_16
- Track 13 : FrenchFry_16
- Track 14 : Godines_16, Holeinone_16, Coffee_16
- Track 15 : Jackstina_14, Yinz_15, Pipefish_15, HarveySr_15, Briakila_15, Compostia_16, Heathcliff_15, Daisy_15, Corofin_15, RomaT_15, Philly_14, SlippinJimmy_15, Chandler_15, LestyG_15
- Track 16 : Gervas_15, SynergyX_15, GlenHope_16, RagingRooster_15, Audrey_15, Bernardo_15, Casbah_14, Ben11_14, Neos5_15, Kamiyu_15, Deenasa_15, Kronus_14, Halfpint_14, Athena_16, Nozo_15, ChaChing_15, Akoma_15, Rita1961_15, Yahalom_15, Morty007_15, Mortcellus_14, Marley1013_15, Baloo_15, OrangeOswald_15, Phlyer_15, Tydolla_15, Abinghost_15, Gadjet_16, Devonte_15, Obutu_15, MmasiCarm_15, Phayeta_15, Phaedruss_14
- Track 17 : BobbyK_13, Frederick_13
- Track 18 : Austelle_14, RawrgerThat_13, Hydro_13, Mithril_13, Lolalove_13, Hangman_13, Zemanar_14, Waleliano_13, BrownCNA_14
- Track 19 : Nanao_12, Poster_12, Ahwei_12
- Track 20 : JaguarMi_14
- Track 21 : Nigel_11, JAMaL_13
- Track 22 : Fortunato_13, Apex_13, Magpie_13, VioletZ_13
- Track 23 : ChrisnMich_12
- Track 24 : AlanGrant_14, Vincenzo_14
- Track 25 : Cooper_13
- Track 26 : Mudslide_13, Prince_14
- Track 27 : Stinger_11
- Track 28 : Heath_13
- Track 29 : DigitDog_14, Nangang_14
- Track 30 : Rich_14, Bae_14

- Track 31 : Donny_14, Suigeneris_14, Acadian_14, SirJeffery_14
- Track 32 : Reprobate_14, Phelemich_14, Mysterious_14
- Track 33 : Serendipitous_14
- Track 34 : EastView9101_14
- Track 35 : StinkyVeggy_15
- Track 36 : 39HC_011, 40BC_011, Hosp_09
- Track 37 : KayaCho_11
- Track 38 : Jolie1_011
- Track 39 : Saguaro_15
- Track 40 : Thonko_14
- Track 41 : PenguinLover67_16
- Track 42 : Knocker_18
- Track 43 : Quesadilla_15
- Track 44 : Funsized_18
- Track 45 : CRB2_16
- Track 46 : Clawz_45
- Track 47 : Sting_44, DonTron_45, Soos_41
- Track 48 : Mutzi_22, TillyBobJoe_20, ClamChowder_22, Gezellig_21, KimmyK_22, PinkCoffee_22, Evamon_20, Fugax_22, Jambalaya_20, Salvador_20, Arri_23, VanDeWege_23, Valary_23, Togo_20, Danyall_22, Twister6_22, Phlop_20, Savbucketdawg_20, Wizard_20, RogerDodger_23, Portcullis_20, PullumCavea_20, Nubi_20, Shinji_20, Fireball_21, Barb_22, SmokingBunny_20
- Track 49 : Halo3_21, Bakery_21
- Track 50 : YungMoney_22
- Track 51 : Clown_24
- Track 52 : Belphegor_19
- Track 53 : Lennon_23, Bibwit_22, Barsten_22, Stultus_21, Sedona_23, Sitar_23
- Track 54 : Tycho_21, Gaea_21, Baumdotcom_21, Gustavo_21, Kwobi_22, Saronaya_21, YorkOnyx_22
- Track 55 : Tangent_19, Charming_19, Shivanishola_21, BobBob_19
- Track 56 : Ashertheman_22
- Track 57 : RiverRaider_23
- Track 58 : Galadriel_23, MoontowerMania_20, McKinley_22, Rofo_21, Love_23, Vivi2_21, Nordenberg_16
- Track 59 : JKSyngboy_20, SchottB_20, LilHam_19
- Track 60 : Flatwoods_22, Derg_19
- Track 61 : Kewpiedoll_22, Geodirt_20
- Track 62 : Ailee_21, Keitabear_23
- Track 63 : Affeca_21, Fitzgerald_19, Angelicage_21
- Track 64 : Fosterous_19
- Track 65 : ChadMasterC_21, Sanjuju_19, Jabberwocky_19, Kamashten_22, Thing3_22
- Track 66 : Bizzy_22
- Track 67 : Kroos_22, Tangerine_21, StorminNorm_21
- Track 68 : Paries_22, Brandonk123_23
- Track 69 : Ribeye_22
- Track 70 : Baddon_21
- Track 71 : Leonard_22, Ali17_20, Phinally_22
- Track 72 : Hans_24, Phauci_15, Inspectinfecti_23
- Track 73 : MelBins_23
- Track 74 : EMoore_17
- Track 75 : Tiamoceli_22, Chickadee_21
- Track 76 : GTE6_21

- Track 77 : Kwekel_21
- Track 78 : EdmundFerry_20, RoadKill_19
- Track 79 : Dextert_22
- Track 80 : Twonlo_19
- Track 81 : Scioto_22, Natkenzie_22, Sampson_22, Abblin_22
- Track 82 : APunk_24
- Track 83 : Zipp_22, Delrey21_22, DoctorFroggo_22, Verity_22
- Track 84 : Zitch_24
- Track 85 : ViaConlectus_23
- Track 86 : Tardus_23
- Track 87 : Lilbeanie_19
- Track 88 : Evaa_13
- Track 89 : Wooper_14, CaiB_14, MakoManhole_14, MossRose_14, AnarQue_14
- Track 90 : Yago84_12, Sisko_12
- Track 91 : Fresco_12, Axumite_12, Shatter_12, Ligma_12
- Track 92 : AnClar_12
- Track 93 : CharlottesWeb_12, Mariokart_12
- Track 94 : LittleMunchkin_13
- Track 95 : CloverMinnie_14
- Track 96 : NHagos_12
- Track 97 : Sour_15
- Track 98 : BiggityBass_11
- Track 99 : Nicole72_23
- Track 100 : LittleFortune_29
- Track 101 : Jefe_28, Onika_27, Phrancesco_28, Savannah_27, Selwyn23_29, BrazzalePHS_27, Kowalski_27, Cranjjs_29, Jollipop_28, Pulchra_29, Shotgun_27, Paschalis_27, Hermeonysus_27, Ramiel05_27, Piperis_28, Honeyfin_29, Quhwah_31, PiperSansNom_28, Antares_28, Scumberland_29, CrazyRich_27, Phorgeous_27
- Track 102 : Ganandorf_27, PierreOrion_28
- Track 103 : Yeti_28
- Track 104 : Jayden_29
- Track 105 : KaiHaiDragon_28, Crisis_29
- Track 106 : Gina_29, Teamocil_29
- Track 107 : NoodlelyBoi_28
- Track 108 : RobsFeet_29, Metamorphoo_28
- Track 109 : Megan_22
- Track 110 : Smarties_36, Ariadne_36
- Track 111 : Tyrumbra_26, Fireman_28
- Track 112 : ClearAsMud_30
- Track 113 : Busephilis_27
- Track 114 : EarickHC_28
- Track 115 : Statler_28
- Track 116 : Quammi_24, Teehee_27, Lonelysoil_25, Wayne3_27, Rudy_24, Sillytadpoles_26, Phabia_26, Jehoshaphat_28, Viceroy_25, Casend_27, Llemily_26, Zhafia_29, Wheelie_25, DonaldDuck_26
- Track 117 : Zagie_26, Nike_26, BabyDotz_25, Rowlf_22
- Track 118 : Tempo_25, Romm_27, CandC_24, RobinRose_27, Kelcole_24, Fregley_26
- Track 119 : OneinaGillian_25
- Track 120 : Hyperion_25, Grassboy_27, Mashley_24, StrawberryJamm_28, Gazebo_25, AluminumJesus_24, Namago_26, Kyva_28
- Track 121 : Wilca_25, Pepe25_24, BirdInFrench_25

- Track 122 : Squash_28
- Track 123 : Blab_24, Tissue_26, SallyK_27
- Track 124 : Judebell_28
- Track 125 : SadLad_30, Fransoyer_28, RubyRalph_28
- Track 126 : Phinky_32
- Track 127 : Altheas_28
- Track 128 : Fizzles_26
- Track 129 : Marcie_30
- Track 130 : Margaery_23
- Track 131 : Terij_24
- Track 132 : Cressida_25
- Track 133 : Kozie_24
- Track 134 : MementoMori_24
- Track 135 : Cinna_23, Matzah_24
- Track 136 : Rasputia_58
- Track 137 : Dewdrop_62, Leaf_62
- Track 138 : Hendrix_59
- Track 139 : Taptic_10, Argie_11, D12_10, PR_10, Megabear_10, GodPhather_11, Jeon_10, Cepens_10
- Track 140 : StAugustine_19
- Track 141 : TPA2_22
- Track 142 : Tonitrus_31
- Track 143 : FuzzBuster_33

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

The start number called the most often in the published annotations is 22, it was called in 393 of the 593 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_011, 40BC_011, ABU_13, AbsoluteMadLad_12, Acadian_14, Adriana_13, Aelin_12, Ahwei_12, AlanGrant_14, AltPhacts_13, Altwerkus_12, AnClar_12, AnarQue_14, Anderson_13, Andre_13, Antares_28, Antonia_12, Apex_13, Apizium_12, Argie_11, Ariadne_36, Arri_23, Ashraf_12, Austelle_14, Axumite_12, Badfish_13, Bae_14, Bakery_21, Banjo_12, Barb_22, Basato_14, BatteryCK_12, Beaglebox_12, BiggityBass_11, Bishoperium_12, BlackStallion_13, BlueHusk_13, Bluephacebaby_12, BobbyK_13, Boehler_13, BrazzalePHS_27, Brilliant_13, BrownCNA_14, Buckeye_13, Burr_12, Busephilis_27, CaiB_14, CamL_13, CampRoach_13, Cannibal_13, Carthage_12, Cepens_10, Chaelin_12, Chah_13, Charles1_13, CharlieGBrown_12, CharlottesWeb_12, CheetO_13, Cher_12, Childish_12, Chorkpop_13, ChrisnMich_12, Chunky_13, Chute_12, ClamChowder_22, Clawz_45, ClearAsMud_30, CloverMinnie_14, Clown_24, Cobra_13, Colbert_13, Coletti_12, Cooper_13, Cornobble_12, Cosmolli16_12, Craff_13, Cranjis_29, CrazyRich_27, Crisis_29, Crownjwl_13, D12_10, DaddyDaniels_13, Daffy_13, Daka_13, Danyall_22, Dati_13, DelRivs_12, Derpp_12, Dewdrop_62, Dice_13, DigitDog_14, Dingo_13, Dione_12, DirtJuice_13, Doddsville_13, DoesntMatter_13, DonSanchon_12, DonTron_45, Donny_14, Dori_11, DuchessDung_12, Duggie_12, Durga_13, EastView9101_14, Emiris_13, EmpTee_13, Eremos_13, Etaye_13, Eugenia_13, Evaa_13, Evamon_20, Fang_13, Fireball_21, Fireman_28, FluffyNinja_13, Fortunato_13, Fozzie_12, Frankicide_13,

Frederick_13, Fresco_12, Freya_12, FriarPreacher_13, Fringe_13, FugateOSU_12, Fugax_22, Funsized_18, FuzzBuster_33, Gareth_12, GeneCoco_13, Gezellig_21, Gina_29, Giraffe_13, GodPhather_11, Gophee_13, Grand2040_12, Gwilliam_13, Gyarad_0013, HSavage_13, Haimas_13, Haleema_12, Halo3_21, Hamish_13, Hangman_13, Hartsy_13, Harvey_13, Heath_13, Held_13, Hendrix_59, HenryJackson_12, Hermeonysus_27, Hertubise_13, Hetaeria_13, HighStump_12, Hocus_12, Honeyfin_29, Horchata_13, Hosp_09, Hydro_13, ImtiyazSitla_12, Inchworm_13, Inverness_13, Iridoclysis_13, IsaacEli_13, JAMaL_13, JDog_12, JacAttac_13, JaguarMi_14, JakeO_12, Jambalaya_20, JangoPhett_13, Jayden_29, Jefe_28, Jeon_10, Jillium_12, Jiminy_12, Jiraiya_13, Jolie1_011, Jollipop_28, KLucky39_13, Kahve_12, KaiHaiDragon_28, Kailash_13, Katniss_13, KayaCho_11, Keitherie_13, Kikipoo_13, Kimbrough_13, KimmyK_22, KingTut_12, KingVeVeVe_13, KlimbOn_13, Kloppinator_13, Knocker_18, Kowalski_27, Kwadwo_12, Kwksand96_12, Labeouficaum_12, LasagnaCat_13, Lasso_13, Leaf_62, LeeLot_13, Lego3393_13, Legolas_12, LeiMonet_13, LemonSlice_13, Ligma_12, LilMcDreamy_14, Lilbeanie_19, LittleFortune_29, LittleMunchkin_13, Lolalove_13, Longacauda_12, Lopsy_12, LostAndPhound_12, LuckyMarjie_12, Lulumae_12, Lulwa_13, Lumine_12, MRabcd_12, Mag7_12, Magic8_13, Magpie_13, MakoManhole_14, Mana_12, Manad_12, Mao1_10, Mariokart_12, Maru_12, Mask_11, Maskar_12, Matalotodo_12, Mcshane_12, Mecca_12, Megabear_10, Megamind20_13, Megan_22, Megatron_13, Melc17_13, MelsMeow_12, Mesh1_13, Metamorphoo_28, MichaelPhcott_12, Mikota_13, MiniBoss_13, MitKao_13, Mithril_13, Morgushi_13, Morty_13, Mosaic_12, MossRose_14, MrPhizzler_12, Mudslide_13, Mulan_12, Murdoc_13, Mutante_12, Mutzi_22, Mysterious_14, NHagos_12, Nacho_0013, Nanao_12, Nangang_14, Newman_13, Nicole21_13, Nicole72_23, Nigel_11, Nubi_20, Numberten_13, Nyala_12, OSmaximus_13, Olak_12, Oline_12, Olive_13, OliverWalter_13, Omniscient_13, Onika_27, Oosterbaan_13, Orfeu_12, Orion_13, Orwigg_13, PG1_13, PR_10, Pacifista_14, Paschalis_27, Phamished_13, Phareon_13, PhatCats2014_13, PhatLouie_13, Phelemich_14, PhenghisKhan_12, Pherdinand_13, Phergie_12, Phipps_13, Phleuron_12, Phlop_20, Phorgeous_27, Phrancesco_28, PhrankReynolds_12, PhrodoBaggins_12, Phunky_13, Piglet_0012, PinheadLarry_13, PinkCoffee_22, Pinkman_12, PiperSansNom_28, Piperis_28, Pipsqueak_13, Placalicious_12, Plmatters_13, Podrick_13, Pops_13, Portcullis_20, Poster_12, Potter_12, Prickles_13, Prince_14, ProfessorX_13, Puhltonio_13, Pulchra_29, PullumCavea_20, QueenBeane_13, Quhwah_31, Quisquilliae_13, Ramiel05_27, RawrgerThat_13, RedMaple_12, Reprobate_14, Rich_14, Ricotta_13, Riggan_13, Rimu_12, RobsFeet_29, Robyn_12, RogerDodger_23, Roliet_13, Roscoe_14, Roy17_13, SDcharge11_13, Salvador_20, Samaymay_13, SassyCat97_12, Savannah_27, Savbucketdawg_20, Schadenfreude_12, Schueller_12, Scoot17C_13, Scrick_12, Scumberland_29, Sejanus_11, Selr12_13, Selwyn23_29, Serendipitous_14, Serendipity_13, Serpentine_0013, Shatter_12, Sheila_13, ShiVal_13, Shinji_20, Shotgun_27, Sigman_13, Simielle_12, SirJeffery_14, Sisko_12, Skippy_13, Slatt_13, Smarties_36, SmokingBunny_20, Soile_13, Solosis_12, Soos_41, Sophia_12, Soto_13, Spartan300_13, Squid_13, Squiggle_13, StAugustine_19, Sting_44, Stinger_11, StinkyVeggy_15, Struggle_12, Suffolk_13, Suigeneris_14, Surely_13, Swiphy_13, Swish_13, TPA2_22, TallGrassMM_13, Taptic_10, Teamocil_29, Telesworld_12, Thonko_14, Thora_13, ThreeOh3D2_13, Thunderbird_13, TillyBobJoe_20, Timmi_12, Togo_20, TomBombadil_13, Tomlarah_13, Toni_12, Tonitrus_31, Tooj_13, True_12, Trypo_13, Twister6_22, TyrionL_12, Tyumbra_26, UAch1_13, UncleHowie_13, Usavi_13, Vaishali24_12, Valary_23, Valjean_13, VanDeWege_23, Vaticameos_13, Veritas_12, Vincenzo_14, VioletZ_13, Virapocalypse_13, Virgeve_12, Vista_13, Vivaldi_13, Vortex_13, Waleliano_13,

Wallhey_12, Waterdiva_13, Weher20_13, Windsor_12, Wizard_20, Wooper_14, Xavier_12, Yago84_12, Yoshand_13, YouGoGlencoco_13, YungMoney_22, Zaider_14, Zelda_13, Zemanar_14, Zonia_13,

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

- EarickHC_28, Ganandorf_27, NoodlelyBoi_28, PierreOrion_28, Terij_24, Yeti_28,

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

- APunk_24, Abblin_22, Abinghost_15, Affeca_21, Ailee_21, Akoma_15, Ali17_20, Allegro_16, Altheas_28, AluminumJesus_24, Angelicage_21, Arbiter_16, Ares_16, Ashertheman_22, Athena_16, Audrey_15, BabyDotz_25, Baddon_21, Baloo_15, Bananafish_16, Barsten_22, Baumdotcom_21, Belphegor_19, Ben11_14, Bernardo_15, Bibwit_22, BirdInFrench_25, BirdsNest_18, Bizzy_22, Blab_24, Blocker23_16, BobBob_19, Boyle_16, Brandonk123_23, Briakila_15, Brownie5_16, CRB2_16, Calamitous_16, CandC_24, Casbah_14, Casend_27, ChaChing_15, ChadMasterC_21, Chandler_15, Charming_19, Chickadee_21, Cinna_23, Coffee_16, Compostia_16, Corofin_15, Cressida_25, Daisy_15, Deenasa_15, Delrey21_22, Derg_19, Devonte_15, Dextert_22, DoctorFroggo_22, DonaldDuck_26, EMOore_17, Eaglehorse_16, EdmundFerry_20, Faze9_16, Fitzgerald_19, Fizzles_26, Flatwoods_22, Fosterous_19, Fransoyer_28, Fregley_26, FrenchFry_16, GTE6_21, Gadget_16, Gaea_21, Galadriel_23, Gazebo_25, Geodirt_20, Gervas_15, Glass_16, GlenHope_16, Godines_16, Grassboy_27, Gustavo_21, Halfpint_14, Hans_24, HarveySr_15, Hashim76_18, Heathcliff_15, Hedgerow_16, Holeinone_16, Hyperion_25, Imvubu_10, Indlovu_13, Inspectinfecti_23, ItsyBitsy1_16, JKSyngboy_20, Jabberwocky_19, Jackstina_14, Jehoshaphat_28, Judebell_28, Kaleb_16, Kamashten_22, Kamiyu_15, Keitabear_23, Kelcole_24, Kewpiedoll_22, Kheth_16, Kozie_24, Kronus_14, Kroos_22, Kwekel_21, Kwobi_22, Kyva_28, Lars_16, Laurie_16, Lennon_23, Leonard_22, Lepheur_16, LestyG_15, LilHam_19, LizLemon_16, Llemily_26, Lonelysoil_25, Love_23, Marcie_30, Margaery_23, Marley1013_15, Mashley_24, MasterPo_16, Matzah_24, McKinley_22, MelBins_23, MementoMori_24, MmasiCarm_15, MoontowerMania_20, Mortcellus_14, Morty007_15, Namago_26, Natkenzie_22, Neos5_15, Nike_26, Nordenberg_16, Nozo_15, Obutu_15, OneinaGillian_25, Opia_16, OrangeOswald_15, Paries_22, PenguinLover67_16, Pepe25_24, Phabia_26, Phaedrus_14, Phantasmagoria_16, Phauci_15, Phayeta_15, Philly_14, Phinally_22, Phinky_32, Phlyer_15, Pipefish_15, Quammi_24, Quesadilla_15, Qyrzula_15, RagingRooster_15, Rasputia_58, Rhinoforte_16, Ribeye_22, Rita1961_15, RiverRaider_23, RoadKill_19, RobinRose_27, Rofo_21, RomaT_15, Romm_27, Rosebush_16, Rowlf_22, RubyRalph_28, Rudy_24, Sabella_16, SadLad_30, Saguaro_15, SallyK_27, Sampson_22, Sanjuju_19, Saronaya_21, SchottB_20, Scioto_22, Sedona_23, Shivanishola_21, Sillytadpoles_26, Sitar_23, SlippinJimmy_15, Sour_15, Squash_28, Statler_28, StorminNorm_21, StrawberryJamm_28, Stultus_21, SynergyX_15, TA17A_16, Tangent_19, Tangerine_21, Tardus_23, Teehee_27, Tempo_25, Thing3_22, Tiamoceli_22, Tinciduntolum_17, Tissue_26, Tres_16, Twonlo_19, Tycho_21, Tydolla_15, Verity_22, ViaConlectus_23, Viceroy_25, Vivi2_21, Wayne3_27, West99_16, Wheelie_25, Wilca_25, Yahalom_15, Yinz_15, YorkOnyx_22, Zagie_26, Zenteno07_18, Zhafia_29, Zipp_22, Zitch_24,

Summary by start number:

Start 9:

- Found in 1 of 672 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 593

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sour_15 (DR),

Start 10:

- Found in 2 of 672 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_16 (B9), PenguinLover67_16 (B9),

Start 12:

- Found in 17 of 672 (2.5%) of genes in pham
- Manual Annotations of this start: 14 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ali17_20 (DE2), Belphegor_19 (DE), Chickadee_21 (DE3), Dexdert_22 (DE3), EMOore_17 (DE2), EdmundFerry_20 (DE3), GTE6_21 (DE3), Hans_24 (DE2), Inspectinfecti_23 (DE2), Kwekel_21 (DE3), Leonard_22 (DE2), MelBins_23 (DE2), Phauci_15 (DE2), Phinally_22 (DE2), RoadKill_19 (DE3), Tiamoceli_22 (DE3), Twonlo_19 (DE3),

Start 13:

- Found in 35 of 672 (5.2%) of genes in pham
- Manual Annotations of this start: 33 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Allegro_16 (B2), Arbiter_16 (B2), Ares_16 (B2), Bananafish_16 (B2), Blocker23_16 (B2), Boyle_16 (B2), Brownie5_16 (B2), Calamitous_16 (B2), Coffee_16 (B2), Eaglehorse_16 (B2), Faze9_16 (B2), FrenchFry_16 (B2), Glass_16 (B2), Godines_16 (B2), Hedgerow_16 (B2), Holeinone_16 (B2), ItsyBitsy1_16 (B2), Kaleb_16 (B2), Kheth_16 (B2), Lars_16 (B2), Laurie_16 (B2), Lephleur_16 (B2), LizLemon_16 (B2), MasterPo_16 (B2), Opia_16 (B2), Phantasmagoria_16 (B2), Quesadilla_15 (B9), Qyrzula_15 (B2), Rhinoforte_16 (B2), Rosebush_16 (B2), Sabella_16 (B2), TA17A_16 (B2), Tinciduntolum_17 (B2), Tres_16 (B2), West99_16 (B2),

Start 15:

- Found in 53 of 672 (7.9%) of genes in pham
- Manual Annotations of this start: 44 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_21 (DE1), Ailee_21 (DE1), Angelicage_21 (DE1), Ashertheman_22 (DE1), Baddon_21 (DE1), Barsten_22 (DE1), Baumdotcom_21 (DE1), Bibwit_22 (DE1), Bizzy_22 (DE1), BobBob_19 (DE1), Brandonk123_23 (DE1), ChadMasterC_21 (DE1), Charming_19 (DE1), Derg_19 (DE1), Fitzgerald_19 (DE1), Flatwoods_22 (DE1), Fosterous_19 (DE1), Gaea_21 (DE1), Galadriel_23 (DE1), Geodirt_20 (DE1), Gustavo_21 (DE1), JKSyngboy_20 (DE1), Jabberwocky_19 (DE1), Kamashten_22 (DE1), Keitabear_23 (DE1), Kewpiedoll_22 (DE1), Kroos_22 (DE1), Kwobi_22 (DE1), Lennon_23 (DE1), LilHam_19 (DE1), Love_23 (DE1), McKinley_22 (DE1), MoontowerMania_20 (DE1), Nordenberg_16 (DE1), Paries_22 (DE1), Ribeye_22 (DE1), RiverRaider_23 (DE1), Rofo_21 (DE1), Saguaro_15 (B7), Sanjuju_19 (DE1), Saronaya_21 (DE1), SchottB_20 (DE1), Sedona_23 (DE1), Shivanishola_21 (DE1), Sitar_23 (DE1), StorminNorm_21 (DE1), Stultus_21 (DE1), Tangent_19 (DE1), Tangerine_21 (DE1), Thing3_22 (DE1), Tycho_21 (DE1), Vivi2_21 (DE1), YorkOnyx_22 (DE1),

Start 19:

- Found in 46 of 672 (6.8%) of genes in pham
- Manual Annotations of this start: 1 of 593
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Rasputia_58 (GC),

Start 20:

- Found in 47 of 672 (7.0%) of genes in pham
- Manual Annotations of this start: 44 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_15 (B3), Akoma_15 (B3), Athena_16 (B3), Audrey_15 (B3), Baloo_15 (B3), Ben11_14 (B3), Bernardo_15 (B3), Briakila_15 (B3), Casbah_14 (B3), ChaChing_15 (B3), Chandler_15 (B3), Compostia_16 (B3), Corofin_15 (B3), Daisy_15 (B3), Deenasa_15 (B3), Devonte_15 (B3), Gadget_16 (B3), Gervas_15 (B3), GlenHope_16 (B3), Halfpint_14 (B3), HarveySr_15 (B3), Heathcliff_15 (B3), Jackstina_14 (B3), Kamiyu_15 (B3), Kronus_14 (B3), LestyG_15 (B3), Marley1013_15 (B3), MmasiCarm_15 (B3), Mortcellus_14 (B3), Morty007_15 (B3), Neos5_15 (B3), Nozo_15 (B3), Obutu_15 (B3), OrangeOswald_15 (B3), Phaedrus_14 (B3), Phayeta_15 (B3), Philly_14 (B3), Phlyer_15 (B3), Pipefish_15 (B3), RagingRooster_15 (B3), Rita1961_15 (B3), RomaT_15 (B3), SlippinJimmy_15 (B3), SynergyX_15 (B3), Tydolla_15 (B3), Yahalom_15 (B3), Yinz_15 (B3),

Start 21:

- Found in 12 of 672 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_24 (DE4), Abblin_22 (DE4), Delrey21_22 (DE4), DoctorFroggo_22 (DE4), Natkenzie_22 (DE4), Sampson_22 (DE4), Scioto_22 (DE4), Tardus_23 (DE4), Verity_22 (DE4), ViaConlectus_23 (DE4), Zipp_22 (DE4), Zitch_24 (DE4),

Start 22:

- Found in 444 of 672 (66.1%) of genes in pham
- Manual Annotations of this start: 393 of 593
- Called 98.6% of time when present
- Phage (with cluster) where this start called: 39HC_011 (B6), 40BC_011 (B6), ABU_13 (B1), AbsoluteMadLad_12 (B1), Acadian_14 (B5), Adriana_13 (B1), Aelin_12 (B1), Ahwei_12 (B4), AlanGrant_14 (B4), AltPhacts_13 (B1), Altwerkus_12 (B1), AnClar_12 (DR), AnarQue_14 (DR), Anderson_13 (B1), Andre_13 (B1), Antares_28 (EC), Antonia_12 (B1), Apex_13 (B4), Apizium_12 (B1), Argie_11 (W), Ariadne_36 (EC), Arri_23 (DC1), Ashraf_12 (B1), Austelle_14 (B4), Axumite_12 (DR), Badfish_13 (B1), Bae_14 (B5), Bakery_21 (DC1), Banjo_12 (B1), Barb_22 (DC1), Basato_14 (B1), BatteryCK_12 (B1), Beaglebox_12 (B1), BiggityBass_11 (DR), Bishoperium_12 (B1), BlackStallion_13 (B1), BlueHusk_13 (B1), Bluephacebaby_12 (B1), BobbyK_13 (B4), Boehler_13 (B1), BrazzalePHS_27 (EC), Brilliant_13 (B1), BrownCNA_14 (B4), Buckeye_13 (B1), Burr_12 (B1), Busephilis_27 (EC), CaiB_14 (DR), CamL_13 (B1), CampRoach_13 (B1), Cannibal_13 (B1), Carthage_12 (B1), Cepens_10 (W), Chaelin_12 (B1), Chah_13 (B1), Charles1_13 (B1), CharlieGBrown_12 (B1), CharlottesWeb_12 (DR), CheetO_13 (B1), Cher_12 (B1), Childish_12 (B1), Chorkpop_13 (B1), ChrisnMich_12 (B4), Chunky_13 (B1), Chute_12 (B1), ClamChowder_22 (DC1), Clawz_45 (CP), ClearAsMud_30 (EC), CloverMinnie_14 (DR), Clown_24 (DC2), Cobra_13 (B1), Colbert_13 (B1), Coletti_12

(B1), Cooper_13 (B4), Cornobble_12 (B1), Cosmolli16_12 (B1), Craff_13 (B1), Cranjis_29 (EC), CrazyRich_27 (EC), Crisis_29 (EC), Crownjwl_13 (B1), D12_10 (W), DaddyDaniels_13 (B1), Daffy_13 (B1), Daka_13 (B1), Danyall_22 (DC1), Dati_13 (B1), DelRivs_12 (B1), Derpp_12 (B1), Dewdrop_62 (GC), Dice_13 (B1), DigitDog_14 (B5), Dingo_13 (B1), Dione_12 (B1), DirtJuice_13 (B1), Doddsville_13 (B1), DoesntMatter_13 (B1), DonSanchon_12 (B1), DonTron_45 (CP), Donny_14 (B5), Dori_11 (AD), DuchessDung_12 (B1), Duggie_12 (B1), Durga_13 (B1), EastView9101_14 (B5), Emiris_13 (B1), EmpTee_13 (B1), Eremos_13 (B1), Etaye_13 (B1), Eugenia_13 (B1), Evaa_13 (DR), Evamon_20 (DC1), Fang_13 (B1), Fireball_21 (DC1), Fireman_28 (EC), FluffyNinja_13 (B1), Fortunato_13 (B4), Fozzie_12 (B1), Frankicide_13 (B1), Frederick_13 (B4), Fresco_12 (DR), Freya_12 (B1), FriarPreacher_13 (B1), Fringe_13 (B1), FugateOSU_12 (B1), Fugax_22 (DC1), Funsized_18 (B9), FuzzBuster_33 (singleton), Gareth_12 (B1), GeneCoco_13 (B1), Gezellig_21 (DC1), Gina_29 (EC), Giraffe_13 (B1), GodPhather_11 (W), Gophee_13 (B1), Grand2040_12 (B1), Gwilliam_13 (B1), Gyarad_0013 (B1), HSavage_13 (B1), Haimas_13 (B1), Haleema_12 (B1), Halo3_21 (DC1), Hamish_13 (B1), Hangman_13 (B4), Hartsy_13 (B1), Harvey_13 (B1), Heath_13 (B4), Held_13 (B1), Hendrix_59 (GC), HenryJackson_12 (B1), Hermeonysus_27 (EC), Hertubise_13 (B1), Hetaeria_13 (B1), HighStump_12 (B1), Hocus_12 (B1), Honeyfin_29 (EC), Horchata_13 (B1), Hosp_09 (B6), Hydro_13 (B4), ImtiyazSitla_12 (B1), Inchworm_13 (B1), Inverness_13 (B1), Iridoclysis_13 (B1), IsaacEli_13 (B1), JAMaL_13 (B4), JDog_12 (B1), JacAttac_13 (B1), JaguarMi_14 (B4), JakeO_12 (B1), Jambalaya_20 (DC1), JangoPhett_13 (B1), Jayden_29 (EC), Jefe_28 (EC), Jeon_10 (W), Jillium_12 (B1), Jiminy_12 (B1), Jiraiya_13 (B1), Jolie1_011 (B6), Jollipop_28 (EC), KLucky39_13 (B1), Kahve_12 (B1), KaiHaiDragon_28 (EC), Kailash_13 (B1), Katniss_13 (B1), KayaCho_11 (B6), Keitherie_13 (B1), Kikipoo_13 (B1), Kimbrough_13 (B1), KimmyK_22 (DC1), KingTut_12 (B1), KingVeVeVe_13 (B1), KlimbOn_13 (B1), Kloppinator_13 (B1), Knocker_18 (B9), Kowalski_27 (EC), Kwadwo_12 (B1), Kwksand96_12 (B1), Labeouficaum_12 (B1), LasagnaCat_13 (B1), Lasso_13 (B1), Leaf_62 (GC), LeeLot_13 (B1), Lego3393_13 (B1), Legolas_12 (B1), LeiMonet_13 (B1), LemonSlice_13 (B1), Ligma_12 (DR), LiiMcDreamy_14 (B12), Lilbeanie_19 (DE5), LittleFortune_29 (EC), LittleMunchkin_13 (DR), Lolalove_13 (B4), Longacauda_12 (B1), Lopsy_12 (B1), LostAndPhound_12 (B1), LuckyMarjie_12 (B1), Lulumae_12 (B1), Lulwa_13 (B1), Lumine_12 (B1), MRabcd_12 (B1), Mag7_12 (B1), Magic8_13 (B1), Magpie_13 (B4), MakoManhole_14 (DR), Mana_12 (B1), Manad_12 (B1), Mao1_10 (AD), Mariokart_12 (DR), Maru_12 (B1), Mask_11 (AD), Maskar_12 (B1), Matalotodo_12 (B1), Mcshane_12 (B1), Mecca_12 (B1), Megabear_10 (W), Megamind20_13 (B1), Megan_22 (EC), Megatron_13 (B1), Melc17_13 (B1), MelsMeow_12 (B1), Mesh1_13 (B1), Metamorphoo_28 (EC), MichaelPhcott_12 (B1), Mikota_13 (B1), MiniBoss_13 (B1), MitKao_13 (B1), Mithril_13 (B4), Morgushi_13 (B1), Morty_13 (B1), Mosaic_12 (B1), MossRose_14 (DR), MrPhizzler_12 (B1), Mudslide_13 (B4), Mulan_12 (B1), Murdoc_13 (B1), Mutante_12 (B1), Mutzi_22 (DC1), Mysterious_14 (B5), NHagos_12 (DR), Nacho_0013 (B1), Nanao_12 (B4), Nangang_14 (B5), Newman_13 (B1), Nicole21_13 (B1), Nicole72_23 (EC), Nigel_11 (B4), Nubi_20 (DC1), Numberten_13 (B1), Nyala_12 (B1), OSmaximus_13 (B1), Olak_12 (B1), Oline_12 (B1), Olive_13 (B1), OliverWalter_13 (B1), Omniscient_13 (B1), Onika_27 (EC), Oosterbaan_13 (B1), Orfeu_12 (B1), Orion_13 (B1), Orwigg_13 (B1), PG1_13 (B1), PR_10 (W), Pacifista_14 (B1), Paschalis_27 (EC), Phamished_13 (B1), Phareon_13 (B1), PhatCats2014_13 (B1), PhatLouie_13 (B1), Phelemich_14 (B5), PhenghisKhan_12 (B1), Pherdinand_13 (B1), Phergie_12 (B1), Phipps_13 (B1), Phleuron_12 (B1), Phlop_20 (DC1), Phorgeous_27 (EC), Phrancesco_28 (EC), PhrankReynolds_12 (B1), PhrodoBaggins_12 (B1), Phunky_13 (B1), Piglet_0012 (B1), PinheadLarry_13

(B1), PinkCoffee_22 (DC1), Pinkman_12 (B1), PiperSansNom_28 (EC), Piperis_28 (EC), Pipsqueak_13 (B1), Placalicious_12 (B1), Plmatters_13 (B1), Podrick_13 (B1), Pops_13 (B1), Portcullis_20 (DC1), Poster_12 (B4), Potter_12 (B1), Prickles_13 (B1), Prince_14 (B4), ProfessorX_13 (B1), Puhltonio_13 (B1), Pulchra_29 (EC), PullumCavea_20 (DC1), QueenBeane_13 (B1), Quhwah_31 (EC), Quisquiliae_13 (B1), Ramiel05_27 (EC), RawrgerThat_13 (B4), RedMaple_12 (B1), Reprobate_14 (B5), Rich_14 (B5), Ricotta_13 (B1), Riggan_13 (B1), Rimu_12 (B1), RobsFeet_29 (EC), Robyn_12 (B1), RogerDodger_23 (DC1), Roliet_13 (B1), Roscoe_14 (B1), Roy17_13 (B1), SDcharge11_13 (B1), Salvador_20 (DC1), Samaymay_13 (B1), SassyCat97_12 (B1), Savannah_27 (EC), Savbucketdawg_20 (DC1), Schadenfreude_12 (B1), Schueller_12 (B1), Scoot17C_13 (B1), Scrick_12 (B1), Scumberland_29 (EC), Sejanus_11 (AD), Selr12_13 (B1), Selwyn23_29 (EC), Serendipitous_14 (B5), Serendipity_13 (B1), Serpentine_0013 (B1), Shatter_12 (DR), Sheila_13 (B1), ShiVal_13 (B1), Shinji_20 (DC1), Shotgun_27 (EC), Sigman_13 (B1), Simielle_12 (B1), SirJeffery_14 (B5), Sisko_12 (DR), Skippy_13 (B1), Slatt_13 (B1), Smarties_36 (EC), SmokingBunny_20 (DC1), Soile_13 (B1), Solosis_12 (B1), Soos_41 (CP), Sophia_12 (B1), Soto_13 (B1), Spartan300_13 (B1), Squid_13 (B1), Squiggle_13 (B1), StAugustine_19 (singleton), Sting_44 (CP), Stinger_11 (B4), StinkyVeggy_15 (B5), Struggle_12 (B1), Suffolk_13 (B1), Suigeneris_14 (B5), Surely_13 (B1), Swiphy_13 (B1), Swish_13 (B1), TPA2_22 (singleton), TallGrassMM_13 (B1), Taptic_10 (W), Teamocil_29 (EC), Telesworld_12 (B1), Thonko_14 (B8), Thora_13 (B1), ThreeOh3D2_13 (B1), Thunderbird_13 (B1), TillyBobJoe_20 (DC1), Timmi_12 (B1), Togo_20 (DC1), TomBombadil_13 (B1), Tomlarah_13 (B1), Toni_12 (B1), Tonitrus_31 (singleton), Tooj_13 (B1), True_12 (B1), Trypo_13 (B1), Twister6_22 (DC1), TyrionL_12 (B1), Tyrumbra_26 (EC), UAch1_13 (B1), UncleHowie_13 (B1), Usavi_13 (B1), Vaishali24_12 (B1), Valary_23 (DC1), Valjean_13 (B1), VanDeWege_23 (DC1), Vaticameos_13 (B1), Veritas_12 (B1), Vincenzo_14 (B4), VioletZ_13 (B4), Virapocalypse_13 (B1), Virgeve_12 (B1), Vista_13 (B1), Vivaldi_13 (B1), Vortex_13 (B1), Waleliano_13 (B4), Wallhey_12 (B1), Waterdiva_13 (B1), Weher20_13 (B1), Windsor_12 (B1), Wizard_20 (DC1), Wooper_14 (DR), Xavier_12 (B1), Yago84_12 (DR), Yoshand_13 (B1), YouGoGlencoco_13 (B1), YungMoney_22 (DC1), Zaider_14 (B1), Zelda_13 (B1), Zemanar_14 (B4), Zonia_13 (B1),

Start 23:

- Found in 6 of 672 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 593
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Kozie_24 (EI),

Start 25:

- Found in 50 of 672 (7.4%) of genes in pham
- Manual Annotations of this start: 39 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_28 (EG), AluminumJesus_24 (EG), BabyDotz_25 (EG), BirdInFrench_25 (EG), Blab_24 (EG), CandC_24 (EG), Casend_27 (EG), DonaldDuck_26 (EG), Fizzles_26 (EG), Fransoyer_28 (EG), Fregley_26 (EG), Gazebo_25 (EG), Grassboy_27 (EG), Hyperion_25 (EG), Imvubu_10 (B10), Jehoshaphat_28 (EG), Judebell_28 (EG), Kelcole_24 (EG), Kyva_28 (EG), Llemily_26 (EG), Lonelysoil_25 (EG), Marcie_30 (EG), Mashley_24 (EG), Namago_26 (EG), Nike_26 (EG), OneinaGillian_25 (EG), Pepe25_24 (EG), Phabia_26 (EG), Phinky_32 (EG), Quammi_24 (EG), RobinRose_27 (EG), Romm_27 (EG), Rowlf_22 (EG), RubyRalph_28 (EG), Rudy_24 (EG), SadLad_30 (EG),

SallyK_27 (EG), Sillytadpoles_26 (EG), Squash_28 (EG), Statler_28 (EG), StrawberryJamm_28 (EG), Teehee_27 (EG), Tempo_25 (EG), Tissue_26 (EG), Viceroy_25 (EG), Wayne3_27 (EG), Wheelie_25 (EG), Wilca_25 (EG), Zagie_26 (EG), Zhafia_29 (EG),

Start 26:

- Found in 1 of 672 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 593
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_13 (B11),

Start 27:

- Found in 4 of 672 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 593
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_18 (B13), Zenteno07_18 (B13),

Start 33:

- Found in 316 of 672 (47.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Hashim76_18 (B13),

Start 49:

- Found in 33 of 672 (4.9%) of genes in pham
- Manual Annotations of this start: 6 of 593
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Cinna_23 (EI), Cressida_25 (EI), Margaery_23 (EI), Matzah_24 (EI), MementoMori_24 (EI), Terij_24 (EI),

Start 61:

- Found in 45 of 672 (6.7%) of genes in pham
- Manual Annotations of this start: 2 of 593
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Ganandorf_27 (EC), NoodlelyBoi_28 (EC), PierreOrion_28 (EC),

Start 80:

- Found in 41 of 672 (6.1%) of genes in pham
- Manual Annotations of this start: 1 of 593
- Called 4.9% of time when present
- Phage (with cluster) where this start called: EarickHC_28 (EC), Yeti_28 (EC),

Summary by clusters:

There are 30 clusters represented in this pham: singleton, DE, B12, B13, B10, B11, DR, EI, AD, EG, EC, GC, W, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 22 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 22 was manually annotated 253 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 25 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 26 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 22 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 27 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 13 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 20 was manually annotated 44 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 22 was manually annotated 23 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 22 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 22 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 15 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 22 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 10 was manually annotated 2 times for cluster B9.
- Start number 13 was manually annotated 1 time for cluster B9.
- Start number 22 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster CP:

- Start number 22 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 22 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 22 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 15 was manually annotated 43 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 12 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 12 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 21 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 22 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:

- Start number 9 was manually annotated 1 time for cluster DR.
- Start number 22 was manually annotated 17 times for cluster DR.

Info for manual annotations of cluster EC:

- Start number 22 was manually annotated 38 times for cluster EC.
- Start number 61 was manually annotated 2 times for cluster EC.
- Start number 80 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EG:

- Start number 25 was manually annotated 38 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 23 was manually annotated 1 time for cluster EI.
- Start number 49 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster GC:

- Start number 19 was manually annotated 1 time for cluster GC.
- Start number 22 was manually annotated 3 times for cluster GC.

Info for manual annotations of cluster W:

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

Gene Information:

Gene: 39HC_011 Start: 11832, Stop: 12599, Start Num: 22

Candidate Starts for 39HC_011:

(Start: 22 @11832 has 393 MA's), (33, 11853), (97, 12093), (116, 12168), (136, 12249), (184, 12408), (187, 12426), (206, 12504), (212, 12534),

Gene: 40BC_011 Start: 11832, Stop: 12599, Start Num: 22

Candidate Starts for 40BC_011:

(Start: 22 @11832 has 393 MA's), (33, 11853), (97, 12093), (116, 12168), (136, 12249), (184, 12408), (187, 12426), (206, 12504), (212, 12534),

Gene: ABU_13 Start: 11600, Stop: 12397, Start Num: 22

Candidate Starts for ABU_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: APunk_24 Start: 18327, Stop: 19151, Start Num: 21

Candidate Starts for APunk_24:

(17, 18318), (Start: 21 @18327 has 9 MA's), (Start: 49 @18399 has 6 MA's), (67, 18465), (99, 18582), (114, 18639), (129, 18711), (133, 18732), (153, 18813), (157, 18834), (169, 18864), (178, 18885), (184, 18912), (195, 18993), (197, 18999), (202, 19020), (209, 19065), (212, 19077), (218, 19101),

Gene: Abblin_22 Start: 17540, Stop: 18364, Start Num: 21

Candidate Starts for Abblin_22:

(Start: 21 @17540 has 9 MA's), (Start: 49 @17612 has 6 MA's), (67, 17678), (89, 17753), (99, 17795), (114, 17852), (129, 17924), (133, 17945), (138, 17966), (153, 18026), (157, 18047), (165, 18068), (169, 18077), (178, 18098), (184, 18125), (189, 18182), (195, 18206), (197, 18212), (202, 18233), (212, 18290), (218, 18314),

Gene: Abinghost_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for Abinghost_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215, 13875), (216, 13878),

Gene: AbsoluteMadLad_12 Start: 11598, Stop: 12401, Start Num: 22

Candidate Starts for AbsoluteMadLad_12:

(Start: 22 @11598 has 393 MA's), (33, 11619), (37, 11631), (40, 11643), (83, 11805), (99, 11874), (111, 11922), (127, 11994), (140, 12039), (144, 12063), (158, 12114), (182, 12168), (192, 12225), (203, 12264),

Gene: Acadian_14 Start: 13349, Stop: 14155, Start Num: 22

Candidate Starts for Acadian_14:

(Start: 22 @13349 has 393 MA's), (34, 13364), (42, 13391), (54, 13439), (118, 13724), (127, 13766), (131, 13784), (137, 13802), (142, 13829), (146, 13841), (164, 13901), (184, 13958), (187, 13976), (192, 14000), (204, 14042), (211, 14078),

Gene: Adriana_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Adriana_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Aelin_12 Start: 11149, Stop: 11952, Start Num: 22

Candidate Starts for Aelin_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (83, 11356), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: Affeca_21 Start: 17356, Stop: 18186, Start Num: 15

Candidate Starts for Affeca_21:

(Start: 15 @17356 has 44 MA's), (18, 17365), (59, 17470), (86, 17560), (99, 17614), (104, 17638), (120, 17701), (129, 17749), (169, 17905), (184, 17953), (189, 18010), (195, 18034), (197, 18040), (210, 18109), (213, 18121), (217, 18139), (220, 18154),

Gene: Ahwei_12 Start: 12252, Stop: 13046, Start Num: 22

Candidate Starts for Ahwei_12:

(Start: 22 @12252 has 393 MA's), (33, 12273), (36, 12282), (50, 12339), (62, 12384), (97, 12522), (111, 12576), (116, 12597), (121, 12618), (123, 12624), (141, 12711), (152, 12753), (184, 12849), (187, 12867), (192, 12891), (204, 12933), (212, 12975), (225, 13023),

Gene: Ailee_21 Start: 17270, Stop: 18100, Start Num: 15

Candidate Starts for Ailee_21:

(Start: 15 @17270 has 44 MA's), (18, 17279), (59, 17384), (71, 17432), (86, 17474), (93, 17498), (104, 17552), (120, 17615), (129, 17663), (135, 17690), (169, 17819), (184, 17867), (189, 17924), (195, 17948), (197, 17954), (210, 18023), (213, 18035), (217, 18053), (220, 18068),

Gene: Akoma_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for Akoma_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215, 13875), (216, 13878),

Gene: AlanGrant_14 Start: 14119, Stop: 14907, Start Num: 22

Candidate Starts for AlanGrant_14:

(Start: 22 @14119 has 393 MA's), (36, 14140), (37, 14143), (40, 14155), (98, 14386), (99, 14389), (116, 14458), (121, 14479), (127, 14509), (146, 14593), (158, 14641), (192, 14752), (204, 14794), (212, 14836), (225, 14884),

Gene: Ali17_20 Start: 16677, Stop: 17507, Start Num: 12

Candidate Starts for Ali17_20:

(Start: 12 @16677 has 14 MA's), (14, 16683), (31, 16710), (32, 16716), (Start: 49 @16770 has 6 MA's), (99, 16941), (100, 16953), (120, 17028), (129, 17076), (153, 17178), (172, 17232), (182, 17262), (184, 17277), (189, 17334), (213, 17445),

Gene: Allegro_16 Start: 14535, Stop: 15353, Start Num: 13

Candidate Starts for Allegro_16:

(Start: 13 @14535 has 33 MA's), (62, 14679), (83, 14760), (96, 14814), (97, 14820), (112, 14880), (122, 14919), (129, 14958), (141, 14997), (170, 15093), (184, 15141), (192, 15183), (202, 15219), (216, 15285),

Gene: AltPhacts_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for AltPhacts_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Altheas_28 Start: 16384, Stop: 17130, Start Num: 25

Candidate Starts for Altheas_28:

(Start: 19 @16375 has 1 MA's), (Start: 25 @16384 has 39 MA's), (109, 16660), (122, 16714), (126, 16735), (138, 16777), (141, 16789), (142, 16798), (155, 16846), (188, 16966), (193, 16990), (194, 16993),

Gene: Altwerkus_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Altwerkus_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: AluminumJesus_24 Start: 15744, Stop: 16478, Start Num: 25

Candidate Starts for AluminumJesus_24:

(Start: 19 @15735 has 1 MA's), (Start: 25 @15744 has 39 MA's), (48, 15804), (100, 15996), (142, 16158), (149, 16185), (155, 16206), (161, 16227), (174, 16254), (175, 16257), (183, 16293), (188, 16326), (194, 16353),

Gene: AnClar_12 Start: 12460, Stop: 13242, Start Num: 22

Candidate Starts for AnClar_12:

(Start: 22 @12460 has 393 MA's), (37, 12499), (51, 12553), (112, 12793), (118, 12817), (142, 12919), (187, 13072), (195, 13111), (216, 13198),

Gene: AnarQue_14 Start: 13126, Stop: 13899, Start Num: 22

Candidate Starts for AnarQue_14:

(Start: 22 @13126 has 393 MA's), (62, 13258), (123, 13489), (139, 13555), (141, 13564), (184, 13708), (212, 13834), (215, 13849),

Gene: Anderson_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Anderson_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Andre_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Andre_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Angelicage_21 Start: 17779, Stop: 18609, Start Num: 15

Candidate Starts for Angelicage_21:

(Start: 15 @17779 has 44 MA's), (18, 17788), (59, 17893), (86, 17983), (99, 18037), (104, 18061), (120, 18124), (129, 18172), (169, 18328), (184, 18376), (189, 18433), (195, 18457), (197, 18463), (210, 18532), (213, 18544), (217, 18562), (220, 18577),

Gene: Antares_28 Start: 15892, Stop: 16722, Start Num: 22

Candidate Starts for Antares_28:

(Start: 22 @15892 has 393 MA's), (Start: 61 @16003 has 2 MA's), (Start: 80 @16075 has 1 MA's), (99, 16135), (129, 16285), (135, 16312), (140, 16336), (142, 16351), (153, 16390), (155, 16399), (157, 16411), (210, 16633), (224, 16687),

Gene: Antonia_12 Start: 11149, Stop: 11952, Start Num: 22

Candidate Starts for Antonia_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (83, 11356), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: Apex_13 Start: 13527, Stop: 14321, Start Num: 22

Candidate Starts for Apex_13:

(Start: 22 @13527 has 393 MA's), (33, 13548), (62, 13659), (97, 13797), (111, 13851), (116, 13872), (121, 13893), (123, 13899), (141, 13986), (152, 14028), (184, 14124), (185, 14127), (192, 14166), (204, 14208), (212, 14250), (225, 14298),

Gene: Apizium_12 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Apizium_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Arbiter_16 Start: 14622, Stop: 15440, Start Num: 13

Candidate Starts for Arbiter_16:

(Start: 13 @14622 has 33 MA's), (62, 14766), (83, 14847), (96, 14901), (97, 14907), (112, 14967), (122, 15006), (129, 15045), (141, 15084), (170, 15180), (184, 15228), (192, 15270), (202, 15306), (216, 15372),

Gene: Ares_16 Start: 14535, Stop: 15353, Start Num: 13

Candidate Starts for Ares_16:

(Start: 13 @14535 has 33 MA's), (62, 14679), (83, 14760), (96, 14814), (97, 14820), (112, 14880), (122, 14919), (129, 14958), (141, 14997), (170, 15093), (184, 15141), (192, 15183), (202, 15219), (216, 15285),

Gene: Argie_11 Start: 12991, Stop: 13767, Start Num: 22

Candidate Starts for Argie_11:

(Start: 22 @12991 has 393 MA's), (37, 13012), (38, 13015), (43, 13033), (51, 13066), (63, 13120), (65, 13126), (75, 13159), (111, 13306), (117, 13330), (118, 13336), (139, 13420), (161, 13504), (177, 13546), (202, 13651), (205, 13657), (216, 13717),

Gene: Ariadne_36 Start: 17634, Stop: 18449, Start Num: 22

Candidate Starts for Ariadne_36:

(Start: 22 @17634 has 393 MA's), (60, 17736), (Start: 61 @17745 has 2 MA's), (63, 17754), (99, 17877), (132, 18051), (155, 18144), (200, 18300), (210, 18354), (225, 18411), (229, 18435),

Gene: Arri_23 Start: 14513, Stop: 15325, Start Num: 22

Candidate Starts for Arri_23:

(Start: 22 @14513 has 393 MA's), (53, 14594), (96, 14744), (129, 14891), (137, 14927), (167, 15041), (226, 15311),

Gene: Ashertheman_22 Start: 16864, Stop: 17691, Start Num: 15

Candidate Starts for Ashertheman_22:

(6, 16819), (7, 16825), (Start: 15 @16864 has 44 MA's), (18, 16873), (59, 16975), (86, 17065), (93, 17089), (120, 17206), (129, 17254), (140, 17305), (169, 17410), (176, 17428), (184, 17458), (186, 17479), (189, 17515), (197, 17545), (213, 17626), (217, 17644), (220, 17659),

Gene: Ashraf_12 Start: 11149, Stop: 11946, Start Num: 22

Candidate Starts for Ashraf_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: Athena_16 Start: 13903, Stop: 14712, Start Num: 20

Candidate Starts for Athena_16:

(Start: 20 @13903 has 44 MA's), (46, 13966), (62, 14029), (87, 14125), (97, 14173), (99, 14179), (111, 14227), (127, 14299), (134, 14329), (141, 14350), (156, 14410), (163, 14431), (184, 14497), (215, 14638), (216, 14641),

Gene: Audrey_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for Audrey_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215,

13875), (216, 13878),

Gene: Austelle_14 Start: 13980, Stop: 14774, Start Num: 22

Candidate Starts for Austelle_14:

(Start: 22 @13980 has 393 MA's), (33, 14001), (37, 14013), (62, 14112), (97, 14250), (111, 14304), (116, 14325), (121, 14346), (123, 14352), (127, 14376), (141, 14439), (152, 14481), (184, 14577), (192, 14619), (204, 14661), (212, 14703), (225, 14751),

Gene: Axumite_12 Start: 11636, Stop: 12418, Start Num: 22

Candidate Starts for Axumite_12:

(Start: 22 @11636 has 393 MA's), (30, 11648), (51, 11726), (192, 12272), (195, 12287), (202, 12308), (211, 12350), (212, 12356), (222, 12395),

Gene: BabyDotz_25 Start: 16013, Stop: 16747, Start Num: 25

Candidate Starts for BabyDotz_25:

(Start: 19 @16004 has 1 MA's), (Start: 25 @16013 has 39 MA's), (48, 16073), (74, 16166), (100, 16265), (142, 16427), (155, 16475), (161, 16496), (188, 16595), (194, 16622),

Gene: Baddon_21 Start: 17711, Stop: 18538, Start Num: 15

Candidate Starts for Baddon_21:

(Start: 15 @17711 has 44 MA's), (18, 17720), (59, 17822), (86, 17912), (93, 17936), (120, 18053), (129, 18101), (140, 18152), (153, 18206), (169, 18257), (176, 18275), (184, 18305), (186, 18326), (189, 18362), (197, 18392), (213, 18473), (214, 18476), (217, 18491), (220, 18506),

Gene: Badfish_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Badfish_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Bae_14 Start: 13351, Stop: 14157, Start Num: 22

Candidate Starts for Bae_14:

(Start: 22 @13351 has 393 MA's), (34, 13366), (42, 13393), (47, 13417), (54, 13441), (98, 13645), (99, 13648), (118, 13726), (125, 13756), (127, 13768), (142, 13831), (146, 13843), (184, 13960), (192, 14002), (204, 14044), (211, 14080),

Gene: Bakery_21 Start: 13726, Stop: 14538, Start Num: 22

Candidate Starts for Bakery_21:

(Start: 22 @13726 has 393 MA's), (53, 13807), (96, 13957), (125, 14077), (129, 14104), (167, 14254), (195, 14386), (226, 14524),

Gene: Baloo_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for Baloo_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215, 13875), (216, 13878),

Gene: Bananafish_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Bananafish_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: Banjo_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Banjo_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Barb_22 Start: 14500, Stop: 15312, Start Num: 22

Candidate Starts for Barb_22:

(Start: 22 @14500 has 393 MA's), (53, 14581), (96, 14731), (129, 14878), (137, 14914), (167, 15028), (226, 15298),

Gene: Barsten_22 Start: 17286, Stop: 18116, Start Num: 15

Candidate Starts for Barsten_22:

(Start: 15 @17286 has 44 MA's), (18, 17295), (59, 17400), (86, 17490), (93, 17514), (99, 17544), (104, 17568), (120, 17631), (129, 17679), (135, 17706), (169, 17835), (184, 17883), (189, 17940), (195, 17964), (197, 17970), (210, 18039), (213, 18051), (217, 18069), (220, 18084),

Gene: Basato_14 Start: 11836, Stop: 12639, Start Num: 22

Candidate Starts for Basato_14:

(Start: 22 @11836 has 393 MA's), (33, 11857), (37, 11869), (40, 11881), (83, 12043), (99, 12112), (111, 12160), (127, 12232), (140, 12277), (144, 12301), (158, 12352), (182, 12406), (192, 12463), (203, 12502),

Gene: BatteryCK_12 Start: 11155, Stop: 11952, Start Num: 22

Candidate Starts for BatteryCK_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: Baumdotcom_21 Start: 16480, Stop: 17307, Start Num: 15

Candidate Starts for Baumdotcom_21:

(Start: 15 @16480 has 44 MA's), (18, 16489), (59, 16591), (86, 16681), (120, 16822), (129, 16870), (140, 16921), (153, 16975), (169, 17026), (176, 17044), (184, 17074), (186, 17095), (189, 17131), (197, 17161), (213, 17242), (217, 17260), (220, 17275),

Gene: Beaglebox_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Beaglebox_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Belphegor_19 Start: 15791, Stop: 16621, Start Num: 12

Candidate Starts for Belphegor_19:

(Start: 12 @15791 has 14 MA's), (14, 15797), (32, 15830), (Start: 49 @15884 has 6 MA's), (99, 16055), (100, 16067), (129, 16190), (157, 16313), (184, 16391), (189, 16448), (213, 16559),

Gene: Ben11_14 Start: 12964, Stop: 13773, Start Num: 20

Candidate Starts for Ben11_14:

(Start: 20 @12964 has 44 MA's), (46, 13027), (62, 13090), (87, 13186), (97, 13234), (99, 13240), (111, 13288), (127, 13360), (134, 13390), (141, 13411), (156, 13471), (163, 13492), (184, 13558), (215, 13699), (216, 13702),

Gene: Bernardo_15 Start: 13139, Stop: 13948, Start Num: 20

Candidate Starts for Bernardo_15:

(Start: 20 @13139 has 44 MA's), (46, 13202), (62, 13265), (87, 13361), (97, 13409), (99, 13415), (111, 13463), (127, 13535), (134, 13565), (141, 13586), (156, 13646), (163, 13667), (184, 13733), (215, 13874), (216, 13877),

Gene: Bibwit_22 Start: 17521, Stop: 18351, Start Num: 15

Candidate Starts for Bibwit_22:

(Start: 15 @17521 has 44 MA's), (18, 17530), (59, 17635), (86, 17725), (93, 17749), (99, 17779), (104, 17803), (120, 17866), (129, 17914), (135, 17941), (169, 18070), (184, 18118), (189, 18175), (195, 18199), (197, 18205), (210, 18274), (213, 18286), (217, 18304), (220, 18319),

Gene: BiggityBass_11 Start: 11443, Stop: 12225, Start Num: 22

Candidate Starts for BiggityBass_11:

(Start: 22 @11443 has 393 MA's), (37, 11482), (51, 11536), (65, 11599), (112, 11776), (118, 11800), (187, 12055), (195, 12094), (216, 12181),

Gene: BirdInFrench_25 Start: 14837, Stop: 15583, Start Num: 25

Candidate Starts for BirdInFrench_25:

(Start: 19 @14828 has 1 MA's), (Start: 25 @14837 has 39 MA's), (122, 15164), (153, 15287), (155, 15296), (181, 15371), (183, 15386), (211, 15524), (213, 15533), (222, 15569),

Gene: BirdsNest_18 Start: 12456, Stop: 13232, Start Num: 27

Candidate Starts for BirdsNest_18:

(Start: 27 @12456 has 2 MA's), (33, 12468), (39, 12483), (62, 12576), (98, 12720), (111, 12771), (130, 12861), (141, 12912), (184, 13041), (204, 13125), (212, 13167), (225, 13215),

Gene: Bishoperium_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Bishoperium_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Bizzy_22 Start: 16765, Stop: 17592, Start Num: 15

Candidate Starts for Bizzy_22:

(Start: 15 @16765 has 44 MA's), (18, 16774), (59, 16876), (86, 16966), (120, 17107), (129, 17155), (140, 17206), (153, 17260), (169, 17311), (176, 17329), (184, 17359), (186, 17380), (189, 17416), (197, 17446), (200, 17461), (213, 17527), (217, 17545), (220, 17560),

Gene: Blab_24 Start: 15642, Stop: 16376, Start Num: 25

Candidate Starts for Blab_24:

(Start: 19 @15633 has 1 MA's), (Start: 25 @15642 has 39 MA's), (48, 15702), (100, 15894), (142, 16056), (149, 16083), (155, 16104), (160, 16122), (161, 16125), (174, 16152), (175, 16155), (183, 16191), (188, 16224), (194, 16251),

Gene: BlackStallion_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for BlackStallion_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Blocker23_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for Blocker23_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336),

(216, 15402),

Gene: BlueHusk_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for BlueHusk_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Bluephacebaby_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Bluephacebaby_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: BobBob_19 Start: 16143, Stop: 16973, Start Num: 15

Candidate Starts for BobBob_19:

(Start: 15 @16143 has 44 MA's), (18, 16152), (59, 16257), (86, 16347), (99, 16401), (104, 16425), (120, 16488), (129, 16536), (135, 16563), (139, 16584), (141, 16593), (169, 16692), (184, 16740), (189, 16797), (195, 16821), (197, 16827), (210, 16896), (213, 16908), (217, 16926), (220, 16941),

Gene: BobbyK_13 Start: 13343, Stop: 14137, Start Num: 22

Candidate Starts for BobbyK_13:

(Start: 22 @13343 has 393 MA's), (33, 13364), (37, 13376), (62, 13475), (97, 13613), (111, 13667), (116, 13688), (121, 13709), (123, 13715), (141, 13802), (152, 13844), (184, 13940), (192, 13982), (204, 14024), (212, 14066), (225, 14114),

Gene: Boehler_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Boehler_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Boyle_16 Start: 14653, Stop: 15471, Start Num: 13

Candidate Starts for Boyle_16:

(Start: 13 @14653 has 33 MA's), (62, 14797), (83, 14878), (96, 14932), (97, 14938), (112, 14998), (122, 15037), (129, 15076), (141, 15115), (170, 15211), (184, 15259), (192, 15301), (202, 15337), (216, 15403),

Gene: Brandonk123_23 Start: 16835, Stop: 17665, Start Num: 15

Candidate Starts for Brandonk123_23:

(Start: 15 @16835 has 44 MA's), (18, 16844), (59, 16949), (86, 17039), (93, 17063), (104, 17117), (120, 17180), (129, 17228), (135, 17255), (141, 17285), (169, 17384), (184, 17432), (189, 17489), (197, 17519), (210, 17588), (213, 17600), (217, 17618), (220, 17633),

Gene: BrazzalePHS_27 Start: 15687, Stop: 16517, Start Num: 22

Candidate Starts for BrazzalePHS_27:

(Start: 22 @15687 has 393 MA's), (Start: 61 @15798 has 2 MA's), (Start: 80 @15870 has 1 MA's), (99, 15930), (129, 16080), (135, 16107), (140, 16131), (142, 16146), (153, 16185), (155, 16194), (157, 16206), (210, 16428), (224, 16482),

Gene: Briakila_15 Start: 13905, Stop: 14714, Start Num: 20

Candidate Starts for Briakila_15:

(Start: 20 @13905 has 44 MA's), (46, 13968), (62, 14031), (87, 14127), (97, 14175), (99, 14181), (111, 14229), (127, 14301), (134, 14331), (137, 14334), (141, 14352), (156, 14412), (163, 14433), (184, 14499), (215, 14640), (216, 14643),

Gene: Brilliant_13 Start: 11308, Stop: 12105, Start Num: 22

Candidate Starts for Brilliant_13:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (83, 11515), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: BrownCNA_14 Start: 13597, Stop: 14391, Start Num: 22

Candidate Starts for BrownCNA_14:

(Start: 22 @13597 has 393 MA's), (33, 13618), (37, 13630), (62, 13729), (97, 13867), (111, 13921), (116, 13942), (121, 13963), (123, 13969), (127, 13993), (141, 14056), (152, 14098), (184, 14194), (192, 14236), (204, 14278), (212, 14320), (225, 14368),

Gene: Brownie5_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for Brownie5_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: Buckeye_13 Start: 11604, Stop: 12407, Start Num: 22

Candidate Starts for Buckeye_13:

(Start: 22 @11604 has 393 MA's), (33, 11625), (37, 11637), (40, 11649), (83, 11811), (99, 11880), (111, 11928), (127, 12000), (140, 12045), (144, 12069), (158, 12120), (182, 12174), (192, 12231), (203, 12270),

Gene: Burr_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Burr_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Busephilis_27 Start: 15623, Stop: 16453, Start Num: 22

Candidate Starts for Busephilis_27:

(Start: 22 @15623 has 393 MA's), (Start: 61 @15734 has 2 MA's), (Start: 80 @15806 has 1 MA's), (99, 15866), (129, 16016), (135, 16043), (140, 16067), (142, 16082), (153, 16121), (155, 16130), (157, 16142), (183, 16214), (210, 16364), (224, 16418),

Gene: CRB2_16 Start: 14223, Stop: 15020, Start Num: 10

Candidate Starts for CRB2_16:

(Start: 10 @14223 has 2 MA's), (33, 14262), (37, 14274), (85, 14457), (94, 14493), (97, 14505), (118, 14589), (184, 14829), (190, 14865), (192, 14871), (212, 14955), (222, 14994), (225, 15003),

Gene: CaiB_14 Start: 13114, Stop: 13887, Start Num: 22

Candidate Starts for CaiB_14:

(Start: 22 @13114 has 393 MA's), (62, 13246), (123, 13477), (139, 13543), (141, 13552), (184, 13696), (212, 13822), (215, 13837),

Gene: Calamitous_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Calamitous_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: CamL_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for CamL_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: CampRoach_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for CampRoach_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: CandC_24 Start: 14442, Stop: 15179, Start Num: 25

Candidate Starts for CandC_24:

(Start: 19 @14433 has 1 MA's), (Start: 25 @14442 has 39 MA's), (78, 14613), (122, 14769), (153, 14892), (155, 14901), (160, 14919), (183, 14991), (192, 15045), (213, 15138),

Gene: Cannibal_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Cannibal_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Carthage_12 Start: 11277, Stop: 12080, Start Num: 22

Candidate Starts for Carthage_12:

(Start: 22 @11277 has 393 MA's), (33, 11298), (37, 11310), (40, 11322), (83, 11484), (99, 11553), (111, 11601), (127, 11673), (140, 11718), (144, 11742), (158, 11793), (182, 11847), (192, 11904), (203, 11943),

Gene: Casbah_14 Start: 12992, Stop: 13801, Start Num: 20

Candidate Starts for Casbah_14:

(Start: 20 @12992 has 44 MA's), (46, 13055), (62, 13118), (87, 13214), (97, 13262), (99, 13268), (111, 13316), (127, 13388), (134, 13418), (141, 13439), (156, 13499), (163, 13520), (184, 13586), (215, 13727), (216, 13730),

Gene: Casend_27 Start: 16359, Stop: 17093, Start Num: 25

Candidate Starts for Casend_27:

(Start: 19 @16350 has 1 MA's), (Start: 25 @16359 has 39 MA's), (48, 16419), (74, 16512), (100, 16611), (142, 16773), (155, 16821), (161, 16842), (188, 16941),

Gene: Cepens_10 Start: 12730, Stop: 13506, Start Num: 22

Candidate Starts for Cepens_10:

(Start: 22 @12730 has 393 MA's), (37, 12751), (38, 12754), (43, 12772), (51, 12805), (63, 12859), (65, 12865), (75, 12898), (111, 13045), (117, 13069), (118, 13075), (139, 13159), (161, 13243), (177, 13285), (202, 13390), (205, 13396), (216, 13456),

Gene: ChaChing_15 Start: 13155, Stop: 13964, Start Num: 20

Candidate Starts for ChaChing_15:

(Start: 20 @13155 has 44 MA's), (46, 13218), (62, 13281), (87, 13377), (97, 13425), (99, 13431), (111, 13479), (127, 13551), (134, 13581), (141, 13602), (156, 13662), (163, 13683), (184, 13749), (215, 13890), (216, 13893),

Gene: ChadMasterC_21 Start: 17242, Stop: 18072, Start Num: 15

Candidate Starts for ChadMasterC_21:

(Start: 15 @17242 has 44 MA's), (18, 17251), (59, 17356), (86, 17446), (99, 17500), (104, 17524), (120, 17587), (129, 17635), (135, 17662), (169, 17791), (184, 17839), (189, 17896), (195, 17920), (197, 17926), (210, 17995), (213, 18007), (217, 18025), (220, 18040),

Gene: Chaelin_12 Start: 11263, Stop: 12066, Start Num: 22

Candidate Starts for Chaelin_12:

(Start: 22 @11263 has 393 MA's), (33, 11284), (37, 11296), (40, 11308), (83, 11470), (99, 11539), (111, 11587), (127, 11659), (140, 11704), (144, 11728), (158, 11779), (182, 11833), (192, 11890), (203, 11929),

Gene: Chah_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for Chah_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Chandler_15 Start: 13914, Stop: 14723, Start Num: 20

Candidate Starts for Chandler_15:

(Start: 20 @13914 has 44 MA's), (46, 13977), (62, 14040), (87, 14136), (97, 14184), (99, 14190), (111, 14238), (127, 14310), (134, 14340), (137, 14343), (141, 14361), (156, 14421), (163, 14442), (184, 14508), (215, 14649), (216, 14652),

Gene: Charles1_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Charles1_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: CharlieGBrown_12 Start: 11173, Stop: 11970, Start Num: 22

Candidate Starts for CharlieGBrown_12:

(Start: 22 @11173 has 393 MA's), (33, 11194), (37, 11206), (40, 11218), (99, 11449), (111, 11497), (127, 11569), (140, 11614), (144, 11638), (158, 11689), (182, 11743), (192, 11800), (203, 11839),

Gene: CharlottesWeb_12 Start: 11678, Stop: 12469, Start Num: 22

Candidate Starts for CharlottesWeb_12:

(Start: 22 @11678 has 393 MA's), (37, 11714), (51, 11768), (65, 11834), (101, 11972), (141, 12128), (184, 12272), (202, 12350), (215, 12413),

Gene: Charming_19 Start: 16145, Stop: 16975, Start Num: 15

Candidate Starts for Charming_19:

(Start: 15 @16145 has 44 MA's), (18, 16154), (59, 16259), (86, 16349), (99, 16403), (104, 16427), (120, 16490), (129, 16538), (135, 16565), (139, 16586), (141, 16595), (169, 16694), (184, 16742), (189, 16799), (195, 16823), (197, 16829), (210, 16898), (213, 16910), (217, 16928), (220, 16943),

Gene: CheetO_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for CheetO_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Cher_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Cher_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Chickadee_21 Start: 15725, Stop: 16555, Start Num: 12

Candidate Starts for Chickadee_21:

(Start: 12 @15725 has 14 MA's), (66, 15881), (69, 15893), (95, 15971), (115, 16055), (125, 16097), (129, 16124), (153, 16226), (169, 16277), (195, 16406), (197, 16412), (202, 16433), (213, 16493), (216, 16508),

Gene: Childish_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Childish_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Chorkpop_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Chorkpop_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: ChrisnMich_12 Start: 12252, Stop: 13046, Start Num: 22

Candidate Starts for ChrisnMich_12:

(Start: 22 @12252 has 393 MA's), (33, 12273), (36, 12282), (50, 12339), (62, 12384), (97, 12522), (111, 12576), (116, 12597), (121, 12618), (123, 12624), (152, 12753), (184, 12849), (187, 12867), (192, 12891), (212, 12975), (225, 13023),

Gene: Chunky_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Chunky_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Chute_12 Start: 11617, Stop: 12414, Start Num: 22

Candidate Starts for Chute_12:

(Start: 22 @11617 has 393 MA's), (33, 11638), (37, 11650), (40, 11662), (99, 11893), (111, 11941), (127, 12013), (140, 12058), (144, 12082), (158, 12133), (182, 12187), (192, 12244), (203, 12283),

Gene: Cinna_23 Start: 15247, Stop: 16008, Start Num: 49

Candidate Starts for Cinna_23:

(Start: 23 @15178 has 1 MA's), (Start: 49 @15247 has 6 MA's), (92, 15400), (128, 15562), (142, 15646), (153, 15685), (155, 15694), (183, 15778), (184, 15781), (192, 15814), (195, 15829), (201, 15853), (209, 15901), (216, 15931), (219, 15940), (227, 15976),

Gene: ClamChowder_22 Start: 14500, Stop: 15312, Start Num: 22

Candidate Starts for ClamChowder_22:

(Start: 22 @14500 has 393 MA's), (53, 14581), (96, 14731), (129, 14878), (137, 14914), (167, 15028), (226, 15298),

Gene: Clawz_45 Start: 24999, Stop: 25766, Start Num: 22

Candidate Starts for Clawz_45:

(Start: 22 @24999 has 393 MA's), (55, 25101), (62, 25131), (72, 25161), (136, 25413), (143, 25449), (195, 25635),

Gene: ClearAsMud_30 Start: 16413, Stop: 17243, Start Num: 22

Candidate Starts for ClearAsMud_30:

(Start: 22 @16413 has 393 MA's), (Start: 61 @16524 has 2 MA's), (Start: 80 @16596 has 1 MA's), (129, 16806), (135, 16833), (140, 16857), (142, 16872), (155, 16920), (157, 16932), (195, 17079), (200, 17100), (210, 17154), (224, 17208),

Gene: CloverMinnie_14 Start: 13114, Stop: 13887, Start Num: 22

Candidate Starts for CloverMinnie_14:

(Start: 22 @13114 has 393 MA's), (62, 13246), (119, 13465), (123, 13477), (139, 13543), (141, 13552), (184, 13696), (212, 13822), (215, 13837),

Gene: Clown_24 Start: 16474, Stop: 17325, Start Num: 22

Candidate Starts for Clown_24:

(Start: 22 @16474 has 393 MA's), (35, 16492), (44, 16516), (53, 16549), (71, 16621), (91, 16684), (111, 16771), (121, 16813), (129, 16858), (157, 16984), (171, 17014), (181, 17044), (195, 17143), (204, 17170), (220, 17248), (226, 17266),

Gene: Cobra_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Cobra_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Coffee_16 Start: 14649, Stop: 15467, Start Num: 13

Candidate Starts for Coffee_16:

(Start: 13 @14649 has 33 MA's), (62, 14793), (96, 14928), (97, 14934), (112, 14994), (122, 15033), (129, 15072), (141, 15111), (170, 15207), (184, 15255), (192, 15297), (202, 15333), (216, 15399),

Gene: Colbert_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Colbert_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Coletti_12 Start: 11617, Stop: 12414, Start Num: 22

Candidate Starts for Coletti_12:

(Start: 22 @11617 has 393 MA's), (33, 11638), (37, 11650), (40, 11662), (99, 11893), (111, 11941), (127, 12013), (140, 12058), (144, 12082), (158, 12133), (182, 12187), (192, 12244), (203, 12283),

Gene: Compostia_16 Start: 13573, Stop: 14382, Start Num: 20

Candidate Starts for Compostia_16:

(Start: 20 @13573 has 44 MA's), (46, 13636), (62, 13699), (87, 13795), (97, 13843), (99, 13849), (111, 13897), (127, 13969), (134, 13999), (137, 14002), (141, 14020), (156, 14080), (163, 14101), (184, 14167), (215, 14308), (216, 14311),

Gene: Cooper_13 Start: 12350, Stop: 13141, Start Num: 22

Candidate Starts for Cooper_13:

(Start: 22 @12350 has 393 MA's), (33, 12362), (36, 12371), (50, 12428), (62, 12473), (84, 12551), (97, 12611), (111, 12665), (116, 12686), (121, 12707), (123, 12713), (152, 12842), (158, 12869), (182, 12929), (184, 12944), (187, 12962), (192, 12986), (204, 13028), (225, 13118),

Gene: Cornobble_12 Start: 11150, Stop: 11953, Start Num: 22

Candidate Starts for Cornobble_12:

(Start: 22 @11150 has 393 MA's), (33, 11171), (37, 11183), (40, 11195), (83, 11357), (99, 11426), (111, 11474), (127, 11546), (140, 11591), (144, 11615), (158, 11666), (182, 11720), (192, 11777), (203, 11816),

Gene: Corofin_15 Start: 13165, Stop: 13974, Start Num: 20

Candidate Starts for Corofin_15:

(Start: 20 @13165 has 44 MA's), (46, 13228), (62, 13291), (87, 13387), (97, 13435), (99, 13441), (111, 13489), (127, 13561), (134, 13591), (137, 13594), (141, 13612), (156, 13672), (163, 13693), (184, 13759), (215, 13900), (216, 13903),

Gene: Cosmolli16_12 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Cosmolli16_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Craff_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Craff_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Cranjis_29 Start: 15847, Stop: 16677, Start Num: 22

Candidate Starts for Cranjis_29:

(Start: 22 @15847 has 393 MA's), (Start: 61 @15958 has 2 MA's), (Start: 80 @16030 has 1 MA's), (99, 16090), (129, 16240), (135, 16267), (140, 16291), (142, 16306), (153, 16345), (155, 16354), (157, 16366), (210, 16588), (224, 16642),

Gene: CrazyRich_27 Start: 15657, Stop: 16487, Start Num: 22

Candidate Starts for CrazyRich_27:

(Start: 22 @15657 has 393 MA's), (Start: 61 @15768 has 2 MA's), (Start: 80 @15840 has 1 MA's), (99, 15900), (129, 16050), (135, 16077), (140, 16101), (142, 16116), (153, 16155), (155, 16164), (157, 16176), (210, 16398), (224, 16452),

Gene: Cressida_25 Start: 15291, Stop: 16052, Start Num: 49

Candidate Starts for Cressida_25:

(Start: 23 @15222 has 1 MA's), (Start: 49 @15291 has 6 MA's), (92, 15444), (128, 15606), (135, 15651), (142, 15690), (153, 15729), (155, 15738), (183, 15822), (184, 15825), (192, 15858), (195, 15873), (201, 15897), (216, 15975), (219, 15984), (227, 16020),

Gene: Crisis_29 Start: 15642, Stop: 16472, Start Num: 22

Candidate Starts for Crisis_29:

(Start: 22 @15642 has 393 MA's), (Start: 61 @15753 has 2 MA's), (Start: 80 @15825 has 1 MA's), (99, 15885), (129, 16035), (140, 16086), (142, 16101), (153, 16140), (155, 16149), (157, 16161), (210, 16383), (224, 16437),

Gene: Crownjwl_13 Start: 11387, Stop: 12190, Start Num: 22

Candidate Starts for Crownjwl_13:

(Start: 22 @11387 has 393 MA's), (33, 11408), (37, 11420), (40, 11432), (83, 11594), (99, 11663), (111, 11711), (127, 11783), (140, 11828), (144, 11852), (158, 11903), (182, 11957), (192, 12014), (203, 12053),

Gene: D12_10 Start: 12708, Stop: 13484, Start Num: 22

Candidate Starts for D12_10:

(Start: 22 @12708 has 393 MA's), (37, 12729), (38, 12732), (43, 12750), (51, 12783), (63, 12837), (65, 12843), (75, 12876), (111, 13023), (117, 13047), (118, 13053), (139, 13137), (161, 13221), (177, 13263), (202, 13368), (205, 13374), (216, 13434),

Gene: DaddyDaniels_13 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for DaddyDaniels_13:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: Daffy_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Daffy_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Daisy_15 Start: 13161, Stop: 13970, Start Num: 20

Candidate Starts for Daisy_15:

(Start: 20 @13161 has 44 MA's), (46, 13224), (62, 13287), (87, 13383), (97, 13431), (99, 13437), (111, 13485), (127, 13557), (134, 13587), (137, 13590), (141, 13608), (156, 13668), (163, 13689), (184, 13755), (215, 13896), (216, 13899),

Gene: Daka_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Daka_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Danyall_22 Start: 14345, Stop: 15157, Start Num: 22

Candidate Starts for Danyall_22:

(Start: 22 @14345 has 393 MA's), (53, 14426), (96, 14576), (129, 14723), (137, 14759), (167, 14873), (226, 15143),

Gene: Dati_13 Start: 11303, Stop: 12106, Start Num: 22

Candidate Starts for Dati_13:

(Start: 22 @11303 has 393 MA's), (33, 11324), (37, 11336), (40, 11348), (83, 11510), (99, 11579), (111, 11627), (127, 11699), (140, 11744), (144, 11768), (158, 11819), (182, 11873), (192, 11930), (203, 11969),

Gene: Deenasa_15 Start: 13903, Stop: 14712, Start Num: 20

Candidate Starts for Deenasa_15:

(Start: 20 @13903 has 44 MA's), (46, 13966), (62, 14029), (87, 14125), (97, 14173), (99, 14179), (111, 14227), (127, 14299), (134, 14329), (141, 14350), (156, 14410), (163, 14431), (184, 14497), (215, 14638), (216, 14641),

Gene: DelRivs_12 Start: 11308, Stop: 12111, Start Num: 22

Candidate Starts for DelRivs_12:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (83, 11515), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: Delrey21_22 Start: 17000, Stop: 17824, Start Num: 21

Candidate Starts for Delrey21_22:

(Start: 21 @17000 has 9 MA's), (Start: 49 @17072 has 6 MA's), (99, 17255), (107, 17282), (114, 17312), (129, 17384), (133, 17405), (153, 17486), (169, 17537), (178, 17558), (184, 17585), (189, 17642), (195, 17666), (197, 17672), (200, 17687), (202, 17693), (218, 17774), (220, 17786),

Gene: Derg_19 Start: 16357, Stop: 17184, Start Num: 15

Candidate Starts for Derg_19:

(Start: 15 @16357 has 44 MA's), (18, 16366), (59, 16468), (86, 16558), (93, 16582), (120, 16699), (129, 16747), (140, 16798), (153, 16852), (169, 16903), (176, 16921), (184, 16951), (186, 16972), (189, 17008), (197, 17038), (200, 17053), (213, 17119), (217, 17137), (220, 17152), (226, 17170),

Gene: Derpp_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Derpp_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Devonte_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for Devonte_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215, 13875), (216, 13878),

Gene: Dewdrop_62 Start: 32410, Stop: 33225, Start Num: 22

Candidate Starts for Dewdrop_62:

(Start: 22 @32410 has 393 MA's), (Start: 49 @32482 has 6 MA's), (Start: 61 @32524 has 2 MA's), (88, 32614), (90, 32623), (133, 32800), (157, 32899), (184, 32977), (196, 33028),

Gene: Dxdert_22 Start: 16169, Stop: 16999, Start Num: 12

Candidate Starts for Dxdert_22:

(Start: 12 @16169 has 14 MA's), (66, 16325), (69, 16337), (115, 16499), (125, 16541), (129, 16568), (153, 16670), (169, 16721), (195, 16850), (197, 16856), (202, 16877), (213, 16937), (216, 16952),

Gene: Dice_13 Start: 11308, Stop: 12105, Start Num: 22

Candidate Starts for Dice_13:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (83, 11515), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: DigitDog_14 Start: 13334, Stop: 14140, Start Num: 22

Candidate Starts for DigitDog_14:

(Start: 22 @13334 has 393 MA's), (54, 13424), (98, 13628), (118, 13709), (127, 13751), (142, 13814), (146, 13826), (164, 13886), (184, 13943), (192, 13985), (211, 14063), (225, 14117),

Gene: Dingo_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Dingo_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Dione_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Dione_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: DirtJuice_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for DirtJuice_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: DoctorFroggo_22 Start: 17000, Stop: 17824, Start Num: 21

Candidate Starts for DoctorFroggo_22:

(Start: 21 @17000 has 9 MA's), (Start: 49 @17072 has 6 MA's), (99, 17255), (107, 17282), (114, 17312), (129, 17384), (133, 17405), (153, 17486), (169, 17537), (178, 17558), (184, 17585), (189, 17642), (195, 17666), (197, 17672), (200, 17687), (202, 17693), (218, 17774), (220, 17786),

Gene: Doddsville_13 Start: 11303, Stop: 12106, Start Num: 22

Candidate Starts for Doddsville_13:

(Start: 22 @11303 has 393 MA's), (33, 11324), (37, 11336), (40, 11348), (83, 11510), (99, 11579), (111, 11627), (127, 11699), (140, 11744), (144, 11768), (158, 11819), (182, 11873), (192, 11930), (203, 11969),

Gene: DoesntMatter_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for DoesntMatter_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: DonSanchon_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for DonSanchon_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: DonTron_45 Start: 25122, Stop: 25889, Start Num: 22

Candidate Starts for DonTron_45:

(Start: 22 @25122 has 393 MA's), (45, 25188), (55, 25224), (102, 25395), (104, 25398), (139, 25548), (153, 25602), (195, 25758), (197, 25764), (215, 25842), (223, 25869),

Gene: DonaldDuck_26 Start: 15705, Stop: 16439, Start Num: 25

Candidate Starts for DonaldDuck_26:

(Start: 19 @15696 has 1 MA's), (Start: 25 @15705 has 39 MA's), (48, 15765), (74, 15858), (100, 15957), (142, 16119), (155, 16167), (161, 16188), (188, 16287),

Gene: Donny_14 Start: 13351, Stop: 14157, Start Num: 22

Candidate Starts for Donny_14:

(Start: 22 @13351 has 393 MA's), (34, 13366), (42, 13393), (54, 13441), (118, 13726), (127, 13768), (131, 13786), (137, 13804), (142, 13831), (146, 13843), (164, 13903), (184, 13960), (187, 13978), (192, 14002), (204, 14044), (211, 14080),

Gene: Dori_11 Start: 10375, Stop: 11223, Start Num: 22

Candidate Starts for Dori_11:

(Start: 22 @10375 has 393 MA's), (34, 10390), (62, 10501), (65, 10513), (75, 10546), (99, 10648), (111, 10696), (123, 10744), (127, 10768), (139, 10810), (144, 10837), (168, 10912), (173, 10918), (182, 10948), (184, 10963), (187, 10981), (204, 11047), (206, 11059), (211, 11083), (215, 11104), (225, 11137),

Gene: DuchessDung_12 Start: 11155, Stop: 11952, Start Num: 22

Candidate Starts for DuchessDung_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: Duggie_12 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for Duggie_12:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: Durga_13 Start: 11616, Stop: 12413, Start Num: 22

Candidate Starts for Durga_13:

(Start: 22 @11616 has 393 MA's), (33, 11637), (37, 11649), (40, 11661), (83, 11823), (99, 11892), (111, 11940), (127, 12012), (140, 12057), (144, 12081), (158, 12132), (182, 12186), (192, 12243), (203, 12282),

Gene: EMoore_17 Start: 15039, Stop: 15869, Start Num: 12

Candidate Starts for EMoore_17:

(Start: 12 @15039 has 14 MA's), (14, 15045), (31, 15072), (32, 15078), (Start: 49 @15132 has 6 MA's), (99, 15303), (100, 15315), (120, 15390), (129, 15438), (140, 15486), (153, 15540), (172, 15594), (184, 15639), (189, 15696), (213, 15807),

Gene: Eaglehorse_16 Start: 14556, Stop: 15374, Start Num: 13

Candidate Starts for Eaglehorse_16:

(Start: 13 @14556 has 33 MA's), (62, 14700), (83, 14781), (96, 14835), (97, 14841), (112, 14901), (122, 14940), (129, 14979), (141, 15018), (170, 15114), (184, 15162), (192, 15204), (202, 15240), (216, 15306),

Gene: EarickHC_28 Start: 15751, Stop: 16398, Start Num: 80

Candidate Starts for EarickHC_28:

(Start: 22 @15568 has 393 MA's), (Start: 61 @15679 has 2 MA's), (Start: 80 @15751 has 1 MA's), (99, 15811), (129, 15961), (140, 16012), (142, 16027), (153, 16066), (155, 16075), (157, 16087), (210, 16309), (224, 16363),

Gene: EastView9101_14 Start: 13358, Stop: 14164, Start Num: 22

Candidate Starts for EastView9101_14:

(Start: 22 @13358 has 393 MA's), (34, 13373), (42, 13400), (54, 13448), (99, 13655), (111, 13703), (118, 13733), (127, 13775), (131, 13793), (137, 13811), (142, 13838), (146, 13850), (164, 13910), (184, 13967), (192, 14009), (211, 14087),

Gene: EdmundFerry_20 Start: 15753, Stop: 16583, Start Num: 12

Candidate Starts for EdmundFerry_20:

(Start: 12 @15753 has 14 MA's), (66, 15909), (69, 15921), (95, 15999), (115, 16083), (125, 16125), (129, 16152), (153, 16254), (157, 16275), (169, 16305), (195, 16434), (197, 16440), (202, 16461), (213, 16521),

Gene: Emiris_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Emiris_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: EmpTee_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for EmpTee_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Eremos_13 Start: 11596, Stop: 12399, Start Num: 22

Candidate Starts for Eremos_13:

(Start: 22 @11596 has 393 MA's), (33, 11617), (37, 11629), (40, 11641), (83, 11803), (99, 11872), (111, 11920), (127, 11992), (140, 12037), (144, 12061), (158, 12112), (182, 12166), (192, 12223), (203, 12262),

Gene: Etaye_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Etaye_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Eugenia_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Eugenia_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Evaa_13 Start: 12976, Stop: 13755, Start Num: 22

Candidate Starts for Evaa_13:

(Start: 22 @12976 has 393 MA's), (113, 13312), (141, 13420), (173, 13519), (184, 13564), (192, 13606), (204, 13648),

Gene: Evamon_20 Start: 13832, Stop: 14644, Start Num: 22

Candidate Starts for Evamon_20:

(Start: 22 @13832 has 393 MA's), (53, 13913), (96, 14063), (129, 14210), (137, 14246), (167, 14360), (226, 14630),

Gene: Fang_13 Start: 11606, Stop: 12403, Start Num: 22

Candidate Starts for Fang_13:

(Start: 22 @11606 has 393 MA's), (33, 11627), (37, 11639), (40, 11651), (83, 11813), (99, 11882), (111, 11930), (127, 12002), (140, 12047), (144, 12071), (158, 12122), (182, 12176), (192, 12233), (203, 12272),

Gene: Faze9_16 Start: 14649, Stop: 15467, Start Num: 13

Candidate Starts for Faze9_16:

(Start: 13 @14649 has 33 MA's), (62, 14793), (83, 14874), (96, 14928), (97, 14934), (112, 14994), (122, 15033), (129, 15072), (141, 15111), (170, 15207), (184, 15255), (192, 15297), (202, 15333), (216, 15399),

Gene: Fireball_21 Start: 13964, Stop: 14776, Start Num: 22

Candidate Starts for Fireball_21:

(Start: 22 @13964 has 393 MA's), (53, 14045), (96, 14195), (129, 14342), (137, 14378), (167, 14492), (226, 14762),

Gene: Fireman_28 Start: 15540, Stop: 16349, Start Num: 22

Candidate Starts for Fireman_28:

(Start: 22 @15540 has 393 MA's), (60, 15642), (Start: 61 @15651 has 2 MA's), (63, 15660), (79, 15720), (Start: 80 @15723 has 1 MA's), (99, 15783), (128, 15918), (132, 15957), (153, 16041), (155, 16050), (200, 16206), (210, 16260), (224, 16314), (228, 16338),

Gene: Fitzgerald_19 Start: 16571, Stop: 17401, Start Num: 15

Candidate Starts for Fitzgerald_19:

(Start: 15 @16571 has 44 MA's), (18, 16580), (59, 16685), (86, 16775), (99, 16829), (104, 16853), (120, 16916), (129, 16964), (169, 17120), (184, 17168), (189, 17225), (195, 17249), (197, 17255), (210, 17324), (213, 17336), (217, 17354), (220, 17369),

Gene: Fizzles_26 Start: 15665, Stop: 16411, Start Num: 25

Candidate Starts for Fizzles_26:

(Start: 19 @15656 has 1 MA's), (Start: 25 @15665 has 39 MA's), (74, 15818), (100, 15917), (122, 15995), (154, 16124), (155, 16127), (160, 16145), (183, 16214), (217, 16379),

Gene: Flatwoods_22 Start: 16784, Stop: 17611, Start Num: 15

Candidate Starts for Flatwoods_22:

(Start: 15 @16784 has 44 MA's), (18, 16793), (59, 16895), (86, 16985), (93, 17009), (120, 17126), (129, 17174), (140, 17225), (153, 17279), (169, 17330), (176, 17348), (184, 17378), (186, 17399), (189, 17435), (197, 17465), (200, 17480), (213, 17546), (217, 17564), (220, 17579), (226, 17597),

Gene: FluffyNinja_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for FluffyNinja_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Fortunato_13 Start: 13340, Stop: 14134, Start Num: 22

Candidate Starts for Fortunato_13:

(Start: 22 @13340 has 393 MA's), (33, 13361), (62, 13472), (97, 13610), (111, 13664), (116, 13685), (121, 13706), (123, 13712), (141, 13799), (152, 13841), (184, 13937), (185, 13940), (192, 13979), (204, 14021), (212, 14063), (225, 14111),

Gene: Fosterous_19 Start: 17034, Stop: 17864, Start Num: 15

Candidate Starts for Fosterous_19:

(Start: 15 @17034 has 44 MA's), (18, 17043), (59, 17148), (71, 17196), (86, 17238), (93, 17262), (99, 17292), (104, 17316), (120, 17379), (129, 17427), (169, 17583), (184, 17631), (189, 17688), (195, 17712), (197, 17718), (210, 17787), (213, 17799), (217, 17817), (220, 17832),

Gene: Fozzie_12 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Fozzie_12:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Frankicide_13 Start: 11604, Stop: 12407, Start Num: 22

Candidate Starts for Frankicide_13:

(Start: 22 @11604 has 393 MA's), (33, 11625), (37, 11637), (40, 11649), (83, 11811), (99, 11880), (111, 11928), (127, 12000), (140, 12045), (144, 12069), (158, 12120), (182, 12174), (192, 12231), (203, 12270),

Gene: Fransoyer_28 Start: 15730, Stop: 16464, Start Num: 25

Candidate Starts for Fransoyer_28:

(Start: 25 @15730 has 39 MA's), (77, 15898), (100, 15979), (155, 16186), (183, 16276), (193, 16333), (199, 16363),

Gene: Frederick_13 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Frederick_13:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (141, 13805), (152, 13847), (184, 13943), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: Fregley_26 Start: 15015, Stop: 15752, Start Num: 25

Candidate Starts for Fregley_26:

(Start: 19 @15006 has 1 MA's), (Start: 25 @15015 has 39 MA's), (78, 15186), (122, 15342), (153, 15465), (155, 15474), (160, 15492), (183, 15564), (192, 15618), (213, 15711),

Gene: FrenchFry_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for FrenchFry_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (63, 14802), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: Fresco_12 Start: 11636, Stop: 12418, Start Num: 22

Candidate Starts for Fresco_12:

(Start: 22 @11636 has 393 MA's), (30, 11648), (51, 11726), (192, 12272), (195, 12287), (202, 12308), (211, 12350), (212, 12356), (222, 12395),

Gene: Freya_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Freya_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: FriarPreacher_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for FriarPreacher_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Fringe_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Fringe_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230),

(203, 12269),

Gene: FugateOSU_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for FugateOSU_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Fugax_22 Start: 14500, Stop: 15312, Start Num: 22

Candidate Starts for Fugax_22:

(Start: 22 @14500 has 393 MA's), (53, 14581), (96, 14731), (129, 14878), (137, 14914), (167, 15028), (226, 15298),

Gene: Funsized_18 Start: 15411, Stop: 16229, Start Num: 22

Candidate Starts for Funsized_18:

(Start: 22 @15411 has 393 MA's), (33, 15441), (37, 15453), (57, 15531), (99, 15699), (106, 15729), (124, 15804), (141, 15876), (151, 15915), (164, 15960), (168, 15966), (177, 15987), (180, 15993), (202, 16104), (215, 16167),

Gene: FuzzBuster_33 Start: 16274, Stop: 17122, Start Num: 22

Candidate Starts for FuzzBuster_33:

(4, 16175), (Start: 22 @16274 has 393 MA's), (35, 16301), (Start: 80 @16463 has 1 MA's), (137, 16700), (144, 16736), (153, 16766), (181, 16847), (201, 16940), (221, 17036), (233, 17087),

Gene: GTE6_21 Start: 16242, Stop: 17072, Start Num: 12

Candidate Starts for GTE6_21:

(Start: 12 @16242 has 14 MA's), (66, 16398), (69, 16410), (95, 16488), (115, 16572), (125, 16614), (129, 16641), (153, 16743), (169, 16794), (195, 16923), (197, 16929), (202, 16950), (213, 17010), (216, 17025), (220, 17043),

Gene: Gadget_16 Start: 13144, Stop: 13953, Start Num: 20

Candidate Starts for Gadget_16:

(Start: 20 @13144 has 44 MA's), (46, 13207), (62, 13270), (87, 13366), (97, 13414), (99, 13420), (111, 13468), (127, 13540), (134, 13570), (141, 13591), (156, 13651), (163, 13672), (184, 13738), (215, 13879), (216, 13882),

Gene: Gaea_21 Start: 16472, Stop: 17299, Start Num: 15

Candidate Starts for Gaea_21:

(Start: 15 @16472 has 44 MA's), (18, 16481), (59, 16583), (86, 16673), (120, 16814), (129, 16862), (140, 16913), (153, 16967), (169, 17018), (176, 17036), (184, 17066), (186, 17087), (189, 17123), (197, 17153), (213, 17234), (217, 17252), (220, 17267),

Gene: Galadriel_23 Start: 16884, Stop: 17714, Start Num: 15

Candidate Starts for Galadriel_23:

(Start: 15 @16884 has 44 MA's), (18, 16893), (59, 16998), (86, 17088), (99, 17142), (104, 17166), (120, 17229), (129, 17277), (135, 17304), (141, 17334), (169, 17433), (184, 17481), (189, 17538), (195, 17562), (197, 17568), (210, 17637), (213, 17649), (217, 17667), (220, 17682),

Gene: Ganandorf_27 Start: 15815, Stop: 16534, Start Num: 61

Candidate Starts for Ganandorf_27:

(Start: 22 @15704 has 393 MA's), (Start: 61 @15815 has 2 MA's), (Start: 80 @15887 has 1 MA's), (99, 15947), (129, 16097), (135, 16124), (140, 16148), (142, 16163), (153, 16202), (155, 16211), (157, 16223), (210, 16445), (224, 16499),

Gene: Gareth_12 Start: 11306, Stop: 12103, Start Num: 22

Candidate Starts for Gareth_12:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Gazebo_25 Start: 16208, Stop: 16942, Start Num: 25

Candidate Starts for Gazebo_25:

(Start: 19 @16199 has 1 MA's), (Start: 25 @16208 has 39 MA's), (48, 16268), (100, 16460), (142, 16622), (149, 16649), (155, 16670), (161, 16691), (174, 16718), (175, 16721), (183, 16757), (188, 16790), (194, 16817),

Gene: GeneCoco_13 Start: 11608, Stop: 12405, Start Num: 22

Candidate Starts for GeneCoco_13:

(Start: 22 @11608 has 393 MA's), (33, 11629), (37, 11641), (40, 11653), (83, 11815), (99, 11884), (111, 11932), (127, 12004), (140, 12049), (144, 12073), (158, 12124), (182, 12178), (192, 12235), (203, 12274),

Gene: Geodirt_20 Start: 17101, Stop: 17931, Start Num: 15

Candidate Starts for Geodirt_20:

(Start: 15 @17101 has 44 MA's), (18, 17110), (59, 17215), (86, 17305), (93, 17329), (99, 17359), (104, 17383), (120, 17446), (129, 17494), (135, 17521), (169, 17650), (184, 17698), (189, 17755), (197, 17785), (210, 17854), (213, 17866), (217, 17884), (220, 17899),

Gene: Gervas_15 Start: 13123, Stop: 13932, Start Num: 20

Candidate Starts for Gervas_15:

(Start: 20 @13123 has 44 MA's), (46, 13186), (62, 13249), (87, 13345), (97, 13393), (99, 13399), (111, 13447), (127, 13519), (134, 13549), (141, 13570), (156, 13630), (163, 13651), (184, 13717), (215, 13858), (216, 13861),

Gene: Gezellig_21 Start: 13964, Stop: 14776, Start Num: 22

Candidate Starts for Gezellig_21:

(Start: 22 @13964 has 393 MA's), (53, 14045), (96, 14195), (129, 14342), (137, 14378), (167, 14492), (226, 14762),

Gene: Gina_29 Start: 15204, Stop: 16019, Start Num: 22

Candidate Starts for Gina_29:

(Start: 22 @15204 has 393 MA's), (60, 15306), (Start: 61 @15315 has 2 MA's), (63, 15324), (79, 15384), (128, 15582), (132, 15621), (142, 15666), (153, 15705), (155, 15714), (200, 15870), (210, 15924), (224, 15978),

Gene: Giraffe_13 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Giraffe_13:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Glass_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for Glass_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (63, 14802), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: GlenHope_16 Start: 13130, Stop: 13939, Start Num: 20

Candidate Starts for GlenHope_16:

(Start: 20 @13130 has 44 MA's), (46, 13193), (62, 13256), (87, 13352), (97, 13400), (99, 13406), (111, 13454), (127, 13526), (134, 13556), (141, 13577), (156, 13637), (163, 13658), (184, 13724), (215, 13865), (216, 13868),

Gene: GodPhather_11 Start: 12988, Stop: 13764, Start Num: 22

Candidate Starts for GodPhather_11:

(Start: 22 @12988 has 393 MA's), (37, 13009), (38, 13012), (43, 13030), (51, 13063), (63, 13117), (65, 13123), (75, 13156), (111, 13303), (117, 13327), (118, 13333), (139, 13417), (161, 13501), (177, 13543), (202, 13648), (205, 13654), (216, 13714),

Gene: Godines_16 Start: 14535, Stop: 15353, Start Num: 13

Candidate Starts for Godines_16:

(Start: 13 @14535 has 33 MA's), (62, 14679), (96, 14814), (97, 14820), (112, 14880), (122, 14919), (129, 14958), (141, 14997), (170, 15093), (184, 15141), (192, 15183), (202, 15219), (216, 15285),

Gene: Gophee_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Gophee_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Grand2040_12 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Grand2040_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Grassboy_27 Start: 16381, Stop: 17115, Start Num: 25

Candidate Starts for Grassboy_27:

(Start: 19 @16372 has 1 MA's), (Start: 25 @16381 has 39 MA's), (48, 16441), (100, 16633), (142, 16795), (149, 16822), (155, 16843), (161, 16864), (174, 16891), (175, 16894), (183, 16930), (188, 16963), (194, 16990),

Gene: Gustavo_21 Start: 16571, Stop: 17398, Start Num: 15

Candidate Starts for Gustavo_21:

(Start: 15 @16571 has 44 MA's), (18, 16580), (59, 16682), (86, 16772), (120, 16913), (129, 16961), (140, 17012), (153, 17066), (169, 17117), (176, 17135), (184, 17165), (186, 17186), (189, 17222), (197, 17252), (213, 17333), (217, 17351), (220, 17366),

Gene: Gwilliam_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Gwilliam_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Gyarad_0013 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Gyarad_0013:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: HSavage_13 Start: 11604, Stop: 12407, Start Num: 22

Candidate Starts for HSavage_13:

(Start: 22 @11604 has 393 MA's), (33, 11625), (37, 11637), (40, 11649), (83, 11811), (99, 11880), (111, 11928), (127, 12000), (140, 12045), (144, 12069), (158, 12120), (182, 12174), (192, 12231), (203, 12270),

Gene: Haimas_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Haimas_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Haleema_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Haleema_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Halfpint_14 Start: 12965, Stop: 13774, Start Num: 20

Candidate Starts for Halfpint_14:

(Start: 20 @12965 has 44 MA's), (46, 13028), (62, 13091), (87, 13187), (97, 13235), (99, 13241), (111, 13289), (127, 13361), (134, 13391), (141, 13412), (156, 13472), (163, 13493), (184, 13559), (215, 13700), (216, 13703),

Gene: Halo3_21 Start: 14285, Stop: 15097, Start Num: 22

Candidate Starts for Halo3_21:

(Start: 22 @14285 has 393 MA's), (53, 14366), (96, 14516), (125, 14636), (129, 14663), (167, 14813), (195, 14945), (226, 15083),

Gene: Hamish_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Hamish_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Hangman_13 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Hangman_13:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (127, 13742), (141, 13805), (152, 13847), (184, 13943), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: Hans_24 Start: 17335, Stop: 18165, Start Num: 12

Candidate Starts for Hans_24:

(Start: 12 @17335 has 14 MA's), (14, 17341), (31, 17368), (32, 17374), (Start: 49 @17428 has 6 MA's), (99, 17599), (100, 17611), (120, 17686), (129, 17734), (153, 17836), (172, 17890), (184, 17935), (189, 17992), (213, 18103),

Gene: Hartsy_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Hartsy_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Harvey_13 Start: 11606, Stop: 12409, Start Num: 22

Candidate Starts for Harvey_13:

(Start: 22 @11606 has 393 MA's), (33, 11627), (37, 11639), (40, 11651), (83, 11813), (99, 11882), (111, 11930), (127, 12002), (140, 12047), (144, 12071), (158, 12122), (182, 12176), (192, 12233), (203, 12272),

Gene: HarveySr_15 Start: 13117, Stop: 13926, Start Num: 20

Candidate Starts for HarveySr_15:

(Start: 20 @13117 has 44 MA's), (46, 13180), (62, 13243), (87, 13339), (97, 13387), (99, 13393), (111, 13441), (127, 13513), (134, 13543), (137, 13546), (141, 13564), (156, 13624), (163, 13645), (184, 13711), (215, 13852), (216, 13855),

Gene: Hashim76_18 Start: 12742, Stop: 13515, Start Num: 33

Candidate Starts for Hashim76_18:

(Start: 27 @12730 has 2 MA's), (33, 12742), (62, 12850), (63, 12856), (83, 12928), (98, 12994), (111, 13045), (141, 13186), (192, 13366), (204, 13408), (212, 13450), (225, 13498),

Gene: Heath_13 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Heath_13:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (141, 13805), (152, 13847), (184, 13943), (185, 13946), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: Heathcliff_15 Start: 13102, Stop: 13911, Start Num: 20

Candidate Starts for Heathcliff_15:

(Start: 20 @13102 has 44 MA's), (46, 13165), (62, 13228), (87, 13324), (97, 13372), (99, 13378), (111, 13426), (127, 13498), (134, 13528), (137, 13531), (141, 13549), (156, 13609), (163, 13630), (184, 13696), (215, 13837), (216, 13840),

Gene: Hedgerow_16 Start: 14634, Stop: 15452, Start Num: 13

Candidate Starts for Hedgerow_16:

(Start: 13 @14634 has 33 MA's), (62, 14778), (83, 14859), (96, 14913), (97, 14919), (112, 14979), (122, 15018), (129, 15057), (141, 15096), (170, 15192), (184, 15240), (192, 15282), (202, 15318), (216, 15384),

Gene: Held_13 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Held_13:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Hendrix_59 Start: 32358, Stop: 33179, Start Num: 22

Candidate Starts for Hendrix_59:

(Start: 22 @32358 has 393 MA's), (Start: 49 @32430 has 6 MA's), (58, 32460), (Start: 61 @32475 has 2 MA's), (70, 32511), (108, 32646), (110, 32652), (183, 32931), (206, 33036), (230, 33138),

Gene: HenryJackson_12 Start: 11312, Stop: 12115, Start Num: 22

Candidate Starts for HenryJackson_12:

(Start: 22 @11312 has 393 MA's), (33, 11333), (37, 11345), (40, 11357), (83, 11519), (99, 11588), (111, 11636), (127, 11708), (140, 11753), (144, 11777), (158, 11828), (182, 11882), (192, 11939), (203, 11978),

Gene: Hermeonysus_27 Start: 15576, Stop: 16406, Start Num: 22

Candidate Starts for Hermeonysus_27:

(Start: 22 @15576 has 393 MA's), (Start: 61 @15687 has 2 MA's), (Start: 80 @15759 has 1 MA's), (99, 15819), (129, 15969), (135, 15996), (140, 16020), (142, 16035), (153, 16074), (155, 16083), (157, 16095), (210, 16317), (224, 16371),

Gene: Hertubise_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Hertubise_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Hetaeria_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Hetaeria_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: HighStump_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for HighStump_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Hocus_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Hocus_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Holeinone_16 Start: 14534, Stop: 15352, Start Num: 13

Candidate Starts for Holeinone_16:

(Start: 13 @14534 has 33 MA's), (62, 14678), (96, 14813), (97, 14819), (112, 14879), (122, 14918), (129, 14957), (141, 14996), (170, 15092), (184, 15140), (192, 15182), (202, 15218), (216, 15284),

Gene: Honeyfin_29 Start: 15892, Stop: 16722, Start Num: 22

Candidate Starts for Honeyfin_29:

(Start: 22 @15892 has 393 MA's), (Start: 61 @16003 has 2 MA's), (Start: 80 @16075 has 1 MA's), (99, 16135), (129, 16285), (135, 16312), (140, 16336), (142, 16351), (153, 16390), (155, 16399), (157, 16411), (210, 16633), (224, 16687),

Gene: Horchata_13 Start: 11601, Stop: 12404, Start Num: 22

Candidate Starts for Horchata_13:

(Start: 22 @11601 has 393 MA's), (33, 11622), (37, 11634), (40, 11646), (83, 11808), (99, 11877), (111, 11925), (127, 11997), (140, 12042), (144, 12066), (158, 12117), (182, 12171), (192, 12228), (203, 12267),

Gene: Hosp_09 Start: 10034, Stop: 10801, Start Num: 22

Candidate Starts for Hosp_09:

(Start: 22 @10034 has 393 MA's), (33, 10055), (97, 10295), (116, 10370), (136, 10451), (184, 10610), (187, 10628), (206, 10706), (212, 10736),

Gene: Hydro_13 Start: 13343, Stop: 14137, Start Num: 22

Candidate Starts for Hydro_13:

(Start: 22 @13343 has 393 MA's), (33, 13364), (37, 13376), (62, 13475), (97, 13613), (111, 13667), (116, 13688), (121, 13709), (123, 13715), (127, 13739), (141, 13802), (152, 13844), (184, 13940), (192, 13982), (204, 14024), (212, 14066), (225, 14114),

Gene: Hyperion_25 Start: 16168, Stop: 16902, Start Num: 25

Candidate Starts for Hyperion_25:

(Start: 19 @16159 has 1 MA's), (Start: 25 @16168 has 39 MA's), (48, 16228), (100, 16420), (142, 16582), (149, 16609), (155, 16630), (161, 16651), (174, 16678), (175, 16681), (183, 16717), (188, 16750), (194, 16777),

Gene: ImtiyazSitla_12 Start: 11149, Stop: 11946, Start Num: 22

Candidate Starts for ImtiyazSitla_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: Imvubu_10 Start: 10724, Stop: 11518, Start Num: 25

Candidate Starts for Imvubu_10:

(Start: 25 @10724 has 39 MA's), (37, 10748), (75, 10889), (99, 10988), (122, 11081), (123, 11084), (129, 11135), (141, 11183), (151, 11222), (159, 11252), (187, 11339), (192, 11363),

Gene: Inchworm_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Inchworm_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Indlovu_13 Start: 13063, Stop: 13839, Start Num: 26

Candidate Starts for Indlovu_13:

(Start: 26 @13063 has 1 MA's), (33, 13075), (122, 13423), (146, 13531), (170, 13600), (184, 13648), (190, 13684), (192, 13690), (202, 13726), (216, 13792), (225, 13822),

Gene: Inspectinfecti_23 Start: 17760, Stop: 18590, Start Num: 12

Candidate Starts for Inspectinfecti_23:

(Start: 12 @17760 has 14 MA's), (14, 17766), (31, 17793), (32, 17799), (Start: 49 @17853 has 6 MA's), (99, 18024), (100, 18036), (120, 18111), (129, 18159), (153, 18261), (172, 18315), (184, 18360), (189, 18417), (213, 18528),

Gene: Inverness_13 Start: 11604, Stop: 12407, Start Num: 22

Candidate Starts for Inverness_13:

(Start: 22 @11604 has 393 MA's), (33, 11625), (37, 11637), (40, 11649), (83, 11811), (99, 11880), (111, 11928), (127, 12000), (140, 12045), (144, 12069), (158, 12120), (182, 12174), (192, 12231), (203, 12270),

Gene: Iridoclysis_13 Start: 11606, Stop: 12403, Start Num: 22

Candidate Starts for Iridoclysis_13:

(Start: 22 @11606 has 393 MA's), (33, 11627), (37, 11639), (40, 11651), (83, 11813), (99, 11882), (111, 11930), (127, 12002), (140, 12047), (144, 12071), (158, 12122), (182, 12176), (192, 12233), (203, 12272),

Gene: IsaacEli_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for IsaacEli_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229),

(203, 12268),

Gene: ItsyBitsy1_16 Start: 14526, Stop: 15344, Start Num: 13

Candidate Starts for ItsyBitsy1_16:

(Start: 13 @14526 has 33 MA's), (62, 14670), (83, 14751), (96, 14805), (97, 14811), (112, 14871), (122, 14910), (129, 14949), (141, 14988), (170, 15084), (184, 15132), (192, 15174), (202, 15210), (216, 15276),

Gene: JAMaL_13 Start: 13517, Stop: 14314, Start Num: 22

Candidate Starts for JAMaL_13:

(Start: 22 @13517 has 393 MA's), (33, 13535), (36, 13544), (50, 13601), (62, 13646), (97, 13784), (111, 13838), (116, 13859), (121, 13880), (123, 13886), (152, 14015), (182, 14102), (184, 14117), (187, 14135), (192, 14159), (204, 14201), (212, 14243), (225, 14291),

Gene: JDog_12 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for JDog_12:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: JKSyngboy_20 Start: 17230, Stop: 18057, Start Num: 15

Candidate Starts for JKSyngboy_20:

(Start: 15 @17230 has 44 MA's), (18, 17239), (59, 17341), (93, 17455), (120, 17572), (129, 17620), (140, 17671), (153, 17725), (169, 17776), (176, 17794), (184, 17824), (186, 17845), (189, 17881), (197, 17911), (213, 17992), (217, 18010), (220, 18025),

Gene: Jabberwocky_19 Start: 17005, Stop: 17835, Start Num: 15

Candidate Starts for Jabberwocky_19:

(Start: 15 @17005 has 44 MA's), (18, 17014), (59, 17119), (86, 17209), (99, 17263), (104, 17287), (120, 17350), (129, 17398), (135, 17425), (169, 17554), (184, 17602), (189, 17659), (195, 17683), (197, 17689), (210, 17758), (213, 17770), (217, 17788), (220, 17803),

Gene: JacAttac_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for JacAttac_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Jackstina_14 Start: 13066, Stop: 13875, Start Num: 20

Candidate Starts for Jackstina_14:

(Start: 20 @13066 has 44 MA's), (46, 13129), (62, 13192), (87, 13288), (97, 13336), (99, 13342), (111, 13390), (127, 13462), (134, 13492), (137, 13495), (141, 13513), (156, 13573), (163, 13594), (184, 13660), (215, 13801), (216, 13804),

Gene: JaguarMi_14 Start: 13170, Stop: 13970, Start Num: 22

Candidate Starts for JaguarMi_14:

(Start: 22 @13170 has 393 MA's), (33, 13191), (37, 13203), (50, 13257), (62, 13302), (97, 13440), (111, 13494), (116, 13515), (121, 13536), (123, 13542), (152, 13671), (158, 13698), (184, 13773), (185, 13776), (192, 13815), (204, 13857), (212, 13899), (225, 13947),

Gene: JakeO_12 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for JakeO_12:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932),

(203, 11971),

Gene: Jambalaya_20 Start: 13611, Stop: 14423, Start Num: 22

Candidate Starts for Jambalaya_20:

(Start: 22 @13611 has 393 MA's), (53, 13692), (96, 13842), (129, 13989), (137, 14025), (167, 14139), (226, 14409),

Gene: JangoPhett_13 Start: 11600, Stop: 12397, Start Num: 22

Candidate Starts for JangoPhett_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Jayden_29 Start: 15412, Stop: 16566, Start Num: 22

Candidate Starts for Jayden_29:

(Start: 22 @15412 has 393 MA's), (60, 15514), (Start: 61 @15523 has 2 MA's), (63, 15532), (Start: 80 @15595 has 1 MA's), (99, 15655), (104, 15682), (128, 15787), (142, 15868), (153, 15907), (155, 15916), (200, 16072), (210, 16126), (231, 16213), (236, 16252), (239, 16414), (240, 16516), (242, 16552), (243, 16558),

Gene: Jefe_28 Start: 15629, Stop: 16459, Start Num: 22

Candidate Starts for Jefe_28:

(Start: 22 @15629 has 393 MA's), (Start: 61 @15740 has 2 MA's), (Start: 80 @15812 has 1 MA's), (99, 15872), (129, 16022), (135, 16049), (140, 16073), (142, 16088), (153, 16127), (155, 16136), (157, 16148), (210, 16370), (224, 16424),

Gene: Jehoshaphat_28 Start: 16624, Stop: 17358, Start Num: 25

Candidate Starts for Jehoshaphat_28:

(Start: 19 @16615 has 1 MA's), (Start: 25 @16624 has 39 MA's), (48, 16684), (74, 16777), (100, 16876), (142, 17038), (155, 17086), (161, 17107), (188, 17206),

Gene: Jeon_10 Start: 12718, Stop: 13494, Start Num: 22

Candidate Starts for Jeon_10:

(Start: 22 @12718 has 393 MA's), (37, 12739), (38, 12742), (43, 12760), (51, 12793), (63, 12847), (65, 12853), (75, 12886), (111, 13033), (117, 13057), (118, 13063), (139, 13147), (161, 13231), (177, 13273), (202, 13378), (205, 13384), (216, 13444),

Gene: Jillium_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Jillium_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Jiminy_12 Start: 11157, Stop: 11954, Start Num: 22

Candidate Starts for Jiminy_12:

(Start: 22 @11157 has 393 MA's), (33, 11178), (37, 11190), (40, 11202), (83, 11364), (99, 11433), (111, 11481), (127, 11553), (140, 11598), (144, 11622), (158, 11673), (182, 11727), (192, 11784), (203, 11823),

Gene: Jiraiya_13 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for Jiraiya_13:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932),

(203, 11971),

Gene: Jolie1_011 Start: 11815, Stop: 12582, Start Num: 22

Candidate Starts for Jolie1_011:

(Start: 22 @11815 has 393 MA's), (33, 11836), (116, 12151), (136, 12232), (141, 12253), (184, 12391), (187, 12409), (206, 12487), (212, 12517),

Gene: Jollipop_28 Start: 15974, Stop: 16804, Start Num: 22

Candidate Starts for Jollipop_28:

(Start: 22 @15974 has 393 MA's), (Start: 61 @16085 has 2 MA's), (Start: 80 @16157 has 1 MA's), (99, 16217), (129, 16367), (135, 16394), (140, 16418), (142, 16433), (153, 16472), (155, 16481), (157, 16493), (210, 16715), (224, 16769),

Gene: Judebell_28 Start: 16165, Stop: 16899, Start Num: 25

Candidate Starts for Judebell_28:

(Start: 19 @16156 has 1 MA's), (Start: 25 @16165 has 39 MA's), (48, 16225), (100, 16417), (142, 16579), (155, 16627), (161, 16648), (188, 16747),

Gene: KLucky39_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for KLucky39_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Kahve_12 Start: 11312, Stop: 12115, Start Num: 22

Candidate Starts for Kahve_12:

(Start: 22 @11312 has 393 MA's), (33, 11333), (37, 11345), (40, 11357), (83, 11519), (99, 11588), (111, 11636), (127, 11708), (140, 11753), (144, 11777), (158, 11828), (182, 11882), (192, 11939), (203, 11978),

Gene: KaiHaiDragon_28 Start: 15568, Stop: 16398, Start Num: 22

Candidate Starts for KaiHaiDragon_28:

(Start: 22 @15568 has 393 MA's), (Start: 61 @15679 has 2 MA's), (Start: 80 @15751 has 1 MA's), (99, 15811), (129, 15961), (140, 16012), (142, 16027), (153, 16066), (155, 16075), (157, 16087), (210, 16309), (224, 16363),

Gene: Kailash_13 Start: 11611, Stop: 12408, Start Num: 22

Candidate Starts for Kailash_13:

(Start: 22 @11611 has 393 MA's), (33, 11632), (37, 11644), (40, 11656), (99, 11887), (111, 11935), (127, 12007), (140, 12052), (144, 12076), (158, 12127), (182, 12181), (192, 12238), (203, 12277),

Gene: Kaleb_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for Kaleb_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: Kamashten_22 Start: 17689, Stop: 18519, Start Num: 15

Candidate Starts for Kamashten_22:

(Start: 15 @17689 has 44 MA's), (18, 17698), (59, 17803), (86, 17893), (99, 17947), (104, 17971), (120, 18034), (129, 18082), (135, 18109), (169, 18238), (184, 18286), (189, 18343), (195, 18367), (197, 18373), (210, 18442), (213, 18454), (217, 18472), (220, 18487),

Gene: Kamiyu_15 Start: 13111, Stop: 13920, Start Num: 20

Candidate Starts for Kamiyu_15:

(Start: 20 @13111 has 44 MA's), (46, 13174), (62, 13237), (87, 13333), (97, 13381), (99, 13387), (111, 13435), (127, 13507), (134, 13537), (141, 13558), (156, 13618), (163, 13639), (184, 13705), (215, 13846), (216, 13849),

Gene: Katniss_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for Katniss_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: KayaCho_11 Start: 11827, Stop: 12594, Start Num: 22

Candidate Starts for KayaCho_11:

(Start: 22 @11827 has 393 MA's), (33, 11848), (116, 12163), (136, 12244), (185, 12406), (204, 12487), (212, 12529),

Gene: Keitabear_23 Start: 19226, Stop: 20056, Start Num: 15

Candidate Starts for Keitabear_23:

(Start: 15 @19226 has 44 MA's), (18, 19235), (59, 19340), (71, 19388), (86, 19430), (93, 19454), (104, 19508), (120, 19571), (129, 19619), (135, 19646), (169, 19775), (184, 19823), (189, 19880), (195, 19904), (197, 19910), (210, 19979), (213, 19991), (217, 20009), (220, 20024),

Gene: Keitherie_13 Start: 11616, Stop: 12413, Start Num: 22

Candidate Starts for Keitherie_13:

(Start: 22 @11616 has 393 MA's), (33, 11637), (37, 11649), (40, 11661), (83, 11823), (99, 11892), (111, 11940), (127, 12012), (140, 12057), (144, 12081), (158, 12132), (182, 12186), (192, 12243), (203, 12282),

Gene: Kelcole_24 Start: 14867, Stop: 15604, Start Num: 25

Candidate Starts for Kelcole_24:

(Start: 19 @14858 has 1 MA's), (Start: 25 @14867 has 39 MA's), (78, 15038), (122, 15194), (153, 15317), (155, 15326), (160, 15344), (183, 15416), (192, 15470), (213, 15563),

Gene: Kewpiedoll_22 Start: 17077, Stop: 17907, Start Num: 15

Candidate Starts for Kewpiedoll_22:

(Start: 15 @17077 has 44 MA's), (18, 17086), (59, 17191), (86, 17281), (93, 17305), (99, 17335), (104, 17359), (120, 17422), (129, 17470), (135, 17497), (169, 17626), (184, 17674), (189, 17731), (197, 17761), (210, 17830), (213, 17842), (217, 17860), (220, 17875),

Gene: Kheth_16 Start: 14535, Stop: 15353, Start Num: 13

Candidate Starts for Kheth_16:

(Start: 13 @14535 has 33 MA's), (62, 14679), (83, 14760), (96, 14814), (97, 14820), (112, 14880), (122, 14919), (129, 14958), (141, 14997), (170, 15093), (184, 15141), (192, 15183), (202, 15219), (216, 15285),

Gene: Kikipoo_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Kikipoo_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Kimbrough_13 Start: 11312, Stop: 12115, Start Num: 22

Candidate Starts for Kimbrough_13:

(Start: 22 @11312 has 393 MA's), (33, 11333), (37, 11345), (40, 11357), (83, 11519), (99, 11588), (111, 11636), (127, 11708), (140, 11753), (144, 11777), (158, 11828), (182, 11882), (192, 11939), (203, 11978),

Gene: KimmyK_22 Start: 14500, Stop: 15312, Start Num: 22

Candidate Starts for KimmyK_22:

(Start: 22 @14500 has 393 MA's), (53, 14581), (96, 14731), (129, 14878), (137, 14914), (167, 15028), (226, 15298),

Gene: KingTut_12 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for KingTut_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: KingVeVeVe_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for KingVeVeVe_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: KlimbOn_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for KlimbOn_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Kloppinator_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Kloppinator_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Knocker_18 Start: 15870, Stop: 16694, Start Num: 22

Candidate Starts for Knocker_18:

(Start: 22 @15870 has 393 MA's), (37, 15894), (45, 15927), (57, 15972), (73, 16029), (Start: 80 @16059 has 1 MA's), (82, 16068), (97, 16155), (99, 16161), (118, 16239), (131, 16302), (151, 16377), (168, 16425), (180, 16452), (192, 16527), (206, 16581), (212, 16611),

Gene: Kowalski_27 Start: 15684, Stop: 16514, Start Num: 22

Candidate Starts for Kowalski_27:

(Start: 22 @15684 has 393 MA's), (Start: 61 @15795 has 2 MA's), (Start: 80 @15867 has 1 MA's), (99, 15927), (129, 16077), (135, 16104), (140, 16128), (142, 16143), (153, 16182), (155, 16191), (157, 16203), (210, 16425), (224, 16479),

Gene: Kozie_24 Start: 15166, Stop: 16341, Start Num: 23

Candidate Starts for Kozie_24:

(Start: 23 @15166 has 1 MA's), (Start: 27 @15172 has 2 MA's), (Start: 49 @15235 has 6 MA's), (79, 15346), (128, 15550), (132, 15589), (183, 15766), (195, 15817), (216, 15919), (232, 15982), (237, 16144), (238, 16174), (241, 16291),

Gene: Kronus_14 Start: 13723, Stop: 14532, Start Num: 20

Candidate Starts for Kronus_14:

(Start: 20 @13723 has 44 MA's), (46, 13786), (62, 13849), (87, 13945), (97, 13993), (99, 13999), (111, 14047), (127, 14119), (134, 14149), (141, 14170), (156, 14230), (163, 14251), (184, 14317), (215, 14458), (216, 14461),

Gene: Kroos_22 Start: 17329, Stop: 18156, Start Num: 15

Candidate Starts for Kroos_22:

(Start: 15 @17329 has 44 MA's), (18, 17338), (59, 17440), (64, 17467), (86, 17530), (93, 17554), (120, 17671), (129, 17719), (140, 17770), (153, 17824), (169, 17875), (176, 17893), (184, 17923), (186, 17944), (189, 17980), (197, 18010), (213, 18091), (217, 18109), (220, 18124),

Gene: Kwadwo_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Kwadwo_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Kwekel_21 Start: 15688, Stop: 16518, Start Num: 12

Candidate Starts for Kwekel_21:

(Start: 12 @15688 has 14 MA's), (Start: 49 @15778 has 6 MA's), (69, 15856), (115, 16018), (125, 16060), (129, 16087), (145, 16162), (153, 16189), (169, 16240), (195, 16369), (197, 16375), (202, 16396), (213, 16456), (216, 16471),

Gene: Kwksand96_12 Start: 11155, Stop: 11958, Start Num: 22

Candidate Starts for Kwksand96_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (83, 11362), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: Kwobi_22 Start: 17311, Stop: 18138, Start Num: 15

Candidate Starts for Kwobi_22:

(Start: 15 @17311 has 44 MA's), (18, 17320), (59, 17422), (86, 17512), (120, 17653), (129, 17701), (140, 17752), (153, 17806), (169, 17857), (176, 17875), (184, 17905), (186, 17926), (189, 17962), (197, 17992), (213, 18073), (217, 18091), (220, 18106),

Gene: Kyva_28 Start: 16416, Stop: 17150, Start Num: 25

Candidate Starts for Kyva_28:

(Start: 19 @16407 has 1 MA's), (Start: 25 @16416 has 39 MA's), (48, 16476), (100, 16668), (142, 16830), (149, 16857), (155, 16878), (161, 16899), (174, 16926), (175, 16929), (183, 16965), (188, 16998), (194, 17025),

Gene: Labeouficaum_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Labeouficaum_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Lars_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for Lars_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: LasagnaCat_13 Start: 11611, Stop: 12408, Start Num: 22

Candidate Starts for LasagnaCat_13:

(Start: 22 @11611 has 393 MA's), (33, 11632), (37, 11644), (40, 11656), (83, 11818), (99, 11887), (111, 11935), (127, 12007), (140, 12052), (144, 12076), (158, 12127), (182, 12181), (192, 12238), (203, 12277),

Gene: Lasso_13 Start: 11593, Stop: 12396, Start Num: 22

Candidate Starts for Lasso_13:

(Start: 22 @11593 has 393 MA's), (33, 11614), (37, 11626), (40, 11638), (83, 11800), (99, 11869), (111, 11917), (127, 11989), (140, 12034), (144, 12058), (158, 12109), (182, 12163), (192, 12220), (203, 12259),

Gene: Laurie_16 Start: 14530, Stop: 15348, Start Num: 13

Candidate Starts for Laurie_16:

(Start: 13 @14530 has 33 MA's), (62, 14674), (63, 14680), (96, 14809), (97, 14815), (112, 14875), (122, 14914), (129, 14953), (141, 14992), (170, 15088), (184, 15136), (192, 15178), (202, 15214), (216, 15280),

Gene: Leaf_62 Start: 32410, Stop: 33225, Start Num: 22

Candidate Starts for Leaf_62:

(Start: 22 @32410 has 393 MA's), (Start: 49 @32482 has 6 MA's), (Start: 61 @32524 has 2 MA's), (88, 32614), (90, 32623), (133, 32800), (157, 32899), (184, 32977), (196, 33028),

Gene: LeeLot_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for LeeLot_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Lego3393_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Lego3393_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Legolas_12 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Legolas_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: LeiMonet_13 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for LeiMonet_13:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: LemonSlice_13 Start: 11313, Stop: 12116, Start Num: 22

Candidate Starts for LemonSlice_13:

(Start: 22 @11313 has 393 MA's), (33, 11334), (37, 11346), (40, 11358), (83, 11520), (99, 11589), (111, 11637), (127, 11709), (140, 11754), (144, 11778), (158, 11829), (182, 11883), (192, 11940), (203, 11979),

Gene: Lennon_23 Start: 18329, Stop: 19159, Start Num: 15

Candidate Starts for Lennon_23:

(Start: 15 @18329 has 44 MA's), (18, 18338), (59, 18443), (86, 18533), (93, 18557), (99, 18587), (104, 18611), (120, 18674), (129, 18722), (135, 18749), (169, 18878), (184, 18926), (189, 18983), (195, 19007), (197, 19013), (210, 19082), (213, 19094), (217, 19112), (220, 19127),

Gene: Leonard_22 Start: 17355, Stop: 18185, Start Num: 12

Candidate Starts for Leonard_22:

(Start: 12 @17355 has 14 MA's), (14, 17361), (31, 17388), (32, 17394), (Start: 49 @17448 has 6 MA's), (99, 17619), (100, 17631), (120, 17706), (129, 17754), (153, 17856), (172, 17910), (182, 17940), (184, 17955), (189, 18012), (213, 18123),

Gene: Lephleur_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Lephleur_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: LestyG_15 Start: 13144, Stop: 13953, Start Num: 20

Candidate Starts for LestyG_15:

(Start: 20 @13144 has 44 MA's), (46, 13207), (62, 13270), (87, 13366), (97, 13414), (99, 13420), (111, 13468), (127, 13540), (134, 13570), (137, 13573), (141, 13591), (156, 13651), (163, 13672), (184, 13738), (215, 13879), (216, 13882),

Gene: Ligma_12 Start: 11636, Stop: 12418, Start Num: 22

Candidate Starts for Ligma_12:

(Start: 22 @11636 has 393 MA's), (30, 11648), (51, 11726), (192, 12272), (195, 12287), (202, 12308), (211, 12350), (212, 12356), (222, 12395),

Gene: LilHam_19 Start: 15890, Stop: 16717, Start Num: 15

Candidate Starts for LilHam_19:

(Start: 15 @15890 has 44 MA's), (18, 15899), (59, 16001), (93, 16115), (120, 16232), (129, 16280), (140, 16331), (153, 16385), (169, 16436), (176, 16454), (184, 16484), (186, 16505), (189, 16541), (197, 16571), (213, 16652), (217, 16670), (220, 16685),

Gene: LilMcDreamy_14 Start: 14087, Stop: 14896, Start Num: 22

Candidate Starts for LilMcDreamy_14:

(Start: 22 @14087 has 393 MA's), (57, 14222), (62, 14240), (111, 14441), (116, 14462), (118, 14471), (123, 14489), (127, 14513), (184, 14705), (204, 14789), (212, 14831), (220, 14867),

Gene: Lilbeanie_19 Start: 12678, Stop: 13550, Start Num: 22

Candidate Starts for Lilbeanie_19:

(Start: 22 @12678 has 393 MA's), (99, 12936), (107, 12969), (118, 13014), (129, 13089), (141, 13146), (147, 13173), (153, 13194), (157, 13215), (161, 13224), (167, 13242), (169, 13245), (176, 13263), (178, 13266), (184, 13293), (197, 13386), (210, 13455), (217, 13485), (226, 13518),

Gene: LittleFortune_29 Start: 15934, Stop: 16764, Start Num: 22

Candidate Starts for LittleFortune_29:

(Start: 22 @15934 has 393 MA's), (Start: 61 @16045 has 2 MA's), (Start: 80 @16117 has 1 MA's), (99, 16177), (129, 16327), (135, 16354), (140, 16378), (142, 16393), (153, 16432), (155, 16441), (157, 16453), (200, 16621), (210, 16675), (224, 16729),

Gene: LittleMunchkin_13 Start: 12925, Stop: 13710, Start Num: 22

Candidate Starts for LittleMunchkin_13:

(Start: 22 @12925 has 393 MA's), (51, 13018), (56, 13042), (112, 13261), (125, 13315), (141, 13378), (155, 13432), (187, 13540), (195, 13579), (206, 13618), (216, 13666),

Gene: LizLemon_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for LizLemon_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (63, 14802), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: Llemily_26 Start: 15400, Stop: 16134, Start Num: 25

Candidate Starts for Llemily_26:

(Start: 19 @15391 has 1 MA's), (Start: 25 @15400 has 39 MA's), (48, 15460), (74, 15553), (100, 15652), (142, 15814), (155, 15862), (161, 15883), (188, 15982),

Gene: Lolalove_13 Start: 13343, Stop: 14137, Start Num: 22

Candidate Starts for Lolalove_13:

(Start: 22 @13343 has 393 MA's), (33, 13364), (37, 13376), (62, 13475), (97, 13613), (111, 13667), (116, 13688), (121, 13709), (123, 13715), (127, 13739), (141, 13802), (152, 13844), (184, 13940), (192, 13982), (204, 14024), (212, 14066), (225, 14114),

Gene: Lonelysoil_25 Start: 15645, Stop: 16379, Start Num: 25

Candidate Starts for Lonelysoil_25:

(Start: 19 @15636 has 1 MA's), (Start: 25 @15645 has 39 MA's), (48, 15705), (74, 15798), (100, 15897), (142, 16059), (155, 16107), (161, 16128), (188, 16227),

Gene: Longacauda_12 Start: 11305, Stop: 12102, Start Num: 22

Candidate Starts for Longacauda_12:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: Lopsy_12 Start: 11149, Stop: 11952, Start Num: 22

Candidate Starts for Lopsy_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (83, 11356), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: LostAndPhound_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for LostAndPhound_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Love_23 Start: 17204, Stop: 18034, Start Num: 15

Candidate Starts for Love_23:

(Start: 15 @17204 has 44 MA's), (18, 17213), (59, 17318), (86, 17408), (99, 17462), (104, 17486), (120, 17549), (129, 17597), (135, 17624), (141, 17654), (169, 17753), (184, 17801), (189, 17858), (195, 17882), (197, 17888), (210, 17957), (213, 17969), (217, 17987), (220, 18002),

Gene: LuckyMarjie_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for LuckyMarjie_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Lulumae_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Lulumae_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Lulwa_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Lulwa_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Lumine_12 Start: 11297, Stop: 12094, Start Num: 22

Candidate Starts for Lumine_12:

(Start: 22 @11297 has 393 MA's), (33, 11318), (37, 11330), (40, 11342), (99, 11573), (111, 11621), (127, 11693), (140, 11738), (144, 11762), (158, 11813), (182, 11867), (192, 11924), (203, 11963),

Gene: MRabcd_12 Start: 11306, Stop: 12109, Start Num: 22

Candidate Starts for MRabcd_12:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Mag7_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Mag7_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Magic8_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Magic8_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Magpie_13 Start: 13501, Stop: 14295, Start Num: 22

Candidate Starts for Magpie_13:

(Start: 22 @13501 has 393 MA's), (33, 13522), (62, 13633), (97, 13771), (111, 13825), (116, 13846), (121, 13867), (123, 13873), (141, 13960), (152, 14002), (184, 14098), (185, 14101), (192, 14140), (204, 14182), (212, 14224), (225, 14272),

Gene: MakoManhole_14 Start: 13114, Stop: 13887, Start Num: 22

Candidate Starts for MakoManhole_14:

(Start: 22 @13114 has 393 MA's), (62, 13246), (123, 13477), (139, 13543), (141, 13552), (184, 13696), (212, 13822), (215, 13837),

Gene: Mana_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Mana_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Manad_12 Start: 11153, Stop: 11956, Start Num: 22

Candidate Starts for Manad_12:

(Start: 22 @11153 has 393 MA's), (33, 11174), (37, 11186), (40, 11198), (83, 11360), (99, 11429), (111, 11477), (127, 11549), (140, 11594), (144, 11618), (158, 11669), (182, 11723), (192, 11780), (203, 11819),

Gene: Mao1_10 Start: 10771, Stop: 11619, Start Num: 22

Candidate Starts for Mao1_10:

(Start: 22 @10771 has 393 MA's), (34, 10786), (62, 10897), (65, 10909), (75, 10942), (99, 11044), (111, 11092), (123, 11140), (127, 11164), (139, 11206), (144, 11233), (168, 11308), (173, 11314), (182, 11344), (184, 11359), (187, 11377), (204, 11443), (206, 11455), (211, 11479), (215, 11500), (225, 11533),

Gene: Marcie_30 Start: 15548, Stop: 16285, Start Num: 25

Candidate Starts for Marcie_30:

(Start: 19 @15539 has 1 MA's), (Start: 25 @15548 has 39 MA's), (78, 15719), (122, 15875), (153, 15998), (155, 16007), (160, 16025), (183, 16097), (211, 16235), (213, 16244),

Gene: Margaery_23 Start: 15201, Stop: 15968, Start Num: 49

Candidate Starts for Margaery_23:

(1, 14967), (2, 14985), (3, 15018), (Start: 23 @15132 has 1 MA's), (Start: 49 @15201 has 6 MA's), (109, 15423), (128, 15516), (132, 15555), (153, 15639), (155, 15648), (183, 15732), (192, 15768), (195, 15783), (216, 15885), (227, 15930), (235, 15957),

Gene: Mariokart_12 Start: 11678, Stop: 12469, Start Num: 22

Candidate Starts for Mariokart_12:

(Start: 22 @11678 has 393 MA's), (37, 11714), (51, 11768), (65, 11834), (101, 11972), (141, 12128), (184, 12272), (202, 12350), (215, 12413),

Gene: Marley1013_15 Start: 13924, Stop: 14733, Start Num: 20

Candidate Starts for Marley1013_15:

(Start: 20 @13924 has 44 MA's), (46, 13987), (62, 14050), (87, 14146), (97, 14194), (99, 14200), (111, 14248), (127, 14320), (134, 14350), (141, 14371), (156, 14431), (163, 14452), (184, 14518), (215, 14659), (216, 14662),

Gene: Maru_12 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Maru_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Mashley_24 Start: 15979, Stop: 16713, Start Num: 25

Candidate Starts for Mashley_24:

(Start: 19 @15970 has 1 MA's), (Start: 25 @15979 has 39 MA's), (48, 16039), (100, 16231), (142, 16393), (149, 16420), (155, 16441), (161, 16462), (174, 16489), (175, 16492), (183, 16528), (188, 16561), (194, 16588),

Gene: Mask_11 Start: 10772, Stop: 11620, Start Num: 22

Candidate Starts for Mask_11:

(Start: 22 @10772 has 393 MA's), (34, 10787), (62, 10898), (65, 10910), (75, 10943), (99, 11045), (111, 11093), (123, 11141), (127, 11165), (139, 11207), (144, 11234), (168, 11309), (173, 11315), (182, 11345), (184, 11360), (187, 11378), (204, 11444), (206, 11456), (211, 11480), (215, 11501), (225, 11534),

Gene: Maskar_12 Start: 11149, Stop: 11946, Start Num: 22

Candidate Starts for Maskar_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: MasterPo_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for MasterPo_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: Matalotodo_12 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Matalotodo_12:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Matzah_24 Start: 15224, Stop: 15985, Start Num: 49

Candidate Starts for Matzah_24:

(Start: 23 @15155 has 1 MA's), (Start: 49 @15224 has 6 MA's), (92, 15377), (128, 15539), (142, 15623), (153, 15662), (155, 15671), (183, 15755), (184, 15758), (192, 15791), (195, 15806), (201, 15830), (209, 15878), (216, 15908), (219, 15917), (227, 15953),

Gene: McKinley_22 Start: 17230, Stop: 18060, Start Num: 15

Candidate Starts for McKinley_22:

(Start: 15 @17230 has 44 MA's), (18, 17239), (59, 17344), (86, 17434), (99, 17488), (104, 17512), (120, 17575), (129, 17623), (135, 17650), (141, 17680), (169, 17779), (184, 17827), (189, 17884), (195, 17908), (197, 17914), (210, 17983), (213, 17995), (217, 18013), (220, 18028),

Gene: Mcshane_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Mcshane_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Mecca_12 Start: 11306, Stop: 12103, Start Num: 22

Candidate Starts for Mecca_12:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Megabear_10 Start: 12673, Stop: 13449, Start Num: 22

Candidate Starts for Megabear_10:

(Start: 22 @12673 has 393 MA's), (37, 12694), (38, 12697), (43, 12715), (51, 12748), (63, 12802), (65, 12808), (75, 12841), (111, 12988), (117, 13012), (118, 13018), (139, 13102), (161, 13186), (177, 13228), (202, 13333), (205, 13339), (216, 13399),

Gene: Megamind20_13 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Megamind20_13:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Megan_22 Start: 16905, Stop: 17714, Start Num: 22

Candidate Starts for Megan_22:

(Start: 22 @16905 has 393 MA's), (60, 17007), (79, 17085), (Start: 80 @17088 has 1 MA's), (99, 17148), (132, 17322), (142, 17364), (153, 17403), (155, 17412), (184, 17499), (210, 17622),

Gene: Megatron_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Megatron_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: MelBins_23 Start: 17556, Stop: 18386, Start Num: 12

Candidate Starts for MelBins_23:

(Start: 12 @17556 has 14 MA's), (14, 17562), (31, 17589), (32, 17595), (Start: 49 @17649 has 6 MA's), (99, 17820), (100, 17832), (129, 17955), (153, 18057), (172, 18111), (182, 18141), (184, 18156), (189, 18213), (213, 18324),

Gene: Melc17_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Melc17_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: MelsMeow_12 Start: 11155, Stop: 11952, Start Num: 22

Candidate Starts for MelsMeow_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: MementoMori_24 Start: 14946, Stop: 15707, Start Num: 49

Candidate Starts for MementoMori_24:

(Start: 23 @14877 has 1 MA's), (Start: 49 @14946 has 6 MA's), (92, 15099), (128, 15261), (132, 15300), (142, 15345), (153, 15384), (155, 15393), (183, 15477), (184, 15480), (192, 15513), (195, 15528), (201, 15552), (209, 15600), (216, 15630), (219, 15639), (227, 15675), (234, 15696),

Gene: Mesh1_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Mesh1_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Metamorphoo_28 Start: 15526, Stop: 16338, Start Num: 22

Candidate Starts for Metamorphoo_28:

(Start: 22 @15526 has 393 MA's), (60, 15628), (Start: 61 @15637 has 2 MA's), (63, 15646), (79, 15706), (Start: 80 @15709 has 1 MA's), (99, 15769), (128, 15904), (132, 15943), (153, 16027), (155, 16036), (200, 16192), (210, 16246), (224, 16300), (229, 16327),

Gene: MichaelPhcott_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for MichaelPhcott_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Mikota_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Mikota_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: MiniBoss_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for MiniBoss_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: MitKao_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for MitKao_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Mithril_13 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Mithril_13:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (127, 13742), (141, 13805), (152, 13847), (184, 13943), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: MmasiCarm_15 Start: 13137, Stop: 13946, Start Num: 20

Candidate Starts for MmasiCarm_15:

(Start: 20 @13137 has 44 MA's), (46, 13200), (62, 13263), (87, 13359), (97, 13407), (99, 13413), (111, 13461), (127, 13533), (134, 13563), (141, 13584), (156, 13644), (163, 13665), (184, 13731), (215, 13872), (216, 13875),

Gene: MoontowerMania_20 Start: 16210, Stop: 17040, Start Num: 15

Candidate Starts for MoontowerMania_20:

(Start: 15 @16210 has 44 MA's), (18, 16219), (59, 16324), (86, 16414), (99, 16468), (104, 16492), (120, 16555), (129, 16603), (135, 16630), (141, 16660), (169, 16759), (184, 16807), (189, 16864), (195, 16888), (197, 16894), (210, 16963), (213, 16975), (217, 16993), (220, 17008),

Gene: Morgushi_13 Start: 11307, Stop: 12110, Start Num: 22

Candidate Starts for Morgushi_13:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Mortcellus_14 Start: 13778, Stop: 14587, Start Num: 20

Candidate Starts for Mortcellus_14:

(Start: 20 @13778 has 44 MA's), (46, 13841), (62, 13904), (87, 14000), (97, 14048), (99, 14054), (111, 14102), (127, 14174), (134, 14204), (141, 14225), (156, 14285), (163, 14306), (184, 14372), (215, 14513), (216, 14516),

Gene: Morty_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Morty_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Morty007_15 Start: 13924, Stop: 14733, Start Num: 20

Candidate Starts for Morty007_15:

(Start: 20 @13924 has 44 MA's), (46, 13987), (62, 14050), (87, 14146), (97, 14194), (99, 14200), (111, 14248), (127, 14320), (134, 14350), (141, 14371), (156, 14431), (163, 14452), (184, 14518), (215, 14659), (216, 14662),

Gene: Mosaic_12 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Mosaic_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: MossRose_14 Start: 13114, Stop: 13887, Start Num: 22

Candidate Starts for MossRose_14:

(Start: 22 @13114 has 393 MA's), (62, 13246), (123, 13477), (139, 13543), (141, 13552), (184, 13696), (212, 13822), (215, 13837),

Gene: MrPhizzler_12 Start: 11302, Stop: 12105, Start Num: 22

Candidate Starts for MrPhizzler_12:

(Start: 22 @11302 has 393 MA's), (33, 11323), (37, 11335), (40, 11347), (83, 11509), (99, 11578), (111, 11626), (127, 11698), (140, 11743), (144, 11767), (158, 11818), (182, 11872), (192, 11929), (203, 11968),

Gene: Mudslide_13 Start: 13594, Stop: 14388, Start Num: 22

Candidate Starts for Mudslide_13:

(Start: 22 @13594 has 393 MA's), (33, 13615), (37, 13627), (62, 13726), (97, 13864), (111, 13918), (116, 13939), (121, 13960), (123, 13966), (127, 13990), (141, 14053), (152, 14095), (184, 14191), (185, 14194), (192, 14233), (204, 14275), (212, 14317), (225, 14365),

Gene: Mulan_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Mulan_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Murdoc_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Murdoc_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Mutante_12 Start: 11306, Stop: 12109, Start Num: 22

Candidate Starts for Mutante_12:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Mutzi_22 Start: 14224, Stop: 15036, Start Num: 22

Candidate Starts for Mutzi_22:

(Start: 22 @14224 has 393 MA's), (53, 14305), (96, 14455), (129, 14602), (137, 14638), (167, 14752), (226, 15022),

Gene: Mysterious_14 Start: 13592, Stop: 14398, Start Num: 22

Candidate Starts for Mysterious_14:

(Start: 22 @13592 has 393 MA's), (33, 13604), (54, 13682), (98, 13886), (99, 13889), (111, 13937), (116, 13958), (127, 14009), (142, 14072), (164, 14144), (184, 14201), (211, 14321),

Gene: NHagos_12 Start: 11599, Stop: 12372, Start Num: 22

Candidate Starts for NHagos_12:

(Start: 22 @11599 has 393 MA's), (37, 11629), (52, 11686), (62, 11731), (76, 11785), (141, 12037), (184, 12181), (211, 12301), (216, 12325),

Gene: Nacho_0013 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Nacho_0013:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Namago_26 Start: 15546, Stop: 16280, Start Num: 25

Candidate Starts for Namago_26:

(Start: 19 @15537 has 1 MA's), (Start: 25 @15546 has 39 MA's), (48, 15606), (100, 15798), (142, 15960), (149, 15987), (155, 16008), (161, 16029), (174, 16056), (175, 16059), (183, 16095), (188, 16128), (194, 16155),

Gene: Nanao_12 Start: 12252, Stop: 13046, Start Num: 22

Candidate Starts for Nanao_12:

(Start: 22 @12252 has 393 MA's), (33, 12273), (36, 12282), (50, 12339), (62, 12384), (97, 12522), (111, 12576), (116, 12597), (121, 12618), (123, 12624), (141, 12711), (152, 12753), (184, 12849), (187, 12867), (192, 12891), (204, 12933), (212, 12975), (225, 13023),

Gene: Nangang_14 Start: 13334, Stop: 14140, Start Num: 22

Candidate Starts for Nangang_14:

(Start: 22 @13334 has 393 MA's), (54, 13424), (98, 13628), (118, 13709), (127, 13751), (142, 13814), (146, 13826), (164, 13886), (184, 13943), (192, 13985), (211, 14063), (225, 14117),

Gene: Natkenzie_22 Start: 17540, Stop: 18364, Start Num: 21

Candidate Starts for Natkenzie_22:

(Start: 21 @17540 has 9 MA's), (Start: 49 @17612 has 6 MA's), (67, 17678), (89, 17753), (99, 17795), (114, 17852), (129, 17924), (133, 17945), (138, 17966), (153, 18026), (157, 18047), (165, 18068), (169, 18077), (178, 18098), (184, 18125), (189, 18182), (195, 18206), (197, 18212), (202, 18233), (212, 18290), (218, 18314),

Gene: Neos5_15 Start: 13930, Stop: 14739, Start Num: 20

Candidate Starts for Neos5_15:

(Start: 20 @13930 has 44 MA's), (46, 13993), (62, 14056), (87, 14152), (97, 14200), (99, 14206), (111, 14254), (127, 14326), (134, 14356), (141, 14377), (156, 14437), (163, 14458), (184, 14524), (215, 14665), (216, 14668),

Gene: Newman_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Newman_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Nicole21_13 Start: 11600, Stop: 12397, Start Num: 22

Candidate Starts for Nicole21_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Nicole72_23 Start: 17288, Stop: 18094, Start Num: 22

Candidate Starts for Nicole72_23:

(Start: 22 @17288 has 393 MA's), (68, 17432), (Start: 80 @17471 has 1 MA's), (98, 17528), (103, 17555), (128, 17663), (142, 17747), (153, 17786), (155, 17795), (192, 17915), (195, 17930), (200, 17951), (224, 18059),

Gene: Nigel_11 Start: 12164, Stop: 12961, Start Num: 22

Candidate Starts for Nigel_11:

(Start: 22 @12164 has 393 MA's), (33, 12182), (36, 12191), (50, 12248), (62, 12293), (97, 12431), (111, 12485), (116, 12506), (121, 12527), (123, 12533), (152, 12662), (182, 12749), (184, 12764), (187, 12782), (192, 12806), (204, 12848), (212, 12890), (225, 12938),

Gene: Nike_26 Start: 16444, Stop: 17178, Start Num: 25

Candidate Starts for Nike_26:

(Start: 19 @16435 has 1 MA's), (Start: 25 @16444 has 39 MA's), (48, 16504), (74, 16597), (100, 16696), (142, 16858), (155, 16906), (161, 16927), (188, 17026), (194, 17053),

Gene: NoodlelyBoi_28 Start: 16131, Stop: 16853, Start Num: 61

Candidate Starts for NoodlelyBoi_28:

(Start: 22 @16020 has 393 MA's), (Start: 61 @16131 has 2 MA's), (Start: 80 @16203 has 1 MA's), (104, 16290), (129, 16416), (135, 16443), (140, 16467), (142, 16482), (155, 16530), (157, 16542), (195, 16689), (200, 16710), (210, 16764), (224, 16818),

Gene: Nordenberg_16 Start: 15524, Stop: 16354, Start Num: 15

Candidate Starts for Nordenberg_16:

(Start: 15 @15524 has 44 MA's), (18, 15533), (59, 15638), (86, 15728), (99, 15782), (104, 15806), (120, 15869), (129, 15917), (135, 15944), (141, 15974), (169, 16073), (184, 16121), (189, 16178), (195, 16202), (197, 16208), (210, 16277), (213, 16289), (217, 16307), (220, 16322),

Gene: Nozo_15 Start: 13905, Stop: 14714, Start Num: 20

Candidate Starts for Nozo_15:

(Start: 20 @13905 has 44 MA's), (46, 13968), (62, 14031), (87, 14127), (97, 14175), (99, 14181), (111, 14229), (127, 14301), (134, 14331), (141, 14352), (156, 14412), (163, 14433), (184, 14499), (215, 14640), (216, 14643),

Gene: Nubi_20 Start: 13852, Stop: 14664, Start Num: 22

Candidate Starts for Nubi_20:

(Start: 22 @13852 has 393 MA's), (53, 13933), (96, 14083), (129, 14230), (137, 14266), (167, 14380), (226, 14650),

Gene: Numberten_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Numberten_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Nyala_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Nyala_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: OSmaximus_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for OSmaximus_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Obutu_15 Start: 13135, Stop: 13944, Start Num: 20

Candidate Starts for Obutu_15:

(Start: 20 @13135 has 44 MA's), (46, 13198), (62, 13261), (87, 13357), (97, 13405), (99, 13411), (111, 13459), (127, 13531), (134, 13561), (141, 13582), (156, 13642), (163, 13663), (184, 13729), (215, 13870), (216, 13873),

Gene: Olak_12 Start: 11307, Stop: 12104, Start Num: 22

Candidate Starts for Olak_12:

(Start: 22 @11307 has 393 MA's), (33, 11328), (37, 11340), (40, 11352), (83, 11514), (99, 11583), (111, 11631), (127, 11703), (140, 11748), (144, 11772), (158, 11823), (182, 11877), (192, 11934), (203, 11973),

Gene: Oline_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Oline_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (83, 11368), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Olive_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Olive_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: OliverWalter_13 Start: 11598, Stop: 12401, Start Num: 22

Candidate Starts for OliverWalter_13:

(Start: 22 @11598 has 393 MA's), (33, 11619), (37, 11631), (40, 11643), (83, 11805), (99, 11874), (111, 11922), (127, 11994), (140, 12039), (144, 12063), (158, 12114), (182, 12168), (192, 12225), (203, 12264),

Gene: Omniscient_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Omniscient_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: OneinaGillian_25 Start: 14517, Stop: 15254, Start Num: 25

Candidate Starts for OneinaGillian_25:

(8, 14478), (Start: 19 @14508 has 1 MA's), (Start: 25 @14517 has 39 MA's), (78, 14688), (122, 14844), (153, 14967), (155, 14976), (160, 14994), (183, 15066), (192, 15120), (211, 15204), (213, 15213),

Gene: Onika_27 Start: 15658, Stop: 16488, Start Num: 22

Candidate Starts for Onika_27:

(Start: 22 @15658 has 393 MA's), (Start: 61 @15769 has 2 MA's), (Start: 80 @15841 has 1 MA's), (99, 15901), (129, 16051), (135, 16078), (140, 16102), (142, 16117), (153, 16156), (155, 16165), (157, 16177), (210, 16399), (224, 16453),

Gene: Oosterbaan_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Oosterbaan_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Opia_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Opia_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: OrangeOswald_15 Start: 13140, Stop: 13949, Start Num: 20

Candidate Starts for OrangeOswald_15:

(Start: 20 @13140 has 44 MA's), (46, 13203), (62, 13266), (87, 13362), (97, 13410), (99, 13416), (111, 13464), (127, 13536), (134, 13566), (141, 13587), (156, 13647), (163, 13668), (184, 13734), (215, 13875), (216, 13878),

Gene: Orfeu_12 Start: 11308, Stop: 12105, Start Num: 22

Candidate Starts for Orfeu_12:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: Orion_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Orion_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Orwigg_13 Start: 11313, Stop: 12110, Start Num: 22

Candidate Starts for Orwigg_13:

(Start: 22 @11313 has 393 MA's), (33, 11334), (37, 11346), (40, 11358), (83, 11520), (99, 11589), (111, 11637), (127, 11709), (140, 11754), (144, 11778), (158, 11829), (182, 11883), (192, 11940), (203, 11979),

Gene: PG1_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for PG1_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: PR_10 Start: 12685, Stop: 13461, Start Num: 22

Candidate Starts for PR_10:

(Start: 22 @12685 has 393 MA's), (37, 12706), (38, 12709), (43, 12727), (51, 12760), (63, 12814), (65, 12820), (75, 12853), (111, 13000), (117, 13024), (118, 13030), (139, 13114), (161, 13198), (177, 13240), (202, 13345), (205, 13351), (216, 13411),

Gene: Pacifista_14 Start: 11306, Stop: 12103, Start Num: 22

Candidate Starts for Pacifista_14:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Paries_22 Start: 16892, Stop: 17722, Start Num: 15

Candidate Starts for Paries_22:

(Start: 15 @16892 has 44 MA's), (18, 16901), (59, 17006), (86, 17096), (93, 17120), (104, 17174), (120, 17237), (129, 17285), (135, 17312), (141, 17342), (169, 17441), (184, 17489), (189, 17546), (197, 17576), (210, 17645), (213, 17657), (217, 17675), (220, 17690),

Gene: Paschalis_27 Start: 15672, Stop: 16502, Start Num: 22

Candidate Starts for Paschalis_27:

(Start: 22 @15672 has 393 MA's), (Start: 61 @15783 has 2 MA's), (Start: 80 @15855 has 1 MA's), (99, 15915), (129, 16065), (135, 16092), (140, 16116), (142, 16131), (153, 16170), (155, 16179), (157, 16191), (210, 16413), (224, 16467),

Gene: PenguinLover67_16 Start: 14236, Stop: 15033, Start Num: 10

Candidate Starts for PenguinLover67_16:

(Start: 10 @14236 has 2 MA's), (33, 14275), (37, 14287), (62, 14383), (85, 14470), (94, 14506), (97, 14518), (118, 14602), (141, 14704), (146, 14725), (184, 14842), (190, 14878), (192, 14884), (212, 14968), (222, 15007), (225, 15016),

Gene: Pepe25_24 Start: 14854, Stop: 15600, Start Num: 25

Candidate Starts for Pepe25_24:

(Start: 19 @14845 has 1 MA's), (Start: 25 @14854 has 39 MA's), (122, 15181), (153, 15304), (155, 15313), (181, 15388), (183, 15403), (211, 15541), (213, 15550), (222, 15586),

Gene: Phabia_26 Start: 15818, Stop: 16552, Start Num: 25

Candidate Starts for Phabia_26:

(Start: 19 @15809 has 1 MA's), (Start: 25 @15818 has 39 MA's), (48, 15878), (74, 15971), (100, 16070), (142, 16232), (155, 16280), (161, 16301), (188, 16400),

Gene: Phaedrus_14 Start: 13057, Stop: 13866, Start Num: 20

Candidate Starts for Phaedrus_14:

(Start: 20 @13057 has 44 MA's), (46, 13120), (62, 13183), (87, 13279), (97, 13327), (99, 13333), (111, 13381), (127, 13453), (134, 13483), (141, 13504), (156, 13564), (163, 13585), (184, 13651), (215, 13792), (216, 13795),

Gene: Phamished_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Phamished_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Phantasmagoria_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Phantasmagoria_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: Phareon_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Phareon_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: PhatCats2014_13 Start: 11606, Stop: 12409, Start Num: 22

Candidate Starts for PhatCats2014_13:

(Start: 22 @11606 has 393 MA's), (33, 11627), (37, 11639), (40, 11651), (83, 11813), (99, 11882), (111, 11930), (127, 12002), (140, 12047), (144, 12071), (158, 12122), (182, 12176), (192, 12233), (203, 12272),

Gene: PhatLouie_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for PhatLouie_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Phauci_15 Start: 13922, Stop: 14752, Start Num: 12

Candidate Starts for Phauci_15:

(Start: 12 @13922 has 14 MA's), (14, 13928), (31, 13955), (32, 13961), (Start: 49 @14015 has 6 MA's), (99, 14186), (100, 14198), (120, 14273), (129, 14321), (153, 14423), (172, 14477), (184, 14522), (189, 14579), (213, 14690),

Gene: Phayeta_15 Start: 13016, Stop: 13825, Start Num: 20

Candidate Starts for Phayeta_15:

(Start: 20 @13016 has 44 MA's), (46, 13079), (62, 13142), (87, 13238), (97, 13286), (99, 13292), (111, 13340), (127, 13412), (134, 13442), (141, 13463), (156, 13523), (163, 13544), (184, 13610), (215, 13751), (216, 13754),

Gene: Phelemich_14 Start: 13595, Stop: 14401, Start Num: 22

Candidate Starts for Phelemich_14:

(Start: 22 @13595 has 393 MA's), (33, 13607), (54, 13685), (98, 13889), (99, 13892), (111, 13940), (116, 13961), (127, 14012), (142, 14075), (164, 14147), (184, 14204), (211, 14324),

Gene: PhenghisKhan_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for PhenghisKhan_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Pherdinand_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Pherdinand_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Phergie_12 Start: 11155, Stop: 11952, Start Num: 22

Candidate Starts for Phergie_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: Philly_14 Start: 13006, Stop: 13815, Start Num: 20

Candidate Starts for Philly_14:

(Start: 20 @13006 has 44 MA's), (46, 13069), (62, 13132), (87, 13228), (97, 13276), (99, 13282), (111, 13330), (127, 13402), (134, 13432), (137, 13435), (141, 13453), (156, 13513), (163, 13534), (184,

13600), (215, 13741), (216, 13744),

Gene: Phinally_22 Start: 17352, Stop: 18182, Start Num: 12

Candidate Starts for Phinally_22:

(Start: 12 @17352 has 14 MA's), (14, 17358), (31, 17385), (32, 17391), (Start: 49 @17445 has 6 MA's), (99, 17616), (100, 17628), (120, 17703), (129, 17751), (153, 17853), (172, 17907), (182, 17937), (184, 17952), (189, 18009), (213, 18120),

Gene: Phinky_32 Start: 16706, Stop: 17443, Start Num: 25

Candidate Starts for Phinky_32:

(Start: 25 @16706 has 39 MA's), (48, 16766), (74, 16859), (81, 16886), (122, 17036), (155, 17168), (160, 17186), (183, 17255), (211, 17393), (213, 17402), (217, 17420),

Gene: Phipps_13 Start: 11593, Stop: 12396, Start Num: 22

Candidate Starts for Phipps_13:

(Start: 22 @11593 has 393 MA's), (33, 11614), (37, 11626), (40, 11638), (83, 11800), (99, 11869), (111, 11917), (127, 11989), (140, 12034), (144, 12058), (158, 12109), (182, 12163), (192, 12220), (203, 12259),

Gene: Phleuron_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Phleuron_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Phlop_20 Start: 13916, Stop: 14728, Start Num: 22

Candidate Starts for Phlop_20:

(Start: 22 @13916 has 393 MA's), (53, 13997), (96, 14147), (129, 14294), (137, 14330), (167, 14444), (226, 14714),

Gene: Phlyer_15 Start: 13874, Stop: 14683, Start Num: 20

Candidate Starts for Phlyer_15:

(Start: 20 @13874 has 44 MA's), (46, 13937), (62, 14000), (87, 14096), (97, 14144), (99, 14150), (111, 14198), (127, 14270), (134, 14300), (141, 14321), (156, 14381), (163, 14402), (184, 14468), (215, 14609), (216, 14612),

Gene: Phorgeous_27 Start: 15525, Stop: 16355, Start Num: 22

Candidate Starts for Phorgeous_27:

(Start: 22 @15525 has 393 MA's), (Start: 61 @15636 has 2 MA's), (Start: 80 @15708 has 1 MA's), (99, 15768), (129, 15918), (135, 15945), (140, 15969), (142, 15984), (153, 16023), (155, 16032), (157, 16044), (210, 16266), (224, 16320),

Gene: Phrancesco_28 Start: 15803, Stop: 16633, Start Num: 22

Candidate Starts for Phrancesco_28:

(Start: 22 @15803 has 393 MA's), (Start: 61 @15914 has 2 MA's), (Start: 80 @15986 has 1 MA's), (99, 16046), (129, 16196), (135, 16223), (140, 16247), (142, 16262), (153, 16301), (155, 16310), (157, 16322), (210, 16544), (224, 16598),

Gene: PhrankReynolds_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for PhrankReynolds_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: PhrodoBaggins_12 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for PhrodoBaggins_12:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Phunky_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Phunky_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: PierreOrion_28 Start: 15938, Stop: 16657, Start Num: 61

Candidate Starts for PierreOrion_28:

(Start: 22 @15827 has 393 MA's), (Start: 61 @15938 has 2 MA's), (Start: 80 @16010 has 1 MA's), (99, 16070), (129, 16220), (135, 16247), (140, 16271), (142, 16286), (153, 16325), (155, 16334), (157, 16346), (210, 16568), (224, 16622),

Gene: Piglet_0012 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Piglet_0012:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: PinheadLarry_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for PinheadLarry_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: PinkCoffee_22 Start: 14509, Stop: 15321, Start Num: 22

Candidate Starts for PinkCoffee_22:

(Start: 22 @14509 has 393 MA's), (53, 14590), (96, 14740), (129, 14887), (137, 14923), (167, 15037), (226, 15307),

Gene: Pinkman_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Pinkman_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Pipefish_15 Start: 14024, Stop: 14833, Start Num: 20

Candidate Starts for Pipefish_15:

(Start: 20 @14024 has 44 MA's), (46, 14087), (62, 14150), (87, 14246), (97, 14294), (99, 14300), (111, 14348), (127, 14420), (134, 14450), (137, 14453), (141, 14471), (156, 14531), (163, 14552), (184, 14618), (215, 14759), (216, 14762),

Gene: PiperSansNom_28 Start: 15979, Stop: 16809, Start Num: 22

Candidate Starts for PiperSansNom_28:

(Start: 22 @15979 has 393 MA's), (Start: 61 @16090 has 2 MA's), (Start: 80 @16162 has 1 MA's), (99, 16222), (129, 16372), (135, 16399), (140, 16423), (142, 16438), (153, 16477), (155, 16486), (157, 16498), (210, 16720), (224, 16774),

Gene: Piperis_28 Start: 15649, Stop: 16479, Start Num: 22

Candidate Starts for Piperis_28:

(Start: 22 @15649 has 393 MA's), (Start: 61 @15760 has 2 MA's), (Start: 80 @15832 has 1 MA's), (99, 15892), (129, 16042), (135, 16069), (140, 16093), (142, 16108), (153, 16147), (155, 16156), (157, 16168), (210, 16390), (224, 16444),

Gene: Pipsqueak_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Pipsqueak_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Placalicious_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Placalicious_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Plmatters_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Plmatters_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Podrick_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Podrick_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Pops_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Pops_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Portcullis_20 Start: 13859, Stop: 14671, Start Num: 22

Candidate Starts for Portcullis_20:

(Start: 22 @13859 has 393 MA's), (53, 13940), (96, 14090), (129, 14237), (137, 14273), (167, 14387), (226, 14657),

Gene: Poster_12 Start: 12252, Stop: 13046, Start Num: 22

Candidate Starts for Poster_12:

(Start: 22 @12252 has 393 MA's), (33, 12273), (36, 12282), (50, 12339), (62, 12384), (97, 12522), (111, 12576), (116, 12597), (121, 12618), (123, 12624), (141, 12711), (152, 12753), (184, 12849), (187, 12867), (192, 12891), (204, 12933), (212, 12975), (225, 13023),

Gene: Potter_12 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Potter_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Prickles_13 Start: 11608, Stop: 12411, Start Num: 22

Candidate Starts for Prickles_13:

(Start: 22 @11608 has 393 MA's), (33, 11629), (37, 11641), (40, 11653), (83, 11815), (99, 11884), (111, 11932), (127, 12004), (140, 12049), (144, 12073), (158, 12124), (182, 12178), (192, 12235), (203, 12274),

Gene: Prince_14 Start: 13506, Stop: 14300, Start Num: 22

Candidate Starts for Prince_14:

(Start: 22 @13506 has 393 MA's), (33, 13527), (37, 13539), (62, 13638), (97, 13776), (111, 13830), (116, 13851), (121, 13872), (123, 13878), (127, 13902), (141, 13965), (152, 14007), (184, 14103), (185, 14106), (192, 14145), (204, 14187), (212, 14229), (225, 14277),

Gene: ProfessorX_13 Start: 11600, Stop: 12397, Start Num: 22

Candidate Starts for ProfessorX_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Puhltonio_13 Start: 11593, Stop: 12396, Start Num: 22

Candidate Starts for Puhltonio_13:

(Start: 22 @11593 has 393 MA's), (33, 11614), (37, 11626), (40, 11638), (83, 11800), (99, 11869), (111, 11917), (127, 11989), (140, 12034), (144, 12058), (158, 12109), (182, 12163), (192, 12220), (203, 12259),

Gene: Pulchra_29 Start: 16049, Stop: 16879, Start Num: 22

Candidate Starts for Pulchra_29:

(Start: 22 @16049 has 393 MA's), (Start: 61 @16160 has 2 MA's), (Start: 80 @16232 has 1 MA's), (99, 16292), (129, 16442), (135, 16469), (140, 16493), (142, 16508), (153, 16547), (155, 16556), (157, 16568), (210, 16790), (224, 16844),

Gene: PullumCavea_20 Start: 13916, Stop: 14728, Start Num: 22

Candidate Starts for PullumCavea_20:

(Start: 22 @13916 has 393 MA's), (53, 13997), (96, 14147), (129, 14294), (137, 14330), (167, 14444), (226, 14714),

Gene: Quammi_24 Start: 15389, Stop: 16123, Start Num: 25

Candidate Starts for Quammi_24:

(Start: 19 @15380 has 1 MA's), (Start: 25 @15389 has 39 MA's), (48, 15449), (74, 15542), (100, 15641), (142, 15803), (155, 15851), (161, 15872), (188, 15971),

Gene: QueenBeane_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for QueenBeane_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Quesadilla_15 Start: 14040, Stop: 14831, Start Num: 13

Candidate Starts for Quesadilla_15:

(Start: 13 @14040 has 33 MA's), (37, 14085), (62, 14181), (85, 14268), (94, 14304), (97, 14316), (118, 14400), (141, 14502), (146, 14523), (151, 14541), (190, 14676), (192, 14682), (225, 14814),

Gene: Quhwah_31 Start: 16275, Stop: 17105, Start Num: 22

Candidate Starts for Quhwah_31:

(Start: 22 @16275 has 393 MA's), (Start: 61 @16386 has 2 MA's), (Start: 80 @16458 has 1 MA's), (99, 16518), (129, 16668), (135, 16695), (140, 16719), (142, 16734), (153, 16773), (155, 16782), (157,

16794), (210, 17016), (224, 17070),

Gene: Quisquilliae_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Quisquilliae_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Qyrzula_15 Start: 14622, Stop: 15440, Start Num: 13

Candidate Starts for Qyrzula_15:

(Start: 13 @14622 has 33 MA's), (62, 14766), (83, 14847), (96, 14901), (97, 14907), (112, 14967), (122, 15006), (129, 15045), (141, 15084), (170, 15180), (184, 15228), (192, 15270), (202, 15306), (216, 15372),

Gene: RagingRooster_15 Start: 13141, Stop: 13950, Start Num: 20

Candidate Starts for RagingRooster_15:

(Start: 20 @13141 has 44 MA's), (46, 13204), (62, 13267), (87, 13363), (97, 13411), (99, 13417), (111, 13465), (127, 13537), (134, 13567), (141, 13588), (156, 13648), (163, 13669), (184, 13735), (215, 13876), (216, 13879),

Gene: Ramiel05_27 Start: 15684, Stop: 16514, Start Num: 22

Candidate Starts for Ramiel05_27:

(Start: 22 @15684 has 393 MA's), (Start: 61 @15795 has 2 MA's), (Start: 80 @15867 has 1 MA's), (99, 15927), (129, 16077), (135, 16104), (140, 16128), (142, 16143), (153, 16182), (155, 16191), (157, 16203), (210, 16425), (224, 16479),

Gene: Rasputia_58 Start: 32048, Stop: 32869, Start Num: 19

Candidate Starts for Rasputia_58:

(Start: 19 @32048 has 1 MA's), (Start: 61 @32165 has 2 MA's), (70, 32201), (76, 32225), (104, 32324), (141, 32477), (162, 32558), (183, 32621), (186, 32639), (206, 32726), (223, 32798),

Gene: RawrgerThat_13 Start: 13340, Stop: 14134, Start Num: 22

Candidate Starts for RawrgerThat_13:

(Start: 22 @13340 has 393 MA's), (33, 13361), (37, 13373), (62, 13472), (97, 13610), (111, 13664), (116, 13685), (121, 13706), (123, 13712), (127, 13736), (141, 13799), (152, 13841), (184, 13937), (192, 13979), (204, 14021), (212, 14063), (225, 14111),

Gene: RedMaple_12 Start: 11596, Stop: 12399, Start Num: 22

Candidate Starts for RedMaple_12:

(Start: 22 @11596 has 393 MA's), (33, 11617), (37, 11629), (40, 11641), (83, 11803), (99, 11872), (111, 11920), (127, 11992), (140, 12037), (144, 12061), (158, 12112), (182, 12166), (192, 12223), (203, 12262),

Gene: Reprobate_14 Start: 13592, Stop: 14398, Start Num: 22

Candidate Starts for Reprobate_14:

(Start: 22 @13592 has 393 MA's), (33, 13604), (54, 13682), (98, 13886), (99, 13889), (111, 13937), (116, 13958), (127, 14009), (142, 14072), (164, 14144), (184, 14201), (211, 14321),

Gene: Rhinoforte_16 Start: 14649, Stop: 15467, Start Num: 13

Candidate Starts for Rhinoforte_16:

(Start: 13 @14649 has 33 MA's), (62, 14793), (83, 14874), (96, 14928), (97, 14934), (112, 14994), (122, 15033), (129, 15072), (141, 15111), (170, 15207), (184, 15255), (192, 15297), (202, 15333), (216, 15399),

Gene: Ribeye_22 Start: 17792, Stop: 18619, Start Num: 15

Candidate Starts for Ribeye_22:

(Start: 15 @17792 has 44 MA's), (18, 17801), (59, 17903), (86, 17993), (120, 18134), (129, 18182), (140, 18233), (153, 18287), (169, 18338), (176, 18356), (184, 18386), (186, 18407), (189, 18443), (197, 18473), (213, 18554), (217, 18572), (220, 18587), (226, 18605),

Gene: Rich_14 Start: 13348, Stop: 14154, Start Num: 22

Candidate Starts for Rich_14:

(Start: 22 @13348 has 393 MA's), (34, 13363), (42, 13390), (47, 13414), (54, 13438), (98, 13642), (99, 13645), (118, 13723), (125, 13753), (127, 13765), (142, 13828), (146, 13840), (184, 13957), (192, 13999), (204, 14041), (211, 14077),

Gene: Ricotta_13 Start: 11308, Stop: 12111, Start Num: 22

Candidate Starts for Ricotta_13:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (83, 11515), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: Riggan_13 Start: 11606, Stop: 12403, Start Num: 22

Candidate Starts for Riggan_13:

(Start: 22 @11606 has 393 MA's), (33, 11627), (37, 11639), (40, 11651), (83, 11813), (99, 11882), (111, 11930), (127, 12002), (140, 12047), (144, 12071), (158, 12122), (182, 12176), (192, 12233), (203, 12272),

Gene: Rimu_12 Start: 11302, Stop: 12105, Start Num: 22

Candidate Starts for Rimu_12:

(Start: 22 @11302 has 393 MA's), (33, 11323), (37, 11335), (40, 11347), (83, 11509), (99, 11578), (111, 11626), (127, 11698), (140, 11743), (144, 11767), (158, 11818), (182, 11872), (192, 11929), (203, 11968),

Gene: Rita1961_15 Start: 13135, Stop: 13944, Start Num: 20

Candidate Starts for Rita1961_15:

(Start: 20 @13135 has 44 MA's), (46, 13198), (62, 13261), (87, 13357), (97, 13405), (99, 13411), (111, 13459), (127, 13531), (134, 13561), (141, 13582), (156, 13642), (163, 13663), (184, 13729), (215, 13870), (216, 13873),

Gene: RiverRaider_23 Start: 16172, Stop: 17002, Start Num: 15

Candidate Starts for RiverRaider_23:

(Start: 15 @16172 has 44 MA's), (16, 16175), (18, 16181), (59, 16286), (120, 16517), (129, 16565), (140, 16616), (169, 16721), (176, 16739), (178, 16742), (184, 16769), (189, 16826), (195, 16850), (196, 16853), (197, 16856), (208, 16913), (213, 16937), (217, 16955),

Gene: RoadKill_19 Start: 15230, Stop: 16060, Start Num: 12

Candidate Starts for RoadKill_19:

(Start: 12 @15230 has 14 MA's), (66, 15386), (69, 15398), (95, 15476), (115, 15560), (125, 15602), (129, 15629), (153, 15731), (157, 15752), (169, 15782), (195, 15911), (197, 15917), (202, 15938), (213, 15998),

Gene: RobinRose_27 Start: 15018, Stop: 15755, Start Num: 25

Candidate Starts for RobinRose_27:

(Start: 19 @15009 has 1 MA's), (Start: 25 @15018 has 39 MA's), (78, 15189), (122, 15345), (153, 15468), (155, 15477), (160, 15495), (183, 15567), (192, 15621), (213, 15714),

Gene: RobsFeet_29 Start: 15807, Stop: 16619, Start Num: 22

Candidate Starts for RobsFeet_29:

(Start: 22 @15807 has 393 MA's), (60, 15909), (Start: 61 @15918 has 2 MA's), (63, 15927), (79, 15987), (Start: 80 @15990 has 1 MA's), (99, 16050), (128, 16185), (132, 16224), (153, 16308), (155, 16317), (200, 16473), (210, 16527), (224, 16581), (229, 16608),

Gene: Robyn_12 Start: 11157, Stop: 11960, Start Num: 22

Candidate Starts for Robyn_12:

(Start: 22 @11157 has 393 MA's), (33, 11178), (37, 11190), (40, 11202), (83, 11364), (99, 11433), (111, 11481), (127, 11553), (140, 11598), (144, 11622), (158, 11673), (182, 11727), (192, 11784), (203, 11823),

Gene: Rofo_21 Start: 17144, Stop: 17974, Start Num: 15

Candidate Starts for Rofo_21:

(Start: 15 @17144 has 44 MA's), (18, 17153), (59, 17258), (86, 17348), (99, 17402), (104, 17426), (120, 17489), (129, 17537), (135, 17564), (141, 17594), (169, 17693), (184, 17741), (189, 17798), (195, 17822), (197, 17828), (210, 17897), (213, 17909), (217, 17927), (220, 17942),

Gene: RogerDodger_23 Start: 14709, Stop: 15521, Start Num: 22

Candidate Starts for RogerDodger_23:

(Start: 22 @14709 has 393 MA's), (53, 14790), (96, 14940), (129, 15087), (137, 15123), (167, 15237), (226, 15507),

Gene: Roliet_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for Roliet_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: RomaT_15 Start: 13921, Stop: 14730, Start Num: 20

Candidate Starts for RomaT_15:

(Start: 20 @13921 has 44 MA's), (46, 13984), (62, 14047), (87, 14143), (97, 14191), (99, 14197), (111, 14245), (127, 14317), (134, 14347), (137, 14350), (141, 14368), (156, 14428), (163, 14449), (184, 14515), (215, 14656), (216, 14659),

Gene: Romm_27 Start: 15018, Stop: 15755, Start Num: 25

Candidate Starts for Romm_27:

(Start: 19 @15009 has 1 MA's), (Start: 25 @15018 has 39 MA's), (78, 15189), (122, 15345), (153, 15468), (155, 15477), (160, 15495), (183, 15567), (192, 15621), (213, 15714),

Gene: Roscoe_14 Start: 11837, Stop: 12634, Start Num: 22

Candidate Starts for Roscoe_14:

(Start: 22 @11837 has 393 MA's), (33, 11858), (37, 11870), (40, 11882), (83, 12044), (99, 12113), (111, 12161), (127, 12233), (140, 12278), (144, 12302), (158, 12353), (182, 12407), (192, 12464), (203, 12503),

Gene: Rosebush_16 Start: 14649, Stop: 15467, Start Num: 13

Candidate Starts for Rosebush_16:

(Start: 13 @14649 has 33 MA's), (62, 14793), (83, 14874), (96, 14928), (97, 14934), (112, 14994), (122, 15033), (129, 15072), (141, 15111), (170, 15207), (184, 15255), (192, 15297), (202, 15333), (216, 15399),

Gene: Rowlf_22 Start: 15147, Stop: 15881, Start Num: 25

Candidate Starts for Rowlf_22:

(Start: 19 @15138 has 1 MA's), (Start: 25 @15147 has 39 MA's), (48, 15207), (74, 15300), (100, 15399), (142, 15561), (155, 15609), (161, 15630), (188, 15729), (194, 15756),

Gene: Roy17_13 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for Roy17_13:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: RubyRalph_28 Start: 15664, Stop: 16398, Start Num: 25

Candidate Starts for RubyRalph_28:

(Start: 25 @15664 has 39 MA's), (77, 15832), (100, 15913), (155, 16120), (183, 16210), (193, 16267), (199, 16297),

Gene: Rudy_24 Start: 15389, Stop: 16123, Start Num: 25

Candidate Starts for Rudy_24:

(Start: 19 @15380 has 1 MA's), (Start: 25 @15389 has 39 MA's), (48, 15449), (74, 15542), (100, 15641), (142, 15803), (155, 15851), (161, 15872), (188, 15971),

Gene: SDcharge11_13 Start: 11595, Stop: 12398, Start Num: 22

Candidate Starts for SDcharge11_13:

(Start: 22 @11595 has 393 MA's), (33, 11616), (37, 11628), (40, 11640), (83, 11802), (99, 11871), (111, 11919), (127, 11991), (140, 12036), (144, 12060), (158, 12111), (182, 12165), (192, 12222), (203, 12261),

Gene: Sabella_16 Start: 14535, Stop: 15353, Start Num: 13

Candidate Starts for Sabella_16:

(Start: 13 @14535 has 33 MA's), (62, 14679), (83, 14760), (96, 14814), (97, 14820), (112, 14880), (122, 14919), (129, 14958), (141, 14997), (170, 15093), (184, 15141), (192, 15183), (202, 15219), (216, 15285),

Gene: SadLad_30 Start: 16601, Stop: 17335, Start Num: 25

Candidate Starts for SadLad_30:

(Start: 25 @16601 has 39 MA's), (77, 16769), (100, 16850), (155, 17057), (183, 17147), (193, 17204), (199, 17234),

Gene: Saguaro_15 Start: 14245, Stop: 15039, Start Num: 15

Candidate Starts for Saguaro_15:

(Start: 15 @14245 has 44 MA's), (24, 14260), (37, 14287), (51, 14341), (93, 14497), (94, 14506), (97, 14518), (111, 14572), (122, 14617), (136, 14683), (148, 14731), (158, 14773), (192, 14884), (212, 14968), (215, 14983), (225, 15016),

Gene: SallyK_27 Start: 16535, Stop: 17269, Start Num: 25

Candidate Starts for SallyK_27:

(Start: 19 @16526 has 1 MA's), (Start: 25 @16535 has 39 MA's), (48, 16595), (100, 16787), (142, 16949), (149, 16976), (155, 16997), (160, 17015), (161, 17018), (174, 17045), (175, 17048), (183, 17084), (188, 17117), (194, 17144),

Gene: Salvador_20 Start: 13830, Stop: 14642, Start Num: 22

Candidate Starts for Salvador_20:

(Start: 22 @13830 has 393 MA's), (53, 13911), (96, 14061), (129, 14208), (137, 14244), (167, 14358), (226, 14628),

Gene: Samaymay_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Samaymay_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Sampson_22 Start: 17485, Stop: 18309, Start Num: 21

Candidate Starts for Sampson_22:

(Start: 21 @17485 has 9 MA's), (Start: 49 @17557 has 6 MA's), (67, 17623), (89, 17698), (99, 17740), (114, 17797), (129, 17869), (133, 17890), (138, 17911), (153, 17971), (157, 17992), (165, 18013), (169, 18022), (178, 18043), (184, 18070), (189, 18127), (195, 18151), (197, 18157), (202, 18178), (212, 18235), (218, 18259),

Gene: Sanjuju_19 Start: 16656, Stop: 17486, Start Num: 15

Candidate Starts for Sanjuju_19:

(Start: 15 @16656 has 44 MA's), (18, 16665), (59, 16770), (86, 16860), (99, 16914), (104, 16938), (120, 17001), (129, 17049), (135, 17076), (169, 17205), (184, 17253), (189, 17310), (195, 17334), (197, 17340), (210, 17409), (213, 17421), (217, 17439), (220, 17454),

Gene: Saronaya_21 Start: 16571, Stop: 17398, Start Num: 15

Candidate Starts for Saronaya_21:

(Start: 15 @16571 has 44 MA's), (18, 16580), (59, 16682), (86, 16772), (120, 16913), (129, 16961), (140, 17012), (153, 17066), (169, 17117), (176, 17135), (184, 17165), (186, 17186), (189, 17222), (197, 17252), (213, 17333), (217, 17351), (220, 17366),

Gene: SassyCat97_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for SassyCat97_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Savannah_27 Start: 15711, Stop: 16541, Start Num: 22

Candidate Starts for Savannah_27:

(Start: 22 @15711 has 393 MA's), (Start: 61 @15822 has 2 MA's), (Start: 80 @15894 has 1 MA's), (99, 15954), (129, 16104), (135, 16131), (140, 16155), (142, 16170), (153, 16209), (155, 16218), (157, 16230), (210, 16452), (224, 16506),

Gene: Savbucketdawg_20 Start: 13611, Stop: 14423, Start Num: 22

Candidate Starts for Savbucketdawg_20:

(Start: 22 @13611 has 393 MA's), (53, 13692), (96, 13842), (129, 13989), (137, 14025), (167, 14139), (226, 14409),

Gene: Schadenfreude_12 Start: 11147, Stop: 11950, Start Num: 22

Candidate Starts for Schadenfreude_12:

(Start: 22 @11147 has 393 MA's), (33, 11168), (37, 11180), (40, 11192), (83, 11354), (99, 11423), (111, 11471), (127, 11543), (140, 11588), (144, 11612), (158, 11663), (182, 11717), (192, 11774), (203, 11813),

Gene: SchottB_20 Start: 17572, Stop: 18399, Start Num: 15

Candidate Starts for SchottB_20:

(Start: 15 @17572 has 44 MA's), (18, 17581), (59, 17683), (93, 17797), (120, 17914), (129, 17962), (140, 18013), (153, 18067), (169, 18118), (176, 18136), (184, 18166), (186, 18187), (189, 18223),

(197, 18253), (213, 18334), (217, 18352), (220, 18367),

Gene: Schueller_12 Start: 11306, Stop: 12103, Start Num: 22

Candidate Starts for Schueller_12:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Scioto_22 Start: 17540, Stop: 18364, Start Num: 21

Candidate Starts for Scioto_22:

(Start: 21 @17540 has 9 MA's), (Start: 49 @17612 has 6 MA's), (67, 17678), (89, 17753), (99, 17795), (114, 17852), (129, 17924), (133, 17945), (138, 17966), (153, 18026), (157, 18047), (165, 18068), (169, 18077), (178, 18098), (184, 18125), (189, 18182), (195, 18206), (197, 18212), (202, 18233), (212, 18290), (218, 18314),

Gene: Scoot17C_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for Scoot17C_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Scrick_12 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Scrick_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Scumberland_29 Start: 15899, Stop: 16729, Start Num: 22

Candidate Starts for Scumberland_29:

(Start: 22 @15899 has 393 MA's), (Start: 61 @16010 has 2 MA's), (Start: 80 @16082 has 1 MA's), (99, 16142), (129, 16292), (135, 16319), (140, 16343), (142, 16358), (153, 16397), (155, 16406), (157, 16418), (210, 16640), (224, 16694),

Gene: Sedona_23 Start: 18961, Stop: 19791, Start Num: 15

Candidate Starts for Sedona_23:

(Start: 15 @18961 has 44 MA's), (18, 18970), (59, 19075), (86, 19165), (93, 19189), (99, 19219), (104, 19243), (120, 19306), (129, 19354), (135, 19381), (169, 19510), (184, 19558), (189, 19615), (195, 19639), (197, 19645), (210, 19714), (213, 19726), (217, 19744), (220, 19759),

Gene: Sejanus_11 Start: 11588, Stop: 12436, Start Num: 22

Candidate Starts for Sejanus_11:

(Start: 22 @11588 has 393 MA's), (34, 11603), (62, 11714), (65, 11726), (75, 11759), (99, 11861), (111, 11909), (123, 11957), (127, 11981), (139, 12023), (173, 12131), (184, 12176), (187, 12194), (204, 12260), (206, 12272), (211, 12296), (215, 12317), (225, 12350),

Gene: Selr12_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Selr12_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Selwyn23_29 Start: 15877, Stop: 16707, Start Num: 22

Candidate Starts for Selwyn23_29:

(Start: 22 @15877 has 393 MA's), (Start: 61 @15988 has 2 MA's), (Start: 80 @16060 has 1 MA's), (99, 16120), (129, 16270), (135, 16297), (140, 16321), (142, 16336), (153, 16375), (155, 16384), (157, 16396), (210, 16618), (224, 16672),

Gene: Serendipitous_14 Start: 13398, Stop: 14204, Start Num: 22

Candidate Starts for Serendipitous_14:

(Start: 22 @13398 has 393 MA's), (54, 13488), (98, 13692), (118, 13773), (127, 13815), (137, 13851), (142, 13878), (164, 13950), (184, 14007), (192, 14049), (204, 14091), (211, 14127),

Gene: Serendipity_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Serendipity_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Serpentine_0013 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Serpentine_0013:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Shatter_12 Start: 11636, Stop: 12418, Start Num: 22

Candidate Starts for Shatter_12:

(Start: 22 @11636 has 393 MA's), (30, 11648), (51, 11726), (192, 12272), (195, 12287), (202, 12308), (211, 12350), (212, 12356), (222, 12395),

Gene: Sheila_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Sheila_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: ShiVal_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for ShiVal_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Shinji_20 Start: 13800, Stop: 14612, Start Num: 22

Candidate Starts for Shinji_20:

(Start: 22 @13800 has 393 MA's), (53, 13881), (96, 14031), (129, 14178), (137, 14214), (167, 14328), (226, 14598),

Gene: Shivanishola_21 Start: 16950, Stop: 17780, Start Num: 15

Candidate Starts for Shivanishola_21:

(Start: 15 @16950 has 44 MA's), (18, 16959), (59, 17064), (86, 17154), (99, 17208), (104, 17232), (120, 17295), (129, 17343), (135, 17370), (139, 17391), (141, 17400), (169, 17499), (184, 17547), (189, 17604), (195, 17628), (197, 17634), (210, 17703), (213, 17715), (217, 17733), (220, 17748),

Gene: Shotgun_27 Start: 15509, Stop: 16339, Start Num: 22

Candidate Starts for Shotgun_27:

(Start: 22 @15509 has 393 MA's), (Start: 61 @15620 has 2 MA's), (Start: 80 @15692 has 1 MA's), (99, 15752), (129, 15902), (135, 15929), (140, 15953), (142, 15968), (153, 16007), (155, 16016), (157, 16028), (210, 16250), (224, 16304),

Gene: Sigman_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Sigman_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Sillytadpoles_26 Start: 15387, Stop: 16121, Start Num: 25

Candidate Starts for Sillytadpoles_26:

(Start: 19 @15378 has 1 MA's), (Start: 25 @15387 has 39 MA's), (48, 15447), (74, 15540), (100, 15639), (142, 15801), (155, 15849), (161, 15870), (188, 15969),

Gene: Simielle_12 Start: 11300, Stop: 12097, Start Num: 22

Candidate Starts for Simielle_12:

(Start: 22 @11300 has 393 MA's), (33, 11321), (37, 11333), (40, 11345), (83, 11507), (99, 11576), (111, 11624), (127, 11696), (140, 11741), (144, 11765), (158, 11816), (182, 11870), (192, 11927), (203, 11966),

Gene: SirJeffery_14 Start: 13351, Stop: 14157, Start Num: 22

Candidate Starts for SirJeffery_14:

(Start: 22 @13351 has 393 MA's), (34, 13366), (42, 13393), (54, 13441), (118, 13726), (127, 13768), (131, 13786), (137, 13804), (142, 13831), (146, 13843), (164, 13903), (184, 13960), (187, 13978), (192, 14002), (204, 14044), (211, 14080),

Gene: Sisko_12 Start: 11968, Stop: 12750, Start Num: 22

Candidate Starts for Sisko_12:

(Start: 22 @11968 has 393 MA's), (37, 12007), (51, 12061), (112, 12301), (118, 12325), (153, 12463), (157, 12484), (187, 12580), (191, 12601), (195, 12619), (204, 12646), (222, 12727),

Gene: Sitar_23 Start: 18329, Stop: 19159, Start Num: 15

Candidate Starts for Sitar_23:

(Start: 15 @18329 has 44 MA's), (18, 18338), (59, 18443), (86, 18533), (93, 18557), (99, 18587), (104, 18611), (120, 18674), (129, 18722), (135, 18749), (169, 18878), (184, 18926), (189, 18983), (195, 19007), (197, 19013), (210, 19082), (213, 19094), (217, 19112), (220, 19127),

Gene: Skippy_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Skippy_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Slatt_13 Start: 11607, Stop: 12410, Start Num: 22

Candidate Starts for Slatt_13:

(Start: 22 @11607 has 393 MA's), (33, 11628), (37, 11640), (40, 11652), (83, 11814), (99, 11883), (111, 11931), (127, 12003), (140, 12048), (144, 12072), (158, 12123), (182, 12177), (192, 12234), (203, 12273),

Gene: SlippinJimmy_15 Start: 13905, Stop: 14714, Start Num: 20

Candidate Starts for SlippinJimmy_15:

(Start: 20 @13905 has 44 MA's), (46, 13968), (62, 14031), (87, 14127), (97, 14175), (99, 14181), (111, 14229), (127, 14301), (134, 14331), (137, 14334), (141, 14352), (156, 14412), (163, 14433), (184, 14499), (215, 14640), (216, 14643),

Gene: Smarties_36 Start: 17634, Stop: 18449, Start Num: 22

Candidate Starts for Smarties_36:

(Start: 22 @17634 has 393 MA's), (60, 17736), (Start: 61 @17745 has 2 MA's), (63, 17754), (99, 17877), (132, 18051), (155, 18144), (200, 18300), (210, 18354), (225, 18411), (229, 18435),

Gene: SmokingBunny_20 Start: 13830, Stop: 14642, Start Num: 22

Candidate Starts for SmokingBunny_20:

(Start: 22 @13830 has 393 MA's), (53, 13911), (96, 14061), (129, 14208), (137, 14244), (167, 14358), (226, 14628),

Gene: Soile_13 Start: 11308, Stop: 12111, Start Num: 22

Candidate Starts for Soile_13:

(Start: 22 @11308 has 393 MA's), (33, 11329), (37, 11341), (40, 11353), (83, 11515), (99, 11584), (111, 11632), (127, 11704), (140, 11749), (144, 11773), (158, 11824), (182, 11878), (192, 11935), (203, 11974),

Gene: Solosis_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Solosis_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Soos_41 Start: 24289, Stop: 25056, Start Num: 22

Candidate Starts for Soos_41:

(Start: 22 @24289 has 393 MA's), (45, 24355), (55, 24391), (102, 24562), (104, 24565), (139, 24715), (153, 24769), (195, 24925), (197, 24931), (215, 25009), (223, 25036),

Gene: Sophia_12 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Sophia_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Soto_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Soto_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Sour_15 Start: 13282, Stop: 14088, Start Num: 9

Candidate Starts for Sour_15:

(Start: 9 @13282 has 1 MA's), (28, 13324), (37, 13348), (Start: 49 @13399 has 6 MA's), (56, 13423), (62, 13447), (92, 13555), (112, 13639), (113, 13645), (139, 13747), (141, 13756), (157, 13822), (184, 13900), (191, 13939), (203, 13981),

Gene: Spartan300_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Spartan300_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Squash_28 Start: 16457, Stop: 17191, Start Num: 25

Candidate Starts for Squash_28:

(Start: 19 @16448 has 1 MA's), (Start: 25 @16457 has 39 MA's), (48, 16517), (74, 16610), (100, 16709), (142, 16871), (155, 16919), (161, 16940), (188, 17039), (194, 17066), (207, 17126),

Gene: Squid_13 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Squid_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Squiggle_13 Start: 11309, Stop: 12106, Start Num: 22

Candidate Starts for Squiggle_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: StAugustine_19 Start: 15471, Stop: 16352, Start Num: 22

Candidate Starts for StAugustine_19:

(Start: 22 @15471 has 393 MA's), (29, 15483), (98, 15759), (101, 15777), (139, 15924), (166, 16023), (169, 16029), (182, 16068), (184, 16083), (187, 16101), (190, 16119), (225, 16284),

Gene: Statler_28 Start: 16369, Stop: 17103, Start Num: 25

Candidate Starts for Statler_28:

(Start: 19 @16360 has 1 MA's), (Start: 25 @16369 has 39 MA's), (48, 16429), (74, 16522), (100, 16621), (142, 16783), (149, 16810), (155, 16831), (160, 16849), (161, 16852), (174, 16879), (175, 16882), (183, 16918), (188, 16951),

Gene: Sting_44 Start: 24728, Stop: 25495, Start Num: 22

Candidate Starts for Sting_44:

(Start: 22 @24728 has 393 MA's), (45, 24794), (55, 24830), (102, 25001), (104, 25004), (139, 25154), (153, 25208), (195, 25364), (197, 25370), (215, 25448), (223, 25475),

Gene: Stinger_11 Start: 11803, Stop: 12600, Start Num: 22

Candidate Starts for Stinger_11:

(Start: 22 @11803 has 393 MA's), (36, 11830), (50, 11887), (62, 11932), (97, 12070), (111, 12124), (116, 12145), (121, 12166), (123, 12172), (127, 12196), (152, 12301), (182, 12388), (187, 12421), (192, 12445), (204, 12487), (212, 12529), (225, 12577),

Gene: StinkyVeggy_15 Start: 13490, Stop: 14296, Start Num: 22

Candidate Starts for StinkyVeggy_15:

(Start: 22 @13490 has 393 MA's), (98, 13784), (118, 13865), (127, 13907), (142, 13970), (146, 13982), (164, 14042), (184, 14099), (192, 14141), (211, 14219), (225, 14273),

Gene: StorminNorm_21 Start: 16451, Stop: 17278, Start Num: 15

Candidate Starts for StorminNorm_21:

(Start: 15 @16451 has 44 MA's), (18, 16460), (59, 16562), (64, 16589), (86, 16652), (93, 16676), (120, 16793), (129, 16841), (140, 16892), (153, 16946), (169, 16997), (176, 17015), (184, 17045), (186, 17066), (189, 17102), (197, 17132), (213, 17213), (217, 17231), (220, 17246),

Gene: StrawberryJamm_28 Start: 15689, Stop: 16423, Start Num: 25

Candidate Starts for StrawberryJamm_28:

(Start: 19 @15680 has 1 MA's), (Start: 25 @15689 has 39 MA's), (48, 15749), (100, 15941), (142, 16103), (149, 16130), (155, 16151), (161, 16172), (174, 16199), (175, 16202), (183, 16238), (188, 16271), (194, 16298),

Gene: Struggle_12 Start: 11155, Stop: 11952, Start Num: 22

Candidate Starts for Struggle_12:

(Start: 22 @11155 has 393 MA's), (33, 11176), (37, 11188), (40, 11200), (99, 11431), (111, 11479), (127, 11551), (140, 11596), (144, 11620), (158, 11671), (182, 11725), (192, 11782), (203, 11821),

Gene: Stultus_21 Start: 16940, Stop: 17770, Start Num: 15

Candidate Starts for Stultus_21:

(Start: 15 @16940 has 44 MA's), (18, 16949), (59, 17054), (86, 17144), (93, 17168), (99, 17198), (104, 17222), (120, 17285), (129, 17333), (135, 17360), (169, 17489), (184, 17537), (189, 17594), (195, 17618), (197, 17624), (210, 17693), (213, 17705), (217, 17723), (220, 17738),

Gene: Suffolk_13 Start: 11601, Stop: 12404, Start Num: 22

Candidate Starts for Suffolk_13:

(Start: 22 @11601 has 393 MA's), (33, 11622), (37, 11634), (40, 11646), (83, 11808), (99, 11877), (111, 11925), (127, 11997), (140, 12042), (144, 12066), (158, 12117), (182, 12171), (192, 12228), (203, 12267),

Gene: Suigeneris_14 Start: 13351, Stop: 14157, Start Num: 22

Candidate Starts for Suigeneris_14:

(Start: 22 @13351 has 393 MA's), (34, 13366), (42, 13393), (54, 13441), (118, 13726), (127, 13768), (131, 13786), (137, 13804), (142, 13831), (146, 13843), (164, 13903), (184, 13960), (187, 13978), (192, 14002), (204, 14044), (211, 14080),

Gene: Surely_13 Start: 11605, Stop: 12408, Start Num: 22

Candidate Starts for Surely_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Swiphy_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Swiphy_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Swish_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Swish_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: SynergyX_15 Start: 13141, Stop: 13950, Start Num: 20

Candidate Starts for SynergyX_15:

(Start: 20 @13141 has 44 MA's), (46, 13204), (62, 13267), (87, 13363), (97, 13411), (99, 13417), (111, 13465), (127, 13537), (134, 13567), (141, 13588), (156, 13648), (163, 13669), (184, 13735), (215, 13876), (216, 13879),

Gene: TA17A_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for TA17A_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216), (216, 15282),

Gene: TPA2_22 Start: 14324, Stop: 15103, Start Num: 22

Candidate Starts for TPA2_22:

(5, 14264), (Start: 22 @14324 has 393 MA's), (37, 14357), (52, 14414), (127, 14711), (141, 14762), (161, 14837), (192, 14948), (206, 15002), (209, 15020), (212, 15032),

Gene: TallGrassMM_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for TallGrassMM_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Tangent_19 Start: 16145, Stop: 16975, Start Num: 15

Candidate Starts for Tangent_19:

(Start: 15 @16145 has 44 MA's), (18, 16154), (59, 16259), (86, 16349), (99, 16403), (104, 16427), (120, 16490), (129, 16538), (135, 16565), (139, 16586), (141, 16595), (169, 16694), (184, 16742), (189, 16799), (195, 16823), (197, 16829), (210, 16898), (213, 16910), (217, 16928), (220, 16943),

Gene: Tangerine_21 Start: 16457, Stop: 17284, Start Num: 15

Candidate Starts for Tangerine_21:

(Start: 15 @16457 has 44 MA's), (18, 16466), (59, 16568), (64, 16595), (86, 16658), (93, 16682), (120, 16799), (129, 16847), (140, 16898), (153, 16952), (169, 17003), (176, 17021), (184, 17051), (186, 17072), (189, 17108), (197, 17138), (213, 17219), (217, 17237), (220, 17252),

Gene: Taptic_10 Start: 12673, Stop: 13449, Start Num: 22

Candidate Starts for Taptic_10:

(Start: 22 @12673 has 393 MA's), (37, 12694), (38, 12697), (43, 12715), (51, 12748), (63, 12802), (65, 12808), (75, 12841), (111, 12988), (117, 13012), (118, 13018), (139, 13102), (161, 13186), (177, 13228), (202, 13333), (205, 13339), (216, 13399),

Gene: Tardus_23 Start: 16820, Stop: 17644, Start Num: 21

Candidate Starts for Tardus_23:

(Start: 21 @16820 has 9 MA's), (Start: 49 @16892 has 6 MA's), (99, 17075), (114, 17132), (129, 17204), (133, 17225), (153, 17306), (157, 17327), (169, 17357), (178, 17378), (184, 17405), (189, 17462), (195, 17486), (197, 17492), (202, 17513), (212, 17570), (218, 17594),

Gene: Teamocil_29 Start: 15303, Stop: 16118, Start Num: 22

Candidate Starts for Teamocil_29:

(Start: 22 @15303 has 393 MA's), (60, 15405), (Start: 61 @15414 has 2 MA's), (63, 15423), (79, 15483), (128, 15681), (132, 15720), (142, 15765), (153, 15804), (155, 15813), (200, 15969), (210, 16023), (224, 16077),

Gene: Teehee_27 Start: 16624, Stop: 17358, Start Num: 25

Candidate Starts for Teehee_27:

(Start: 19 @16615 has 1 MA's), (Start: 25 @16624 has 39 MA's), (48, 16684), (74, 16777), (100, 16876), (142, 17038), (155, 17086), (161, 17107), (188, 17206),

Gene: Telesworld_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Telesworld_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Tempo_25 Start: 14894, Stop: 15631, Start Num: 25

Candidate Starts for Tempo_25:

(Start: 19 @14885 has 1 MA's), (Start: 25 @14894 has 39 MA's), (78, 15065), (122, 15221), (153, 15344), (155, 15353), (160, 15371), (183, 15443), (192, 15497), (213, 15590),

Gene: Terij_24 Start: 15272, Stop: 16039, Start Num: 49

Candidate Starts for Terij_24:

(Start: 22 @15203 has 393 MA's), (Start: 49 @15272 has 6 MA's), (98, 15452), (128, 15587), (132, 15626), (140, 15656), (153, 15710), (155, 15719), (183, 15803), (184, 15806), (192, 15839), (195, 15854), (201, 15878), (210, 15929), (216, 15956), (227, 16001), (235, 16028),

Gene: Thing3_22 Start: 17689, Stop: 18519, Start Num: 15

Candidate Starts for Thing3_22:

(Start: 15 @17689 has 44 MA's), (18, 17698), (59, 17803), (86, 17893), (99, 17947), (104, 17971), (120, 18034), (129, 18082), (135, 18109), (169, 18238), (184, 18286), (189, 18343), (195, 18367), (197, 18373), (210, 18442), (213, 18454), (217, 18472), (220, 18487),

Gene: Thonko_14 Start: 11261, Stop: 12043, Start Num: 22

Candidate Starts for Thonko_14:

(Start: 22 @11261 has 393 MA's), (33, 11273), (37, 11285), (111, 11579), (129, 11663), (144, 11732),

Gene: Thora_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Thora_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: ThreeOh3D2_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for ThreeOh3D2_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Thunderbird_13 Start: 11305, Stop: 12108, Start Num: 22

Candidate Starts for Thunderbird_13:

(Start: 22 @11305 has 393 MA's), (33, 11326), (37, 11338), (40, 11350), (83, 11512), (99, 11581), (111, 11629), (127, 11701), (140, 11746), (144, 11770), (158, 11821), (182, 11875), (192, 11932), (203, 11971),

Gene: Tiamoceli_22 Start: 16582, Stop: 17412, Start Num: 12

Candidate Starts for Tiamoceli_22:

(Start: 12 @16582 has 14 MA's), (66, 16738), (69, 16750), (95, 16828), (115, 16912), (125, 16954), (129, 16981), (153, 17083), (169, 17134), (195, 17263), (197, 17269), (202, 17290), (213, 17350), (216, 17365),

Gene: TillyBobJoe_20 Start: 13614, Stop: 14426, Start Num: 22

Candidate Starts for TillyBobJoe_20:

(Start: 22 @13614 has 393 MA's), (53, 13695), (96, 13845), (129, 13992), (137, 14028), (167, 14142), (226, 14412),

Gene: Timmi_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Timmi_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936),

(203, 11975),

Gene: Tinciduntolum_17 Start: 14651, Stop: 15469, Start Num: 13

Candidate Starts for Tinciduntolum_17:

(Start: 13 @14651 has 33 MA's), (62, 14795), (83, 14876), (96, 14930), (97, 14936), (112, 14996), (122, 15035), (129, 15074), (141, 15113), (170, 15209), (184, 15257), (192, 15299), (202, 15335), (216, 15401),

Gene: Tissue_26 Start: 16180, Stop: 16914, Start Num: 25

Candidate Starts for Tissue_26:

(Start: 19 @16171 has 1 MA's), (Start: 25 @16180 has 39 MA's), (48, 16240), (100, 16432), (142, 16594), (149, 16621), (155, 16642), (160, 16660), (161, 16663), (174, 16690), (175, 16693), (183, 16729), (188, 16762), (194, 16789),

Gene: Togo_20 Start: 13830, Stop: 14642, Start Num: 22

Candidate Starts for Togo_20:

(Start: 22 @13830 has 393 MA's), (53, 13911), (96, 14061), (129, 14208), (137, 14244), (167, 14358), (226, 14628),

Gene: TomBombadil_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for TomBombadil_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Tomlarah_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Tomlarah_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Toni_12 Start: 11313, Stop: 12110, Start Num: 22

Candidate Starts for Toni_12:

(Start: 22 @11313 has 393 MA's), (33, 11334), (37, 11346), (40, 11358), (83, 11520), (99, 11589), (111, 11637), (127, 11709), (140, 11754), (144, 11778), (158, 11829), (182, 11883), (192, 11940), (203, 11979),

Gene: Tonitrus_31 Start: 21138, Stop: 21920, Start Num: 22

Candidate Starts for Tonitrus_31:

(11, 21117), (Start: 22 @21138 has 393 MA's), (34, 21162), (41, 21186), (62, 21267), (99, 21399), (123, 21495), (139, 21579), (142, 21597), (150, 21624), (153, 21633), (172, 21687), (179, 21708), (198, 21795), (206, 21828), (217, 21879),

Gene: Tooj_13 Start: 11603, Stop: 12406, Start Num: 22

Candidate Starts for Tooj_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (83, 11810), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Tres_16 Start: 14532, Stop: 15350, Start Num: 13

Candidate Starts for Tres_16:

(Start: 13 @14532 has 33 MA's), (62, 14676), (83, 14757), (96, 14811), (97, 14817), (112, 14877), (122, 14916), (129, 14955), (141, 14994), (170, 15090), (184, 15138), (192, 15180), (202, 15216),

(216, 15282),

Gene: True_12 Start: 11310, Stop: 12107, Start Num: 22

Candidate Starts for True_12:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Trypo_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Trypo_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Twister6_22 Start: 14256, Stop: 15068, Start Num: 22

Candidate Starts for Twister6_22:

(Start: 22 @14256 has 393 MA's), (53, 14337), (96, 14487), (129, 14634), (137, 14670), (167, 14784), (226, 15054),

Gene: Twonlo_19 Start: 15199, Stop: 16029, Start Num: 12

Candidate Starts for Twonlo_19:

(Start: 12 @15199 has 14 MA's), (66, 15355), (69, 15367), (95, 15445), (105, 15490), (115, 15529), (125, 15571), (129, 15598), (153, 15700), (169, 15751), (195, 15880), (197, 15886), (202, 15907), (213, 15967), (216, 15982),

Gene: Tycho_21 Start: 16586, Stop: 17413, Start Num: 15

Candidate Starts for Tycho_21:

(Start: 15 @16586 has 44 MA's), (18, 16595), (59, 16697), (86, 16787), (120, 16928), (129, 16976), (140, 17027), (153, 17081), (169, 17132), (176, 17150), (184, 17180), (186, 17201), (189, 17237), (197, 17267), (213, 17348), (217, 17366), (220, 17381),

Gene: Tydolla_15 Start: 13878, Stop: 14687, Start Num: 20

Candidate Starts for Tydolla_15:

(Start: 20 @13878 has 44 MA's), (46, 13941), (62, 14004), (87, 14100), (97, 14148), (99, 14154), (111, 14202), (127, 14274), (134, 14304), (141, 14325), (156, 14385), (163, 14406), (184, 14472), (215, 14613), (216, 14616),

Gene: TyrionL_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for TyrionL_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Tyrumbra_26 Start: 14883, Stop: 15692, Start Num: 22

Candidate Starts for Tyrumbra_26:

(Start: 22 @14883 has 393 MA's), (60, 14985), (Start: 61 @14994 has 2 MA's), (63, 15003), (79, 15063), (Start: 80 @15066 has 1 MA's), (99, 15126), (128, 15261), (132, 15300), (153, 15384), (155, 15393), (200, 15549), (210, 15603), (224, 15657), (228, 15681),

Gene: UAch1_13 Start: 11602, Stop: 12405, Start Num: 22

Candidate Starts for UAch1_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: UncleHowie_13 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for UncleHowie_13:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Usavi_13 Start: 11599, Stop: 12402, Start Num: 22

Candidate Starts for Usavi_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: Vaishali24_12 Start: 11274, Stop: 12077, Start Num: 22

Candidate Starts for Vaishali24_12:

(Start: 22 @11274 has 393 MA's), (33, 11295), (37, 11307), (40, 11319), (83, 11481), (99, 11550), (111, 11598), (127, 11670), (140, 11715), (144, 11739), (158, 11790), (182, 11844), (192, 11901), (203, 11940),

Gene: Valary_23 Start: 14709, Stop: 15521, Start Num: 22

Candidate Starts for Valary_23:

(Start: 22 @14709 has 393 MA's), (53, 14790), (96, 14940), (129, 15087), (137, 15123), (167, 15237), (226, 15507),

Gene: Valjean_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Valjean_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: VanDeWege_23 Start: 14637, Stop: 15449, Start Num: 22

Candidate Starts for VanDeWege_23:

(Start: 22 @14637 has 393 MA's), (53, 14718), (96, 14868), (129, 15015), (137, 15051), (167, 15165), (226, 15435),

Gene: Vaticameos_13 Start: 11306, Stop: 12103, Start Num: 22

Candidate Starts for Vaticameos_13:

(Start: 22 @11306 has 393 MA's), (33, 11327), (37, 11339), (40, 11351), (83, 11513), (99, 11582), (111, 11630), (127, 11702), (140, 11747), (144, 11771), (158, 11822), (182, 11876), (192, 11933), (203, 11972),

Gene: Veritas_12 Start: 11149, Stop: 11946, Start Num: 22

Candidate Starts for Veritas_12:

(Start: 22 @11149 has 393 MA's), (33, 11170), (37, 11182), (40, 11194), (99, 11425), (111, 11473), (127, 11545), (140, 11590), (144, 11614), (158, 11665), (182, 11719), (192, 11776), (203, 11815),

Gene: Verity_22 Start: 17000, Stop: 17824, Start Num: 21

Candidate Starts for Verity_22:

(Start: 21 @17000 has 9 MA's), (Start: 49 @17072 has 6 MA's), (99, 17255), (107, 17282), (114, 17312), (129, 17384), (133, 17405), (153, 17486), (169, 17537), (178, 17558), (184, 17585), (189, 17642), (195, 17666), (197, 17672), (200, 17687), (202, 17693), (218, 17774), (220, 17786),

Gene: ViaConlectus_23 Start: 17552, Stop: 18376, Start Num: 21

Candidate Starts for ViaConlectus_23:

(Start: 21 @17552 has 9 MA's), (Start: 49 @17624 has 6 MA's), (67, 17690), (99, 17807), (114, 17864), (129, 17936), (133, 17957), (153, 18038), (157, 18059), (169, 18089), (178, 18110), (184, 18137), (195, 18218), (197, 18224), (202, 18245), (209, 18290), (212, 18302), (218, 18326),

Gene: Viceroy_25 Start: 15389, Stop: 16123, Start Num: 25

Candidate Starts for Viceroy_25:

(Start: 19 @15380 has 1 MA's), (Start: 25 @15389 has 39 MA's), (48, 15449), (74, 15542), (100, 15641), (142, 15803), (155, 15851), (161, 15872), (188, 15971),

Gene: Vincenzo_14 Start: 14119, Stop: 14907, Start Num: 22

Candidate Starts for Vincenzo_14:

(Start: 22 @14119 has 393 MA's), (36, 14140), (37, 14143), (40, 14155), (98, 14386), (99, 14389), (116, 14458), (121, 14479), (127, 14509), (146, 14593), (158, 14641), (192, 14752), (204, 14794), (212, 14836), (225, 14884),

Gene: VioletZ_13 Start: 13349, Stop: 14143, Start Num: 22

Candidate Starts for VioletZ_13:

(Start: 22 @13349 has 393 MA's), (33, 13370), (62, 13481), (97, 13619), (111, 13673), (116, 13694), (121, 13715), (123, 13721), (141, 13808), (152, 13850), (184, 13946), (185, 13949), (192, 13988), (204, 14030), (212, 14072), (225, 14120),

Gene: Virapocalypse_13 Start: 11600, Stop: 12397, Start Num: 22

Candidate Starts for Virapocalypse_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Virgeve_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Virgeve_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Vista_13 Start: 11605, Stop: 12402, Start Num: 22

Candidate Starts for Vista_13:

(Start: 22 @11605 has 393 MA's), (33, 11626), (37, 11638), (40, 11650), (83, 11812), (99, 11881), (111, 11929), (127, 12001), (140, 12046), (144, 12070), (158, 12121), (182, 12175), (192, 12232), (203, 12271),

Gene: Vivaldi_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Vivaldi_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: Vivi2_21 Start: 17307, Stop: 18137, Start Num: 15

Candidate Starts for Vivi2_21:

(Start: 15 @17307 has 44 MA's), (18, 17316), (59, 17421), (86, 17511), (99, 17565), (104, 17589), (120, 17652), (129, 17700), (135, 17727), (141, 17757), (169, 17856), (184, 17904), (189, 17961), (195, 17985), (197, 17991), (210, 18060), (213, 18072), (217, 18090), (220, 18105),

Gene: Vortex_13 Start: 11310, Stop: 12113, Start Num: 22

Candidate Starts for Vortex_13:

(Start: 22 @11310 has 393 MA's), (33, 11331), (37, 11343), (40, 11355), (83, 11517), (99, 11586), (111, 11634), (127, 11706), (140, 11751), (144, 11775), (158, 11826), (182, 11880), (192, 11937), (203, 11976),

Gene: Waleliano_13 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Waleliano_13:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (127, 13742), (141, 13805), (152, 13847), (184, 13943), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: Wallhey_12 Start: 11161, Stop: 11958, Start Num: 22

Candidate Starts for Wallhey_12:

(Start: 22 @11161 has 393 MA's), (33, 11182), (37, 11194), (40, 11206), (99, 11437), (111, 11485), (127, 11557), (140, 11602), (144, 11626), (158, 11677), (182, 11731), (192, 11788), (203, 11827),

Gene: Waterdiva_13 Start: 11603, Stop: 12400, Start Num: 22

Candidate Starts for Waterdiva_13:

(Start: 22 @11603 has 393 MA's), (33, 11624), (37, 11636), (40, 11648), (99, 11879), (111, 11927), (127, 11999), (140, 12044), (144, 12068), (158, 12119), (182, 12173), (192, 12230), (203, 12269),

Gene: Wayne3_27 Start: 16354, Stop: 17088, Start Num: 25

Candidate Starts for Wayne3_27:

(Start: 19 @16345 has 1 MA's), (Start: 25 @16354 has 39 MA's), (48, 16414), (74, 16507), (100, 16606), (142, 16768), (155, 16816), (161, 16837), (188, 16936),

Gene: Weher20_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for Weher20_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: West99_16 Start: 14652, Stop: 15470, Start Num: 13

Candidate Starts for West99_16:

(Start: 13 @14652 has 33 MA's), (62, 14796), (83, 14877), (96, 14931), (97, 14937), (112, 14997), (122, 15036), (129, 15075), (141, 15114), (170, 15210), (184, 15258), (192, 15300), (202, 15336), (216, 15402),

Gene: Wheelie_25 Start: 15705, Stop: 16439, Start Num: 25

Candidate Starts for Wheelie_25:

(Start: 19 @15696 has 1 MA's), (Start: 25 @15705 has 39 MA's), (48, 15765), (74, 15858), (100, 15957), (142, 16119), (155, 16167), (161, 16188), (188, 16287),

Gene: Wilca_25 Start: 14837, Stop: 15583, Start Num: 25

Candidate Starts for Wilca_25:

(Start: 19 @14828 has 1 MA's), (Start: 25 @14837 has 39 MA's), (122, 15164), (153, 15287), (155, 15296), (181, 15371), (183, 15386), (211, 15524), (213, 15533), (222, 15569),

Gene: Windsor_12 Start: 11263, Stop: 12066, Start Num: 22

Candidate Starts for Windsor_12:

(Start: 22 @11263 has 393 MA's), (33, 11284), (37, 11296), (40, 11308), (83, 11470), (99, 11539), (111, 11587), (127, 11659), (140, 11704), (144, 11728), (158, 11779), (182, 11833), (192, 11890), (203, 11929),

Gene: Wizard_20 Start: 13964, Stop: 14776, Start Num: 22

Candidate Starts for Wizard_20:

(Start: 22 @13964 has 393 MA's), (53, 14045), (96, 14195), (129, 14342), (137, 14378), (167, 14492), (226, 14762),

Gene: Wooper_14 Start: 13117, Stop: 13890, Start Num: 22

Candidate Starts for Wooper_14:

(Start: 22 @13117 has 393 MA's), (62, 13249), (123, 13480), (139, 13546), (141, 13555), (184, 13699), (212, 13825), (215, 13840),

Gene: Xavier_12 Start: 11309, Stop: 12112, Start Num: 22

Candidate Starts for Xavier_12:

(Start: 22 @11309 has 393 MA's), (33, 11330), (37, 11342), (40, 11354), (83, 11516), (99, 11585), (111, 11633), (127, 11705), (140, 11750), (144, 11774), (158, 11825), (182, 11879), (192, 11936), (203, 11975),

Gene: Yago84_12 Start: 11977, Stop: 12759, Start Num: 22

Candidate Starts for Yago84_12:

(Start: 22 @11977 has 393 MA's), (37, 12016), (51, 12070), (112, 12310), (118, 12334), (153, 12472), (157, 12493), (187, 12589), (191, 12610), (195, 12628), (204, 12655), (222, 12736),

Gene: Yahalom_15 Start: 13152, Stop: 13961, Start Num: 20

Candidate Starts for Yahalom_15:

(Start: 20 @13152 has 44 MA's), (46, 13215), (62, 13278), (87, 13374), (97, 13422), (99, 13428), (111, 13476), (127, 13548), (134, 13578), (141, 13599), (156, 13659), (163, 13680), (184, 13746), (215, 13887), (216, 13890),

Gene: Yeti_28 Start: 15862, Stop: 16509, Start Num: 80

Candidate Starts for Yeti_28:

(Start: 22 @15679 has 393 MA's), (Start: 61 @15790 has 2 MA's), (Start: 80 @15862 has 1 MA's), (99, 15922), (129, 16072), (135, 16099), (140, 16123), (142, 16138), (153, 16177), (155, 16186), (157, 16198), (210, 16420), (224, 16474),

Gene: Yinz_15 Start: 13179, Stop: 13988, Start Num: 20

Candidate Starts for Yinz_15:

(Start: 20 @13179 has 44 MA's), (46, 13242), (62, 13305), (87, 13401), (97, 13449), (99, 13455), (111, 13503), (127, 13575), (134, 13605), (137, 13608), (141, 13626), (156, 13686), (163, 13707), (184, 13773), (215, 13914), (216, 13917),

Gene: YorkOnyx_22 Start: 16855, Stop: 17682, Start Num: 15

Candidate Starts for YorkOnyx_22:

(Start: 15 @16855 has 44 MA's), (18, 16864), (59, 16966), (86, 17056), (120, 17197), (129, 17245), (140, 17296), (153, 17350), (169, 17401), (176, 17419), (184, 17449), (186, 17470), (189, 17506), (197, 17536), (213, 17617), (217, 17635), (220, 17650),

Gene: Yoshand_13 Start: 11600, Stop: 12403, Start Num: 22

Candidate Starts for Yoshand_13:

(Start: 22 @11600 has 393 MA's), (33, 11621), (37, 11633), (40, 11645), (83, 11807), (99, 11876), (111, 11924), (127, 11996), (140, 12041), (144, 12065), (158, 12116), (182, 12170), (192, 12227), (203, 12266),

Gene: YouGoGlencoco_13 Start: 11599, Stop: 12396, Start Num: 22

Candidate Starts for YouGoGlencoco_13:

(Start: 22 @11599 has 393 MA's), (33, 11620), (37, 11632), (40, 11644), (83, 11806), (99, 11875), (111, 11923), (127, 11995), (140, 12040), (144, 12064), (158, 12115), (182, 12169), (192, 12226), (203, 12265),

Gene: YungMoney_22 Start: 15274, Stop: 16086, Start Num: 22

Candidate Starts for YungMoney_22:

(Start: 22 @15274 has 393 MA's), (53, 15355), (96, 15505), (125, 15625), (129, 15652), (167, 15802), (185, 15856), (195, 15934), (226, 16072),

Gene: Zagie_26 Start: 15893, Stop: 16627, Start Num: 25

Candidate Starts for Zagie_26:

(Start: 19 @15884 has 1 MA's), (Start: 25 @15893 has 39 MA's), (48, 15953), (74, 16046), (100, 16145), (142, 16307), (155, 16355), (161, 16376), (188, 16475), (194, 16502),

Gene: Zaider_14 Start: 11832, Stop: 12629, Start Num: 22

Candidate Starts for Zaider_14:

(Start: 22 @11832 has 393 MA's), (33, 11853), (37, 11865), (40, 11877), (83, 12039), (99, 12108), (111, 12156), (127, 12228), (140, 12273), (144, 12297), (158, 12348), (182, 12402), (192, 12459), (203, 12498),

Gene: Zelda_13 Start: 11602, Stop: 12399, Start Num: 22

Candidate Starts for Zelda_13:

(Start: 22 @11602 has 393 MA's), (33, 11623), (37, 11635), (40, 11647), (83, 11809), (99, 11878), (111, 11926), (127, 11998), (140, 12043), (144, 12067), (158, 12118), (182, 12172), (192, 12229), (203, 12268),

Gene: Zemanar_14 Start: 13346, Stop: 14140, Start Num: 22

Candidate Starts for Zemanar_14:

(Start: 22 @13346 has 393 MA's), (33, 13367), (37, 13379), (62, 13478), (97, 13616), (111, 13670), (116, 13691), (121, 13712), (123, 13718), (127, 13742), (141, 13805), (152, 13847), (184, 13943), (192, 13985), (204, 14027), (212, 14069), (225, 14117),

Gene: Zenteno07_18 Start: 12750, Stop: 13520, Start Num: 27

Candidate Starts for Zenteno07_18:

(Start: 27 @12750 has 2 MA's), (33, 12762), (62, 12870), (63, 12876), (83, 12948), (98, 13014), (141, 13191), (192, 13371), (204, 13413), (212, 13455), (225, 13503),

Gene: Zhafia_29 Start: 16216, Stop: 16950, Start Num: 25

Candidate Starts for Zhafia_29:

(Start: 19 @16207 has 1 MA's), (Start: 25 @16216 has 39 MA's), (48, 16276), (74, 16369), (100, 16468), (142, 16630), (155, 16678), (161, 16699), (188, 16798),

Gene: Zipp_22 Start: 17649, Stop: 18473, Start Num: 21

Candidate Starts for Zipp_22:

(Start: 21 @17649 has 9 MA's), (Start: 49 @17721 has 6 MA's), (99, 17904), (107, 17931), (114, 17961), (129, 18033), (133, 18054), (153, 18135), (169, 18186), (178, 18207), (184, 18234), (189, 18291), (195, 18315), (197, 18321), (200, 18336), (202, 18342), (218, 18423), (220, 18435),

Gene: Zitch_24 Start: 16782, Stop: 17606, Start Num: 21

Candidate Starts for Zitch_24:

(17, 16773), (Start: 21 @16782 has 9 MA's), (Start: 49 @16854 has 6 MA's), (67, 16920), (99, 17037), (114, 17094), (129, 17166), (133, 17187), (153, 17268), (157, 17289), (169, 17319), (178, 17340), (184, 17367), (195, 17448), (197, 17454), (202, 17475), (218, 17556),

Gene: Zonia_13 Start: 11616, Stop: 12413, Start Num: 22

Candidate Starts for Zonia_13:

(Start: 22 @11616 has 393 MA's), (33, 11637), (37, 11649), (40, 11661), (99, 11892), (111, 11940), (127, 12012), (140, 12057), (144, 12081), (158, 12132), (182, 12186), (192, 12243), (203, 12282),