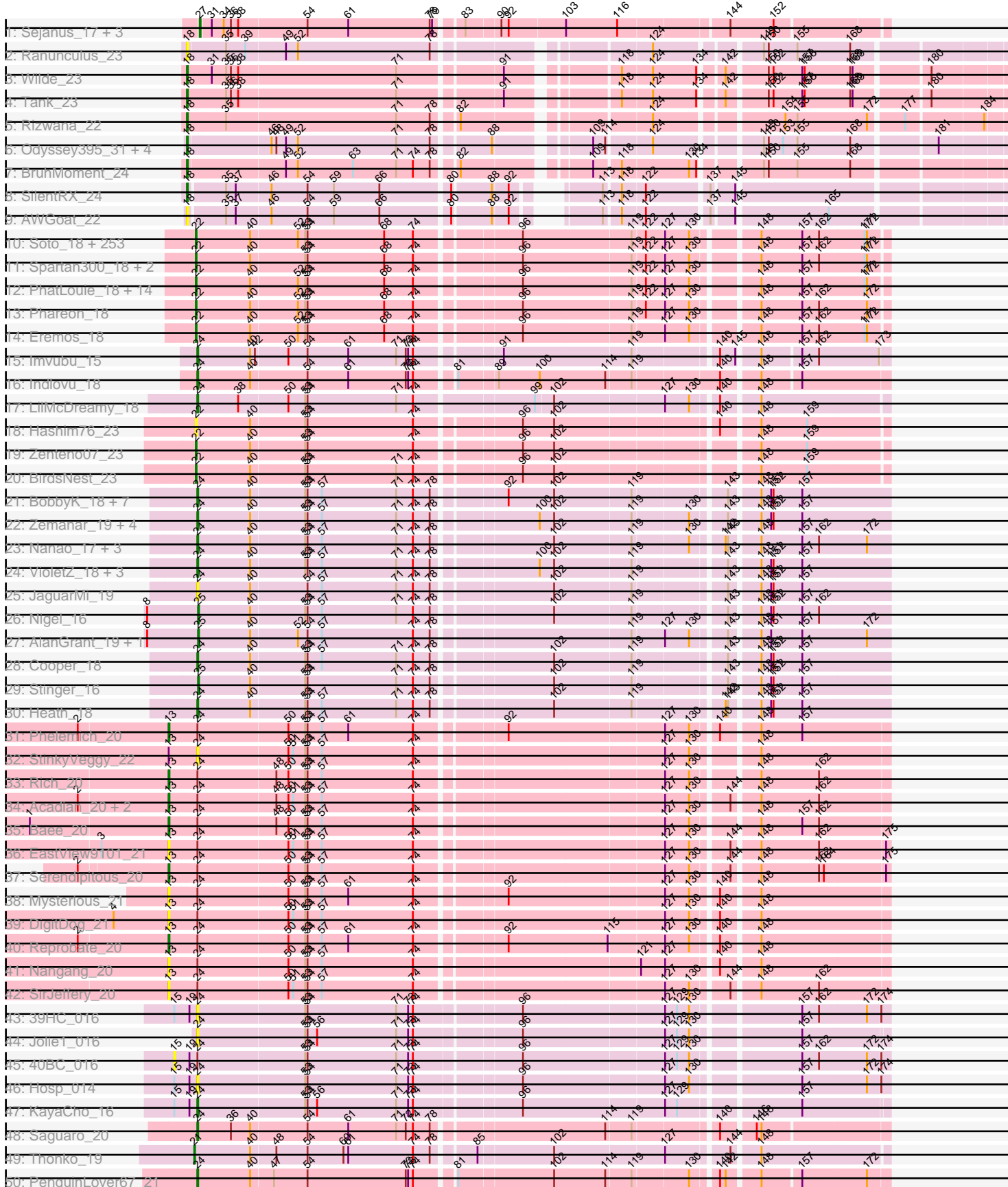
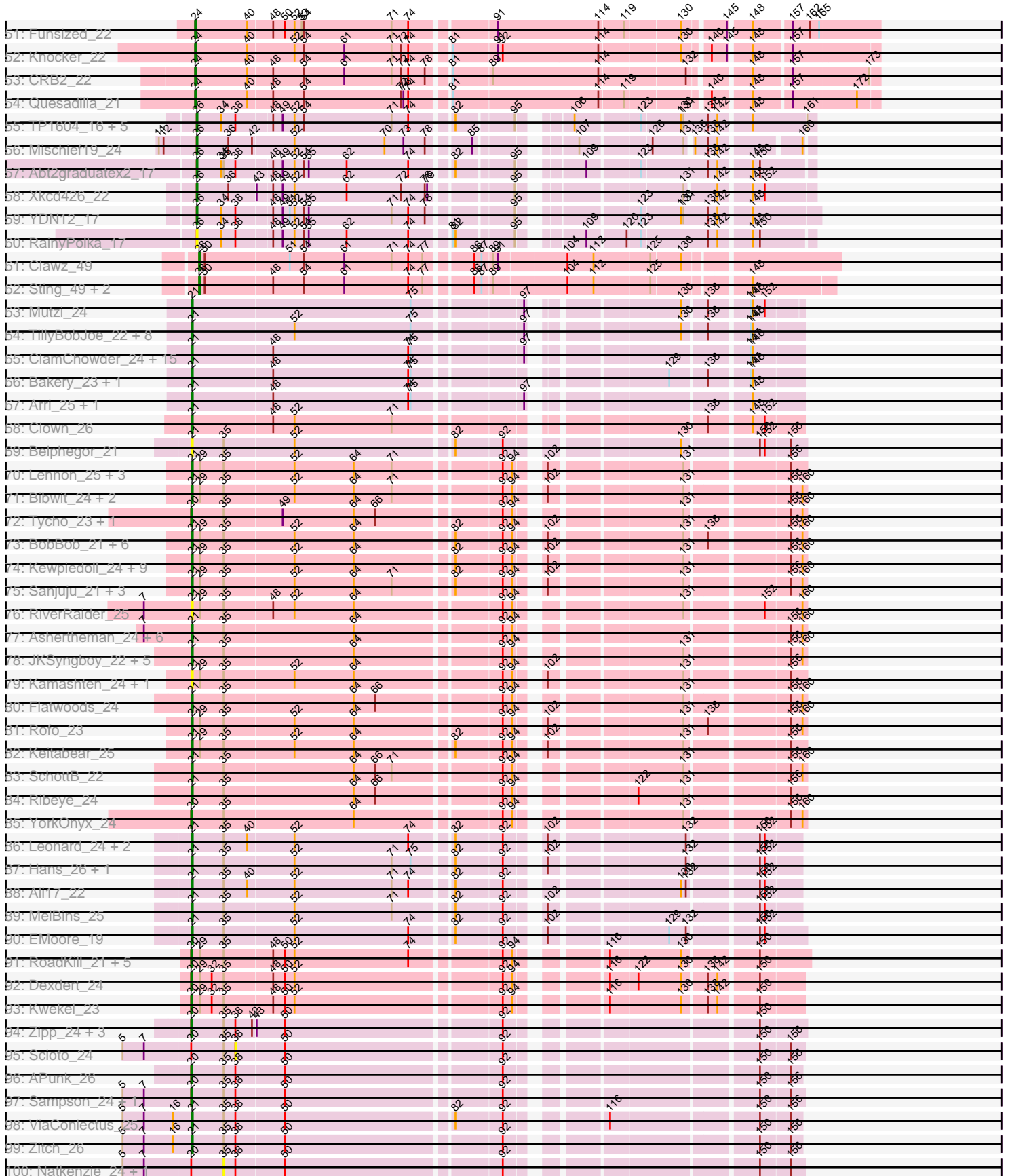


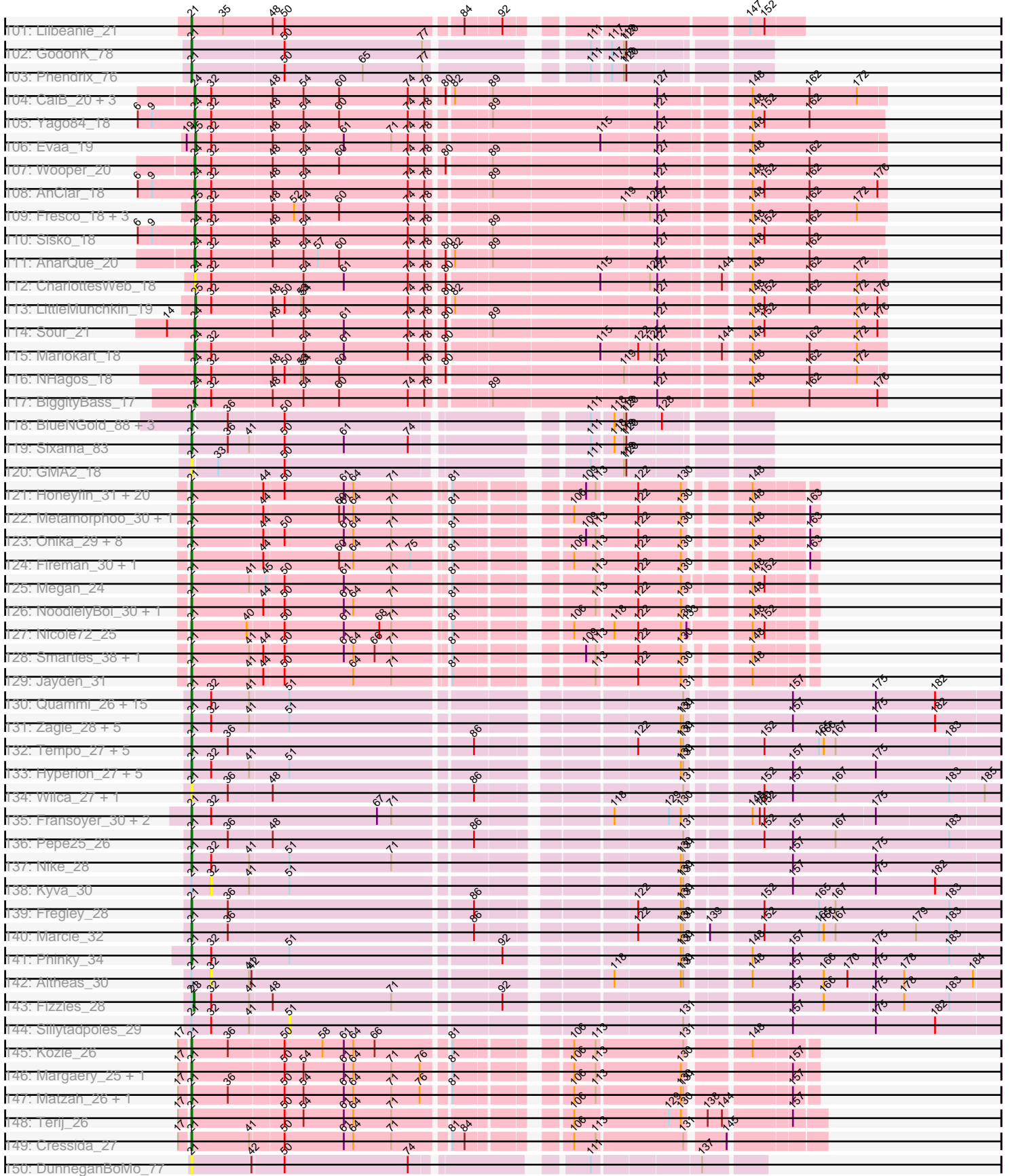
Pham 163240



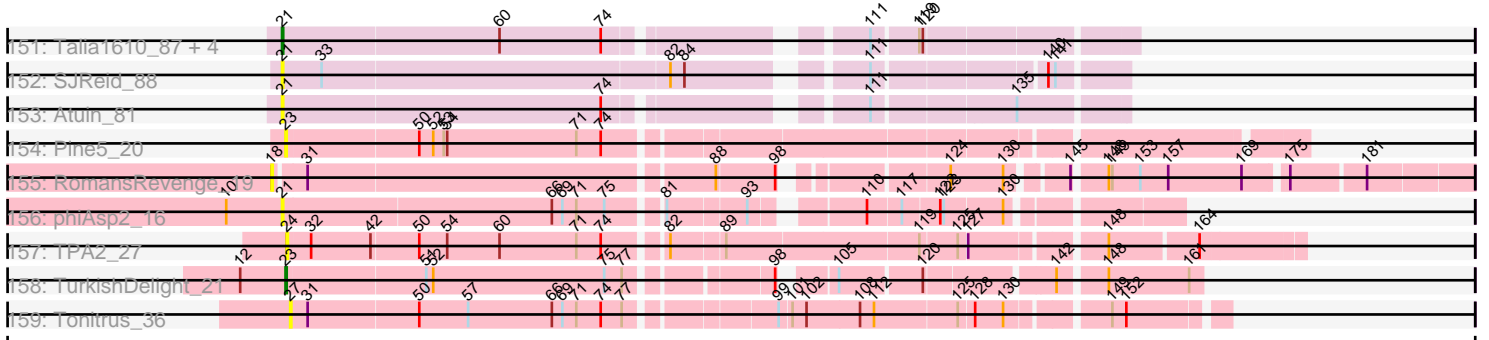
Pham 163240



Pham 163240



Pham 163240



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 163240 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163240 has 616 members, 104 are drafts.

Phages represented in each track:

- Track 1 : Sejanus_17, Mao1_16, Mask_17, Dori_17
- Track 2 : Ranunculus_23
- Track 3 : Wilde_23
- Track 4 : Tank_23
- Track 5 : Rizwana_22
- Track 6 : Odyssey395_31, Beagle_30, MellowYellow_24, Pointis_29, Pureglobe5_31
- Track 7 : BruhMoment_24
- Track 8 : SilentRX_24
- Track 9 : AWGoat_22
- Track 10 : Soto_18, Phergie_17, TallGrassMM_18, Simielle_17, Zaider_19, HenryJackson_17, BlackStallion_18, Gyarad_0018, Puhltonio_18, Cornobble_17, Fringe_18, FugateOSU_17, Numberten_18, JacAttac_18, Lulumae_17, Phamished_18, Doddsville_18, OliverWalter_18, Andre_18, HSavage_18, Gwilliam_18, Dione_17, Bishoperium_17, FluffyNinja_18, Mikota_18, Yoshand_18, Virgeve_17, Etaye_18, Toni_17, Plmatters_18, Mcshane_17, Melc17_18, AltPhacts_18, Hocus_17, UAch1_18, CheetO_18, Hartsy_17, Nacho_0018, Vista_18, JakeO_17, Piglet_0017, AbsoluteMadLad_17, CamL_18, Morty_18, Daffy_18, Squid_18, Antonia_17, Weher20_18, DelRivs_17, ABU_18, Mosaic_17, KlimbOn_18, BlueHusk_18, Hamish_18, Suffolk_18, Rimu_17, PhenghisKhan_17, Windsor_17, ThreeOh3D2_18, Grand2040_17, ImtiyazSitla_17, Charles1_18, Solosis_17, Mutante_17, Sophia_17, Crownjwl_18, Kikipoo_18, Vaishali24_17, Maru_17, Serendipity_18, Roy17_18, Maskar_17, MRabcd_17, Placalicious_17, Olive_18, Swish_18, Haimas_18, DirtJuice_18, Oline_17, Jiraiya_18, Pherdinand_18, DuchessDung_17, Chorkpop_18, Hetaeria_18, Surely_18, Phleuron_17, Slatt_18, Derpp_17, Carthage_17, Orfeu_17, Giraffe_18, Phipps_18, KLucky39_18, Burr_17, Selr12_18, MrPhizzler_17, DaddyDaniels_18, UncleHowie_18, Virapocalypse_18, Pipsqueak_18, Childish_17, IsaacEli_18, MiniBoss_18, Apizium_17, Mulan_17, LuckyMarjie_17, Duggie_17, Prickles_18, MichaelPhcott_17, PhrankReynolds_17, Gophee_18, Schueller_17, Horchata_18, Kailash_18, OSmaximus_18, Morgushi_18, Mana_17, Katniss_18, Magic8_18, True_17, Boehler_18, MitKao_18, Olak_17, Thunderbird_18, DoesntMatter_18, JangoPhett_18, Aelin_17, Riggan_18, SDcharge11_18, Durga_18, Sigman_18, Soile_18, Mecca_17, Mesh1_18, Fang_18, Labeouficaum_17, TomBombadil_18, Quisquillae_18, Craff_18, Waterdiva_18, Kwadwo_17, Manad_17, PhrodoBaggins_17, Gareth_17, Chute_17, JDog_17, Beaglebox_17, Mag7_17, Robyn_17, Cannibal_18, FriarPreacher_18, Bluephacebaby_17, Podrick_18, Lasso_18, Altwerkus_17, Scoot17C_18, Emiris_18,

Ashraf_17, LostAndPhound_17, Lopsy_17, Samaymay_18, Schadenfreude_17,
 Dati_18, Tooj_18, Haleema_17, RedMaple_17, Newman_18, Dingo_18,
 ProfessorX_18, Pacifista_19, Chaelin_17, Orion_18, Xavier_17, Lulwa_18,
 SassyCat97_17, Megatron_18, Cobra_18, PG1_18, Vortex_18, QueenBeane_18,
 Telesworld_17, Omniscient_18, Vivaldi_18, LeeLot_18, Murdoc_18, Coletti_17,
 Iridoclysis_18, Vaticameos_18, KingTut_17, Inchworm_18, PinheadLarry_18,
 Potter_17, Pops_18, Longacauda_17, Held_18, Lego3393_18, CampRoach_17,
 Kimbrough_18, Lumine_17, Scrick_17, Oosterbaan_18, Anderson_18, Roliet_18,
 Harvey_18, Legolas_17, Matalotodo_17, Nyala_17, Tomlarah_18, LemonSlice_18,
 Timmi_17, TyrionL_17, Hertubise_18, Inverness_18, Fozzie_17, Chunky_18,
 Zelda_18, Jillium_17, DonSanchon_17, Badfish_18, Thora_18, Orwigg_18,
 Adriana_18, HighStump_17, LasagnaCat_18, Frankicide_18, Basato_19, Dice_18,
 Daka_18, Freya_17, Roscoe_19, Cher_17, Buckeye_18, Ricotta_18,
 Serpentine_0018, Colbert_18, Megamind20_18, Banjo_17, Brilliant_18, Veritas_17,
 Skippy_18, LeiMonet_18, Kahve_17, Usavi_18, YouGoGlencoco_18, Squiggle_18,
 Phunky_18, ShiVal_18, Cosmolli16_17, Eugenia_18, Kloppinator_18, Chah_18,
 KingVeVeVe_18, Nicole21_18, PhatCats2014_18
 • Track 11 : Spartan300_18, Valjean_18, EmpTee_18
 • Track 12 : PhatLouie_18, Keitherie_18, CharlieGBrown_17, BatteryCK_17,
 Zonia_18, MelsMeow_17, Wallhey_17, Kwksand96_17, Struggle_17, Sheila_18,
 Pinkman_17, GeneCoco_18, Jiminy_17, Trypo_18, Swiphy_18
 • Track 13 : Phareon_18
 • Track 14 : Eremos_18
 • Track 15 : Imvubu_15
 • Track 16 : Indlovu_18
 • Track 17 : LilMcDreamy_18
 • Track 18 : Hashim76_23
 • Track 19 : Zenteno07_23
 • Track 20 : BirdsNest_23
 • Track 21 : BobbyK_18, Fortunato_18, Frederick_18, Mudslide_18, RawrgerThat_18,
 Austelle_19, Prince_19, Apex_18
 • Track 22 : Zemanar_19, Mithril_18, Hangman_18, Waleliano_18, BrownCNA_19
 • Track 23 : Nanao_17, ChrisnMich_17, Poster_17, JAMaL_18
 • Track 24 : VioletZ_18, Lolalove_18, Magpie_18, Hydro_18
 • Track 25 : JaguarMi_19
 • Track 26 : Nigel_16
 • Track 27 : AlanGrant_19, Vincenzo_19
 • Track 28 : Cooper_18
 • Track 29 : Stinger_16
 • Track 30 : Heath_18
 • Track 31 : Phelemich_20
 • Track 32 : StinkyVeggy_22
 • Track 33 : Rich_20
 • Track 34 : Acadian_20, Donny_20, Suigeneris_20
 • Track 35 : Bae_20
 • Track 36 : EastView9101_21
 • Track 37 : Serendipitous_20
 • Track 38 : Mysterious_21
 • Track 39 : DigitDog_21
 • Track 40 : Reprobate_20
 • Track 41 : Nangang_20
 • Track 42 : SirJeffery_20
 • Track 43 : 39HC_016

- Track 44 : Jolie1_016
- Track 45 : 40BC_016
- Track 46 : Hosp_014
- Track 47 : KayaCho_16
- Track 48 : Saguaro_20
- Track 49 : Thonko_19
- Track 50 : PenguinLover67_21
- Track 51 : Funsized_22
- Track 52 : Knocker_22
- Track 53 : CRB2_22
- Track 54 : Quesadilla_21
- Track 55 : TP1604_16, Salete_16, Asis_16, BayC_16, BabyGotBac_16, Maih_16
- Track 56 : Mischief19_24
- Track 57 : Abt2graduatex2_17
- Track 58 : Xkcd426_22
- Track 59 : YDN12_17
- Track 60 : RainyPolka_17
- Track 61 : Clawz_49
- Track 62 : Sting_49, DonTron_49, Soos_45
- Track 63 : Mutzi_24
- Track 64 : TillyBobJoe_22, Gezellig_23, Valary_25, Phlop_22, Portcullis_22, Wizard_22, PullumCavea_22, Shinji_22, Fireball_23
- Track 65 : ClamChowder_24, PinkCoffee_24, KimmyK_24, Halo3_23, Salvador_22, Twister6_24, VanDeWege_25, Danyall_24, Fugax_24, Jambalaya_22, Togo_22, Evamon_22, Savbucketdawg_22, Nubi_22, Barb_24, SmokingBunny_22
- Track 66 : Bakery_23, YungMoney_24
- Track 67 : Arri_25, RogerDodger_25
- Track 68 : Clown_26
- Track 69 : Belphegor_21
- Track 70 : Lennon_25, ChadMasterC_23, Fitzgerald_21, Sitar_25
- Track 71 : Bibwit_24, Stultus_23, Sedona_25
- Track 72 : Tycho_23, Gaea_23
- Track 73 : BobBob_21, Shivanishola_23, Charming_21, Vivi2_23, Affeca_23, Tangent_21, Angelicage_23
- Track 74 : Kewpiedoll_24, Galadriel_25, Ailee_23, MoontowerMania_22, Fosterous_21, McKinley_24, Love_25, Paries_24, Geodirt_22, Nordenberg_18
- Track 75 : Sanjuju_21, Barsten_24, Jabberwocky_21, Brandonk123_25
- Track 76 : RiverRaider_25
- Track 77 : Ashertheman_24, Baumdotcom_23, Gustavo_23, Kwobi_24, Tangerine_23, Saronaya_23, StorminNorm_23
- Track 78 : JKSyngboy_22, Bizzy_24, LilHam_21, Kroos_24, Derg_21, Baddon_23
- Track 79 : Kamashten_24, Thing3_24
- Track 80 : Flatwoods_24
- Track 81 : Rofo_23
- Track 82 : Keitabear_25
- Track 83 : SchottB_22
- Track 84 : Ribeye_24
- Track 85 : YorkOnyx_24
- Track 86 : Leonard_24, Phinally_24, Inspectinfecti_25
- Track 87 : Hans_26, Phauci_17
- Track 88 : Ali17_22
- Track 89 : MelBins_25
- Track 90 : EMoore_19

- Track 91 : RoadKill_21, Tiamoceli_24, GTE6_23, Chickadee_23, EdmundFerry_22, Twonlo_21
- Track 92 : Dexeert_24
- Track 93 : Kwekel_23
- Track 94 : Zipp_24, Delrey21_24, DoctorFroggo_24, Verity_24
- Track 95 : Scioto_24
- Track 96 : APunk_26
- Track 97 : Sampson_24, Tardus_25
- Track 98 : ViaConlectus_25
- Track 99 : Zitch_26
- Track 100 : Natkenzie_24, Abblin_24
- Track 101 : Lilbeanie_21
- Track 102 : GodonK_78
- Track 103 : Phendrix_76
- Track 104 : CaiB_20, CloverMinnie_20, MakoManhole_20, MossRose_20
- Track 105 : Yago84_18
- Track 106 : Evaa_19
- Track 107 : Wooper_20
- Track 108 : AnClar_18
- Track 109 : Fresco_18, Axumite_18, Shatter_18, Ligma_18
- Track 110 : Sisko_18
- Track 111 : AnarQue_20
- Track 112 : CharlottesWeb_18
- Track 113 : LittleMunchkin_19
- Track 114 : Sour_21
- Track 115 : Mariokart_18
- Track 116 : NHagos_18
- Track 117 : BiggityBass_17
- Track 118 : BlueNGold_88, Boopy_89, Forza_89, Mareelih_87
- Track 119 : Sixama_83
- Track 120 : GMA2_18
- Track 121 : Honeyfin_31, Jollipop_30, Savannah_29, EarickHC_30, Jefe_30, KaiHaiDragon_30, Kowalski_29, Pulchra_31, Paschalis_29, Ganandorf_29, PiperSansNom_30, Selwyn23_31, Ramiel05_29, Crisis_31, PierreOrion_30, LittleFortune_31, Yeti_30, Busephilis_29, Quhwah_33, CrazyRich_29, Piperis_30
- Track 122 : Metamorphoo_30, RobsFeet_31
- Track 123 : Onika_29, Antares_30, Scumberland_31, Phrancesco_30, Shotgun_29, Hermeonysus_29, BrazzalePHS_29, Cranjis_31, Phorgeous_29
- Track 124 : Fireman_30, Tyumbra_28
- Track 125 : Megan_24
- Track 126 : NoodlelyBoi_30, ClearAsMud_32
- Track 127 : Nicole72_25
- Track 128 : Smarties_38, Ariadne_38
- Track 129 : Jayden_31
- Track 130 : Quammi_26, Lonelysoil_27, Rudy_26, Jehoshaphat_30, Phabia_28, Zhafia_31, Casend_29, Wayne3_29, Viceroy_27, Llemily_28, Wheelie_27, Teehee_29, DonaldDuck_28, Squash_30, StrawberryJamm_30, SallyK_29
- Track 131 : Zagie_28, Tissue_28, Grassboy_29, Rowlf_25, Judebell_30, Namago_28
- Track 132 : Tempo_27, Romm_29, CandC_26, Kelcole_26, OneinaGillian_27, RobinRose_29
- Track 133 : Hyperion_27, Blab_26, Mashley_26, AluminumJesus_26, Gazebo_27, BabyDotz_27

- Track 134 : Wilca_27, BirdInFrench_27
- Track 135 : Fransoyer_30, SadLad_32, RubyRalph_30
- Track 136 : Pepe25_26
- Track 137 : Nike_28
- Track 138 : Kyva_30
- Track 139 : Fregley_28
- Track 140 : Marcie_32
- Track 141 : Phinky_34
- Track 142 : Altheas_30
- Track 143 : Fizzles_28
- Track 144 : Sillytadpoles_29
- Track 145 : Kozie_26
- Track 146 : Margaery_25, MementoMori_26
- Track 147 : Matzah_26, Cinna_25
- Track 148 : Terij_26
- Track 149 : Cressida_27
- Track 150 : DunneganBoMo_77
- Track 151 : Talia1610_87, Racecar_84, Bloom_87, Patbob_84, Mimi_90
- Track 152 : SJReid_88
- Track 153 : Atuin_81
- Track 154 : Pine5_20
- Track 155 : RomansRevenge_19
- Track 156 : phiAsp2_16
- Track 157 : TPA2_27
- Track 158 : TurkishDelight_21
- Track 159 : Tonitrus_36

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 249 of the 512 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_18, AbsoluteMadLad_17, Adriana_18, Aelin_17, AltPhacts_18, Altwerkus_17, Anderson_18, Andre_18, Antonia_17, Apizium_17, Ashraf_17, Badfish_18, Banjo_17, Basato_19, BatteryCK_17, Beaglebox_17, BirdsNest_23, Bishoperium_17, BlackStallion_18, BlueHusk_18, Bluephacebaby_17, Boehler_18, Brilliant_18, Buckeye_18, Burr_17, CamL_18, CampRoach_17, Cannibal_18, Carthage_17, Chaelin_17, Chah_18, Charles1_18, CharlieGBrown_17, CheetO_18, Cher_17, Childish_17, Chorkpop_18, Chunky_18, Chute_17, Cobra_18, Colbert_18, Coletti_17, Cornobble_17, Cosmolli16_17, Craff_18, Crownjwl_18, DaddyDaniels_18, Daffy_18, Daka_18, Dati_18, DelRivs_17, Derpp_17, Dice_18, Dingo_18, Dione_17, DirtJuice_18, Doddsville_18, DoesntMatter_18, DonSanchon_17, DuchessDung_17, Duggie_17, Durga_18, Emiris_18, EmpTee_18, Eremos_18, Etaye_18, Eugenia_18, Fang_18, FluffyNinja_18, Fozzie_17, Frankicide_18, Freya_17, FriarPreacher_18, Fringe_18, FugateOSU_17, Gareth_17, GeneCoco_18, Giraffe_18, Gophee_18, Grand2040_17, Gwilliam_18, Gyarad_0018, HSavage_18, Haimas_18, Haleema_17, Hamish_18, Hartsy_17, Harvey_18, Hashim76_23, Held_18, HenryJackson_17, Hertubise_18, Hetaeria_18, HighStump_17, Hocus_17, Horchata_18, ImtiyazSitla_17, Inchworm_18, Inverness_18, Iridoclysis_18, IsaacEli_18, JDog_17,

JacAttac_18, JakeO_17, JangoPhett_18, Jillium_17, Jiminy_17, Jiraiya_18, KLucky39_18, Kahve_17, Kailash_18, Katniss_18, Keitherie_18, Kikipoo_18, Kimbrough_18, KingTut_17, KingVeVeVe_18, KlimbOn_18, Kloppinator_18, Kwadwo_17, Kwksand96_17, Labeouficaum_17, LasagnaCat_18, Lasso_18, LeeLot_18, Lego3393_18, Legolas_17, LeiMonet_18, LemonSlice_18, Longacauda_17, Lopsy_17, LostAndPhound_17, LuckyMarjie_17, Lulumae_17, Lulwa_18, Lumine_17, MRabcd_17, Mag7_17, Magic8_18, Mana_17, Manad_17, Maru_17, Maskar_17, Matalotodo_17, Mcshane_17, Mecca_17, Megamind20_18, Megatron_18, Melc17_18, MelsMeow_17, Mesh1_18, MichaelPhcott_17, Mikota_18, MiniBoss_18, MitKao_18, Morgushi_18, Morty_18, Mosaic_17, MrPhizzler_17, Mulan_17, Murdoc_18, Mutante_17, Nacho_0018, Newman_18, Nicole21_18, Numberten_18, Nyala_17, OSmaximus_18, Olak_17, Oline_17, Olive_18, OliverWalter_18, Omniscient_18, Oosterbaan_18, Orfeu_17, Orion_18, Orwigg_18, PG1_18, Pacifista_19, Phamished_18, Phareon_18, PhatCats2014_18, PhatLouie_18, PhenghisKhan_17, Pherdinand_18, Phergie_17, Phipps_18, Phleuron_17, PhrankReynolds_17, PhrodoBaggins_17, Phunky_18, Piglet_0017, PinheadLarry_18, Pinkman_17, Pipsqueak_18, Placalicious_17, Plmatters_18, Podrick_18, Pops_18, Potter_17, Prickles_18, ProfessorX_18, Puhltonio_18, QueenBeane_18, Quisquilliae_18, RedMaple_17, Ricotta_18, Riggan_18, Rimu_17, Robyn_17, Roliet_18, Roscoe_19, Roy17_18, SDcharge11_18, Samaymay_18, SassyCat97_17, Schadenfreude_17, Schueller_17, Scoot17C_18, Scrick_17, Selr12_18, Serendipity_18, Serpentine_0018, Sheila_18, ShiVal_18, Sigman_18, Simielle_17, Skippy_18, Slatt_18, Soile_18, Solosis_17, Sophia_17, Soto_18, Spartan300_18, Squid_18, Squiggle_18, Struggle_17, Suffolk_18, Surely_18, Swiphy_18, Swish_18, TallGrassMM_18, Telesworld_17, Thora_18, ThreeOh3D2_18, Thunderbird_18, Timmi_17, TomBombadil_18, Tomlarah_18, Toni_17, Tooj_18, True_17, Trypo_18, TyrionL_17, UAch1_18, UncleHowie_18, Usavi_18, Vaishali24_17, Valjean_18, Vaticameos_18, Veritas_17, Virapocalypse_18, Virgeve_17, Vista_18, Vivaldi_18, Vortex_18, Wallhey_17, Waterdiva_18, Weher20_18, Windsor_17, Xavier_17, Yoshand_18, YouGoGlencoco_18, Zaider_19, Zelda_18, Zenteno07_23, Zonia_18,

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

-

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

- 39HC_016, 40BC_016, APunk_26, AWGoat_22, Abblin_24, Abt2graduatex2_17, Acadian_20, Affeca_23, Ailee_23, AlanGrant_19, Ali17_22, Altheas_30, AluminumJesus_26, AnClar_18, AnarQue_20, Angelicage_23, Antares_30, Apex_18, Ariadne_38, Arri_25, Ashertheman_24, Asis_16, Atuin_81, Austelle_19, Axumite_18, BabyDotz_27, BabyGotBac_16, Baddon_23, Bae_20, Bakery_23, Barb_24, Barsten_24, Baumdotcom_23, BayC_16, Beagle_30, Belphegor_21, Bibwit_24, BiggityBass_17, BirdInFrench_27, Bizzy_24, Blab_26, Bloom_87, BlueNGold_88, BobBob_21, BobbyK_18, Boopy_89, Brandonk123_25, BrazzalePHS_29, BrownCNA_19, BruhMoment_24, Busephilis_29, CRB2_22, CaiB_20, CandC_26, Casend_29, ChadMasterC_23, CharlottesWeb_18, Charming_21, Chickadee_23, ChrisnMich_17, Cinna_25, ClamChowder_24, Clawz_49, ClearAsMud_32, CloverMinnie_20, Clown_26, Cooper_18, Cranjis_31, CrazyRich_29, Cressida_27, Crisis_31, Danyall_24, Delrey21_24, Derg_21, Dexdert_24, DigitDog_21, DoctorFroggo_24, DonTron_49, DonaldDuck_28, Donny_20, Dori_17, DunneganBoMo_77, EMoore_19, EarickHC_30, EastView9101_21, EdmundFerry_22, Evaa_19, Evamon_22, Fireball_23, Fireman_30, Fitzgerald_21, Fizzles_28, Flatwoods_24, Fortunato_18, Forza_89, Fosterous_21, Fransoyer_30,

Frederick_18, Fregley_28, Fresco_18, Fugax_24, Funsized_22, GMA2_18, GTE6_23, Gaea_23, Galadriel_25, Ganandorf_29, Gazebo_27, Geodirt_22, Gezellig_23, GodonK_78, Grassboy_29, Gustavo_23, Halo3_23, Hangman_18, Hans_26, Heath_18, Hermeonysus_29, Honeyfin_31, Hosp_014, Hydro_18, Hyperion_27, Imvubu_15, Indlovu_18, Inspectinfecti_25, JAMaL_18, JKSyngboy_22, Jabberwocky_21, JaguarMi_19, Jambalaya_22, Jayden_31, Jefe_30, Jehoshaphat_30, Jolie1_016, Jollipop_30, Judebell_30, KaiHaiDragon_30, Kamashten_24, KayaCho_16, Keitabear_25, Kelcole_26, Kewpiedoll_24, KimmyK_24, Knocker_22, Kowalski_29, Kozi_26, Kroos_24, Kwekel_23, Kwobi_24, Kyva_30, Lennon_25, Leonard_24, Ligma_18, LilHam_21, LilMcDreamy_18, Lilbeanie_21, LittleFortune_31, LittleMunchkin_19, Llemily_28, Lolalove_18, Lonelysoil_27, Love_25, Magpie_18, Maih_16, MakoManhole_20, Mao1_16, Marcie_32, Mareelih_87, Margaery_25, Mariokart_18, Mashley_26, Mask_17, Matzah_26, McKinley_24, Megan_24, MelBins_25, MellowYellow_24, MementoMori_26, Metamorphoo_30, Mimi_90, Mischief19_24, Mithril_18, MoontowerMania_22, MossRose_20, Mudslide_18, Mutzi_24, Mysterious_21, NHagos_18, Namago_28, Nanao_17, Nangang_20, Natkenzie_24, Nicole72_25, Nigel_16, Nike_28, NoodlelyBoi_30, Nordenberg_18, Nubi_22, Odyssey395_31, OneinaGillian_27, Onika_29, Paries_24, Paschalis_29, Patbob_84, PenguinLover67_21, Pepe25_26, Phabia_28, Phauci_17, Phelemich_20, Phendrix_76, Phinally_24, Phinky_34, Phlop_22, Phorgeous_29, Phrancesco_30, PierreOrion_30, Pine5_20, PinkCoffee_24, PiperSansNom_30, Piperis_30, Pointis_29, Portcullis_22, Poster_17, Prince_19, Pulchra_31, PullumCavea_22, Pureglobe5_31, Quammi_26, Quesadilla_21, Quhwah_33, Racecar_84, RainyPolka_17, Ramiel05_29, Ranunculus_23, RawrgerThat_18, Reprobate_20, Ribeye_24, Rich_20, RiverRaider_25, Rizwana_22, RoadKill_21, RobinRose_29, RobsFeet_31, Rofo_23, RogerDodger_25, RomansRevenge_19, Romm_29, Rowlf_25, RubyRalph_30, Rudy_26, SJReid_88, SadLad_32, Saguaro_20, Salete_16, SallyK_29, Salvador_22, Sampson_24, Sanjuju_21, Saronaya_23, Savannah_29, Savbucketdawg_22, SchottB_22, Scioto_24, Scumberland_31, Sedona_25, Sejanus_17, Selwyn23_31, Serendipitous_20, Shatter_18, Shinji_22, Shivanishola_23, Shotgun_29, SilentRX_24, Sillytadpoles_29, SirJeffery_20, Sisko_18, Sitar_25, Sixama_83, Smarties_38, SmokingBunny_22, Soos_45, Sour_21, Squash_30, Sting_49, Stinger_16, StinkyVeggy_22, StorminNorm_23, StrawberryJamm_30, Stultus_23, Suigeneris_20, TP1604_16, TPA2_27, Talia1610_87, Tangent_21, Tangerine_23, Tank_23, Tardus_25, Teehee_29, Tempo_27, Terij_26, Thing3_24, Thonko_19, Tiamoceli_24, TillyBobJoe_22, Tissue_28, Togo_22, Tonitrus_36, TurkishDelight_21, Twister6_24, Twonlo_21, Tycho_23, Tyumbra_28, Valary_25, VanDeWege_25, Verity_24, ViaConlectus_25, Viceroy_27, Vincenzo_19, VioletZ_18, Vivi2_23, Waleliano_18, Wayne3_29, Wheelie_27, Wilca_27, Wilde_23, Wizard_22, Wooper_20, Xkcd426_22, YDN12_17, Yago84_18, Yeti_30, YorkOnyx_24, YungMoney_24, Zagie_28, Zemanar_19, Zhafia_31, Zipp_24, Zitch_26, phiAsp2_16,

Summary by start number:

Start 13:

- Found in 14 of 616 (2.3%) of genes in pham
- Manual Annotations of this start: 8 of 512
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Acadian_20 (B5), Bae_20 (B5), DigitDog_21 (B5), Donny_20 (B5), EastView9101_21 (B5), Mysterious_21 (B5), Nangang_20 (B5), Phelemich_20 (B5), Reprobate_20 (B5), Rich_20 (B5),

Serendipitous_20 (B5), SirJeffery_20 (B5), Suigeneris_20 (B5),

Start 15:

- Found in 4 of 616 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: 40BC_016 (B6),

Start 18:

- Found in 13 of 616 (2.1%) of genes in pham
- Manual Annotations of this start: 8 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_22 (AP4), Beagle_30 (AP2), BruhMoment_24 (AP3), MellowYellow_24 (AP2), Odyssey395_31 (AP2), Pointis_29 (AP2), Pureglobe5_31 (AP2), Ranunculus_23 (AP), Rizwana_22 (AP1), RomansRevenge_19 (singleton), SilentRX_24 (AP4), Tank_23 (AP1), Wilde_23 (AP1),

Start 20:

- Found in 21 of 616 (3.4%) of genes in pham
- Manual Annotations of this start: 15 of 512
- Called 85.7% of time when present
- Phage (with cluster) where this start called: APunk_26 (DE4), Chickadee_23 (DE3), Delrey21_24 (DE4), Dextert_24 (DE3), DoctorFroggo_24 (DE4), EdmundFerry_22 (DE3), GTE6_23 (DE3), Gaea_23 (DE1), Kwekel_23 (DE3), RoadKill_21 (DE3), Sampson_24 (DE4), Tardus_25 (DE4), Tiamoceli_24 (DE3), Twonlo_21 (DE3), Tycho_23 (DE1), Verity_24 (DE4), YorkOnyx_24 (DE1), Zipp_24 (DE4),

Start 21:

- Found in 206 of 616 (33.4%) of genes in pham
- Manual Annotations of this start: 167 of 512
- Called 98.1% of time when present
- Phage (with cluster) where this start called: Affeca_23 (DE1), Ailee_23 (DE1), Ali17_22 (DE2), AluminumJesus_26 (EG), Angelicage_23 (DE1), Antares_30 (EC), Ariadne_38 (EC), Arri_25 (DC1), Ashertheman_24 (DE1), Atuin_81 (FC), BabyDotz_27 (EG), Baddon_23 (DE1), Bakery_23 (DC1), Barb_24 (DC1), Barsten_24 (DE1), Baumdotcom_23 (DE1), Belphegor_21 (DE), Bibwit_24 (DE1), BirdInFrench_27 (EG), Bizzy_24 (DE1), Blab_26 (EG), Bloom_87 (FC), BlueNGold_88 (DS), BobBob_21 (DE1), Boopy_89 (DS), Brandonk123_25 (DE1), BrazzalePHS_29 (EC), Busephilis_29 (EC), CandC_26 (EG), Casend_29 (EG), ChadMasterC_23 (DE1), Charming_21 (DE1), Cinna_25 (EI), ClamChowder_24 (DC1), ClearAsMud_32 (EC), Clown_26 (DC2), Cranjis_31 (EC), CrazyRich_29 (EC), Cressida_27 (EI), Crisis_31 (EC), Danyall_24 (DC1), Derg_21 (DE1), DonaldDuck_28 (EG), DunneganBoMo_77 (FC), EMOore_19 (DE2), EarickHC_30 (EC), Evamon_22 (DC1), Fireball_23 (DC1), Fireman_30 (EC), Fitzgerald_21 (DE1), Flatwoods_24 (DE1), Forza_89 (DS), Fosterous_21 (DE1), Fransoyer_30 (EG), Fregley_28 (EG), Fugax_24 (DC1), GMA2_18 (DS), Galadriel_25 (DE1), Ganandorf_29 (EC), Gazebo_27 (EG), Geodirt_22 (DE1), Gezellig_23 (DC1), GodonK_78 (DK), Grassboy_29 (EG), Gustavo_23 (DE1), Halo3_23 (DC1), Hans_26 (DE2), Hermeonysus_29 (EC), Honeyfin_31 (EC), Hyperion_27 (EG), Inspectinfecti_25 (DE2), JKSyngboy_22 (DE1), Jabberwocky_21 (DE1), Jambalaya_22 (DC1), Jayden_31 (EC), Jefe_30 (EC), Jehoshaphat_30 (EG), Jollipop_30 (EC), Judebell_30 (EG), KaiHaiDragon_30 (EC), Kamashten_24 (DE1),

Keitabear_25 (DE1), Kelcole_26 (EG), Kewpiedoll_24 (DE1), KimmyK_24 (DC1), Kowalski_29 (EC), Kozie_26 (EI), Kroos_24 (DE1), Kwobi_24 (DE1), Lennon_25 (DE1), Leonard_24 (DE2), LilHam_21 (DE1), Lilbeanie_21 (DE5), LittleFortune_31 (EC), Llemily_28 (EG), Lonelysoil_27 (EG), Love_25 (DE1), Marcie_32 (EG), Mareelih_87 (DS), Margaery_25 (EI), Mashley_26 (EG), Matzah_26 (EI), McKinley_24 (DE1), Megan_24 (EC), MelBins_25 (DE2), MementoMori_26 (EI), Metamorphoo_30 (EC), Mimi_90 (FC), MoontowerMania_22 (DE1), Mutzi_24 (DC1), Namago_28 (EG), Nicole72_25 (EC), Nike_28 (EG), NoodlelyBoi_30 (EC), Nordenberg_18 (DE1), Nubi_22 (DC1), OneinaGillian_27 (EG), Onika_29 (EC), Paries_24 (DE1), Paschalis_29 (EC), Patbob_84 (FC), Pepe25_26 (EG), Phabia_28 (EG), Phauci_17 (DE2), Phendrix_76 (DK), Phinally_24 (DE2), Phinky_34 (EG), Phlop_22 (DC1), Phorgeous_29 (EC), Phrancesco_30 (EC), PierreOrion_30 (EC), PinkCoffee_24 (DC1), PiperSansNom_30 (EC), Piperis_30 (EC), Portcullis_22 (DC1), Pulchra_31 (EC), PullumCavea_22 (DC1), Quammi_26 (EG), Quhwah_33 (EC), Racecar_84 (FC), Ramiel05_29 (EC), Ribeye_24 (DE1), RiverRaider_25 (DE1), RobinRose_29 (EG), RobsFeet_31 (EC), Rofo_23 (DE1), RogerDodger_25 (DC1), Romm_29 (EG), Rowlf_25 (EG), RubyRalph_30 (EG), Rudy_26 (EG), SJReid_88 (FC), SadLad_32 (EG), SallyK_29 (EG), Salvador_22 (DC1), Sanjuju_21 (DE1), Saronaya_23 (DE1), Savannah_29 (EC), Savbucketdawg_22 (DC1), SchottB_22 (DE1), Scumberland_31 (EC), Sedona_25 (DE1), Selwyn23_31 (EC), Shinji_22 (DC1), Shivanishola_23 (DE1), Shotgun_29 (EC), Sitar_25 (DE1), Sixama_83 (DS), Smarties_38 (EC), SmokingBunny_22 (DC1), Squash_30 (EG), StorminNorm_23 (DE1), StrawberryJamm_30 (EG), Stultus_23 (DE1), Talia1610_87 (FC), Tangent_21 (DE1), Tangerine_23 (DE1), Teehee_29 (EG), Tempo_27 (EG), Terij_26 (EI), Thing3_24 (DE1), Thonko_19 (B8), TillyBobJoe_22 (DC1), Tissue_28 (EG), Togo_22 (DC1), Twister6_24 (DC1), Tyrumbra_28 (EC), Valary_25 (DC1), VanDeWege_25 (DC1), ViaConlectus_25 (DE4), Viceroy_27 (EG), Vivi2_23 (DE1), Wayne3_29 (EG), Wheelie_27 (EG), Wilca_27 (EG), Wizard_22 (DC1), Yeti_30 (EC), YungMoney_24 (DC1), Zagie_28 (EG), Zhafia_31 (EG), Zitch_26 (DE4), phiAsp2_16 (singleton),

Start 22:

- Found in 277 of 616 (45.0%) of genes in pham
- Manual Annotations of this start: 249 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ABU_18 (B1), AbsoluteMadLad_17 (B1), Adriana_18 (B1), Aelin_17 (B1), AltPhacts_18 (B1), Altwerkus_17 (B1), Anderson_18 (B1), Andre_18 (B1), Antonia_17 (B1), Apizium_17 (B1), Ashraf_17 (B1), Badfish_18 (B1), Banjo_17 (B1), Basato_19 (B1), BatteryCK_17 (B1), Beaglebox_17 (B1), BirdsNest_23 (B13), Bishoperium_17 (B1), BlackStallion_18 (B1), BlueHusk_18 (B1), Bluephacebaby_17 (B1), Boehler_18 (B1), Brilliant_18 (B1), Buckeye_18 (B1), Burr_17 (B1), CamL_18 (B1), CampRoach_17 (B1), Cannibal_18 (B1), Carthage_17 (B1), Chaelin_17 (B1), Chah_18 (B1), Charles1_18 (B1), CharlieGBrown_17 (B1), CheetO_18 (B1), Cher_17 (B1), Childish_17 (B1), Chorkpop_18 (B1), Chunky_18 (B1), Chute_17 (B1), Cobra_18 (B1), Colbert_18 (B1), Coletti_17 (B1), Cornobble_17 (B1), Cosmoli16_17 (B1), Craff_18 (B1), Crownjwl_18 (B1), DaddyDaniels_18 (B1), Daffy_18 (B1), Daka_18 (B1), Dati_18 (B1), DelRivs_17 (B1), Derpp_17 (B1), Dice_18 (B1), Dingo_18 (B1), Dione_17 (B1), DirtJuice_18 (B1), Doddsville_18 (B1), DoesntMatter_18 (B1), DonSanchon_17 (B1), DuchessDung_17 (B1), Duggie_17 (B1), Durga_18 (B1), Emiris_18 (B1), EmpTee_18 (B1), Eremos_18 (B1), Etaye_18 (B1), Eugenia_18 (B1), Fang_18 (B1), FluffyNinja_18 (B1), Fozzie_17 (B1), Frankicide_18 (B1), Freya_17 (B1), FriarPreacher_18 (B1), Fringe_18 (B1), FugateOSU_17 (B1), Gareth_17 (B1), GeneCoco_18 (B1), Giraffe_18 (B1), Gophee_18 (B1), Grand2040_17 (B1),

Gwilliam_18 (B1), Gyarad_0018 (B1), HSavage_18 (B1), Haimas_18 (B1), Haleema_17 (B1), Hamish_18 (B1), Hartsy_17 (B1), Harvey_18 (B1), Hashim76_23 (B13), Held_18 (B1), HenryJackson_17 (B1), Hertubise_18 (B1), Hetaeria_18 (B1), HighStump_17 (B1), Hocus_17 (B1), Horchata_18 (B1), ImtiyazSitla_17 (B1), Inchworm_18 (B1), Inverness_18 (B1), Iridoclysis_18 (B1), IsaacEli_18 (B1), JDog_17 (B1), JacAttac_18 (B1), JakeO_17 (B1), JangoPhett_18 (B1), Jillium_17 (B1), Jiminy_17 (B1), Jiraiya_18 (B1), KLucky39_18 (B1), Kahve_17 (B1), Kailash_18 (B1), Katniss_18 (B1), Keitherie_18 (B1), Kikipoo_18 (B1), Kimbrough_18 (B1), KingTut_17 (B1), KingVeVeVe_18 (B1), KlimbOn_18 (B1), Kloppinator_18 (B1), Kwadwo_17 (B1), Kwksand96_17 (B1), Labeouficaum_17 (B1), LasagnaCat_18 (B1), Lasso_18 (B1), LeeLot_18 (B1), Lego3393_18 (B1), Legolas_17 (B1), LeiMonet_18 (B1), LemonSlice_18 (B1), Longacauda_17 (B1), Lopsy_17 (B1), LostAndPhound_17 (B1), LuckyMarjie_17 (B1), Lulumae_17 (B1), Lulwa_18 (B1), Lumine_17 (B1), MRabcd_17 (B1), Mag7_17 (B1), Magic8_18 (B1), Mana_17 (B1), Manad_17 (B1), Maru_17 (B1), Maskar_17 (B1), Matalotodo_17 (B1), Mcshane_17 (B1), Mecca_17 (B1), Megamind20_18 (B1), Megatron_18 (B1), Melc17_18 (B1), MelsMeow_17 (B1), Mesh1_18 (B1), MichaelPhcott_17 (B1), Mikota_18 (B1), MiniBoss_18 (B1), MitKao_18 (B1), Morgushi_18 (B1), Morty_18 (B1), Mosaic_17 (B1), MrPhizzler_17 (B1), Mulan_17 (B1), Murdoc_18 (B1), Mutante_17 (B1), Nacho_0018 (B1), Newman_18 (B1), Nicole21_18 (B1), Numberten_18 (B1), Nyala_17 (B1), OSmaximus_18 (B1), Olak_17 (B1), Oline_17 (B1), Olive_18 (B1), OliverWalter_18 (B1), Omniscient_18 (B1), Oosterbaan_18 (B1), Orfeu_17 (B1), Orion_18 (B1), Orwigg_18 (B1), PG1_18 (B1), Pacifista_19 (B1), Phamished_18 (B1), Phareon_18 (B1), PhatCats2014_18 (B1), PhatLouie_18 (B1), PhenghisKhan_17 (B1), Pherdinand_18 (B1), Phergie_17 (B1), Phipps_18 (B1), Phleuron_17 (B1), PhrankReynolds_17 (B1), PhrodoBaggins_17 (B1), Phunky_18 (B1), Piglet_0017 (B1), PinheadLarry_18 (B1), Pinkman_17 (B1), Pipsqueak_18 (B1), Placalicious_17 (B1), Plmatters_18 (B1), Podrick_18 (B1), Pops_18 (B1), Potter_17 (B1), Prickles_18 (B1), ProfessorX_18 (B1), Puhltonio_18 (B1), QueenBeane_18 (B1), Quisquilliae_18 (B1), RedMaple_17 (B1), Ricotta_18 (B1), Riggan_18 (B1), Rimu_17 (B1), Robyn_17 (B1), Roliet_18 (B1), Roscoe_19 (B1), Roy17_18 (B1), SDcharge11_18 (B1), Samaymay_18 (B1), SassyCat97_17 (B1), Schadenfreude_17 (B1), Schueller_17 (B1), Scoot17C_18 (B1), Scrick_17 (B1), Selr12_18 (B1), Serendipity_18 (B1), Serpentine_0018 (B1), Sheila_18 (B1), ShiVal_18 (B1), Sigman_18 (B1), Simielle_17 (B1), Skippy_18 (B1), Slatt_18 (B1), Soile_18 (B1), Solosis_17 (B1), Sophia_17 (B1), Soto_18 (B1), Spartan300_18 (B1), Squid_18 (B1), Squiggle_18 (B1), Struggle_17 (B1), Suffolk_18 (B1), Surely_18 (B1), Swiphy_18 (B1), Swish_18 (B1), TallGrassMM_18 (B1), Telesworld_17 (B1), Thora_18 (B1), ThreeOh3D2_18 (B1), Thunderbird_18 (B1), Timmi_17 (B1), TomBombadil_18 (B1), Tomlarah_18 (B1), Toni_17 (B1), Tooj_18 (B1), True_17 (B1), Trypo_18 (B1), TyrionL_17 (B1), UAch1_18 (B1), UncleHowie_18 (B1), Usavi_18 (B1), Vaishali24_17 (B1), Valjean_18 (B1), Vaticameos_18 (B1), Veritas_17 (B1), Virapocalypse_18 (B1), Virgeve_17 (B1), Vista_18 (B1), Vivaldi_18 (B1), Vortex_18 (B1), Wallhey_17 (B1), Waterdiva_18 (B1), Weher20_18 (B1), Windsor_17 (B1), Xavier_17 (B1), Yoshand_18 (B1), YouGoGlencoco_18 (B1), Zaider_19 (B1), Zelda_18 (B1), Zenteno07_23 (B13), Zonia_18 (B1),

Start 23:

- Found in 3 of 616 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fizzles_28 (EG), Pine5_20 (singleton), TurkishDelight_21 (singleton),

Start 24:

- Found in 67 of 616 (10.9%) of genes in pham
- Manual Annotations of this start: 40 of 512
- Called 79.1% of time when present
- Phage (with cluster) where this start called: 39HC_016 (B6), AnClar_18 (DR), AnarQue_20 (DR), Apex_18 (B4), Austelle_19 (B4), BiggityBass_17 (DR), BobbyK_18 (B4), BrownCNA_19 (B4), CRB2_22 (B9), CaiB_20 (DR), CharlottesWeb_18 (DR), ChrisnMich_17 (B4), CloverMinnie_20 (DR), Cooper_18 (B4), Fortunato_18 (B4), Frederick_18 (B4), Funsized_22 (B9), Hangman_18 (B4), Heath_18 (B4), Hosp_014 (B6), Hydro_18 (B4), Imvubu_15 (B10), Indlovu_18 (B11), JAMaL_18 (B4), JaguarMi_19 (B4), Jolie1_016 (B6), KayaCho_16 (B6), Knocker_22 (B9), LiiMcDreamy_18 (B12), Lolalove_18 (B4), Magpie_18 (B4), MakoManhole_20 (DR), Mariokart_18 (DR), Mithril_18 (B4), MossRose_20 (DR), Mudslide_18 (B4), NHagos_18 (DR), Nanao_17 (B4), PenguinLover67_21 (B9), Poster_17 (B4), Prince_19 (B4), Quesadilla_21 (B9), RawrgerThat_18 (B4), Saguaro_20 (B7), Sisko_18 (DR), Sour_21 (DR), StinkyVeggy_22 (B5), TPA2_27 (singleton), VioletZ_18 (B4), Waleliano_18 (B4), Wooper_20 (DR), Yago84_18 (DR), Zemanar_19 (B4),

Start 25:

- Found in 10 of 616 (1.6%) of genes in pham
- Manual Annotations of this start: 8 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlanGrant_19 (B4), Axumite_18 (DR), Evaa_19 (DR), Fresco_18 (DR), Ligma_18 (DR), LittleMunchkin_19 (DR), Nigel_16 (B4), Shatter_18 (DR), Stinger_16 (B4), Vincenzo_19 (B4),

Start 26:

- Found in 11 of 616 (1.8%) of genes in pham
- Manual Annotations of this start: 10 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_17 (BG), Asis_16 (BG), BabyGotBac_16 (BG), BayC_16 (BG), Maih_16 (BG), Mischief19_24 (BG), RainyPolka_17 (BG), Salete_16 (BG), TP1604_16 (BG), Xkcd426_22 (BG), YDN12_17 (BG),

Start 27:

- Found in 5 of 616 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_17 (AD), Mao1_16 (AD), Mask_17 (AD), Sejanus_17 (AD), Tonitrus_36 (singleton),

Start 28:

- Found in 4 of 616 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 512
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clawz_49 (CP), DonTron_49 (CP), Soos_45 (CP), Sting_49 (CP),

Start 32:

- Found in 59 of 616 (9.6%) of genes in pham

- No Manual Annotations of this start.
- Called 3.4% of time when present
- Phage (with cluster) where this start called: Altheas_30 (EG), Kyva_30 (EG),

Start 35:

- Found in 89 of 616 (14.4%) of genes in pham
- No Manual Annotations of this start.
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Abblin_24 (DE4), Natkenzie_24 (DE4),

Start 38:

- Found in 28 of 616 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Scioto_24 (DE4),

Start 51:

- Found in 42 of 616 (6.8%) of genes in pham
- No Manual Annotations of this start.
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Sillytadpoles_29 (EG),

Summary by clusters:

There are 35 clusters represented in this pham: singleton, BG, DK, AP2, AP3, DE, AP4, FC, B12, B13, B10, B11, DR, DS, AP1, EI, AD, EG, EC, AP, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B8, B9,

Info for manual annotations of cluster AD:

- Start number 27 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AP1:

- Start number 18 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 18 was manually annotated 3 times for cluster AP2.

Info for manual annotations of cluster AP3:

- Start number 18 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 18 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster B1:

- Start number 22 was manually annotated 247 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 24 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 24 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 24 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 22 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B4:

- Start number 24 was manually annotated 18 times for cluster B4.
- Start number 25 was manually annotated 4 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 13 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 24 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 24 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 21 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 24 was manually annotated 5 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 26 was manually annotated 10 times for cluster BG.

Info for manual annotations of cluster CP:

- Start number 28 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 21 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 21 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 20 was manually annotated 2 times for cluster DE1.
- Start number 21 was manually annotated 40 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 21 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 20 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 20 was manually annotated 7 times for cluster DE4.
- Start number 21 was manually annotated 2 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 21 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 21 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:

- Start number 24 was manually annotated 12 times for cluster DR.
- Start number 25 was manually annotated 4 times for cluster DR.

Info for manual annotations of cluster DS:

- Start number 21 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:

- Start number 21 was manually annotated 37 times for cluster EC.

Info for manual annotations of cluster EG:

- Start number 21 was manually annotated 35 times for cluster EG.
- Start number 23 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster EI:

- Start number 21 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster FC:

- Start number 21 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: 39HC_016 Start: 14982, Stop: 15791, Start Num: 24

Candidate Starts for 39HC_016:

(15, 14955), (19, 14973), (Start: 24 @14982 has 40 MA's), (53, 15111), (54, 15114), (71, 15225), (73, 15240), (74, 15246), (96, 15369), (127, 15537), (129, 15552), (130, 15567), (157, 15687), (162, 15708), (172, 15765), (174, 15780),

Gene: 40BC_016 Start: 14955, Stop: 15791, Start Num: 15

Candidate Starts for 40BC_016:

(15, 14955), (19, 14973), (Start: 24 @14982 has 40 MA's), (53, 15111), (54, 15114), (71, 15225), (73, 15240), (74, 15246), (96, 15369), (127, 15537), (129, 15552), (130, 15567), (157, 15687), (162, 15708), (172, 15765), (174, 15780),

Gene: ABU_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for ABU_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (162, 15411), (171, 15465), (172, 15468),

Gene: APunk_26 Start: 19712, Stop: 20398, Start Num: 20

Candidate Starts for APunk_26:

(Start: 20 @19712 has 15 MA's), (35, 19751), (38, 19766), (50, 19826), (92, 20081), (150, 20348), (156, 20384),

Gene: AWGoat_22 Start: 16832, Stop: 17728, Start Num: 18

Candidate Starts for AWGoat_22:

(Start: 18 @16832 has 8 MA's), (35, 16874), (37, 16886), (46, 16928), (54, 16973), (59, 17006), (66, 17063), (80, 17144), (88, 17189), (92, 17207), (113, 17273), (118, 17291), (122, 17318), (137, 17390), (145, 17414), (165, 17522),

Gene: Abblin_24 Start: 18964, Stop: 19614, Start Num: 35

Candidate Starts for Abblin_24:

(5, 18841), (7, 18868), (Start: 20 @18925 has 15 MA's), (35, 18964), (38, 18979), (50, 19039), (92, 19294), (150, 19561), (156, 19597),

Gene: AbsoluteMadLad_17 Start: 14695, Stop: 15495, Start Num: 22

Candidate Starts for AbsoluteMadLad_17:

(Start: 22 @14695 has 249 MA's), (40, 14758), (52, 14815), (53, 14824), (54, 14827), (68, 14923), (74, 14959), (96, 15076), (119, 15208), (122, 15223), (127, 15244), (130, 15274), (148, 15343), (157, 15394), (162, 15415), (171, 15469), (172, 15472),

Gene: Abt2graduatex2_17 Start: 17436, Stop: 18131, Start Num: 26

Candidate Starts for Abt2graduatex2_17:

(Start: 26 @17436 has 10 MA's), (34, 17466), (35, 17469), (38, 17484), (48, 17526), (49, 17538), (52, 17553), (54, 17565), (55, 17571), (62, 17619), (74, 17697), (82, 17742), (95, 17808), (109, 17868), (123, 17928), (138, 18009), (142, 18021), (148, 18057), (150, 18066),

Gene: Acadian_20 Start: 16504, Stop: 17340, Start Num: 13

Candidate Starts for Acadian_20:

(2, 16393), (Start: 13 @16504 has 8 MA's), (Start: 24 @16537 has 40 MA's), (48, 16630), (50, 16645), (51, 16651), (53, 16666), (54, 16669), (57, 16687), (74, 16801), (127, 17086), (130, 17116), (144, 17155), (148, 17185), (162, 17257),

Gene: Adriana_18 Start: 14693, Stop: 15493, Start Num: 22

Candidate Starts for Adriana_18:

(Start: 22 @14693 has 249 MA's), (40, 14756), (52, 14813), (53, 14822), (54, 14825), (68, 14921), (74, 14957), (96, 15074), (119, 15206), (122, 15221), (127, 15242), (130, 15272), (148, 15341), (157, 15392), (162, 15413), (171, 15467), (172, 15470),

Gene: Aelin_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Aelin_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Affeca_23 Start: 18821, Stop: 19516, Start Num: 21

Candidate Starts for Affeca_23:

(Start: 21 @18821 has 167 MA's), (29, 18830), (35, 18860), (52, 18947), (64, 19022), (82, 19136), (92, 19193), (94, 19205), (102, 19226), (131, 19379), (138, 19403), (156, 19496), (160, 19511),

Gene: Ailee_23 Start: 18735, Stop: 19430, Start Num: 21

Candidate Starts for Ailee_23:

(Start: 21 @18735 has 167 MA's), (29, 18744), (35, 18774), (52, 18861), (64, 18936), (82, 19050), (92, 19107), (94, 19119), (102, 19140), (131, 19293), (156, 19410), (160, 19425),

Gene: AlanGrant_19 Start: 17209, Stop: 18015, Start Num: 25

Candidate Starts for AlanGrant_19:

(8, 17149), (Start: 25 @17209 has 8 MA's), (40, 17272), (52, 17329), (54, 17341), (57, 17359), (74, 17473), (78, 17494), (119, 17722), (127, 17758), (130, 17788), (143, 17824), (148, 17857), (151, 17869), (157, 17908), (172, 17986),

Gene: Ali17_22 Start: 18134, Stop: 18820, Start Num: 21

Candidate Starts for Ali17_22:

(Start: 21 @18134 has 167 MA's), (35, 18173), (40, 18203), (52, 18260), (71, 18383), (74, 18404), (82, 18449), (92, 18503), (130, 18686), (132, 18692), (150, 18770), (152, 18776),

Gene: AltPhacts_18 Start: 14688, Stop: 15488, Start Num: 22

Candidate Starts for AltPhacts_18:

(Start: 22 @14688 has 249 MA's), (40, 14751), (52, 14808), (53, 14817), (54, 14820), (68, 14916), (74, 14952), (96, 15069), (119, 15201), (122, 15216), (127, 15237), (130, 15267), (148, 15336), (157, 15387), (162, 15408), (171, 15462), (172, 15465),

Gene: Altheas_30 Start: 17688, Stop: 18611, Start Num: 32

Candidate Starts for Altheas_30:

(Start: 21 @17664 has 167 MA's), (32, 17688), (41, 17736), (42, 17739), (118, 18150), (130, 18231), (131, 18234), (148, 18300), (157, 18351), (166, 18390), (170, 18420), (175, 18456), (178, 18492), (184, 18579),

Gene: Altwerkus_17 Start: 14388, Stop: 15188, Start Num: 22

Candidate Starts for Altwerkus_17:

(Start: 22 @14388 has 249 MA's), (40, 14451), (52, 14508), (53, 14517), (54, 14520), (68, 14616), (74, 14652), (96, 14769), (119, 14901), (122, 14916), (127, 14937), (130, 14967), (148, 15036), (157, 15087), (162, 15108), (171, 15162), (172, 15165),

Gene: AluminumJesus_26 Start: 17022, Stop: 17969, Start Num: 21

Candidate Starts for AluminumJesus_26:

(Start: 21 @17022 has 167 MA's), (32, 17046), (41, 17094), (51, 17142), (130, 17589), (131, 17592), (157, 17709), (175, 17814),

Gene: AnClar_18 Start: 15482, Stop: 16294, Start Num: 24

Candidate Starts for AnClar_18:

(6, 15413), (9, 15431), (Start: 24 @15482 has 40 MA's), (32, 15500), (48, 15575), (54, 15614), (74, 15746), (78, 15767), (89, 15833), (127, 16028), (148, 16130), (152, 16145), (162, 16202), (176, 16283),

Gene: AnarQue_20 Start: 16103, Stop: 16912, Start Num: 24

Candidate Starts for AnarQue_20:

(Start: 24 @16103 has 40 MA's), (32, 16121), (48, 16196), (54, 16235), (57, 16253), (60, 16280), (74, 16367), (78, 16388), (80, 16406), (82, 16412), (89, 16454), (127, 16649), (148, 16751), (162, 16823),

Gene: Anderson_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Anderson_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Andre_18 Start: 14682, Stop: 15482, Start Num: 22

Candidate Starts for Andre_18:

(Start: 22 @14682 has 249 MA's), (40, 14745), (52, 14802), (53, 14811), (54, 14814), (68, 14910), (74, 14946), (96, 15063), (119, 15195), (122, 15210), (127, 15231), (130, 15261), (148, 15330), (157,

15381), (162, 15402), (171, 15456), (172, 15459),

Gene: Angelicage_23 Start: 19244, Stop: 19939, Start Num: 21

Candidate Starts for Angelicage_23:

(Start: 21 @19244 has 167 MA's), (29, 19253), (35, 19283), (52, 19370), (64, 19445), (82, 19559), (92, 19616), (94, 19628), (102, 19649), (131, 19802), (138, 19826), (156, 19919), (160, 19934),

Gene: Antares_30 Start: 17515, Stop: 18195, Start Num: 21

Candidate Starts for Antares_30:

(Start: 21 @17515 has 167 MA's), (44, 17602), (50, 17626), (61, 17701), (64, 17713), (71, 17761), (81, 17821), (109, 17950), (113, 17962), (122, 18010), (130, 18064), (148, 18124), (163, 18184),

Gene: Antonia_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Antonia_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Apex_18 Start: 16618, Stop: 17424, Start Num: 24

Candidate Starts for Apex_18:

(Start: 24 @16618 has 40 MA's), (40, 16681), (53, 16747), (54, 16750), (57, 16768), (71, 16861), (74, 16882), (78, 16903), (92, 16981), (102, 17038), (119, 17131), (143, 17233), (148, 17266), (151, 17278), (152, 17281), (157, 17317),

Gene: Apizium_17 Start: 14428, Stop: 15228, Start Num: 22

Candidate Starts for Apizium_17:

(Start: 22 @14428 has 249 MA's), (40, 14491), (52, 14548), (53, 14557), (54, 14560), (68, 14656), (74, 14692), (96, 14809), (119, 14941), (122, 14956), (127, 14977), (130, 15007), (148, 15076), (157, 15127), (162, 15148), (171, 15202), (172, 15205),

Gene: Ariadne_38 Start: 19203, Stop: 19883, Start Num: 21

Candidate Starts for Ariadne_38:

(Start: 21 @19203 has 167 MA's), (41, 19275), (44, 19290), (50, 19314), (61, 19389), (64, 19401), (66, 19428), (71, 19449), (81, 19509), (109, 19638), (113, 19650), (122, 19698), (130, 19752), (148, 19812),

Gene: Arri_25 Start: 15837, Stop: 16523, Start Num: 21

Candidate Starts for Arri_25:

(Start: 21 @15837 has 167 MA's), (48, 15936), (74, 16107), (75, 16110), (97, 16230), (148, 16461),

Gene: Ashertheman_24 Start: 18310, Stop: 19005, Start Num: 21

Candidate Starts for Ashertheman_24:

(7, 18250), (Start: 21 @18310 has 167 MA's), (35, 18349), (64, 18511), (92, 18682), (94, 18694), (156, 18985), (160, 19000),

Gene: Ashraf_17 Start: 14246, Stop: 15046, Start Num: 22

Candidate Starts for Ashraf_17:

(Start: 22 @14246 has 249 MA's), (40, 14309), (52, 14366), (53, 14375), (54, 14378), (68, 14474), (74, 14510), (96, 14627), (119, 14759), (122, 14774), (127, 14795), (130, 14825), (148, 14894), (157, 14945), (162, 14966), (171, 15020), (172, 15023),

Gene: Asis_16 Start: 16946, Stop: 17644, Start Num: 26

Candidate Starts for Asis_16:

(Start: 26 @16946 has 10 MA's), (34, 16976), (38, 16994), (48, 17036), (49, 17048), (52, 17063), (54, 17075), (71, 17186), (74, 17207), (82, 17252), (95, 17318), (106, 17363), (123, 17438), (130, 17486), (131, 17489), (138, 17519), (142, 17531), (148, 17567), (161, 17633),

Gene: Atuin_81 Start: 49765, Stop: 50412, Start Num: 21

Candidate Starts for Atuin_81:

(Start: 21 @49765 has 167 MA's), (74, 50035), (111, 50215), (135, 50326),

Gene: Austelle_19 Start: 17074, Stop: 17880, Start Num: 24

Candidate Starts for Austelle_19:

(Start: 24 @17074 has 40 MA's), (40, 17137), (53, 17203), (54, 17206), (57, 17224), (71, 17317), (74, 17338), (78, 17359), (92, 17437), (102, 17494), (119, 17587), (143, 17689), (148, 17722), (151, 17734), (152, 17737), (157, 17773),

Gene: Axumite_18 Start: 14690, Stop: 15502, Start Num: 25

Candidate Starts for Axumite_18:

(Start: 25 @14690 has 8 MA's), (32, 14708), (48, 14783), (52, 14810), (54, 14822), (60, 14867), (74, 14954), (78, 14975), (119, 15200), (125, 15230), (127, 15236), (148, 15338), (162, 15410), (172, 15467),

Gene: BabyDotz_27 Start: 17291, Stop: 18238, Start Num: 21

Candidate Starts for BabyDotz_27:

(Start: 21 @17291 has 167 MA's), (32, 17315), (41, 17363), (51, 17411), (130, 17858), (131, 17861), (157, 17978), (175, 18083),

Gene: BabyGotBac_16 Start: 16946, Stop: 17644, Start Num: 26

Candidate Starts for BabyGotBac_16:

(Start: 26 @16946 has 10 MA's), (34, 16976), (38, 16994), (48, 17036), (49, 17048), (52, 17063), (54, 17075), (71, 17186), (74, 17207), (82, 17252), (95, 17318), (106, 17363), (123, 17438), (130, 17486), (131, 17489), (138, 17519), (142, 17531), (148, 17567), (161, 17633),

Gene: Baddon_23 Start: 19126, Stop: 19821, Start Num: 21

Candidate Starts for Baddon_23:

(Start: 21 @19126 has 167 MA's), (35, 19165), (64, 19327), (92, 19498), (94, 19510), (131, 19684), (156, 19801), (160, 19816),

Gene: Badfish_18 Start: 14717, Stop: 15517, Start Num: 22

Candidate Starts for Badfish_18:

(Start: 22 @14717 has 249 MA's), (40, 14780), (52, 14837), (53, 14846), (54, 14849), (68, 14945), (74, 14981), (96, 15098), (119, 15230), (122, 15245), (127, 15266), (130, 15296), (148, 15365), (157, 15416), (162, 15437), (171, 15491), (172, 15494),

Gene: Bae_20 Start: 16638, Stop: 17474, Start Num: 13

Candidate Starts for Bae_20:

(1, 16467), (Start: 13 @16638 has 8 MA's), (Start: 24 @16671 has 40 MA's), (48, 16764), (50, 16779), (53, 16800), (54, 16803), (57, 16821), (74, 16935), (127, 17220), (130, 17250), (148, 17319), (157, 17370), (162, 17391),

Gene: Bakery_23 Start: 15025, Stop: 15711, Start Num: 21

Candidate Starts for Bakery_23:

(Start: 21 @15025 has 167 MA's), (48, 15124), (74, 15295), (75, 15298), (129, 15559), (138, 15601), (147, 15646), (148, 15649),

Gene: Banjo_17 Start: 14395, Stop: 15195, Start Num: 22

Candidate Starts for Banjo_17:

(Start: 22 @14395 has 249 MA's), (40, 14458), (52, 14515), (53, 14524), (54, 14527), (68, 14623), (74, 14659), (96, 14776), (119, 14908), (122, 14923), (127, 14944), (130, 14974), (148, 15043), (157, 15094), (162, 15115), (171, 15169), (172, 15172),

Gene: Barb_24 Start: 15824, Stop: 16510, Start Num: 21

Candidate Starts for Barb_24:

(Start: 21 @15824 has 167 MA's), (48, 15923), (74, 16094), (75, 16097), (97, 16217), (147, 16445), (148, 16448),

Gene: Barsten_24 Start: 18741, Stop: 19436, Start Num: 21

Candidate Starts for Barsten_24:

(Start: 21 @18741 has 167 MA's), (29, 18750), (35, 18780), (52, 18867), (64, 18942), (71, 18990), (82, 19056), (92, 19113), (94, 19125), (102, 19146), (131, 19299), (156, 19416), (160, 19431),

Gene: Basato_19 Start: 14921, Stop: 15721, Start Num: 22

Candidate Starts for Basato_19:

(Start: 22 @14921 has 249 MA's), (40, 14984), (52, 15041), (53, 15050), (54, 15053), (68, 15149), (74, 15185), (96, 15302), (119, 15434), (122, 15449), (127, 15470), (130, 15500), (148, 15569), (157, 15620), (162, 15641), (171, 15695), (172, 15698),

Gene: BatteryCK_17 Start: 14252, Stop: 15052, Start Num: 22

Candidate Starts for BatteryCK_17:

(Start: 22 @14252 has 249 MA's), (40, 14315), (52, 14372), (53, 14381), (54, 14384), (68, 14480), (74, 14516), (96, 14633), (119, 14765), (122, 14780), (127, 14801), (130, 14831), (148, 14900), (157, 14951), (171, 15026), (172, 15029),

Gene: Baumdotcom_23 Start: 17926, Stop: 18621, Start Num: 21

Candidate Starts for Baumdotcom_23:

(7, 17866), (Start: 21 @17926 has 167 MA's), (35, 17965), (64, 18127), (92, 18298), (94, 18310), (156, 18601), (160, 18616),

Gene: BayC_16 Start: 16946, Stop: 17644, Start Num: 26

Candidate Starts for BayC_16:

(Start: 26 @16946 has 10 MA's), (34, 16976), (38, 16994), (48, 17036), (49, 17048), (52, 17063), (54, 17075), (71, 17186), (74, 17207), (82, 17252), (95, 17318), (106, 17363), (123, 17438), (130, 17486), (131, 17489), (138, 17519), (142, 17531), (148, 17567), (161, 17633),

Gene: Beagle_30 Start: 17252, Stop: 18172, Start Num: 18

Candidate Starts for Beagle_30:

(Start: 18 @17252 has 8 MA's), (46, 17351), (48, 17357), (49, 17369), (52, 17384), (71, 17507), (78, 17549), (88, 17612), (109, 17708), (114, 17723), (124, 17774), (149, 17888), (150, 17894), (153, 17912), (155, 17930), (168, 17996), (181, 18092),

Gene: Beaglebox_17 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Beaglebox_17:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: Belphegor_21 Start: 17203, Stop: 17895, Start Num: 21

Candidate Starts for Belphegor_21:

(Start: 21 @17203 has 167 MA's), (35, 17242), (52, 17329), (82, 17518), (92, 17572), (130, 17755), (150, 17839), (152, 17845), (156, 17875),

Gene: Bibwit_24 Start: 18983, Stop: 19678, Start Num: 21

Candidate Starts for Bibwit_24:

(Start: 21 @18983 has 167 MA's), (29, 18992), (35, 19022), (52, 19109), (64, 19184), (71, 19232), (92, 19355), (94, 19367), (102, 19388), (131, 19541), (156, 19658), (160, 19673),

Gene: BiggityBass_17 Start: 14580, Stop: 15392, Start Num: 24

Candidate Starts for BiggityBass_17:

(Start: 24 @14580 has 40 MA's), (32, 14598), (48, 14673), (54, 14712), (60, 14757), (74, 14844), (78, 14865), (89, 14931), (127, 15126), (148, 15228), (162, 15300), (176, 15381),

Gene: BirdInFrench_27 Start: 16100, Stop: 17041, Start Num: 21

Candidate Starts for BirdInFrench_27:

(Start: 21 @16100 has 167 MA's), (36, 16145), (48, 16199), (86, 16439), (131, 16667), (152, 16745), (157, 16781), (167, 16835), (183, 16979), (185, 17021),

Gene: BirdsNest_23 Start: 15668, Stop: 16468, Start Num: 22

Candidate Starts for BirdsNest_23:

(Start: 22 @15668 has 249 MA's), (40, 15731), (53, 15797), (54, 15800), (71, 15911), (74, 15932), (96, 16049), (102, 16088), (148, 16316), (159, 16373),

Gene: Bishoperium_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Bishoperium_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: Bizzy_24 Start: 18277, Stop: 18972, Start Num: 21

Candidate Starts for Bizzy_24:

(Start: 21 @18277 has 167 MA's), (35, 18316), (64, 18478), (92, 18649), (94, 18661), (131, 18835), (156, 18952), (160, 18967),

Gene: Blab_26 Start: 16947, Stop: 17894, Start Num: 21

Candidate Starts for Blab_26:

(Start: 21 @16947 has 167 MA's), (32, 16971), (41, 17019), (51, 17067), (130, 17514), (131, 17517), (157, 17634), (175, 17739),

Gene: BlackStallion_18 Start: 14703, Stop: 15503, Start Num: 22

Candidate Starts for BlackStallion_18:

(Start: 22 @14703 has 249 MA's), (40, 14766), (52, 14823), (53, 14832), (54, 14835), (68, 14931), (74, 14967), (96, 15084), (119, 15216), (122, 15231), (127, 15252), (130, 15282), (148, 15351), (157, 15402), (162, 15423), (171, 15477), (172, 15480),

Gene: Bloom_87 Start: 51166, Stop: 51822, Start Num: 21

Candidate Starts for Bloom_87:

(Start: 21 @51166 has 167 MA's), (60, 51349), (74, 51436), (111, 51616), (119, 51652), (120, 51655),

Gene: BlueHusk_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for BlueHusk_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157,

15383), (162, 15404), (171, 15458), (172, 15461),

Gene: BlueNGold_88 Start: 44419, Stop: 45063, Start Num: 21

Candidate Starts for BlueNGold_88:

(Start: 21 @44419 has 167 MA's), (36, 44461), (50, 44530), (111, 44866), (118, 44890), (119, 44902), (120, 44905), (128, 44944),

Gene: Bluephacebaby_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Bluephacebaby_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: BobBob_21 Start: 17644, Stop: 18339, Start Num: 21

Candidate Starts for BobBob_21:

(Start: 21 @17644 has 167 MA's), (29, 17653), (35, 17683), (52, 17770), (64, 17845), (82, 17959), (92, 18016), (94, 18028), (102, 18049), (131, 18202), (138, 18226), (156, 18319), (160, 18334),

Gene: BobbyK_18 Start: 16437, Stop: 17243, Start Num: 24

Candidate Starts for BobbyK_18:

(Start: 24 @16437 has 40 MA's), (40, 16500), (53, 16566), (54, 16569), (57, 16587), (71, 16680), (74, 16701), (78, 16722), (92, 16800), (102, 16857), (119, 16950), (143, 17052), (148, 17085), (151, 17097), (152, 17100), (157, 17136),

Gene: Boehler_18 Start: 14711, Stop: 15511, Start Num: 22

Candidate Starts for Boehler_18:

(Start: 22 @14711 has 249 MA's), (40, 14774), (52, 14831), (53, 14840), (54, 14843), (68, 14939), (74, 14975), (96, 15092), (119, 15224), (122, 15239), (127, 15260), (130, 15290), (148, 15359), (157, 15410), (162, 15431), (171, 15485), (172, 15488),

Gene: Boopy_89 Start: 44431, Stop: 45075, Start Num: 21

Candidate Starts for Boopy_89:

(Start: 21 @44431 has 167 MA's), (36, 44473), (50, 44542), (111, 44878), (118, 44902), (119, 44914), (120, 44917), (128, 44956),

Gene: Brandonk123_25 Start: 18299, Stop: 18994, Start Num: 21

Candidate Starts for Brandonk123_25:

(Start: 21 @18299 has 167 MA's), (29, 18308), (35, 18338), (52, 18425), (64, 18500), (71, 18548), (82, 18614), (92, 18671), (94, 18683), (102, 18704), (131, 18857), (156, 18974), (160, 18989),

Gene: BrazzalePHS_29 Start: 17310, Stop: 17990, Start Num: 21

Candidate Starts for BrazzalePHS_29:

(Start: 21 @17310 has 167 MA's), (44, 17397), (50, 17421), (61, 17496), (64, 17508), (71, 17556), (81, 17616), (109, 17745), (113, 17757), (122, 17805), (130, 17859), (148, 17919), (163, 17979),

Gene: Brilliant_18 Start: 14405, Stop: 15205, Start Num: 22

Candidate Starts for Brilliant_18:

(Start: 22 @14405 has 249 MA's), (40, 14468), (52, 14525), (53, 14534), (54, 14537), (68, 14633), (74, 14669), (96, 14786), (119, 14918), (122, 14933), (127, 14954), (130, 14984), (148, 15053), (157, 15104), (162, 15125), (171, 15179), (172, 15182),

Gene: BrownCNA_19 Start: 16691, Stop: 17497, Start Num: 24

Candidate Starts for BrownCNA_19:

(Start: 24 @16691 has 40 MA's), (40, 16754), (53, 16820), (54, 16823), (57, 16841), (71, 16934), (74, 16955), (78, 16976), (100, 17093), (102, 17111), (119, 17204), (130, 17270), (143, 17306), (148, 17339), (151, 17351), (152, 17354), (157, 17390),

Gene: BruhMoment_24 Start: 16745, Stop: 17665, Start Num: 18

Candidate Starts for BruhMoment_24:

(Start: 18 @16745 has 8 MA's), (49, 16862), (52, 16877), (63, 16946), (71, 17000), (74, 17021), (78, 17042), (82, 17066), (109, 17201), (118, 17231), (130, 17312), (134, 17321), (149, 17381), (150, 17387), (155, 17423), (168, 17489),

Gene: Buckeye_18 Start: 14719, Stop: 15519, Start Num: 22

Candidate Starts for Buckeye_18:

(Start: 22 @14719 has 249 MA's), (40, 14782), (52, 14839), (53, 14848), (54, 14851), (68, 14947), (74, 14983), (96, 15100), (119, 15232), (122, 15247), (127, 15268), (130, 15298), (148, 15367), (157, 15418), (162, 15439), (171, 15493), (172, 15496),

Gene: Burr_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Burr_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: Busephilis_29 Start: 17246, Stop: 17926, Start Num: 21

Candidate Starts for Busephilis_29:

(Start: 21 @17246 has 167 MA's), (44, 17333), (50, 17357), (61, 17432), (64, 17444), (71, 17492), (81, 17552), (109, 17681), (113, 17693), (122, 17741), (130, 17795), (148, 17855),

Gene: CRB2_22 Start: 17928, Stop: 18728, Start Num: 24

Candidate Starts for CRB2_22:

(Start: 24 @17928 has 40 MA's), (40, 17994), (48, 18024), (54, 18063), (61, 18114), (71, 18174), (72, 18186), (74, 18195), (78, 18216), (81, 18237), (89, 18282), (114, 18414), (132, 18516), (148, 18579), (157, 18624), (173, 18717),

Gene: CaiB_20 Start: 16088, Stop: 16897, Start Num: 24

Candidate Starts for CaiB_20:

(Start: 24 @16088 has 40 MA's), (32, 16106), (48, 16181), (54, 16220), (60, 16265), (74, 16352), (78, 16373), (80, 16391), (82, 16397), (89, 16439), (127, 16634), (148, 16736), (162, 16808), (172, 16865),

Gene: CamL_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for CamL_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: CampRoach_17 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for CampRoach_17:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: CandC_26 Start: 15681, Stop: 16622, Start Num: 21

Candidate Starts for CandC_26:

(Start: 21 @15681 has 167 MA's), (36, 15726), (86, 16020), (122, 16191), (130, 16245), (131, 16248), (152, 16326), (165, 16395), (166, 16401), (167, 16416), (183, 16560),

Gene: Cannibal_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Cannibal_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Carthage_17 Start: 14362, Stop: 15162, Start Num: 22

Candidate Starts for Carthage_17:

(Start: 22 @14362 has 249 MA's), (40, 14425), (52, 14482), (53, 14491), (54, 14494), (68, 14590), (74, 14626), (96, 14743), (119, 14875), (122, 14890), (127, 14911), (130, 14941), (148, 15010), (157, 15061), (162, 15082), (171, 15136), (172, 15139),

Gene: Casend_29 Start: 17700, Stop: 18647, Start Num: 21

Candidate Starts for Casend_29:

(Start: 21 @17700 has 167 MA's), (32, 17724), (41, 17772), (51, 17820), (131, 18270), (157, 18387), (175, 18492), (182, 18567),

Gene: ChadMasterC_23 Start: 18709, Stop: 19404, Start Num: 21

Candidate Starts for ChadMasterC_23:

(Start: 21 @18709 has 167 MA's), (29, 18718), (35, 18748), (52, 18835), (64, 18910), (71, 18958), (92, 19081), (94, 19093), (102, 19114), (131, 19267), (156, 19384),

Gene: Chaelin_17 Start: 14366, Stop: 15166, Start Num: 22

Candidate Starts for Chaelin_17:

(Start: 22 @14366 has 249 MA's), (40, 14429), (52, 14486), (53, 14495), (54, 14498), (68, 14594), (74, 14630), (96, 14747), (119, 14879), (122, 14894), (127, 14915), (130, 14945), (148, 15014), (157, 15065), (162, 15086), (171, 15140), (172, 15143),

Gene: Chah_18 Start: 14718, Stop: 15518, Start Num: 22

Candidate Starts for Chah_18:

(Start: 22 @14718 has 249 MA's), (40, 14781), (52, 14838), (53, 14847), (54, 14850), (68, 14946), (74, 14982), (96, 15099), (119, 15231), (122, 15246), (127, 15267), (130, 15297), (148, 15366), (157, 15417), (162, 15438), (171, 15492), (172, 15495),

Gene: Charles1_18 Start: 14681, Stop: 15481, Start Num: 22

Candidate Starts for Charles1_18:

(Start: 22 @14681 has 249 MA's), (40, 14744), (52, 14801), (53, 14810), (54, 14813), (68, 14909), (74, 14945), (96, 15062), (119, 15194), (122, 15209), (127, 15230), (130, 15260), (148, 15329), (157, 15380), (162, 15401), (171, 15455), (172, 15458),

Gene: CharlieGBrown_17 Start: 14270, Stop: 15070, Start Num: 22

Candidate Starts for CharlieGBrown_17:

(Start: 22 @14270 has 249 MA's), (40, 14333), (52, 14390), (53, 14399), (54, 14402), (68, 14498), (74, 14534), (96, 14651), (119, 14783), (122, 14798), (127, 14819), (130, 14849), (148, 14918), (157, 14969), (171, 15044), (172, 15047),

Gene: CharlottesWeb_18 Start: 14586, Stop: 15398, Start Num: 24

Candidate Starts for CharlottesWeb_18:

(Start: 24 @14586 has 40 MA's), (32, 14604), (54, 14718), (61, 14769), (74, 14850), (78, 14871), (80, 14889), (115, 15069), (125, 15126), (127, 15132), (144, 15204), (148, 15234), (162, 15306), (172,

15363),

Gene: Charming_21 Start: 17601, Stop: 18296, Start Num: 21

Candidate Starts for Charming_21:

(Start: 21 @17601 has 167 MA's), (29, 17610), (35, 17640), (52, 17727), (64, 17802), (82, 17916), (92, 17973), (94, 17985), (102, 18006), (131, 18159), (138, 18183), (156, 18276), (160, 18291),

Gene: CheetO_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for CheetO_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Cher_17 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for Cher_17:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Chickadee_23 Start: 17163, Stop: 17858, Start Num: 20

Candidate Starts for Chickadee_23:

(Start: 20 @17163 has 15 MA's), (29, 17172), (35, 17202), (48, 17262), (50, 17277), (52, 17289), (74, 17433), (92, 17532), (94, 17544), (116, 17628), (130, 17715), (150, 17799),

Gene: Childish_17 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Childish_17:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: Chorkpop_18 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for Chorkpop_18:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: ChrisnMich_17 Start: 15373, Stop: 16179, Start Num: 24

Candidate Starts for ChrisnMich_17:

(Start: 24 @15373 has 40 MA's), (40, 15436), (53, 15502), (54, 15505), (57, 15523), (71, 15616), (74, 15637), (78, 15658), (102, 15793), (119, 15886), (130, 15952), (142, 15985), (143, 15988), (148, 16021), (157, 16072), (162, 16093), (172, 16150),

Gene: Chunky_18 Start: 14711, Stop: 15511, Start Num: 22

Candidate Starts for Chunky_18:

(Start: 22 @14711 has 249 MA's), (40, 14774), (52, 14831), (53, 14840), (54, 14843), (68, 14939), (74, 14975), (96, 15092), (119, 15224), (122, 15239), (127, 15260), (130, 15290), (148, 15359), (157, 15410), (162, 15431), (171, 15485), (172, 15488),

Gene: Chute_17 Start: 14714, Stop: 15514, Start Num: 22

Candidate Starts for Chute_17:

(Start: 22 @14714 has 249 MA's), (40, 14777), (52, 14834), (53, 14843), (54, 14846), (68, 14942), (74, 14978), (96, 15095), (119, 15227), (122, 15242), (127, 15263), (130, 15293), (148, 15362), (157, 15413), (162, 15434), (171, 15488), (172, 15491),

Gene: Cinna_25 Start: 16663, Stop: 17355, Start Num: 21

Candidate Starts for Cinna_25:

(17, 16651), (Start: 21 @16663 has 167 MA's), (36, 16708), (50, 16774), (54, 16798), (61, 16849), (64, 16861), (71, 16909), (76, 16945), (81, 16972), (106, 17086), (113, 17113), (130, 17215), (131, 17218), (157, 17329),

Gene: ClamChowder_24 Start: 15824, Stop: 16510, Start Num: 21

Candidate Starts for ClamChowder_24:

(Start: 21 @15824 has 167 MA's), (48, 15923), (74, 16094), (75, 16097), (97, 16217), (147, 16445), (148, 16448),

Gene: Clawz_49 Start: 26964, Stop: 27716, Start Num: 28

Candidate Starts for Clawz_49:

(Start: 28 @26964 has 2 MA's), (30, 26970), (51, 27075), (54, 27093), (61, 27144), (71, 27204), (74, 27225), (77, 27243), (86, 27294), (87, 27300), (89, 27312), (91, 27318), (104, 27399), (112, 27432), (125, 27501), (130, 27537),

Gene: ClearAsMud_32 Start: 18024, Stop: 18704, Start Num: 21

Candidate Starts for ClearAsMud_32:

(Start: 21 @18024 has 167 MA's), (44, 18111), (50, 18135), (61, 18210), (64, 18222), (71, 18270), (81, 18330), (113, 18471), (122, 18519), (130, 18573), (148, 18633),

Gene: CloverMinnie_20 Start: 16028, Stop: 16837, Start Num: 24

Candidate Starts for CloverMinnie_20:

(Start: 24 @16028 has 40 MA's), (32, 16046), (48, 16121), (54, 16160), (60, 16205), (74, 16292), (78, 16313), (80, 16331), (82, 16337), (89, 16379), (127, 16574), (148, 16676), (162, 16748), (172, 16805),

Gene: Clown_26 Start: 17806, Stop: 18492, Start Num: 21

Candidate Starts for Clown_26:

(Start: 21 @17806 has 167 MA's), (48, 17905), (52, 17932), (71, 18055), (138, 18382), (148, 18430), (152, 18445),

Gene: Cobra_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Cobra_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Colbert_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Colbert_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Coletti_17 Start: 14714, Stop: 15514, Start Num: 22

Candidate Starts for Coletti_17:

(Start: 22 @14714 has 249 MA's), (40, 14777), (52, 14834), (53, 14843), (54, 14846), (68, 14942), (74, 14978), (96, 15095), (119, 15227), (122, 15242), (127, 15263), (130, 15293), (148, 15362), (157, 15413), (162, 15434), (171, 15488), (172, 15491),

Gene: Cooper_18 Start: 15481, Stop: 16287, Start Num: 24

Candidate Starts for Cooper_18:

(Start: 24 @15481 has 40 MA's), (40, 15544), (53, 15610), (54, 15613), (57, 15631), (71, 15724), (74, 15745), (78, 15766), (102, 15901), (119, 15994), (143, 16096), (148, 16129), (151, 16141), (152, 16144), (157, 16180),

Gene: Cornobble_17 Start: 14259, Stop: 15059, Start Num: 22

Candidate Starts for Cornobble_17:

(Start: 22 @14259 has 249 MA's), (40, 14322), (52, 14379), (53, 14388), (54, 14391), (68, 14487), (74, 14523), (96, 14640), (119, 14772), (122, 14787), (127, 14808), (130, 14838), (148, 14907), (157, 14958), (162, 14979), (171, 15033), (172, 15036),

Gene: Cosmolli16_17 Start: 14416, Stop: 15216, Start Num: 22

Candidate Starts for Cosmolli16_17:

(Start: 22 @14416 has 249 MA's), (40, 14479), (52, 14536), (53, 14545), (54, 14548), (68, 14644), (74, 14680), (96, 14797), (119, 14929), (122, 14944), (127, 14965), (130, 14995), (148, 15064), (157, 15115), (162, 15136), (171, 15190), (172, 15193),

Gene: Craff_18 Start: 14705, Stop: 15505, Start Num: 22

Candidate Starts for Craff_18:

(Start: 22 @14705 has 249 MA's), (40, 14768), (52, 14825), (53, 14834), (54, 14837), (68, 14933), (74, 14969), (96, 15086), (119, 15218), (122, 15233), (127, 15254), (130, 15284), (148, 15353), (157, 15404), (162, 15425), (171, 15479), (172, 15482),

Gene: Cranjis_31 Start: 17470, Stop: 18150, Start Num: 21

Candidate Starts for Cranjis_31:

(Start: 21 @17470 has 167 MA's), (44, 17557), (50, 17581), (61, 17656), (64, 17668), (71, 17716), (81, 17776), (109, 17905), (113, 17917), (122, 17965), (130, 18019), (148, 18079), (163, 18139),

Gene: CrazyRich_29 Start: 17280, Stop: 17960, Start Num: 21

Candidate Starts for CrazyRich_29:

(Start: 21 @17280 has 167 MA's), (44, 17367), (50, 17391), (61, 17466), (64, 17478), (71, 17526), (81, 17586), (109, 17715), (113, 17727), (122, 17775), (130, 17829), (148, 17889),

Gene: Cressida_27 Start: 16707, Stop: 17411, Start Num: 21

Candidate Starts for Cressida_27:

(17, 16695), (Start: 21 @16707 has 167 MA's), (41, 16779), (50, 16818), (61, 16893), (64, 16905), (71, 16953), (81, 17016), (84, 17031), (106, 17130), (113, 17157), (131, 17262), (145, 17304),

Gene: Crisis_31 Start: 17265, Stop: 17945, Start Num: 21

Candidate Starts for Crisis_31:

(Start: 21 @17265 has 167 MA's), (44, 17352), (50, 17376), (61, 17451), (64, 17463), (71, 17511), (81, 17571), (109, 17700), (113, 17712), (122, 17760), (130, 17814), (148, 17874),

Gene: Crownjwl_18 Start: 14472, Stop: 15272, Start Num: 22

Candidate Starts for Crownjwl_18:

(Start: 22 @14472 has 249 MA's), (40, 14535), (52, 14592), (53, 14601), (54, 14604), (68, 14700), (74, 14736), (96, 14853), (119, 14985), (122, 15000), (127, 15021), (130, 15051), (148, 15120), (157, 15171), (162, 15192), (171, 15246), (172, 15249),

Gene: DaddyDaniels_18 Start: 14408, Stop: 15208, Start Num: 22

Candidate Starts for DaddyDaniels_18:

(Start: 22 @14408 has 249 MA's), (40, 14471), (52, 14528), (53, 14537), (54, 14540), (68, 14636), (74, 14672), (96, 14789), (119, 14921), (122, 14936), (127, 14957), (130, 14987), (148, 15056), (157, 15107), (162, 15128), (171, 15182), (172, 15185),

Gene: Daffy_18 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for Daffy_18:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Daka_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Daka_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Danyall_24 Start: 15670, Stop: 16356, Start Num: 21

Candidate Starts for Danyall_24:

(Start: 21 @15670 has 167 MA's), (48, 15769), (74, 15940), (75, 15943), (97, 16063), (147, 16291), (148, 16294),

Gene: Dati_18 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Dati_18:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: DelRivs_17 Start: 14411, Stop: 15211, Start Num: 22

Candidate Starts for DelRivs_17:

(Start: 22 @14411 has 249 MA's), (40, 14474), (52, 14531), (53, 14540), (54, 14543), (68, 14639), (74, 14675), (96, 14792), (119, 14924), (122, 14939), (127, 14960), (130, 14990), (148, 15059), (157, 15110), (162, 15131), (171, 15185), (172, 15188),

Gene: Delrey21_24 Start: 18380, Stop: 19072, Start Num: 20

Candidate Starts for Delrey21_24:

(Start: 20 @18380 has 15 MA's), (35, 18419), (38, 18434), (42, 18455), (43, 18458), (50, 18494), (92, 18749), (150, 19016),

Gene: Derg_21 Start: 17869, Stop: 18564, Start Num: 21

Candidate Starts for Derg_21:

(Start: 21 @17869 has 167 MA's), (35, 17908), (64, 18070), (92, 18241), (94, 18253), (131, 18427), (156, 18544), (160, 18559),

Gene: Derpp_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Derpp_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Dxdert_24 Start: 17606, Stop: 18295, Start Num: 20

Candidate Starts for Dxdert_24:

(Start: 20 @17606 has 15 MA's), (29, 17615), (32, 17630), (35, 17645), (48, 17705), (50, 17720), (52, 17732), (92, 17975), (94, 17987), (116, 18071), (122, 18104), (130, 18158), (138, 18185), (142, 18197), (150, 18242),

Gene: Dice_18 Start: 14399, Stop: 15199, Start Num: 22

Candidate Starts for Dice_18:

(Start: 22 @14399 has 249 MA's), (40, 14462), (52, 14519), (53, 14528), (54, 14531), (68, 14627), (74, 14663), (96, 14780), (119, 14912), (122, 14927), (127, 14948), (130, 14978), (148, 15047), (157, 15098), (162, 15119), (171, 15173), (172, 15176),

Gene: DigitDog_21 Start: 16468, Stop: 17304, Start Num: 13

Candidate Starts for DigitDog_21:

(4, 16399), (Start: 13 @16468 has 8 MA's), (Start: 24 @16501 has 40 MA's), (50, 16609), (51, 16615), (53, 16630), (54, 16633), (57, 16651), (74, 16765), (127, 17050), (130, 17080), (140, 17107), (148, 17149),

Gene: Dingo_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Dingo_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Dione_17 Start: 14400, Stop: 15200, Start Num: 22

Candidate Starts for Dione_17:

(Start: 22 @14400 has 249 MA's), (40, 14463), (52, 14520), (53, 14529), (54, 14532), (68, 14628), (74, 14664), (96, 14781), (119, 14913), (122, 14928), (127, 14949), (130, 14979), (148, 15048), (157, 15099), (162, 15120), (171, 15174), (172, 15177),

Gene: DirtJuice_18 Start: 14687, Stop: 15487, Start Num: 22

Candidate Starts for DirtJuice_18:

(Start: 22 @14687 has 249 MA's), (40, 14750), (52, 14807), (53, 14816), (54, 14819), (68, 14915), (74, 14951), (96, 15068), (119, 15200), (122, 15215), (127, 15236), (130, 15266), (148, 15335), (157, 15386), (162, 15407), (171, 15461), (172, 15464),

Gene: DoctorFroggo_24 Start: 18380, Stop: 19072, Start Num: 20

Candidate Starts for DoctorFroggo_24:

(Start: 20 @18380 has 15 MA's), (35, 18419), (38, 18434), (42, 18455), (43, 18458), (50, 18494), (92, 18749), (150, 19016),

Gene: Doddsville_18 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Doddsville_18:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: DoesntMatter_18 Start: 14681, Stop: 15481, Start Num: 22

Candidate Starts for DoesntMatter_18:

(Start: 22 @14681 has 249 MA's), (40, 14744), (52, 14801), (53, 14810), (54, 14813), (68, 14909), (74, 14945), (96, 15062), (119, 15194), (122, 15209), (127, 15230), (130, 15260), (148, 15329), (157, 15380), (162, 15401), (171, 15455), (172, 15458),

Gene: DonSanchon_17 Start: 14400, Stop: 15200, Start Num: 22

Candidate Starts for DonSanchon_17:

(Start: 22 @14400 has 249 MA's), (40, 14463), (52, 14520), (53, 14529), (54, 14532), (68, 14628), (74, 14664), (96, 14781), (119, 14913), (122, 14928), (127, 14949), (130, 14979), (148, 15048), (157, 15099), (162, 15120), (171, 15174), (172, 15177),

Gene: DonTron_49 Start: 27098, Stop: 27841, Start Num: 28

Candidate Starts for DonTron_49:

(Start: 28 @27098 has 2 MA's), (30, 27104), (48, 27188), (54, 27227), (61, 27278), (74, 27359), (77, 27377), (86, 27428), (87, 27434), (89, 27446), (104, 27533), (112, 27566), (125, 27635), (148, 27743),

Gene: DonaldDuck_28 Start: 17046, Stop: 17993, Start Num: 21

Candidate Starts for DonaldDuck_28:

(Start: 21 @17046 has 167 MA's), (32, 17070), (41, 17118), (51, 17166), (131, 17616), (157, 17733), (175, 17838), (182, 17913),

Gene: Donny_20 Start: 16509, Stop: 17345, Start Num: 13

Candidate Starts for Donny_20:

(2, 16398), (Start: 13 @16509 has 8 MA's), (Start: 24 @16542 has 40 MA's), (48, 16635), (50, 16650), (51, 16656), (53, 16671), (54, 16674), (57, 16692), (74, 16806), (127, 17091), (130, 17121), (144, 17160), (148, 17190), (162, 17262),

Gene: Dori_17 Start: 13328, Stop: 14131, Start Num: 27

Candidate Starts for Dori_17:

(Start: 27 @13328 has 3 MA's), (31, 13340), (34, 13355), (36, 13364), (38, 13373), (54, 13457), (61, 13508), (78, 13610), (79, 13613), (83, 13640), (90, 13679), (92, 13688), (103, 13757), (116, 13820), (144, 13946), (152, 14000),

Gene: DuchessDung_17 Start: 14252, Stop: 15052, Start Num: 22

Candidate Starts for DuchessDung_17:

(Start: 22 @14252 has 249 MA's), (40, 14315), (52, 14372), (53, 14381), (54, 14384), (68, 14480), (74, 14516), (96, 14633), (119, 14765), (122, 14780), (127, 14801), (130, 14831), (148, 14900), (157, 14951), (162, 14972), (171, 15026), (172, 15029),

Gene: Duggie_17 Start: 14414, Stop: 15214, Start Num: 22

Candidate Starts for Duggie_17:

(Start: 22 @14414 has 249 MA's), (40, 14477), (52, 14534), (53, 14543), (54, 14546), (68, 14642), (74, 14678), (96, 14795), (119, 14927), (122, 14942), (127, 14963), (130, 14993), (148, 15062), (157, 15113), (162, 15134), (171, 15188), (172, 15191),

Gene: DunneganBoMo_77 Start: 46623, Stop: 47267, Start Num: 21

Candidate Starts for DunneganBoMo_77:

(Start: 21 @46623 has 167 MA's), (42, 46698), (50, 46737), (74, 46893), (111, 47073), (137, 47196),

Gene: Durga_18 Start: 14713, Stop: 15513, Start Num: 22

Candidate Starts for Durga_18:

(Start: 22 @14713 has 249 MA's), (40, 14776), (52, 14833), (53, 14842), (54, 14845), (68, 14941), (74, 14977), (96, 15094), (119, 15226), (122, 15241), (127, 15262), (130, 15292), (148, 15361), (157, 15412), (162, 15433), (171, 15487), (172, 15490),

Gene: EMoore_19 Start: 16450, Stop: 17142, Start Num: 21

Candidate Starts for EMoore_19:

(Start: 21 @16450 has 167 MA's), (35, 16489), (52, 16576), (74, 16720), (82, 16765), (92, 16819), (102, 16852), (129, 16987), (132, 17008), (150, 17086), (152, 17092),

Gene: EarickHC_30 Start: 17191, Stop: 17871, Start Num: 21

Candidate Starts for EarickHC_30:

(Start: 21 @17191 has 167 MA's), (44, 17278), (50, 17302), (61, 17377), (64, 17389), (71, 17437), (81, 17497), (109, 17626), (113, 17638), (122, 17686), (130, 17740), (148, 17800),

Gene: EastView9101_21 Start: 16515, Stop: 17351, Start Num: 13

Candidate Starts for EastView9101_21:

(3, 16431), (Start: 13 @16515 has 8 MA's), (Start: 24 @16548 has 40 MA's), (50, 16656), (51, 16662), (53, 16677), (54, 16680), (57, 16698), (74, 16812), (127, 17097), (130, 17127), (144, 17166), (148, 17196), (162, 17268), (175, 17346),

Gene: EdmundFerry_22 Start: 17192, Stop: 17887, Start Num: 20

Candidate Starts for EdmundFerry_22:

(Start: 20 @17192 has 15 MA's), (29, 17201), (35, 17231), (48, 17291), (50, 17306), (52, 17318), (74, 17462), (92, 17561), (94, 17573), (116, 17657), (130, 17744), (150, 17828),

Gene: Emiris_18 Start: 14694, Stop: 15494, Start Num: 22

Candidate Starts for Emiris_18:

(Start: 22 @14694 has 249 MA's), (40, 14757), (52, 14814), (53, 14823), (54, 14826), (68, 14922), (74, 14958), (96, 15075), (119, 15207), (122, 15222), (127, 15243), (130, 15273), (148, 15342), (157, 15393), (162, 15414), (171, 15468), (172, 15471),

Gene: EmpTee_18 Start: 14700, Stop: 15500, Start Num: 22

Candidate Starts for EmpTee_18:

(Start: 22 @14700 has 249 MA's), (40, 14763), (53, 14829), (54, 14832), (68, 14928), (74, 14964), (96, 15081), (119, 15213), (122, 15228), (127, 15249), (130, 15279), (148, 15348), (157, 15399), (162, 15420), (171, 15474), (172, 15477),

Gene: Eremos_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Eremos_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Etaye_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Etaye_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Eugenia_18 Start: 14712, Stop: 15512, Start Num: 22

Candidate Starts for Eugenia_18:

(Start: 22 @14712 has 249 MA's), (40, 14775), (52, 14832), (53, 14841), (54, 14844), (68, 14940), (74, 14976), (96, 15093), (119, 15225), (122, 15240), (127, 15261), (130, 15291), (148, 15360), (157, 15411), (162, 15432), (171, 15486), (172, 15489),

Gene: Evaa_19 Start: 15945, Stop: 16754, Start Num: 25

Candidate Starts for Evaa_19:

(19, 15936), (Start: 25 @15945 has 8 MA's), (32, 15963), (48, 16038), (54, 16077), (61, 16128), (71, 16188), (74, 16209), (78, 16230), (115, 16428), (127, 16491), (148, 16593),

Gene: Evamon_22 Start: 15156, Stop: 15842, Start Num: 21

Candidate Starts for Evamon_22:

(Start: 21 @15156 has 167 MA's), (48, 15255), (74, 15426), (75, 15429), (97, 15549), (147, 15777), (148, 15780),

Gene: Fang_18 Start: 14715, Stop: 15515, Start Num: 22

Candidate Starts for Fang_18:

(Start: 22 @14715 has 249 MA's), (40, 14778), (52, 14835), (53, 14844), (54, 14847), (68, 14943), (74, 14979), (96, 15096), (119, 15228), (122, 15243), (127, 15264), (130, 15294), (148, 15363), (157, 15414), (162, 15435), (171, 15489), (172, 15492),

Gene: Fireball_23 Start: 15288, Stop: 15974, Start Num: 21

Candidate Starts for Fireball_23:

(Start: 21 @15288 has 167 MA's), (52, 15414), (75, 15561), (97, 15681), (130, 15837), (138, 15864), (147, 15909), (148, 15912),

Gene: Fireman_30 Start: 17082, Stop: 17762, Start Num: 21

Candidate Starts for Fireman_30:

(Start: 21 @17082 has 167 MA's), (44, 17169), (60, 17262), (64, 17280), (71, 17328), (75, 17352), (81, 17388), (106, 17502), (113, 17529), (122, 17577), (130, 17631), (148, 17691), (163, 17751),

Gene: Fitzgerald_21 Start: 18039, Stop: 18734, Start Num: 21

Candidate Starts for Fitzgerald_21:

(Start: 21 @18039 has 167 MA's), (29, 18048), (35, 18078), (52, 18165), (64, 18240), (71, 18288), (92, 18411), (94, 18423), (102, 18444), (131, 18597), (156, 18714),

Gene: Fizzles_28 Start: 16958, Stop: 17899, Start Num: 23

Candidate Starts for Fizzles_28:

(Start: 21 @16955 has 167 MA's), (Start: 23 @16958 has 2 MA's), (32, 16979), (41, 17027), (48, 17054), (71, 17204), (92, 17327), (157, 17642), (166, 17681), (175, 17744), (178, 17780), (183, 17837),

Gene: Flatwoods_24 Start: 18230, Stop: 18925, Start Num: 21

Candidate Starts for Flatwoods_24:

(Start: 21 @18230 has 167 MA's), (35, 18269), (64, 18431), (66, 18458), (92, 18602), (94, 18614), (131, 18788), (156, 18905), (160, 18920),

Gene: FluffyNinja_18 Start: 14703, Stop: 15503, Start Num: 22

Candidate Starts for FluffyNinja_18:

(Start: 22 @14703 has 249 MA's), (40, 14766), (52, 14823), (53, 14832), (54, 14835), (68, 14931), (74, 14967), (96, 15084), (119, 15216), (122, 15231), (127, 15252), (130, 15282), (148, 15351), (157, 15402), (162, 15423), (171, 15477), (172, 15480),

Gene: Fortunato_18 Start: 16431, Stop: 17237, Start Num: 24

Candidate Starts for Fortunato_18:

(Start: 24 @16431 has 40 MA's), (40, 16494), (53, 16560), (54, 16563), (57, 16581), (71, 16674), (74, 16695), (78, 16716), (92, 16794), (102, 16851), (119, 16944), (143, 17046), (148, 17079), (151, 17091), (152, 17094), (157, 17130),

Gene: Forza_89 Start: 44347, Stop: 44991, Start Num: 21

Candidate Starts for Forza_89:

(Start: 21 @44347 has 167 MA's), (36, 44389), (50, 44458), (111, 44794), (118, 44818), (119, 44830), (120, 44833), (128, 44872),

Gene: Fosterous_21 Start: 18489, Stop: 19184, Start Num: 21

Candidate Starts for Fosterous_21:

(Start: 21 @18489 has 167 MA's), (29, 18498), (35, 18528), (52, 18615), (64, 18690), (82, 18804), (92, 18861), (94, 18873), (102, 18894), (131, 19047), (156, 19164), (160, 19179),

Gene: Fozzie_17 Start: 14709, Stop: 15509, Start Num: 22

Candidate Starts for Fozzie_17:

(Start: 22 @14709 has 249 MA's), (40, 14772), (52, 14829), (53, 14838), (54, 14841), (68, 14937), (74, 14973), (96, 15090), (119, 15222), (122, 15237), (127, 15258), (130, 15288), (148, 15357), (157, 15408), (162, 15429), (171, 15483), (172, 15486),

Gene: Frankicide_18 Start: 14701, Stop: 15501, Start Num: 22

Candidate Starts for Frankicide_18:

(Start: 22 @14701 has 249 MA's), (40, 14764), (52, 14821), (53, 14830), (54, 14833), (68, 14929), (74, 14965), (96, 15082), (119, 15214), (122, 15229), (127, 15250), (130, 15280), (148, 15349), (157, 15400), (162, 15421), (171, 15475), (172, 15478),

Gene: Fransoyer_30 Start: 17064, Stop: 18002, Start Num: 21

Candidate Starts for Fransoyer_30:

(Start: 21 @17064 has 167 MA's), (32, 17088), (67, 17295), (71, 17313), (118, 17550), (129, 17616), (130, 17631), (148, 17700), (150, 17709), (152, 17715), (175, 17853),

Gene: Frederick_18 Start: 16440, Stop: 17246, Start Num: 24

Candidate Starts for Frederick_18:

(Start: 24 @16440 has 40 MA's), (40, 16503), (53, 16569), (54, 16572), (57, 16590), (71, 16683), (74, 16704), (78, 16725), (92, 16803), (102, 16860), (119, 16953), (143, 17055), (148, 17088), (151, 17100), (152, 17103), (157, 17139),

Gene: Fregley_28 Start: 16254, Stop: 17195, Start Num: 21

Candidate Starts for Fregley_28:

(Start: 21 @16254 has 167 MA's), (36, 16299), (86, 16593), (122, 16764), (130, 16818), (131, 16821), (152, 16899), (165, 16968), (167, 16989), (183, 17133),

Gene: Fresco_18 Start: 14690, Stop: 15502, Start Num: 25

Candidate Starts for Fresco_18:

(Start: 25 @14690 has 8 MA's), (32, 14708), (48, 14783), (52, 14810), (54, 14822), (60, 14867), (74, 14954), (78, 14975), (119, 15200), (125, 15230), (127, 15236), (148, 15338), (162, 15410), (172, 15467),

Gene: Freya_17 Start: 14395, Stop: 15195, Start Num: 22

Candidate Starts for Freya_17:

(Start: 22 @14395 has 249 MA's), (40, 14458), (52, 14515), (53, 14524), (54, 14527), (68, 14623), (74, 14659), (96, 14776), (119, 14908), (122, 14923), (127, 14944), (130, 14974), (148, 15043), (157, 15094), (162, 15115), (171, 15169), (172, 15172),

Gene: FriarPreacher_18 Start: 14720, Stop: 15520, Start Num: 22

Candidate Starts for FriarPreacher_18:

(Start: 22 @14720 has 249 MA's), (40, 14783), (52, 14840), (53, 14849), (54, 14852), (68, 14948), (74, 14984), (96, 15101), (119, 15233), (122, 15248), (127, 15269), (130, 15299), (148, 15368), (157, 15419), (162, 15440), (171, 15494), (172, 15497),

Gene: Fringe_18 Start: 14682, Stop: 15482, Start Num: 22

Candidate Starts for Fringe_18:

(Start: 22 @14682 has 249 MA's), (40, 14745), (52, 14802), (53, 14811), (54, 14814), (68, 14910), (74, 14946), (96, 15063), (119, 15195), (122, 15210), (127, 15231), (130, 15261), (148, 15330), (157, 15381), (162, 15402), (171, 15456), (172, 15459),

Gene: FugateOSU_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for FugateOSU_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Fugax_24 Start: 15824, Stop: 16510, Start Num: 21

Candidate Starts for Fugax_24:

(Start: 21 @15824 has 167 MA's), (48, 15923), (74, 16094), (75, 16097), (97, 16217), (147, 16445), (148, 16448),

Gene: Funsized_22 Start: 18420, Stop: 19223, Start Num: 24

Candidate Starts for Funsized_22:

(Start: 24 @18420 has 40 MA's), (40, 18486), (48, 18516), (50, 18531), (52, 18543), (53, 18552), (54, 18555), (71, 18666), (74, 18687), (91, 18780), (114, 18906), (119, 18936), (130, 19002), (145, 19047), (148, 19071), (157, 19116), (162, 19137), (165, 19149),

Gene: GMA2_18 Start: 17722, Stop: 18366, Start Num: 21

Candidate Starts for GMA2_18:

(Start: 21 @17722 has 167 MA's), (33, 17752), (50, 17833), (111, 18169), (119, 18205), (120, 18208),

Gene: GTE6_23 Start: 17681, Stop: 18376, Start Num: 20

Candidate Starts for GTE6_23:

(Start: 20 @17681 has 15 MA's), (29, 17690), (35, 17720), (48, 17780), (50, 17795), (52, 17807), (74, 17951), (92, 18050), (94, 18062), (116, 18146), (130, 18233), (150, 18317),

Gene: Gaea_23 Start: 17881, Stop: 18576, Start Num: 20

Candidate Starts for Gaea_23:

(Start: 20 @17881 has 15 MA's), (35, 17920), (49, 17992), (64, 18082), (66, 18109), (92, 18253), (94, 18265), (131, 18439), (156, 18556), (160, 18571),

Gene: Galadriel_25 Start: 18354, Stop: 19049, Start Num: 21

Candidate Starts for Galadriel_25:

(Start: 21 @18354 has 167 MA's), (29, 18363), (35, 18393), (52, 18480), (64, 18555), (82, 18669), (92, 18726), (94, 18738), (102, 18759), (131, 18912), (156, 19029), (160, 19044),

Gene: Ganandorf_29 Start: 17327, Stop: 18007, Start Num: 21

Candidate Starts for Ganandorf_29:

(Start: 21 @17327 has 167 MA's), (44, 17414), (50, 17438), (61, 17513), (64, 17525), (71, 17573), (81, 17633), (109, 17762), (113, 17774), (122, 17822), (130, 17876), (148, 17936),

Gene: Gareth_17 Start: 14403, Stop: 15203, Start Num: 22

Candidate Starts for Gareth_17:

(Start: 22 @14403 has 249 MA's), (40, 14466), (52, 14523), (53, 14532), (54, 14535), (68, 14631), (74, 14667), (96, 14784), (119, 14916), (122, 14931), (127, 14952), (130, 14982), (148, 15051), (157, 15102), (162, 15123), (171, 15177), (172, 15180),

Gene: Gazebo_27 Start: 17486, Stop: 18433, Start Num: 21

Candidate Starts for Gazebo_27:

(Start: 21 @17486 has 167 MA's), (32, 17510), (41, 17558), (51, 17606), (130, 18053), (131, 18056), (157, 18173), (175, 18278),

Gene: GeneCoco_18 Start: 14705, Stop: 15505, Start Num: 22

Candidate Starts for GeneCoco_18:

(Start: 22 @14705 has 249 MA's), (40, 14768), (52, 14825), (53, 14834), (54, 14837), (68, 14933), (74, 14969), (96, 15086), (119, 15218), (122, 15233), (127, 15254), (130, 15284), (148, 15353), (157, 15404), (171, 15479), (172, 15482),

Gene: Geodirt_22 Start: 18601, Stop: 19296, Start Num: 21

Candidate Starts for Geodirt_22:

(Start: 21 @18601 has 167 MA's), (29, 18610), (35, 18640), (52, 18727), (64, 18802), (82, 18916), (92, 18973), (94, 18985), (102, 19006), (131, 19159), (156, 19276), (160, 19291),

Gene: Gezellig_23 Start: 15288, Stop: 15974, Start Num: 21

Candidate Starts for Gezellig_23:

(Start: 21 @15288 has 167 MA's), (52, 15414), (75, 15561), (97, 15681), (130, 15837), (138, 15864), (147, 15909), (148, 15912),

Gene: Giraffe_18 Start: 14407, Stop: 15207, Start Num: 22

Candidate Starts for Giraffe_18:

(Start: 22 @14407 has 249 MA's), (40, 14470), (52, 14527), (53, 14536), (54, 14539), (68, 14635), (74, 14671), (96, 14788), (119, 14920), (122, 14935), (127, 14956), (130, 14986), (148, 15055), (157, 15106), (162, 15127), (171, 15181), (172, 15184),

Gene: GodonK_78 Start: 39164, Stop: 39817, Start Num: 21

Candidate Starts for GodonK_78:

(Start: 21 @39164 has 167 MA's), (50, 39278), (77, 39452), (111, 39620), (117, 39641), (119, 39656), (120, 39659),

Gene: Gophee_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Gophee_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Grand2040_17 Start: 14422, Stop: 15222, Start Num: 22

Candidate Starts for Grand2040_17:

(Start: 22 @14422 has 249 MA's), (40, 14485), (52, 14542), (53, 14551), (54, 14554), (68, 14650), (74, 14686), (96, 14803), (119, 14935), (122, 14950), (127, 14971), (130, 15001), (148, 15070), (157, 15121), (162, 15142), (171, 15196), (172, 15199),

Gene: Grassboy_29 Start: 17659, Stop: 18606, Start Num: 21

Candidate Starts for Grassboy_29:

(Start: 21 @17659 has 167 MA's), (32, 17683), (41, 17731), (51, 17779), (130, 18226), (131, 18229), (157, 18346), (175, 18451), (182, 18526),

Gene: Gustavo_23 Start: 18018, Stop: 18713, Start Num: 21

Candidate Starts for Gustavo_23:

(7, 17958), (Start: 21 @18018 has 167 MA's), (35, 18057), (64, 18219), (92, 18390), (94, 18402), (156, 18693), (160, 18708),

Gene: Gwilliam_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Gwilliam_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: Gyarad_0018 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Gyarad_0018:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: HSavage_18 Start: 14707, Stop: 15507, Start Num: 22

Candidate Starts for HSavage_18:

(Start: 22 @14707 has 249 MA's), (40, 14770), (52, 14827), (53, 14836), (54, 14839), (68, 14935), (74, 14971), (96, 15088), (119, 15220), (122, 15235), (127, 15256), (130, 15286), (148, 15355), (157, 15406), (162, 15427), (171, 15481), (172, 15484),

Gene: Haimas_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Haimas_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Haleema_17 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for Haleema_17:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Halo3_23 Start: 15581, Stop: 16267, Start Num: 21

Candidate Starts for Halo3_23:

(Start: 21 @15581 has 167 MA's), (48, 15680), (74, 15851), (75, 15854), (97, 15974), (147, 16202), (148, 16205),

Gene: Hamish_18 Start: 14693, Stop: 15493, Start Num: 22

Candidate Starts for Hamish_18:

(Start: 22 @14693 has 249 MA's), (40, 14756), (52, 14813), (53, 14822), (54, 14825), (68, 14921), (74, 14957), (96, 15074), (119, 15206), (122, 15221), (127, 15242), (130, 15272), (148, 15341), (157, 15392), (162, 15413), (171, 15467), (172, 15470),

Gene: Hangman_18 Start: 16440, Stop: 17246, Start Num: 24

Candidate Starts for Hangman_18:

(Start: 24 @16440 has 40 MA's), (40, 16503), (53, 16569), (54, 16572), (57, 16590), (71, 16683), (74, 16704), (78, 16725), (100, 16842), (102, 16860), (119, 16953), (130, 17019), (143, 17055), (148, 17088), (151, 17100), (152, 17103), (157, 17139),

Gene: Hans_26 Start: 18792, Stop: 19478, Start Num: 21

Candidate Starts for Hans_26:

(Start: 21 @18792 has 167 MA's), (35, 18831), (52, 18918), (71, 19041), (75, 19065), (82, 19107), (92, 19161), (102, 19194), (132, 19350), (150, 19428), (152, 19434),

Gene: Hartsy_17 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Hartsy_17:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: Harvey_18 Start: 14721, Stop: 15521, Start Num: 22

Candidate Starts for Harvey_18:

(Start: 22 @14721 has 249 MA's), (40, 14784), (52, 14841), (53, 14850), (54, 14853), (68, 14949), (74, 14985), (96, 15102), (119, 15234), (122, 15249), (127, 15270), (130, 15300), (148, 15369), (157, 15420), (162, 15441), (171, 15495), (172, 15498),

Gene: Hashim76_23 Start: 15905, Stop: 16705, Start Num: 22

Candidate Starts for Hashim76_23:

(Start: 22 @15905 has 249 MA's), (40, 15968), (53, 16034), (54, 16037), (74, 16169), (96, 16286), (102, 16325), (140, 16511), (148, 16553), (159, 16610),

Gene: Heath_18 Start: 16437, Stop: 17243, Start Num: 24

Candidate Starts for Heath_18:

(Start: 24 @16437 has 40 MA's), (40, 16500), (53, 16566), (54, 16569), (57, 16587), (71, 16680), (74, 16701), (78, 16722), (102, 16857), (119, 16950), (142, 17049), (143, 17052), (148, 17085), (151, 17097), (152, 17100), (157, 17136),

Gene: Held_18 Start: 14407, Stop: 15207, Start Num: 22

Candidate Starts for Held_18:

(Start: 22 @14407 has 249 MA's), (40, 14470), (52, 14527), (53, 14536), (54, 14539), (68, 14635), (74, 14671), (96, 14788), (119, 14920), (122, 14935), (127, 14956), (130, 14986), (148, 15055), (157, 15106), (162, 15127), (171, 15181), (172, 15184),

Gene: HenryJackson_17 Start: 14421, Stop: 15221, Start Num: 22

Candidate Starts for HenryJackson_17:

(Start: 22 @14421 has 249 MA's), (40, 14484), (52, 14541), (53, 14550), (54, 14553), (68, 14649), (74, 14685), (96, 14802), (119, 14934), (122, 14949), (127, 14970), (130, 15000), (148, 15069), (157, 15120), (162, 15141), (171, 15195), (172, 15198),

Gene: Hermeonysus_29 Start: 17199, Stop: 17879, Start Num: 21

Candidate Starts for Hermeonysus_29:

(Start: 21 @17199 has 167 MA's), (44, 17286), (50, 17310), (61, 17385), (64, 17397), (71, 17445), (81, 17505), (109, 17634), (113, 17646), (122, 17694), (130, 17748), (148, 17808), (163, 17868),

Gene: Hertubise_18 Start: 14714, Stop: 15514, Start Num: 22

Candidate Starts for Hertubise_18:

(Start: 22 @14714 has 249 MA's), (40, 14777), (52, 14834), (53, 14843), (54, 14846), (68, 14942), (74, 14978), (96, 15095), (119, 15227), (122, 15242), (127, 15263), (130, 15293), (148, 15362), (157, 15413), (162, 15434), (171, 15488), (172, 15491),

Gene: Hetaeria_18 Start: 14717, Stop: 15517, Start Num: 22

Candidate Starts for Hetaeria_18:

(Start: 22 @14717 has 249 MA's), (40, 14780), (52, 14837), (53, 14846), (54, 14849), (68, 14945), (74, 14981), (96, 15098), (119, 15230), (122, 15245), (127, 15266), (130, 15296), (148, 15365), (157, 15416), (162, 15437), (171, 15491), (172, 15494),

Gene: HighStump_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for HighStump_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Hocus_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Hocus_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Honeyfin_31 Start: 17515, Stop: 18195, Start Num: 21

Candidate Starts for Honeyfin_31:

(Start: 21 @17515 has 167 MA's), (44, 17602), (50, 17626), (61, 17701), (64, 17713), (71, 17761), (81, 17821), (109, 17950), (113, 17962), (122, 18010), (130, 18064), (148, 18124),

Gene: Horchata_18 Start: 14686, Stop: 15486, Start Num: 22

Candidate Starts for Horchata_18:

(Start: 22 @14686 has 249 MA's), (40, 14749), (52, 14806), (53, 14815), (54, 14818), (68, 14914), (74, 14950), (96, 15067), (119, 15199), (122, 15214), (127, 15235), (130, 15265), (148, 15334), (157, 15385), (162, 15406), (171, 15460), (172, 15463),

Gene: Hosp_014 Start: 13184, Stop: 13993, Start Num: 24

Candidate Starts for Hosp_014:

(15, 13157), (19, 13175), (Start: 24 @13184 has 40 MA's), (53, 13313), (54, 13316), (71, 13427), (73, 13442), (74, 13448), (96, 13571), (127, 13739), (130, 13769), (157, 13889), (172, 13967), (174, 13982),

Gene: Hydro_18 Start: 16437, Stop: 17243, Start Num: 24

Candidate Starts for Hydro_18:

(Start: 24 @16437 has 40 MA's), (40, 16500), (53, 16566), (54, 16569), (57, 16587), (71, 16680), (74, 16701), (78, 16722), (100, 16839), (102, 16857), (119, 16950), (143, 17052), (148, 17085), (151, 17097), (152, 17100), (157, 17136),

Gene: Hyperion_27 Start: 17443, Stop: 18390, Start Num: 21

Candidate Starts for Hyperion_27:

(Start: 21 @17443 has 167 MA's), (32, 17467), (41, 17515), (51, 17563), (130, 18010), (131, 18013), (157, 18130), (175, 18235),

Gene: ImtiyazSitla_17 Start: 14246, Stop: 15046, Start Num: 22

Candidate Starts for ImtiyazSitla_17:

(Start: 22 @14246 has 249 MA's), (40, 14309), (52, 14366), (53, 14375), (54, 14378), (68, 14474), (74, 14510), (96, 14627), (119, 14759), (122, 14774), (127, 14795), (130, 14825), (148, 14894), (157, 14945), (162, 14966), (171, 15020), (172, 15023),

Gene: Imvubu_15 Start: 13940, Stop: 14740, Start Num: 24

Candidate Starts for Imvubu_15:

(Start: 24 @13940 has 40 MA's), (40, 14006), (42, 14012), (50, 14051), (54, 14075), (61, 14126), (71, 14186), (72, 14198), (73, 14201), (74, 14207), (91, 14300), (119, 14456), (140, 14549), (145, 14567), (148, 14591), (157, 14636), (162, 14657), (173, 14729),

Gene: Inchworm_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Inchworm_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: Indlovu_18 Start: 16278, Stop: 17087, Start Num: 24

Candidate Starts for Indlovu_18:

(Start: 24 @16278 has 40 MA's), (40, 16344), (54, 16413), (61, 16464), (72, 16536), (73, 16539), (74, 16545), (81, 16587), (89, 16632), (100, 16683), (114, 16764), (119, 16794), (140, 16896), (148, 16938), (157, 16983),

Gene: Inspectinfecti_25 Start: 19217, Stop: 19903, Start Num: 21

Candidate Starts for Inspectinfecti_25:

(Start: 21 @19217 has 167 MA's), (35, 19256), (40, 19286), (52, 19343), (74, 19487), (82, 19532), (92, 19586), (102, 19619), (132, 19775), (150, 19853), (152, 19859),

Gene: Inverness_18 Start: 14707, Stop: 15507, Start Num: 22

Candidate Starts for Inverness_18:

(Start: 22 @14707 has 249 MA's), (40, 14770), (52, 14827), (53, 14836), (54, 14839), (68, 14935), (74, 14971), (96, 15088), (119, 15220), (122, 15235), (127, 15256), (130, 15286), (148, 15355), (157, 15406), (162, 15427), (171, 15481), (172, 15484),

Gene: Iridoclysis_18 Start: 14679, Stop: 15479, Start Num: 22

Candidate Starts for Iridoclysis_18:

(Start: 22 @14679 has 249 MA's), (40, 14742), (52, 14799), (53, 14808), (54, 14811), (68, 14907), (74, 14943), (96, 15060), (119, 15192), (122, 15207), (127, 15228), (130, 15258), (148, 15327), (157, 15378), (162, 15399), (171, 15453), (172, 15456),

Gene: IsaacEli_18 Start: 14711, Stop: 15511, Start Num: 22

Candidate Starts for IsaacEli_18:

(Start: 22 @14711 has 249 MA's), (40, 14774), (52, 14831), (53, 14840), (54, 14843), (68, 14939), (74, 14975), (96, 15092), (119, 15224), (122, 15239), (127, 15260), (130, 15290), (148, 15359), (157, 15410), (162, 15431), (171, 15485), (172, 15488),

Gene: JAMaL_18 Start: 16621, Stop: 17427, Start Num: 24

Candidate Starts for JAMaL_18:

(Start: 24 @16621 has 40 MA's), (40, 16684), (53, 16750), (54, 16753), (57, 16771), (71, 16864), (74, 16885), (78, 16906), (102, 17041), (119, 17134), (130, 17200), (142, 17233), (143, 17236), (148, 17269), (157, 17320), (162, 17341), (172, 17398),

Gene: JDog_17 Start: 14414, Stop: 15214, Start Num: 22

Candidate Starts for JDog_17:

(Start: 22 @14414 has 249 MA's), (40, 14477), (52, 14534), (53, 14543), (54, 14546), (68, 14642), (74, 14678), (96, 14795), (119, 14927), (122, 14942), (127, 14963), (130, 14993), (148, 15062), (157, 15113), (162, 15134), (171, 15188), (172, 15191),

Gene: JKSyngboy_22 Start: 18691, Stop: 19386, Start Num: 21

Candidate Starts for JKSyngboy_22:

(Start: 21 @18691 has 167 MA's), (35, 18730), (64, 18892), (92, 19063), (94, 19075), (131, 19249), (156, 19366), (160, 19381),

Gene: Jabberwocky_21 Start: 18506, Stop: 19201, Start Num: 21

Candidate Starts for Jabberwocky_21:

(Start: 21 @18506 has 167 MA's), (29, 18515), (35, 18545), (52, 18632), (64, 18707), (71, 18755), (82, 18821), (92, 18878), (94, 18890), (102, 18911), (131, 19064), (156, 19181), (160, 19196),

Gene: JacAttac_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for JacAttac_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157,

15389), (162, 15410), (171, 15464), (172, 15467),

Gene: JaguarMi_19 Start: 16267, Stop: 17073, Start Num: 24

Candidate Starts for JaguarMi_19:

(Start: 24 @16267 has 40 MA's), (40, 16330), (54, 16399), (57, 16417), (71, 16510), (74, 16531), (78, 16552), (102, 16687), (119, 16780), (143, 16882), (148, 16915), (151, 16927), (152, 16930), (157, 16966),

Gene: JakeO_17 Start: 14414, Stop: 15214, Start Num: 22

Candidate Starts for JakeO_17:

(Start: 22 @14414 has 249 MA's), (40, 14477), (52, 14534), (53, 14543), (54, 14546), (68, 14642), (74, 14678), (96, 14795), (119, 14927), (122, 14942), (127, 14963), (130, 14993), (148, 15062), (157, 15113), (162, 15134), (171, 15188), (172, 15191),

Gene: Jambalaya_22 Start: 14935, Stop: 15621, Start Num: 21

Candidate Starts for Jambalaya_22:

(Start: 21 @14935 has 167 MA's), (48, 15034), (74, 15205), (75, 15208), (97, 15328), (147, 15556), (148, 15559),

Gene: JangoPhett_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for JangoPhett_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (162, 15411), (171, 15465), (172, 15468),

Gene: Jayden_31 Start: 17251, Stop: 17931, Start Num: 21

Candidate Starts for Jayden_31:

(Start: 21 @17251 has 167 MA's), (41, 17323), (44, 17338), (50, 17362), (64, 17449), (71, 17497), (81, 17557), (113, 17698), (122, 17746), (130, 17800), (148, 17860),

Gene: Jefe_30 Start: 17252, Stop: 17932, Start Num: 21

Candidate Starts for Jefe_30:

(Start: 21 @17252 has 167 MA's), (44, 17339), (50, 17363), (61, 17438), (64, 17450), (71, 17498), (81, 17558), (109, 17687), (113, 17699), (122, 17747), (130, 17801), (148, 17861),

Gene: Jehoshaphat_30 Start: 17965, Stop: 18912, Start Num: 21

Candidate Starts for Jehoshaphat_30:

(Start: 21 @17965 has 167 MA's), (32, 17989), (41, 18037), (51, 18085), (131, 18535), (157, 18652), (175, 18757), (182, 18832),

Gene: Jillium_17 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Jillium_17:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: Jiminy_17 Start: 14254, Stop: 15054, Start Num: 22

Candidate Starts for Jiminy_17:

(Start: 22 @14254 has 249 MA's), (40, 14317), (52, 14374), (53, 14383), (54, 14386), (68, 14482), (74, 14518), (96, 14635), (119, 14767), (122, 14782), (127, 14803), (130, 14833), (148, 14902), (157, 14953), (171, 15028), (172, 15031),

Gene: Jiraiya_18 Start: 14414, Stop: 15214, Start Num: 22

Candidate Starts for Jiraiya_18:

(Start: 22 @14414 has 249 MA's), (40, 14477), (52, 14534), (53, 14543), (54, 14546), (68, 14642), (74, 14678), (96, 14795), (119, 14927), (122, 14942), (127, 14963), (130, 14993), (148, 15062), (157, 15113), (162, 15134), (171, 15188), (172, 15191),

Gene: Jolie1_016 Start: 14954, Stop: 15760, Start Num: 24

Candidate Starts for Jolie1_016:

(Start: 24 @14954 has 40 MA's), (53, 15083), (54, 15086), (56, 15098), (71, 15197), (73, 15212), (74, 15218), (96, 15341), (127, 15509), (129, 15524), (130, 15539), (157, 15659),

Gene: Jollipop_30 Start: 17597, Stop: 18277, Start Num: 21

Candidate Starts for Jollipop_30:

(Start: 21 @17597 has 167 MA's), (44, 17684), (50, 17708), (61, 17783), (64, 17795), (71, 17843), (81, 17903), (109, 18032), (113, 18044), (122, 18092), (130, 18146), (148, 18206),

Gene: Judebell_30 Start: 17473, Stop: 18420, Start Num: 21

Candidate Starts for Judebell_30:

(Start: 21 @17473 has 167 MA's), (32, 17497), (41, 17545), (51, 17593), (130, 18040), (131, 18043), (157, 18160), (175, 18265), (182, 18340),

Gene: KLucky39_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for KLucky39_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Kahve_17 Start: 14421, Stop: 15221, Start Num: 22

Candidate Starts for Kahve_17:

(Start: 22 @14421 has 249 MA's), (40, 14484), (52, 14541), (53, 14550), (54, 14553), (68, 14649), (74, 14685), (96, 14802), (119, 14934), (122, 14949), (127, 14970), (130, 15000), (148, 15069), (157, 15120), (162, 15141), (171, 15195), (172, 15198),

Gene: KaiHaiDragon_30 Start: 17191, Stop: 17871, Start Num: 21

Candidate Starts for KaiHaiDragon_30:

(Start: 21 @17191 has 167 MA's), (44, 17278), (50, 17302), (61, 17377), (64, 17389), (71, 17437), (81, 17497), (109, 17626), (113, 17638), (122, 17686), (130, 17740), (148, 17800),

Gene: Kailash_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Kailash_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Kamashten_24 Start: 19151, Stop: 19846, Start Num: 21

Candidate Starts for Kamashten_24:

(Start: 21 @19151 has 167 MA's), (29, 19160), (35, 19190), (52, 19277), (64, 19352), (92, 19523), (94, 19535), (102, 19556), (131, 19709), (156, 19826),

Gene: Katniss_18 Start: 14718, Stop: 15518, Start Num: 22

Candidate Starts for Katniss_18:

(Start: 22 @14718 has 249 MA's), (40, 14781), (52, 14838), (53, 14847), (54, 14850), (68, 14946), (74, 14982), (96, 15099), (119, 15231), (122, 15246), (127, 15267), (130, 15297), (148, 15366), (157, 15417), (162, 15438), (171, 15492), (172, 15495),

Gene: KayaCho_16 Start: 14971, Stop: 15777, Start Num: 24

Candidate Starts for KayaCho_16:

(15, 14944), (19, 14962), (Start: 24 @14971 has 40 MA's), (53, 15100), (54, 15103), (56, 15115), (71, 15214), (73, 15229), (74, 15235), (96, 15358), (127, 15526), (129, 15541), (157, 15676),

Gene: Keitabear_25 Start: 20691, Stop: 21386, Start Num: 21

Candidate Starts for Keitabear_25:

(Start: 21 @20691 has 167 MA's), (29, 20700), (35, 20730), (52, 20817), (64, 20892), (82, 21006), (92, 21063), (94, 21075), (102, 21096), (131, 21249), (156, 21366),

Gene: Keitherie_18 Start: 14719, Stop: 15519, Start Num: 22

Candidate Starts for Keitherie_18:

(Start: 22 @14719 has 249 MA's), (40, 14782), (52, 14839), (53, 14848), (54, 14851), (68, 14947), (74, 14983), (96, 15100), (119, 15232), (122, 15247), (127, 15268), (130, 15298), (148, 15367), (157, 15418), (171, 15493), (172, 15496),

Gene: Kelcole_26 Start: 16133, Stop: 17074, Start Num: 21

Candidate Starts for Kelcole_26:

(Start: 21 @16133 has 167 MA's), (36, 16178), (86, 16472), (122, 16643), (130, 16697), (131, 16700), (152, 16778), (165, 16847), (166, 16853), (167, 16868), (183, 17012),

Gene: Kewpiedoll_24 Start: 18532, Stop: 19227, Start Num: 21

Candidate Starts for Kewpiedoll_24:

(Start: 21 @18532 has 167 MA's), (29, 18541), (35, 18571), (52, 18658), (64, 18733), (82, 18847), (92, 18904), (94, 18916), (102, 18937), (131, 19090), (156, 19207), (160, 19222),

Gene: Kikipoo_18 Start: 14711, Stop: 15511, Start Num: 22

Candidate Starts for Kikipoo_18:

(Start: 22 @14711 has 249 MA's), (40, 14774), (52, 14831), (53, 14840), (54, 14843), (68, 14939), (74, 14975), (96, 15092), (119, 15224), (122, 15239), (127, 15260), (130, 15290), (148, 15359), (157, 15410), (162, 15431), (171, 15485), (172, 15488),

Gene: Kimbrough_18 Start: 14409, Stop: 15209, Start Num: 22

Candidate Starts for Kimbrough_18:

(Start: 22 @14409 has 249 MA's), (40, 14472), (52, 14529), (53, 14538), (54, 14541), (68, 14637), (74, 14673), (96, 14790), (119, 14922), (122, 14937), (127, 14958), (130, 14988), (148, 15057), (157, 15108), (162, 15129), (171, 15183), (172, 15186),

Gene: KimmyK_24 Start: 15824, Stop: 16510, Start Num: 21

Candidate Starts for KimmyK_24:

(Start: 21 @15824 has 167 MA's), (48, 15923), (74, 16094), (75, 16097), (97, 16217), (147, 16445), (148, 16448),

Gene: KingTut_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for KingTut_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: KingVeVeVe_18 Start: 14688, Stop: 15488, Start Num: 22

Candidate Starts for KingVeVeVe_18:

(Start: 22 @14688 has 249 MA's), (40, 14751), (52, 14808), (53, 14817), (54, 14820), (68, 14916), (74, 14952), (96, 15069), (119, 15201), (122, 15216), (127, 15237), (130, 15267), (148, 15336), (157, 15387), (162, 15408), (171, 15462), (172, 15465),

Gene: KlimbOn_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for KlimbOn_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Kloppinator_18 Start: 14715, Stop: 15515, Start Num: 22

Candidate Starts for Kloppinator_18:

(Start: 22 @14715 has 249 MA's), (40, 14778), (52, 14835), (53, 14844), (54, 14847), (68, 14943), (74, 14979), (96, 15096), (119, 15228), (122, 15243), (127, 15264), (130, 15294), (148, 15363), (157, 15414), (162, 15435), (171, 15489), (172, 15492),

Gene: Knocker_22 Start: 18789, Stop: 19589, Start Num: 24

Candidate Starts for Knocker_22:

(Start: 24 @18789 has 40 MA's), (40, 18855), (52, 18912), (54, 18924), (61, 18975), (71, 19035), (72, 19047), (74, 19056), (81, 19098), (91, 19149), (92, 19155), (114, 19275), (130, 19371), (140, 19398), (145, 19416), (148, 19440), (157, 19485),

Gene: Kowalski_29 Start: 17307, Stop: 17987, Start Num: 21

Candidate Starts for Kowalski_29:

(Start: 21 @17307 has 167 MA's), (44, 17394), (50, 17418), (61, 17493), (64, 17505), (71, 17553), (81, 17613), (109, 17742), (113, 17754), (122, 17802), (130, 17856), (148, 17916),

Gene: Kozie_26 Start: 16975, Stop: 17667, Start Num: 21

Candidate Starts for Kozie_26:

(17, 16963), (Start: 21 @16975 has 167 MA's), (36, 17020), (50, 17086), (58, 17134), (61, 17161), (64, 17173), (66, 17200), (81, 17284), (106, 17398), (113, 17425), (131, 17530), (148, 17596),

Gene: Kroos_24 Start: 18774, Stop: 19469, Start Num: 21

Candidate Starts for Kroos_24:

(Start: 21 @18774 has 167 MA's), (35, 18813), (64, 18975), (92, 19146), (94, 19158), (131, 19332), (156, 19449), (160, 19464),

Gene: Kwadwo_17 Start: 14400, Stop: 15200, Start Num: 22

Candidate Starts for Kwadwo_17:

(Start: 22 @14400 has 249 MA's), (40, 14463), (52, 14520), (53, 14529), (54, 14532), (68, 14628), (74, 14664), (96, 14781), (119, 14913), (122, 14928), (127, 14949), (130, 14979), (148, 15048), (157, 15099), (162, 15120), (171, 15174), (172, 15177),

Gene: Kwekel_23 Start: 17125, Stop: 17814, Start Num: 20

Candidate Starts for Kwekel_23:

(Start: 20 @17125 has 15 MA's), (29, 17134), (32, 17149), (35, 17164), (48, 17224), (50, 17239), (52, 17251), (92, 17494), (94, 17506), (116, 17590), (130, 17677), (138, 17704), (142, 17716), (150, 17761),

Gene: Kwksand96_17 Start: 14264, Stop: 15064, Start Num: 22

Candidate Starts for Kwksand96_17:

(Start: 22 @14264 has 249 MA's), (40, 14327), (52, 14384), (53, 14393), (54, 14396), (68, 14492), (74, 14528), (96, 14645), (119, 14777), (122, 14792), (127, 14813), (130, 14843), (148, 14912), (157,

14963), (171, 15038), (172, 15041),

Gene: Kwobi_24 Start: 18757, Stop: 19452, Start Num: 21

Candidate Starts for Kwobi_24:

(7, 18697), (Start: 21 @18757 has 167 MA's), (35, 18796), (64, 18958), (92, 19129), (94, 19141), (156, 19432), (160, 19447),

Gene: Kyva_30 Start: 17718, Stop: 18641, Start Num: 32

Candidate Starts for Kyva_30:

(Start: 21 @17694 has 167 MA's), (32, 17718), (41, 17766), (51, 17814), (130, 18261), (131, 18264), (157, 18381), (175, 18486), (182, 18561),

Gene: Labeouficaum_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Labeouficaum_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: LasagnaCat_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for LasagnaCat_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Lasso_18 Start: 14678, Stop: 15478, Start Num: 22

Candidate Starts for Lasso_18:

(Start: 22 @14678 has 249 MA's), (40, 14741), (52, 14798), (53, 14807), (54, 14810), (68, 14906), (74, 14942), (96, 15059), (119, 15191), (122, 15206), (127, 15227), (130, 15257), (148, 15326), (157, 15377), (162, 15398), (171, 15452), (172, 15455),

Gene: LeeLot_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for LeeLot_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Lego3393_18 Start: 14715, Stop: 15515, Start Num: 22

Candidate Starts for Lego3393_18:

(Start: 22 @14715 has 249 MA's), (40, 14778), (52, 14835), (53, 14844), (54, 14847), (68, 14943), (74, 14979), (96, 15096), (119, 15228), (122, 15243), (127, 15264), (130, 15294), (148, 15363), (157, 15414), (162, 15435), (171, 15489), (172, 15492),

Gene: Legolas_17 Start: 14416, Stop: 15216, Start Num: 22

Candidate Starts for Legolas_17:

(Start: 22 @14416 has 249 MA's), (40, 14479), (52, 14536), (53, 14545), (54, 14548), (68, 14644), (74, 14680), (96, 14797), (119, 14929), (122, 14944), (127, 14965), (130, 14995), (148, 15064), (157, 15115), (162, 15136), (171, 15190), (172, 15193),

Gene: LeiMonet_18 Start: 14408, Stop: 15208, Start Num: 22

Candidate Starts for LeiMonet_18:

(Start: 22 @14408 has 249 MA's), (40, 14471), (52, 14528), (53, 14537), (54, 14540), (68, 14636), (74, 14672), (96, 14789), (119, 14921), (122, 14936), (127, 14957), (130, 14987), (148, 15056), (157, 15107), (162, 15128), (171, 15182), (172, 15185),

Gene: LemonSlice_18 Start: 14410, Stop: 15210, Start Num: 22

Candidate Starts for LemonSlice_18:

(Start: 22 @14410 has 249 MA's), (40, 14473), (52, 14530), (53, 14539), (54, 14542), (68, 14638), (74, 14674), (96, 14791), (119, 14923), (122, 14938), (127, 14959), (130, 14989), (148, 15058), (157, 15109), (162, 15130), (171, 15184), (172, 15187),

Gene: Lennon_25 Start: 19794, Stop: 20489, Start Num: 21

Candidate Starts for Lennon_25:

(Start: 21 @19794 has 167 MA's), (29, 19803), (35, 19833), (52, 19920), (64, 19995), (71, 20043), (92, 20166), (94, 20178), (102, 20199), (131, 20352), (156, 20469),

Gene: Leonard_24 Start: 18794, Stop: 19480, Start Num: 21

Candidate Starts for Leonard_24:

(Start: 21 @18794 has 167 MA's), (35, 18833), (40, 18863), (52, 18920), (74, 19064), (82, 19109), (92, 19163), (102, 19196), (132, 19352), (150, 19430), (152, 19436),

Gene: Ligma_18 Start: 14690, Stop: 15502, Start Num: 25

Candidate Starts for Ligma_18:

(Start: 25 @14690 has 8 MA's), (32, 14708), (48, 14783), (52, 14810), (54, 14822), (60, 14867), (74, 14954), (78, 14975), (119, 15200), (125, 15230), (127, 15236), (148, 15338), (162, 15410), (172, 15467),

Gene: LilHam_21 Start: 17354, Stop: 18049, Start Num: 21

Candidate Starts for LilHam_21:

(Start: 21 @17354 has 167 MA's), (35, 17393), (64, 17555), (92, 17726), (94, 17738), (131, 17912), (156, 18029), (160, 18044),

Gene: LilMcDreamy_18 Start: 16876, Stop: 17679, Start Num: 24

Candidate Starts for LilMcDreamy_18:

(Start: 24 @16876 has 40 MA's), (38, 16924), (50, 16984), (53, 17005), (54, 17008), (71, 17119), (74, 17140), (99, 17278), (102, 17299), (127, 17428), (130, 17458), (140, 17485), (148, 17527),

Gene: Lilbeanie_21 Start: 14165, Stop: 14857, Start Num: 21

Candidate Starts for Lilbeanie_21:

(Start: 21 @14165 has 167 MA's), (35, 14204), (48, 14267), (50, 14282), (84, 14495), (92, 14537), (147, 14792), (152, 14810),

Gene: LittleFortune_31 Start: 17557, Stop: 18237, Start Num: 21

Candidate Starts for LittleFortune_31:

(Start: 21 @17557 has 167 MA's), (44, 17644), (50, 17668), (61, 17743), (64, 17755), (71, 17803), (81, 17863), (109, 17992), (113, 18004), (122, 18052), (130, 18106), (148, 18166),

Gene: LittleMunchkin_19 Start: 16116, Stop: 16928, Start Num: 25

Candidate Starts for LittleMunchkin_19:

(Start: 25 @16116 has 8 MA's), (32, 16134), (48, 16209), (50, 16224), (53, 16245), (54, 16248), (74, 16380), (78, 16401), (80, 16419), (82, 16425), (127, 16662), (148, 16764), (152, 16779), (162, 16836), (172, 16893), (176, 16917),

Gene: Llemily_28 Start: 16741, Stop: 17688, Start Num: 21

Candidate Starts for Llemily_28:

(Start: 21 @16741 has 167 MA's), (32, 16765), (41, 16813), (51, 16861), (131, 17311), (157, 17428), (175, 17533), (182, 17608),

Gene: Lolalove_18 Start: 16434, Stop: 17240, Start Num: 24

Candidate Starts for Lolalove_18:

(Start: 24 @16434 has 40 MA's), (40, 16497), (53, 16563), (54, 16566), (57, 16584), (71, 16677), (74, 16698), (78, 16719), (100, 16836), (102, 16854), (119, 16947), (143, 17049), (148, 17082), (151, 17094), (152, 17097), (157, 17133),

Gene: Lonelysoil_27 Start: 16986, Stop: 17933, Start Num: 21

Candidate Starts for Lonelysoil_27:

(Start: 21 @16986 has 167 MA's), (32, 17010), (41, 17058), (51, 17106), (131, 17556), (157, 17673), (175, 17778), (182, 17853),

Gene: Longacauda_17 Start: 14402, Stop: 15202, Start Num: 22

Candidate Starts for Longacauda_17:

(Start: 22 @14402 has 249 MA's), (40, 14465), (52, 14522), (53, 14531), (54, 14534), (68, 14630), (74, 14666), (96, 14783), (119, 14915), (122, 14930), (127, 14951), (130, 14981), (148, 15050), (157, 15101), (162, 15122), (171, 15176), (172, 15179),

Gene: Lopsy_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Lopsy_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: LostAndPhound_17 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for LostAndPhound_17:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: Love_25 Start: 18669, Stop: 19364, Start Num: 21

Candidate Starts for Love_25:

(Start: 21 @18669 has 167 MA's), (29, 18678), (35, 18708), (52, 18795), (64, 18870), (82, 18984), (92, 19041), (94, 19053), (102, 19074), (131, 19227), (156, 19344), (160, 19359),

Gene: LuckyMarjie_17 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for LuckyMarjie_17:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Lulumae_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Lulumae_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: Lulwa_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Lulwa_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: Lumine_17 Start: 14394, Stop: 15194, Start Num: 22

Candidate Starts for Lumine_17:

(Start: 22 @14394 has 249 MA's), (40, 14457), (52, 14514), (53, 14523), (54, 14526), (68, 14622), (74, 14658), (96, 14775), (119, 14907), (122, 14922), (127, 14943), (130, 14973), (148, 15042), (157, 15093), (162, 15114), (171, 15168), (172, 15171),

Gene: MRabcd_17 Start: 14403, Stop: 15203, Start Num: 22

Candidate Starts for MRabcd_17:

(Start: 22 @14403 has 249 MA's), (40, 14466), (52, 14523), (53, 14532), (54, 14535), (68, 14631), (74, 14667), (96, 14784), (119, 14916), (122, 14931), (127, 14952), (130, 14982), (148, 15051), (157, 15102), (162, 15123), (171, 15177), (172, 15180),

Gene: Mag7_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Mag7_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Magic8_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Magic8_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: Magpie_18 Start: 16625, Stop: 17431, Start Num: 24

Candidate Starts for Magpie_18:

(Start: 24 @16625 has 40 MA's), (40, 16688), (53, 16754), (54, 16757), (57, 16775), (71, 16868), (74, 16889), (78, 16910), (100, 17027), (102, 17045), (119, 17138), (143, 17240), (148, 17273), (151, 17285), (152, 17288), (157, 17324),

Gene: Maih_16 Start: 16945, Stop: 17643, Start Num: 26

Candidate Starts for Maih_16:

(Start: 26 @16945 has 10 MA's), (34, 16975), (38, 16993), (48, 17035), (49, 17047), (52, 17062), (54, 17074), (71, 17185), (74, 17206), (82, 17251), (95, 17317), (106, 17362), (123, 17437), (130, 17485), (131, 17488), (138, 17518), (142, 17530), (148, 17566), (161, 17632),

Gene: MakoManhole_20 Start: 16106, Stop: 16915, Start Num: 24

Candidate Starts for MakoManhole_20:

(Start: 24 @16106 has 40 MA's), (32, 16124), (48, 16199), (54, 16238), (60, 16283), (74, 16370), (78, 16391), (80, 16409), (82, 16415), (89, 16457), (127, 16652), (148, 16754), (162, 16826), (172, 16883),

Gene: Mana_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Mana_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Manad_17 Start: 14256, Stop: 15056, Start Num: 22

Candidate Starts for Manad_17:

(Start: 22 @14256 has 249 MA's), (40, 14319), (52, 14376), (53, 14385), (54, 14388), (68, 14484), (74, 14520), (96, 14637), (119, 14769), (122, 14784), (127, 14805), (130, 14835), (148, 14904), (157, 14955), (162, 14976), (171, 15030), (172, 15033),

Gene: Mao1_16 Start: 13724, Stop: 14527, Start Num: 27

Candidate Starts for Mao1_16:

(Start: 27 @13724 has 3 MA's), (31, 13736), (34, 13751), (36, 13760), (38, 13769), (54, 13853), (61, 13904), (78, 14006), (79, 14009), (83, 14036), (90, 14075), (92, 14084), (103, 14153), (116, 14216), (144, 14342), (152, 14396),

Gene: Marcie_32 Start: 16766, Stop: 17707, Start Num: 21

Candidate Starts for Marcie_32:

(Start: 21 @16766 has 167 MA's), (36, 16811), (86, 17105), (122, 17276), (130, 17330), (131, 17333), (139, 17351), (152, 17411), (165, 17480), (166, 17486), (167, 17501), (179, 17603), (183, 17645),

Gene: Mareelih_87 Start: 43849, Stop: 44493, Start Num: 21

Candidate Starts for Mareelih_87:

(Start: 21 @43849 has 167 MA's), (36, 43891), (50, 43960), (111, 44296), (118, 44320), (119, 44332), (120, 44335), (128, 44374),

Gene: Margaery_25 Start: 16606, Stop: 17301, Start Num: 21

Candidate Starts for Margaery_25:

(17, 16594), (Start: 21 @16606 has 167 MA's), (50, 16717), (54, 16741), (61, 16792), (64, 16804), (71, 16852), (76, 16888), (81, 16915), (106, 17029), (113, 17056), (130, 17158), (157, 17272),

Gene: Mariokart_18 Start: 14585, Stop: 15397, Start Num: 24

Candidate Starts for Mariokart_18:

(Start: 24 @14585 has 40 MA's), (32, 14603), (54, 14717), (61, 14768), (74, 14849), (78, 14870), (80, 14888), (115, 15068), (122, 15110), (125, 15125), (127, 15131), (144, 15203), (148, 15233), (162, 15305), (172, 15362),

Gene: Maru_17 Start: 14404, Stop: 15204, Start Num: 22

Candidate Starts for Maru_17:

(Start: 22 @14404 has 249 MA's), (40, 14467), (52, 14524), (53, 14533), (54, 14536), (68, 14632), (74, 14668), (96, 14785), (119, 14917), (122, 14932), (127, 14953), (130, 14983), (148, 15052), (157, 15103), (162, 15124), (171, 15178), (172, 15181),

Gene: Mashley_26 Start: 17257, Stop: 18204, Start Num: 21

Candidate Starts for Mashley_26:

(Start: 21 @17257 has 167 MA's), (32, 17281), (41, 17329), (51, 17377), (130, 17824), (131, 17827), (157, 17944), (175, 18049),

Gene: Mask_17 Start: 13725, Stop: 14528, Start Num: 27

Candidate Starts for Mask_17:

(Start: 27 @13725 has 3 MA's), (31, 13737), (34, 13752), (36, 13761), (38, 13770), (54, 13854), (61, 13905), (78, 14007), (79, 14010), (83, 14037), (90, 14076), (92, 14085), (103, 14154), (116, 14217), (144, 14343), (152, 14397),

Gene: Maskar_17 Start: 14246, Stop: 15046, Start Num: 22

Candidate Starts for Maskar_17:

(Start: 22 @14246 has 249 MA's), (40, 14309), (52, 14366), (53, 14375), (54, 14378), (68, 14474), (74, 14510), (96, 14627), (119, 14759), (122, 14774), (127, 14795), (130, 14825), (148, 14894), (157, 14945), (162, 14966), (171, 15020), (172, 15023),

Gene: Matalotodo_17 Start: 14694, Stop: 15494, Start Num: 22

Candidate Starts for Matalotodo_17:

(Start: 22 @14694 has 249 MA's), (40, 14757), (52, 14814), (53, 14823), (54, 14826), (68, 14922), (74, 14958), (96, 15075), (119, 15207), (122, 15222), (127, 15243), (130, 15273), (148, 15342), (157, 15393), (162, 15414), (171, 15468), (172, 15471),

Gene: Matzah_26 Start: 16640, Stop: 17332, Start Num: 21

Candidate Starts for Matzah_26:

(17, 16628), (Start: 21 @16640 has 167 MA's), (36, 16685), (50, 16751), (54, 16775), (61, 16826), (64, 16838), (71, 16886), (76, 16922), (81, 16949), (106, 17063), (113, 17090), (130, 17192), (131, 17195), (157, 17306),

Gene: McKinley_24 Start: 18700, Stop: 19395, Start Num: 21

Candidate Starts for McKinley_24:

(Start: 21 @18700 has 167 MA's), (29, 18709), (35, 18739), (52, 18826), (64, 18901), (82, 19015), (92, 19072), (94, 19084), (102, 19105), (131, 19258), (156, 19375), (160, 19390),

Gene: Mcshane_17 Start: 14400, Stop: 15200, Start Num: 22

Candidate Starts for Mcshane_17:

(Start: 22 @14400 has 249 MA's), (40, 14463), (52, 14520), (53, 14529), (54, 14532), (68, 14628), (74, 14664), (96, 14781), (119, 14913), (122, 14928), (127, 14949), (130, 14979), (148, 15048), (157, 15099), (162, 15120), (171, 15174), (172, 15177),

Gene: Mecca_17 Start: 14397, Stop: 15197, Start Num: 22

Candidate Starts for Mecca_17:

(Start: 22 @14397 has 249 MA's), (40, 14460), (52, 14517), (53, 14526), (54, 14529), (68, 14625), (74, 14661), (96, 14778), (119, 14910), (122, 14925), (127, 14946), (130, 14976), (148, 15045), (157, 15096), (162, 15117), (171, 15171), (172, 15174),

Gene: Megamind20_18 Start: 14419, Stop: 15219, Start Num: 22

Candidate Starts for Megamind20_18:

(Start: 22 @14419 has 249 MA's), (40, 14482), (52, 14539), (53, 14548), (54, 14551), (68, 14647), (74, 14683), (96, 14800), (119, 14932), (122, 14947), (127, 14968), (130, 14998), (148, 15067), (157, 15118), (162, 15139), (171, 15193), (172, 15196),

Gene: Megan_24 Start: 18489, Stop: 19178, Start Num: 21

Candidate Starts for Megan_24:

(Start: 21 @18489 has 167 MA's), (41, 18561), (45, 18579), (50, 18600), (61, 18675), (71, 18735), (81, 18795), (113, 18936), (122, 18984), (130, 19038), (148, 19110), (152, 19125),

Gene: Megatron_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Megatron_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: MelBins_25 Start: 18998, Stop: 19684, Start Num: 21

Candidate Starts for MelBins_25:

(Start: 21 @18998 has 167 MA's), (35, 19037), (52, 19124), (71, 19247), (82, 19313), (92, 19367), (102, 19400), (150, 19634), (152, 19640),

Gene: Melc17_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Melc17_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157,

15389), (162, 15410), (171, 15464), (172, 15467),

Gene: MellowYellow_24 Start: 15987, Stop: 16907, Start Num: 18

Candidate Starts for MellowYellow_24:

(Start: 18 @15987 has 8 MA's), (46, 16086), (48, 16092), (49, 16104), (52, 16119), (71, 16242), (78, 16284), (88, 16347), (109, 16443), (114, 16458), (124, 16509), (149, 16623), (150, 16629), (153, 16647), (155, 16665), (168, 16731), (181, 16827),

Gene: MelsMeow_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for MelsMeow_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (171, 15032), (172, 15035),

Gene: MementoMori_26 Start: 16362, Stop: 17060, Start Num: 21

Candidate Starts for MementoMori_26:

(17, 16350), (Start: 21 @16362 has 167 MA's), (50, 16473), (54, 16497), (61, 16548), (64, 16560), (71, 16608), (76, 16644), (81, 16671), (106, 16785), (113, 16812), (130, 16914), (157, 17028),

Gene: Mesh1_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Mesh1_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Metamorphoo_30 Start: 17104, Stop: 17784, Start Num: 21

Candidate Starts for Metamorphoo_30:

(Start: 21 @17104 has 167 MA's), (44, 17191), (60, 17284), (61, 17290), (64, 17302), (71, 17350), (81, 17410), (106, 17524), (122, 17599), (130, 17653), (148, 17713), (163, 17773),

Gene: MichaelPhcott_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for MichaelPhcott_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Mikota_18 Start: 14685, Stop: 15485, Start Num: 22

Candidate Starts for Mikota_18:

(Start: 22 @14685 has 249 MA's), (40, 14748), (52, 14805), (53, 14814), (54, 14817), (68, 14913), (74, 14949), (96, 15066), (119, 15198), (122, 15213), (127, 15234), (130, 15264), (148, 15333), (157, 15384), (162, 15405), (171, 15459), (172, 15462),

Gene: Mimi_90 Start: 50513, Stop: 51169, Start Num: 21

Candidate Starts for Mimi_90:

(Start: 21 @50513 has 167 MA's), (60, 50696), (74, 50783), (111, 50963), (119, 50999), (120, 51002),

Gene: MiniBoss_18 Start: 14687, Stop: 15487, Start Num: 22

Candidate Starts for MiniBoss_18:

(Start: 22 @14687 has 249 MA's), (40, 14750), (52, 14807), (53, 14816), (54, 14819), (68, 14915), (74, 14951), (96, 15068), (119, 15200), (122, 15215), (127, 15236), (130, 15266), (148, 15335), (157, 15386), (162, 15407), (171, 15461), (172, 15464),

Gene: Mischief19_24 Start: 26870, Stop: 27550, Start Num: 26

Candidate Starts for Mischief19_24:

(11, 26825), (12, 26831), (Start: 26 @26870 has 10 MA's), (36, 26909), (42, 26939), (52, 26990), (70, 27104), (73, 27128), (78, 27155), (85, 27200), (107, 27296), (126, 27377), (131, 27416), (136, 27422), (138, 27437), (142, 27449), (160, 27539),

Gene: MitKao_18 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for MitKao_18:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Mithril_18 Start: 16440, Stop: 17246, Start Num: 24

Candidate Starts for Mithril_18:

(Start: 24 @16440 has 40 MA's), (40, 16503), (53, 16569), (54, 16572), (57, 16590), (71, 16683), (74, 16704), (78, 16725), (100, 16842), (102, 16860), (119, 16953), (130, 17019), (143, 17055), (148, 17088), (151, 17100), (152, 17103), (157, 17139),

Gene: MoontowerMania_22 Start: 17714, Stop: 18409, Start Num: 21

Candidate Starts for MoontowerMania_22:

(Start: 21 @17714 has 167 MA's), (29, 17723), (35, 17753), (52, 17840), (64, 17915), (82, 18029), (92, 18086), (94, 18098), (102, 18119), (131, 18272), (156, 18389), (160, 18404),

Gene: Morgushi_18 Start: 14410, Stop: 15210, Start Num: 22

Candidate Starts for Morgushi_18:

(Start: 22 @14410 has 249 MA's), (40, 14473), (52, 14530), (53, 14539), (54, 14542), (68, 14638), (74, 14674), (96, 14791), (119, 14923), (122, 14938), (127, 14959), (130, 14989), (148, 15058), (157, 15109), (162, 15130), (171, 15184), (172, 15187),

Gene: Morty_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Morty_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Mosaic_17 Start: 14413, Stop: 15213, Start Num: 22

Candidate Starts for Mosaic_17:

(Start: 22 @14413 has 249 MA's), (40, 14476), (52, 14533), (53, 14542), (54, 14545), (68, 14641), (74, 14677), (96, 14794), (119, 14926), (122, 14941), (127, 14962), (130, 14992), (148, 15061), (157, 15112), (162, 15133), (171, 15187), (172, 15190),

Gene: MossRose_20 Start: 16085, Stop: 16894, Start Num: 24

Candidate Starts for MossRose_20:

(Start: 24 @16085 has 40 MA's), (32, 16103), (48, 16178), (54, 16217), (60, 16262), (74, 16349), (78, 16370), (80, 16388), (82, 16394), (89, 16436), (127, 16631), (148, 16733), (162, 16805), (172, 16862),

Gene: MrPhizzler_17 Start: 14411, Stop: 15211, Start Num: 22

Candidate Starts for MrPhizzler_17:

(Start: 22 @14411 has 249 MA's), (40, 14474), (52, 14531), (53, 14540), (54, 14543), (68, 14639), (74, 14675), (96, 14792), (119, 14924), (122, 14939), (127, 14960), (130, 14990), (148, 15059), (157, 15110), (162, 15131), (171, 15185), (172, 15188),

Gene: Mudslide_18 Start: 16685, Stop: 17491, Start Num: 24

Candidate Starts for Mudslide_18:

(Start: 24 @16685 has 40 MA's), (40, 16748), (53, 16814), (54, 16817), (57, 16835), (71, 16928), (74, 16949), (78, 16970), (92, 17048), (102, 17105), (119, 17198), (143, 17300), (148, 17333), (151, 17345), (152, 17348), (157, 17384),

Gene: Mulan_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Mulan_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Murdoc_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Murdoc_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Mutante_17 Start: 14409, Stop: 15209, Start Num: 22

Candidate Starts for Mutante_17:

(Start: 22 @14409 has 249 MA's), (40, 14472), (52, 14529), (53, 14538), (54, 14541), (68, 14637), (74, 14673), (96, 14790), (119, 14922), (122, 14937), (127, 14958), (130, 14988), (148, 15057), (157, 15108), (162, 15129), (171, 15183), (172, 15186),

Gene: Mutzi_24 Start: 15524, Stop: 16207, Start Num: 21

Candidate Starts for Mutzi_24:

(Start: 21 @15524 has 167 MA's), (75, 15797), (97, 15917), (130, 16073), (138, 16100), (147, 16145), (148, 16148), (152, 16163),

Gene: Mysterious_21 Start: 16746, Stop: 17582, Start Num: 13

Candidate Starts for Mysterious_21:

(Start: 13 @16746 has 8 MA's), (Start: 24 @16779 has 40 MA's), (50, 16887), (53, 16908), (54, 16911), (57, 16929), (61, 16962), (74, 17043), (92, 17142), (127, 17328), (130, 17358), (140, 17385), (148, 17427),

Gene: NHagos_18 Start: 14592, Stop: 15401, Start Num: 24

Candidate Starts for NHagos_18:

(Start: 24 @14592 has 40 MA's), (32, 14610), (48, 14685), (50, 14700), (53, 14721), (54, 14724), (60, 14769), (78, 14877), (80, 14895), (119, 15102), (127, 15138), (148, 15240), (162, 15312), (172, 15369),

Gene: Nacho_0018 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Nacho_0018:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Namago_28 Start: 16824, Stop: 17771, Start Num: 21

Candidate Starts for Namago_28:

(Start: 21 @16824 has 167 MA's), (32, 16848), (41, 16896), (51, 16944), (130, 17391), (131, 17394), (157, 17511), (175, 17616), (182, 17691),

Gene: Nanao_17 Start: 15372, Stop: 16178, Start Num: 24

Candidate Starts for Nanao_17:

(Start: 24 @15372 has 40 MA's), (40, 15435), (53, 15501), (54, 15504), (57, 15522), (71, 15615), (74, 15636), (78, 15657), (102, 15792), (119, 15885), (130, 15951), (142, 15984), (143, 15987), (148, 16020), (157, 16071), (162, 16092), (172, 16149),

Gene: Nangang_20 Start: 16468, Stop: 17304, Start Num: 13

Candidate Starts for Nangang_20:

(Start: 13 @16468 has 8 MA's), (Start: 24 @16501 has 40 MA's), (50, 16609), (53, 16630), (54, 16633), (57, 16651), (74, 16765), (121, 17023), (127, 17050), (140, 17107), (148, 17149),

Gene: Natkenzie_24 Start: 18964, Stop: 19614, Start Num: 35

Candidate Starts for Natkenzie_24:

(5, 18841), (7, 18868), (Start: 20 @18925 has 15 MA's), (35, 18964), (38, 18979), (50, 19039), (92, 19294), (150, 19561), (156, 19597),

Gene: Newman_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Newman_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Nicole21_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for Nicole21_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (162, 15411), (171, 15465), (172, 15468),

Gene: Nicole72_25 Start: 18875, Stop: 19567, Start Num: 21

Candidate Starts for Nicole72_25:

(Start: 21 @18875 has 167 MA's), (40, 18944), (50, 18986), (61, 19061), (68, 19106), (71, 19121), (81, 19181), (106, 19295), (118, 19340), (122, 19370), (130, 19424), (133, 19430), (148, 19499), (152, 19514),

Gene: Nigel_16 Start: 15288, Stop: 16094, Start Num: 25

Candidate Starts for Nigel_16:

(8, 15228), (Start: 25 @15288 has 8 MA's), (40, 15351), (53, 15417), (54, 15420), (57, 15438), (71, 15531), (74, 15552), (78, 15573), (102, 15708), (119, 15801), (143, 15903), (148, 15936), (151, 15948), (152, 15951), (157, 15987), (162, 16008),

Gene: Nike_28 Start: 17776, Stop: 18723, Start Num: 21

Candidate Starts for Nike_28:

(Start: 21 @17776 has 167 MA's), (32, 17800), (41, 17848), (51, 17896), (71, 18025), (130, 18343), (131, 18346), (157, 18463), (175, 18568),

Gene: NoodlelyBoi_30 Start: 17634, Stop: 18314, Start Num: 21

Candidate Starts for NoodlelyBoi_30:

(Start: 21 @17634 has 167 MA's), (44, 17721), (50, 17745), (61, 17820), (64, 17832), (71, 17880), (81, 17940), (113, 18081), (122, 18129), (130, 18183), (148, 18243),

Gene: Nordenberg_18 Start: 16979, Stop: 17674, Start Num: 21

Candidate Starts for Nordenberg_18:

(Start: 21 @16979 has 167 MA's), (29, 16988), (35, 17018), (52, 17105), (64, 17180), (82, 17294), (92, 17351), (94, 17363), (102, 17384), (131, 17537), (156, 17654), (160, 17669),

Gene: Nubi_22 Start: 15176, Stop: 15862, Start Num: 21

Candidate Starts for Nubi_22:

(Start: 21 @15176 has 167 MA's), (48, 15275), (74, 15446), (75, 15449), (97, 15569), (147, 15797), (148, 15800),

Gene: Numberten_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Numberten_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Nyala_17 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Nyala_17:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: OSmaximus_18 Start: 14709, Stop: 15509, Start Num: 22

Candidate Starts for OSmaximus_18:

(Start: 22 @14709 has 249 MA's), (40, 14772), (52, 14829), (53, 14838), (54, 14841), (68, 14937), (74, 14973), (96, 15090), (119, 15222), (122, 15237), (127, 15258), (130, 15288), (148, 15357), (157, 15408), (162, 15429), (171, 15483), (172, 15486),

Gene: Odyssey395_31 Start: 17447, Stop: 18367, Start Num: 18

Candidate Starts for Odyssey395_31:

(Start: 18 @17447 has 8 MA's), (46, 17546), (48, 17552), (49, 17564), (52, 17579), (71, 17702), (78, 17744), (88, 17807), (109, 17903), (114, 17918), (124, 17969), (149, 18083), (150, 18089), (153, 18107), (155, 18125), (168, 18191), (181, 18287),

Gene: Olak_17 Start: 14398, Stop: 15198, Start Num: 22

Candidate Starts for Olak_17:

(Start: 22 @14398 has 249 MA's), (40, 14461), (52, 14518), (53, 14527), (54, 14530), (68, 14626), (74, 14662), (96, 14779), (119, 14911), (122, 14926), (127, 14947), (130, 14977), (148, 15046), (157, 15097), (162, 15118), (171, 15172), (172, 15175),

Gene: Oline_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Oline_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Olive_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Olive_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: OliverWalter_18 Start: 14707, Stop: 15507, Start Num: 22

Candidate Starts for OliverWalter_18:

(Start: 22 @14707 has 249 MA's), (40, 14770), (52, 14827), (53, 14836), (54, 14839), (68, 14935), (74, 14971), (96, 15088), (119, 15220), (122, 15235), (127, 15256), (130, 15286), (148, 15355), (157, 15406), (162, 15427), (171, 15481), (172, 15484),

Gene: Omniscient_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Omniscient_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: OneinaGillian_27 Start: 15783, Stop: 16724, Start Num: 21

Candidate Starts for OneinaGillian_27:

(Start: 21 @15783 has 167 MA's), (36, 15828), (86, 16122), (122, 16293), (130, 16347), (131, 16350), (152, 16428), (165, 16497), (166, 16503), (167, 16518), (183, 16662),

Gene: Onika_29 Start: 17281, Stop: 17961, Start Num: 21

Candidate Starts for Onika_29:

(Start: 21 @17281 has 167 MA's), (44, 17368), (50, 17392), (61, 17467), (64, 17479), (71, 17527), (81, 17587), (109, 17716), (113, 17728), (122, 17776), (130, 17830), (148, 17890), (163, 17950),

Gene: Oosterbaan_18 Start: 14700, Stop: 15500, Start Num: 22

Candidate Starts for Oosterbaan_18:

(Start: 22 @14700 has 249 MA's), (40, 14763), (52, 14820), (53, 14829), (54, 14832), (68, 14928), (74, 14964), (96, 15081), (119, 15213), (122, 15228), (127, 15249), (130, 15279), (148, 15348), (157, 15399), (162, 15420), (171, 15474), (172, 15477),

Gene: Orfeu_17 Start: 14399, Stop: 15199, Start Num: 22

Candidate Starts for Orfeu_17:

(Start: 22 @14399 has 249 MA's), (40, 14462), (52, 14519), (53, 14528), (54, 14531), (68, 14627), (74, 14663), (96, 14780), (119, 14912), (122, 14927), (127, 14948), (130, 14978), (148, 15047), (157, 15098), (162, 15119), (171, 15173), (172, 15176),

Gene: Orion_18 Start: 14700, Stop: 15500, Start Num: 22

Candidate Starts for Orion_18:

(Start: 22 @14700 has 249 MA's), (40, 14763), (52, 14820), (53, 14829), (54, 14832), (68, 14928), (74, 14964), (96, 15081), (119, 15213), (122, 15228), (127, 15249), (130, 15279), (148, 15348), (157, 15399), (162, 15420), (171, 15474), (172, 15477),

Gene: Orwigg_18 Start: 14392, Stop: 15192, Start Num: 22

Candidate Starts for Orwigg_18:

(Start: 22 @14392 has 249 MA's), (40, 14455), (52, 14512), (53, 14521), (54, 14524), (68, 14620), (74, 14656), (96, 14773), (119, 14905), (122, 14920), (127, 14941), (130, 14971), (148, 15040), (157, 15091), (162, 15112), (171, 15166), (172, 15169),

Gene: PG1_18 Start: 14712, Stop: 15512, Start Num: 22

Candidate Starts for PG1_18:

(Start: 22 @14712 has 249 MA's), (40, 14775), (52, 14832), (53, 14841), (54, 14844), (68, 14940), (74, 14976), (96, 15093), (119, 15225), (122, 15240), (127, 15261), (130, 15291), (148, 15360), (157, 15411), (162, 15432), (171, 15486), (172, 15489),

Gene: Pacifista_19 Start: 14403, Stop: 15203, Start Num: 22

Candidate Starts for Pacifista_19:

(Start: 22 @14403 has 249 MA's), (40, 14466), (52, 14523), (53, 14532), (54, 14535), (68, 14631), (74, 14667), (96, 14784), (119, 14916), (122, 14931), (127, 14952), (130, 14982), (148, 15051), (157, 15102), (162, 15123), (171, 15177), (172, 15180),

Gene: Paries_24 Start: 18356, Stop: 19051, Start Num: 21

Candidate Starts for Paries_24:

(Start: 21 @18356 has 167 MA's), (29, 18365), (35, 18395), (52, 18482), (64, 18557), (82, 18671), (92, 18728), (94, 18740), (102, 18761), (131, 18914), (156, 19031), (160, 19046),

Gene: Paschalis_29 Start: 17295, Stop: 17975, Start Num: 21

Candidate Starts for Paschalis_29:

(Start: 21 @17295 has 167 MA's), (44, 17382), (50, 17406), (61, 17481), (64, 17493), (71, 17541), (81, 17601), (109, 17730), (113, 17742), (122, 17790), (130, 17844), (148, 17904),

Gene: Patbob_84 Start: 51385, Stop: 52041, Start Num: 21

Candidate Starts for Patbob_84:

(Start: 21 @51385 has 167 MA's), (60, 51568), (74, 51655), (111, 51835), (119, 51871), (120, 51874),

Gene: PenguinLover67_21 Start: 17669, Stop: 18469, Start Num: 24

Candidate Starts for PenguinLover67_21:

(Start: 24 @17669 has 40 MA's), (40, 17735), (47, 17762), (54, 17804), (72, 17927), (73, 17930), (74, 17936), (81, 17978), (102, 18092), (114, 18155), (119, 18185), (130, 18251), (140, 18278), (142, 18284), (148, 18320), (157, 18365), (172, 18443),

Gene: Pepe25_26 Start: 16117, Stop: 17058, Start Num: 21

Candidate Starts for Pepe25_26:

(Start: 21 @16117 has 167 MA's), (36, 16162), (48, 16216), (86, 16456), (131, 16684), (152, 16762), (157, 16798), (167, 16852), (183, 16996),

Gene: Phabia_28 Start: 17159, Stop: 18106, Start Num: 21

Candidate Starts for Phabia_28:

(Start: 21 @17159 has 167 MA's), (32, 17183), (41, 17231), (51, 17279), (131, 17729), (157, 17846), (175, 17951), (182, 18026),

Gene: Phamished_18 Start: 14705, Stop: 15505, Start Num: 22

Candidate Starts for Phamished_18:

(Start: 22 @14705 has 249 MA's), (40, 14768), (52, 14825), (53, 14834), (54, 14837), (68, 14933), (74, 14969), (96, 15086), (119, 15218), (122, 15233), (127, 15254), (130, 15284), (148, 15353), (157, 15404), (162, 15425), (171, 15479), (172, 15482),

Gene: Phareon_18 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Phareon_18:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (172, 15183),

Gene: PhatCats2014_18 Start: 14715, Stop: 15515, Start Num: 22

Candidate Starts for PhatCats2014_18:

(Start: 22 @14715 has 249 MA's), (40, 14778), (52, 14835), (53, 14844), (54, 14847), (68, 14943), (74, 14979), (96, 15096), (119, 15228), (122, 15243), (127, 15264), (130, 15294), (148, 15363), (157, 15414), (162, 15435), (171, 15489), (172, 15492),

Gene: PhatLouie_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for PhatLouie_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (171, 15473), (172, 15476),

Gene: Phauci_17 Start: 15379, Stop: 16065, Start Num: 21

Candidate Starts for Phauci_17:

(Start: 21 @15379 has 167 MA's), (35, 15418), (52, 15505), (71, 15628), (75, 15652), (82, 15694), (92, 15748), (102, 15781), (132, 15937), (150, 16015), (152, 16021),

Gene: Phelemich_20 Start: 16751, Stop: 17587, Start Num: 13

Candidate Starts for Phelemich_20:

(2, 16640), (Start: 13 @16751 has 8 MA's), (Start: 24 @16784 has 40 MA's), (50, 16892), (53, 16913), (54, 16916), (57, 16934), (61, 16967), (74, 17048), (92, 17147), (127, 17333), (130, 17363), (140, 17390), (148, 17432), (157, 17483),

Gene: Phendrix_76 Start: 39032, Stop: 39685, Start Num: 21

Candidate Starts for Phendrix_76:

(Start: 21 @39032 has 167 MA's), (50, 39146), (65, 39245), (77, 39320), (111, 39488), (117, 39509), (119, 39524), (120, 39527),

Gene: PhenghisKhan_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for PhenghisKhan_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Pherdinand_18 Start: 14703, Stop: 15503, Start Num: 22

Candidate Starts for Pherdinand_18:

(Start: 22 @14703 has 249 MA's), (40, 14766), (52, 14823), (53, 14832), (54, 14835), (68, 14931), (74, 14967), (96, 15084), (119, 15216), (122, 15231), (127, 15252), (130, 15282), (148, 15351), (157, 15402), (162, 15423), (171, 15477), (172, 15480),

Gene: Phergie_17 Start: 14252, Stop: 15052, Start Num: 22

Candidate Starts for Phergie_17:

(Start: 22 @14252 has 249 MA's), (40, 14315), (52, 14372), (53, 14381), (54, 14384), (68, 14480), (74, 14516), (96, 14633), (119, 14765), (122, 14780), (127, 14801), (130, 14831), (148, 14900), (157, 14951), (162, 14972), (171, 15026), (172, 15029),

Gene: Phinally_24 Start: 18791, Stop: 19477, Start Num: 21

Candidate Starts for Phinally_24:

(Start: 21 @18791 has 167 MA's), (35, 18830), (40, 18860), (52, 18917), (74, 19061), (82, 19106), (92, 19160), (102, 19193), (132, 19349), (150, 19427), (152, 19433),

Gene: Phinky_34 Start: 17968, Stop: 18915, Start Num: 21

Candidate Starts for Phinky_34:

(Start: 21 @17968 has 167 MA's), (32, 17992), (51, 18088), (92, 18340), (130, 18535), (131, 18538), (148, 18604), (157, 18655), (175, 18760), (183, 18853),

Gene: Phipps_18 Start: 14678, Stop: 15478, Start Num: 22

Candidate Starts for Phipps_18:

(Start: 22 @14678 has 249 MA's), (40, 14741), (52, 14798), (53, 14807), (54, 14810), (68, 14906), (74, 14942), (96, 15059), (119, 15191), (122, 15206), (127, 15227), (130, 15257), (148, 15326), (157, 15377), (162, 15398), (171, 15452), (172, 15455),

Gene: Phleuron_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Phleuron_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Phlop_22 Start: 15240, Stop: 15926, Start Num: 21

Candidate Starts for Phlop_22:

(Start: 21 @15240 has 167 MA's), (52, 15366), (75, 15513), (97, 15633), (130, 15789), (138, 15816), (147, 15861), (148, 15864),

Gene: Phorgeous_29 Start: 17148, Stop: 17828, Start Num: 21

Candidate Starts for Phorgeous_29:

(Start: 21 @17148 has 167 MA's), (44, 17235), (50, 17259), (61, 17334), (64, 17346), (71, 17394), (81, 17454), (109, 17583), (113, 17595), (122, 17643), (130, 17697), (148, 17757), (163, 17817),

Gene: Phrancesco_30 Start: 17426, Stop: 18106, Start Num: 21

Candidate Starts for Phrancesco_30:

(Start: 21 @17426 has 167 MA's), (44, 17513), (50, 17537), (61, 17612), (64, 17624), (71, 17672), (81, 17732), (109, 17861), (113, 17873), (122, 17921), (130, 17975), (148, 18035), (163, 18095),

Gene: PhrankReynolds_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for PhrankReynolds_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: PhrodoBaggins_17 Start: 14693, Stop: 15493, Start Num: 22

Candidate Starts for PhrodoBaggins_17:

(Start: 22 @14693 has 249 MA's), (40, 14756), (52, 14813), (53, 14822), (54, 14825), (68, 14921), (74, 14957), (96, 15074), (119, 15206), (122, 15221), (127, 15242), (130, 15272), (148, 15341), (157, 15392), (162, 15413), (171, 15467), (172, 15470),

Gene: Phunky_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Phunky_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: PierreOrion_30 Start: 17450, Stop: 18130, Start Num: 21

Candidate Starts for PierreOrion_30:

(Start: 21 @17450 has 167 MA's), (44, 17537), (50, 17561), (61, 17636), (64, 17648), (71, 17696), (81, 17756), (109, 17885), (113, 17897), (122, 17945), (130, 17999), (148, 18059),

Gene: Piglet_0017 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Piglet_0017:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Pine5_20 Start: 15594, Stop: 16400, Start Num: 23

Candidate Starts for Pine5_20:

(Start: 23 @15594 has 2 MA's), (50, 15702), (52, 15714), (53, 15723), (54, 15726), (71, 15837), (74, 15858),

Gene: PinheadLarry_18 Start: 14418, Stop: 15218, Start Num: 22

Candidate Starts for PinheadLarry_18:

(Start: 22 @14418 has 249 MA's), (40, 14481), (52, 14538), (53, 14547), (54, 14550), (68, 14646), (74, 14682), (96, 14799), (119, 14931), (122, 14946), (127, 14967), (130, 14997), (148, 15066), (157, 15117), (162, 15138), (171, 15192), (172, 15195),

Gene: PinkCoffee_24 Start: 15833, Stop: 16519, Start Num: 21

Candidate Starts for PinkCoffee_24:

(Start: 21 @15833 has 167 MA's), (48, 15932), (74, 16103), (75, 16106), (97, 16226), (147, 16454), (148, 16457),

Gene: Pinkman_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for Pinkman_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (171, 15032), (172, 15035),

Gene: PiperSansNom_30 Start: 17602, Stop: 18282, Start Num: 21

Candidate Starts for PiperSansNom_30:

(Start: 21 @17602 has 167 MA's), (44, 17689), (50, 17713), (61, 17788), (64, 17800), (71, 17848), (81, 17908), (109, 18037), (113, 18049), (122, 18097), (130, 18151), (148, 18211),

Gene: Piperis_30 Start: 17272, Stop: 17952, Start Num: 21

Candidate Starts for Piperis_30:

(Start: 21 @17272 has 167 MA's), (44, 17359), (50, 17383), (61, 17458), (64, 17470), (71, 17518), (81, 17578), (109, 17707), (113, 17719), (122, 17767), (130, 17821), (148, 17881),

Gene: Pipsqueak_18 Start: 14705, Stop: 15505, Start Num: 22

Candidate Starts for Pipsqueak_18:

(Start: 22 @14705 has 249 MA's), (40, 14768), (52, 14825), (53, 14834), (54, 14837), (68, 14933), (74, 14969), (96, 15086), (119, 15218), (122, 15233), (127, 15254), (130, 15284), (148, 15353), (157, 15404), (162, 15425), (171, 15479), (172, 15482),

Gene: Placalicious_17 Start: 14400, Stop: 15200, Start Num: 22

Candidate Starts for Placalicious_17:

(Start: 22 @14400 has 249 MA's), (40, 14463), (52, 14520), (53, 14529), (54, 14532), (68, 14628), (74, 14664), (96, 14781), (119, 14913), (122, 14928), (127, 14949), (130, 14979), (148, 15048), (157, 15099), (162, 15120), (171, 15174), (172, 15177),

Gene: Plmatters_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Plmatters_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Podrick_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Podrick_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: Pointis_29 Start: 17451, Stop: 18371, Start Num: 18

Candidate Starts for Pointis_29:

(Start: 18 @17451 has 8 MA's), (46, 17550), (48, 17556), (49, 17568), (52, 17583), (71, 17706), (78, 17748), (88, 17811), (109, 17907), (114, 17922), (124, 17973), (149, 18087), (150, 18093), (153, 18111), (155, 18129), (168, 18195), (181, 18291),

Gene: Pops_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Pops_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Portcullis_22 Start: 15183, Stop: 15869, Start Num: 21

Candidate Starts for Portcullis_22:

(Start: 21 @15183 has 167 MA's), (52, 15309), (75, 15456), (97, 15576), (130, 15732), (138, 15759), (147, 15804), (148, 15807),

Gene: Poster_17 Start: 15373, Stop: 16179, Start Num: 24

Candidate Starts for Poster_17:

(Start: 24 @15373 has 40 MA's), (40, 15436), (53, 15502), (54, 15505), (57, 15523), (71, 15616), (74, 15637), (78, 15658), (102, 15793), (119, 15886), (130, 15952), (142, 15985), (143, 15988), (148, 16021), (157, 16072), (162, 16093), (172, 16150),

Gene: Potter_17 Start: 14413, Stop: 15213, Start Num: 22

Candidate Starts for Potter_17:

(Start: 22 @14413 has 249 MA's), (40, 14476), (52, 14533), (53, 14542), (54, 14545), (68, 14641), (74, 14677), (96, 14794), (119, 14926), (122, 14941), (127, 14962), (130, 14992), (148, 15061), (157, 15112), (162, 15133), (171, 15187), (172, 15190),

Gene: Prickles_18 Start: 14693, Stop: 15493, Start Num: 22

Candidate Starts for Prickles_18:

(Start: 22 @14693 has 249 MA's), (40, 14756), (52, 14813), (53, 14822), (54, 14825), (68, 14921), (74, 14957), (96, 15074), (119, 15206), (122, 15221), (127, 15242), (130, 15272), (148, 15341), (157, 15392), (162, 15413), (171, 15467), (172, 15470),

Gene: Prince_19 Start: 16597, Stop: 17403, Start Num: 24

Candidate Starts for Prince_19:

(Start: 24 @16597 has 40 MA's), (40, 16660), (53, 16726), (54, 16729), (57, 16747), (71, 16840), (74, 16861), (78, 16882), (92, 16960), (102, 17017), (119, 17110), (143, 17212), (148, 17245), (151, 17257), (152, 17260), (157, 17296),

Gene: ProfessorX_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for ProfessorX_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (162, 15411), (171, 15465), (172, 15468),

Gene: Puhltonio_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Puhltonio_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Pulchra_31 Start: 17672, Stop: 18352, Start Num: 21

Candidate Starts for Pulchra_31:

(Start: 21 @17672 has 167 MA's), (44, 17759), (50, 17783), (61, 17858), (64, 17870), (71, 17918), (81, 17978), (109, 18107), (113, 18119), (122, 18167), (130, 18221), (148, 18281),

Gene: PullumCavea_22 Start: 15240, Stop: 15926, Start Num: 21

Candidate Starts for PullumCavea_22:

(Start: 21 @15240 has 167 MA's), (52, 15366), (75, 15513), (97, 15633), (130, 15789), (138, 15816), (147, 15861), (148, 15864),

Gene: Pureglobe5_31 Start: 17461, Stop: 18381, Start Num: 18

Candidate Starts for Pureglobe5_31:

(Start: 18 @17461 has 8 MA's), (46, 17560), (48, 17566), (49, 17578), (52, 17593), (71, 17716), (78, 17758), (88, 17821), (109, 17917), (114, 17932), (124, 17983), (149, 18097), (150, 18103), (153, 18121), (155, 18139), (168, 18205), (181, 18301),

Gene: Quammi_26 Start: 16730, Stop: 17677, Start Num: 21

Candidate Starts for Quammi_26:

(Start: 21 @16730 has 167 MA's), (32, 16754), (41, 16802), (51, 16850), (131, 17300), (157, 17417), (175, 17522), (182, 17597),

Gene: QueenBeane_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for QueenBeane_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Quesadilla_21 Start: 17756, Stop: 18556, Start Num: 24

Candidate Starts for Quesadilla_21:

(Start: 24 @17756 has 40 MA's), (40, 17822), (48, 17852), (54, 17891), (72, 18014), (73, 18017), (74, 18023), (81, 18065), (114, 18242), (119, 18272), (140, 18365), (148, 18407), (157, 18452), (172, 18530),

Gene: Quhwah_33 Start: 17898, Stop: 18578, Start Num: 21

Candidate Starts for Quhwah_33:

(Start: 21 @17898 has 167 MA's), (44, 17985), (50, 18009), (61, 18084), (64, 18096), (71, 18144), (81, 18204), (109, 18333), (113, 18345), (122, 18393), (130, 18447), (148, 18507),

Gene: Quisquilliae_18 Start: 14714, Stop: 15514, Start Num: 22

Candidate Starts for Quisquilliae_18:

(Start: 22 @14714 has 249 MA's), (40, 14777), (52, 14834), (53, 14843), (54, 14846), (68, 14942), (74, 14978), (96, 15095), (119, 15227), (122, 15242), (127, 15263), (130, 15293), (148, 15362), (157, 15413), (162, 15434), (171, 15488), (172, 15491),

Gene: Racecar_84 Start: 51166, Stop: 51822, Start Num: 21

Candidate Starts for Racecar_84:

(Start: 21 @51166 has 167 MA's), (60, 51349), (74, 51436), (111, 51616), (119, 51652), (120, 51655),

Gene: RainyPolka_17 Start: 17299, Stop: 17994, Start Num: 26

Candidate Starts for RainyPolka_17:

(Start: 26 @17299 has 10 MA's), (34, 17329), (38, 17347), (48, 17389), (49, 17401), (52, 17416), (54, 17428), (55, 17434), (62, 17482), (74, 17560), (81, 17602), (82, 17605), (95, 17671), (109, 17731), (120, 17776), (123, 17791), (138, 17872), (142, 17884), (148, 17920), (150, 17929),

Gene: Ramiel05_29 Start: 17307, Stop: 17987, Start Num: 21

Candidate Starts for Ramiel05_29:

(Start: 21 @17307 has 167 MA's), (44, 17394), (50, 17418), (61, 17493), (64, 17505), (71, 17553), (81, 17613), (109, 17742), (113, 17754), (122, 17802), (130, 17856), (148, 17916),

Gene: Ranunculus_23 Start: 16352, Stop: 17272, Start Num: 18

Candidate Starts for Ranunculus_23:

(Start: 18 @16352 has 8 MA's), (35, 16397), (39, 16421), (49, 16469), (52, 16484), (78, 16649), (124, 16874), (149, 16988), (150, 16994), (155, 17030), (168, 17096),

Gene: RawrgerThat_18 Start: 16434, Stop: 17240, Start Num: 24

Candidate Starts for RawrgerThat_18:

(Start: 24 @16434 has 40 MA's), (40, 16497), (53, 16563), (54, 16566), (57, 16584), (71, 16677), (74, 16698), (78, 16719), (92, 16797), (102, 16854), (119, 16947), (143, 17049), (148, 17082), (151, 17094), (152, 17097), (157, 17133),

Gene: RedMaple_17 Start: 14711, Stop: 15511, Start Num: 22

Candidate Starts for RedMaple_17:

(Start: 22 @14711 has 249 MA's), (40, 14774), (52, 14831), (53, 14840), (54, 14843), (68, 14939), (74, 14975), (96, 15092), (119, 15224), (122, 15239), (127, 15260), (130, 15290), (148, 15359), (157, 15410), (162, 15431), (171, 15485), (172, 15488),

Gene: Reprobate_20 Start: 16748, Stop: 17584, Start Num: 13

Candidate Starts for Reprobate_20:

(2, 16637), (Start: 13 @16748 has 8 MA's), (Start: 24 @16781 has 40 MA's), (50, 16889), (53, 16910), (54, 16913), (57, 16931), (61, 16964), (74, 17045), (92, 17144), (115, 17267), (127, 17330), (130, 17360), (140, 17387), (148, 17429),

Gene: Ribeye_24 Start: 19187, Stop: 19882, Start Num: 21

Candidate Starts for Ribeye_24:

(Start: 21 @19187 has 167 MA's), (35, 19226), (64, 19388), (66, 19415), (92, 19559), (94, 19571), (122, 19688), (131, 19745), (156, 19862),

Gene: Rich_20 Start: 16635, Stop: 17471, Start Num: 13

Candidate Starts for Rich_20:

(Start: 13 @16635 has 8 MA's), (Start: 24 @16668 has 40 MA's), (48, 16761), (50, 16776), (53, 16797), (54, 16800), (57, 16818), (74, 16932), (127, 17217), (130, 17247), (148, 17316), (162, 17388),

Gene: Ricotta_18 Start: 14423, Stop: 15223, Start Num: 22

Candidate Starts for Ricotta_18:

(Start: 22 @14423 has 249 MA's), (40, 14486), (52, 14543), (53, 14552), (54, 14555), (68, 14651), (74, 14687), (96, 14804), (119, 14936), (122, 14951), (127, 14972), (130, 15002), (148, 15071), (157, 15122), (162, 15143), (171, 15197), (172, 15200),

Gene: Riggan_18 Start: 14679, Stop: 15479, Start Num: 22

Candidate Starts for Riggan_18:

(Start: 22 @14679 has 249 MA's), (40, 14742), (52, 14799), (53, 14808), (54, 14811), (68, 14907), (74, 14943), (96, 15060), (119, 15192), (122, 15207), (127, 15228), (130, 15258), (148, 15327), (157, 15378), (162, 15399), (171, 15453), (172, 15456),

Gene: Rimu_17 Start: 14411, Stop: 15211, Start Num: 22

Candidate Starts for Rimu_17:

(Start: 22 @14411 has 249 MA's), (40, 14474), (52, 14531), (53, 14540), (54, 14543), (68, 14639), (74, 14675), (96, 14792), (119, 14924), (122, 14939), (127, 14960), (130, 14990), (148, 15059), (157,

15110), (162, 15131), (171, 15185), (172, 15188),

Gene: RiverRaider_25 Start: 17572, Stop: 18267, Start Num: 21

Candidate Starts for RiverRaider_25:

(7, 17515), (Start: 21 @17572 has 167 MA's), (29, 17581), (35, 17611), (48, 17671), (52, 17698), (64, 17773), (92, 17944), (94, 17956), (131, 18130), (152, 18217), (160, 18262),

Gene: Rizwana_22 Start: 16262, Stop: 17188, Start Num: 18

Candidate Starts for Rizwana_22:

(Start: 18 @16262 has 8 MA's), (35, 16310), (71, 16520), (78, 16562), (82, 16586), (124, 16787), (154, 16928), (155, 16943), (172, 17030), (177, 17069), (184, 17159),

Gene: RoadKill_21 Start: 16669, Stop: 17364, Start Num: 20

Candidate Starts for RoadKill_21:

(Start: 20 @16669 has 15 MA's), (29, 16678), (35, 16708), (48, 16768), (50, 16783), (52, 16795), (74, 16939), (92, 17038), (94, 17050), (116, 17134), (130, 17221), (150, 17305),

Gene: RobinRose_29 Start: 16284, Stop: 17225, Start Num: 21

Candidate Starts for RobinRose_29:

(Start: 21 @16284 has 167 MA's), (36, 16329), (86, 16623), (122, 16794), (130, 16848), (131, 16851), (152, 16929), (165, 16998), (166, 17004), (167, 17019), (183, 17163),

Gene: RobsFeet_31 Start: 17385, Stop: 18065, Start Num: 21

Candidate Starts for RobsFeet_31:

(Start: 21 @17385 has 167 MA's), (44, 17472), (60, 17565), (61, 17571), (64, 17583), (71, 17631), (81, 17691), (106, 17805), (122, 17880), (130, 17934), (148, 17994), (163, 18054),

Gene: Robyn_17 Start: 14272, Stop: 15072, Start Num: 22

Candidate Starts for Robyn_17:

(Start: 22 @14272 has 249 MA's), (40, 14335), (52, 14392), (53, 14401), (54, 14404), (68, 14500), (74, 14536), (96, 14653), (119, 14785), (122, 14800), (127, 14821), (130, 14851), (148, 14920), (157, 14971), (162, 14992), (171, 15046), (172, 15049),

Gene: Rofo_23 Start: 18608, Stop: 19303, Start Num: 21

Candidate Starts for Rofo_23:

(Start: 21 @18608 has 167 MA's), (29, 18617), (35, 18647), (52, 18734), (64, 18809), (92, 18980), (94, 18992), (102, 19013), (131, 19166), (138, 19190), (156, 19283), (160, 19298),

Gene: RogerDodger_25 Start: 16033, Stop: 16719, Start Num: 21

Candidate Starts for RogerDodger_25:

(Start: 21 @16033 has 167 MA's), (48, 16132), (74, 16303), (75, 16306), (97, 16426), (148, 16657),

Gene: Roliet_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Roliet_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: RomansRevenge_19 Start: 14509, Stop: 15429, Start Num: 18

Candidate Starts for RomansRevenge_19:

(Start: 18 @14509 has 8 MA's), (31, 14533), (88, 14866), (98, 14914), (124, 15028), (130, 15073), (145, 15115), (148, 15139), (149, 15142), (153, 15166), (157, 15190), (169, 15253), (175, 15283), (181, 15343),

Gene: Romm_29 Start: 16284, Stop: 17225, Start Num: 21

Candidate Starts for Romm_29:

(Start: 21 @16284 has 167 MA's), (36, 16329), (86, 16623), (122, 16794), (130, 16848), (131, 16851), (152, 16929), (165, 16998), (166, 17004), (167, 17019), (183, 17163),

Gene: Roscoe_19 Start: 14940, Stop: 15740, Start Num: 22

Candidate Starts for Roscoe_19:

(Start: 22 @14940 has 249 MA's), (40, 15003), (52, 15060), (53, 15069), (54, 15072), (68, 15168), (74, 15204), (96, 15321), (119, 15453), (122, 15468), (127, 15489), (130, 15519), (148, 15588), (157, 15639), (162, 15660), (171, 15714), (172, 15717),

Gene: Rowlf_25 Start: 16422, Stop: 17369, Start Num: 21

Candidate Starts for Rowlf_25:

(Start: 21 @16422 has 167 MA's), (32, 16446), (41, 16494), (51, 16542), (130, 16989), (131, 16992), (157, 17109), (175, 17214), (182, 17289),

Gene: Roy17_18 Start: 14401, Stop: 15201, Start Num: 22

Candidate Starts for Roy17_18:

(Start: 22 @14401 has 249 MA's), (40, 14464), (52, 14521), (53, 14530), (54, 14533), (68, 14629), (74, 14665), (96, 14782), (119, 14914), (122, 14929), (127, 14950), (130, 14980), (148, 15049), (157, 15100), (162, 15121), (171, 15175), (172, 15178),

Gene: RubyRalph_30 Start: 16992, Stop: 17930, Start Num: 21

Candidate Starts for RubyRalph_30:

(Start: 21 @16992 has 167 MA's), (32, 17016), (67, 17223), (71, 17241), (118, 17478), (129, 17544), (130, 17559), (148, 17628), (150, 17637), (152, 17643), (175, 17781),

Gene: Rudy_26 Start: 16763, Stop: 17710, Start Num: 21

Candidate Starts for Rudy_26:

(Start: 21 @16763 has 167 MA's), (32, 16787), (41, 16835), (51, 16883), (131, 17333), (157, 17450), (175, 17555), (182, 17630),

Gene: SDcharge11_18 Start: 14680, Stop: 15480, Start Num: 22

Candidate Starts for SDcharge11_18:

(Start: 22 @14680 has 249 MA's), (40, 14743), (52, 14800), (53, 14809), (54, 14812), (68, 14908), (74, 14944), (96, 15061), (119, 15193), (122, 15208), (127, 15229), (130, 15259), (148, 15328), (157, 15379), (162, 15400), (171, 15454), (172, 15457),

Gene: SJReid_88 Start: 52426, Stop: 53082, Start Num: 21

Candidate Starts for SJReid_88:

(Start: 21 @52426 has 167 MA's), (33, 52459), (82, 52750), (84, 52762), (111, 52888), (140, 53020), (141, 53026),

Gene: SadLad_32 Start: 17935, Stop: 18873, Start Num: 21

Candidate Starts for SadLad_32:

(Start: 21 @17935 has 167 MA's), (32, 17959), (67, 18166), (71, 18184), (118, 18421), (129, 18487), (130, 18502), (148, 18571), (150, 18580), (152, 18586), (175, 18724),

Gene: Saguaro_20 Start: 17420, Stop: 18220, Start Num: 24

Candidate Starts for Saguaro_20:

(Start: 24 @17420 has 40 MA's), (36, 17462), (40, 17486), (54, 17555), (61, 17606), (71, 17666), (72, 17678), (74, 17687), (78, 17708), (114, 17906), (119, 17936), (140, 18029), (146, 18065), (148,

18071),

Gene: Salete_16 Start: 16946, Stop: 17644, Start Num: 26

Candidate Starts for Salete_16:

(Start: 26 @16946 has 10 MA's), (34, 16976), (38, 16994), (48, 17036), (49, 17048), (52, 17063), (54, 17075), (71, 17186), (74, 17207), (82, 17252), (95, 17318), (106, 17363), (123, 17438), (130, 17486), (131, 17489), (138, 17519), (142, 17531), (148, 17567), (161, 17633),

Gene: SallyK_29 Start: 17813, Stop: 18760, Start Num: 21

Candidate Starts for SallyK_29:

(Start: 21 @17813 has 167 MA's), (32, 17837), (41, 17885), (51, 17933), (131, 18383), (157, 18500), (175, 18605), (182, 18680),

Gene: Salvador_22 Start: 15154, Stop: 15840, Start Num: 21

Candidate Starts for Salvador_22:

(Start: 21 @15154 has 167 MA's), (48, 15253), (74, 15424), (75, 15427), (97, 15547), (147, 15775), (148, 15778),

Gene: Samaymay_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Samaymay_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Sampson_24 Start: 18870, Stop: 19559, Start Num: 20

Candidate Starts for Sampson_24:

(5, 18786), (7, 18813), (Start: 20 @18870 has 15 MA's), (35, 18909), (38, 18924), (50, 18984), (92, 19239), (150, 19506), (156, 19542),

Gene: Sanjuju_21 Start: 18118, Stop: 18813, Start Num: 21

Candidate Starts for Sanjuju_21:

(Start: 21 @18118 has 167 MA's), (29, 18127), (35, 18157), (52, 18244), (64, 18319), (71, 18367), (82, 18433), (92, 18490), (94, 18502), (102, 18523), (131, 18676), (156, 18793), (160, 18808),

Gene: Saronaya_23 Start: 18018, Stop: 18713, Start Num: 21

Candidate Starts for Saronaya_23:

(7, 17958), (Start: 21 @18018 has 167 MA's), (35, 18057), (64, 18219), (92, 18390), (94, 18402), (156, 18693), (160, 18708),

Gene: SassyCat97_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for SassyCat97_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Savannah_29 Start: 17334, Stop: 18014, Start Num: 21

Candidate Starts for Savannah_29:

(Start: 21 @17334 has 167 MA's), (44, 17421), (50, 17445), (61, 17520), (64, 17532), (71, 17580), (81, 17640), (109, 17769), (113, 17781), (122, 17829), (130, 17883), (148, 17943),

Gene: Savbucketdawg_22 Start: 14935, Stop: 15621, Start Num: 21

Candidate Starts for Savbucketdawg_22:

(Start: 21 @14935 has 167 MA's), (48, 15034), (74, 15205), (75, 15208), (97, 15328), (147, 15556), (148, 15559),

Gene: Schadenfreude_17 Start: 14256, Stop: 15056, Start Num: 22

Candidate Starts for Schadenfreude_17:

(Start: 22 @14256 has 249 MA's), (40, 14319), (52, 14376), (53, 14385), (54, 14388), (68, 14484), (74, 14520), (96, 14637), (119, 14769), (122, 14784), (127, 14805), (130, 14835), (148, 14904), (157, 14955), (162, 14976), (171, 15030), (172, 15033),

Gene: SchottB_22 Start: 19033, Stop: 19728, Start Num: 21

Candidate Starts for SchottB_22:

(Start: 21 @19033 has 167 MA's), (35, 19072), (64, 19234), (66, 19261), (71, 19282), (92, 19405), (94, 19417), (131, 19591), (156, 19708), (160, 19723),

Gene: Schueller_17 Start: 14397, Stop: 15197, Start Num: 22

Candidate Starts for Schueller_17:

(Start: 22 @14397 has 249 MA's), (40, 14460), (52, 14517), (53, 14526), (54, 14529), (68, 14625), (74, 14661), (96, 14778), (119, 14910), (122, 14925), (127, 14946), (130, 14976), (148, 15045), (157, 15096), (162, 15117), (171, 15171), (172, 15174),

Gene: Scioto_24 Start: 18979, Stop: 19614, Start Num: 38

Candidate Starts for Scioto_24:

(5, 18841), (7, 18868), (Start: 20 @18925 has 15 MA's), (35, 18964), (38, 18979), (50, 19039), (92, 19294), (150, 19561), (156, 19597),

Gene: Scoot17C_18 Start: 14700, Stop: 15500, Start Num: 22

Candidate Starts for Scoot17C_18:

(Start: 22 @14700 has 249 MA's), (40, 14763), (52, 14820), (53, 14829), (54, 14832), (68, 14928), (74, 14964), (96, 15081), (119, 15213), (122, 15228), (127, 15249), (130, 15279), (148, 15348), (157, 15399), (162, 15420), (171, 15474), (172, 15477),

Gene: Scrick_17 Start: 14419, Stop: 15219, Start Num: 22

Candidate Starts for Scrick_17:

(Start: 22 @14419 has 249 MA's), (40, 14482), (52, 14539), (53, 14548), (54, 14551), (68, 14647), (74, 14683), (96, 14800), (119, 14932), (122, 14947), (127, 14968), (130, 14998), (148, 15067), (157, 15118), (162, 15139), (171, 15193), (172, 15196),

Gene: Scumberland_31 Start: 17522, Stop: 18202, Start Num: 21

Candidate Starts for Scumberland_31:

(Start: 21 @17522 has 167 MA's), (44, 17609), (50, 17633), (61, 17708), (64, 17720), (71, 17768), (81, 17828), (109, 17957), (113, 17969), (122, 18017), (130, 18071), (148, 18131), (163, 18191),

Gene: Sedona_25 Start: 20423, Stop: 21118, Start Num: 21

Candidate Starts for Sedona_25:

(Start: 21 @20423 has 167 MA's), (29, 20432), (35, 20462), (52, 20549), (64, 20624), (71, 20672), (92, 20795), (94, 20807), (102, 20828), (131, 20981), (156, 21098), (160, 21113),

Gene: Sejanus_17 Start: 14658, Stop: 15461, Start Num: 27

Candidate Starts for Sejanus_17:

(Start: 27 @14658 has 3 MA's), (31, 14670), (34, 14685), (36, 14694), (38, 14703), (54, 14787), (61, 14838), (78, 14940), (79, 14943), (83, 14970), (90, 15009), (92, 15018), (103, 15087), (116, 15150), (144, 15276), (152, 15330),

Gene: Selr12_18 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for Selr12_18:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Selwyn23_31 Start: 17500, Stop: 18180, Start Num: 21

Candidate Starts for Selwyn23_31:

(Start: 21 @17500 has 167 MA's), (44, 17587), (50, 17611), (61, 17686), (64, 17698), (71, 17746), (81, 17806), (109, 17935), (113, 17947), (122, 17995), (130, 18049), (148, 18109),

Gene: Serendipitous_20 Start: 16688, Stop: 17524, Start Num: 13

Candidate Starts for Serendipitous_20:

(2, 16580), (Start: 13 @16688 has 8 MA's), (Start: 24 @16721 has 40 MA's), (50, 16829), (53, 16850), (54, 16853), (57, 16871), (74, 16985), (127, 17270), (130, 17300), (144, 17339), (148, 17369), (162, 17441), (164, 17447), (175, 17519),

Gene: Serendipity_18 Start: 14720, Stop: 15520, Start Num: 22

Candidate Starts for Serendipity_18:

(Start: 22 @14720 has 249 MA's), (40, 14783), (52, 14840), (53, 14849), (54, 14852), (68, 14948), (74, 14984), (96, 15101), (119, 15233), (122, 15248), (127, 15269), (130, 15299), (148, 15368), (157, 15419), (162, 15440), (171, 15494), (172, 15497),

Gene: Serpentine_0018 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Serpentine_0018:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Shatter_18 Start: 14690, Stop: 15502, Start Num: 25

Candidate Starts for Shatter_18:

(Start: 25 @14690 has 8 MA's), (32, 14708), (48, 14783), (52, 14810), (54, 14822), (60, 14867), (74, 14954), (78, 14975), (119, 15200), (125, 15230), (127, 15236), (148, 15338), (162, 15410), (172, 15467),

Gene: Sheila_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for Sheila_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (171, 15465), (172, 15468),

Gene: ShiVal_18 Start: 14693, Stop: 15493, Start Num: 22

Candidate Starts for ShiVal_18:

(Start: 22 @14693 has 249 MA's), (40, 14756), (52, 14813), (53, 14822), (54, 14825), (68, 14921), (74, 14957), (96, 15074), (119, 15206), (122, 15221), (127, 15242), (130, 15272), (148, 15341), (157, 15392), (162, 15413), (171, 15467), (172, 15470),

Gene: Shinji_22 Start: 15124, Stop: 15810, Start Num: 21

Candidate Starts for Shinji_22:

(Start: 21 @15124 has 167 MA's), (52, 15250), (75, 15397), (97, 15517), (130, 15673), (138, 15700), (147, 15745), (148, 15748),

Gene: Shivanishola_23 Start: 18451, Stop: 19146, Start Num: 21

Candidate Starts for Shivanishola_23:

(Start: 21 @18451 has 167 MA's), (29, 18460), (35, 18490), (52, 18577), (64, 18652), (82, 18766), (92, 18823), (94, 18835), (102, 18856), (131, 19009), (138, 19033), (156, 19126), (160, 19141),

Gene: Shotgun_29 Start: 17132, Stop: 17812, Start Num: 21

Candidate Starts for Shotgun_29:

(Start: 21 @17132 has 167 MA's), (44, 17219), (50, 17243), (61, 17318), (64, 17330), (71, 17378), (81, 17438), (109, 17567), (113, 17579), (122, 17627), (130, 17681), (148, 17741), (163, 17801),

Gene: Sigman_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Sigman_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: SilentRX_24 Start: 16580, Stop: 17476, Start Num: 18

Candidate Starts for SilentRX_24:

(Start: 18 @16580 has 8 MA's), (35, 16622), (37, 16634), (46, 16676), (54, 16721), (59, 16754), (66, 16811), (80, 16892), (88, 16937), (92, 16955), (113, 17021), (118, 17039), (122, 17066), (137, 17138), (145, 17162),

Gene: Sillytadpoles_29 Start: 16848, Stop: 17675, Start Num: 51

Candidate Starts for Sillytadpoles_29:

(Start: 21 @16728 has 167 MA's), (32, 16752), (41, 16800), (51, 16848), (131, 17298), (157, 17415), (175, 17520), (182, 17595),

Gene: Simielle_17 Start: 14391, Stop: 15191, Start Num: 22

Candidate Starts for Simielle_17:

(Start: 22 @14391 has 249 MA's), (40, 14454), (52, 14511), (53, 14520), (54, 14523), (68, 14619), (74, 14655), (96, 14772), (119, 14904), (122, 14919), (127, 14940), (130, 14970), (148, 15039), (157, 15090), (162, 15111), (171, 15165), (172, 15168),

Gene: SirJeffery_20 Start: 16497, Stop: 17333, Start Num: 13

Candidate Starts for SirJeffery_20:

(Start: 13 @16497 has 8 MA's), (Start: 24 @16530 has 40 MA's), (50, 16638), (51, 16644), (53, 16659), (54, 16662), (57, 16680), (74, 16794), (127, 17079), (130, 17109), (144, 17148), (148, 17178), (162, 17250),

Gene: Sisko_18 Start: 14990, Stop: 15799, Start Num: 24

Candidate Starts for Sisko_18:

(6, 14921), (9, 14939), (Start: 24 @14990 has 40 MA's), (32, 15008), (48, 15083), (54, 15122), (74, 15254), (78, 15275), (89, 15341), (127, 15536), (148, 15638), (152, 15653), (162, 15710),

Gene: Sitar_25 Start: 19794, Stop: 20489, Start Num: 21

Candidate Starts for Sitar_25:

(Start: 21 @19794 has 167 MA's), (29, 19803), (35, 19833), (52, 19920), (64, 19995), (71, 20043), (92, 20166), (94, 20178), (102, 20199), (131, 20352), (156, 20469),

Gene: Sixama_83 Start: 44174, Stop: 44824, Start Num: 21

Candidate Starts for Sixama_83:

(Start: 21 @44174 has 167 MA's), (36, 44219), (41, 44246), (50, 44288), (61, 44363), (74, 44444), (111, 44627), (118, 44651), (119, 44663), (120, 44666),

Gene: Skippy_18 Start: 14684, Stop: 15484, Start Num: 22

Candidate Starts for Skippy_18:

(Start: 22 @14684 has 249 MA's), (40, 14747), (52, 14804), (53, 14813), (54, 14816), (68, 14912), (74, 14948), (96, 15065), (119, 15197), (122, 15212), (127, 15233), (130, 15263), (148, 15332), (157, 15383), (162, 15404), (171, 15458), (172, 15461),

Gene: Slatt_18 Start: 14716, Stop: 15516, Start Num: 22

Candidate Starts for Slatt_18:

(Start: 22 @14716 has 249 MA's), (40, 14779), (52, 14836), (53, 14845), (54, 14848), (68, 14944), (74, 14980), (96, 15097), (119, 15229), (122, 15244), (127, 15265), (130, 15295), (148, 15364), (157, 15415), (162, 15436), (171, 15490), (172, 15493),

Gene: Smarties_38 Start: 19203, Stop: 19883, Start Num: 21

Candidate Starts for Smarties_38:

(Start: 21 @19203 has 167 MA's), (41, 19275), (44, 19290), (50, 19314), (61, 19389), (64, 19401), (66, 19428), (71, 19449), (81, 19509), (109, 19638), (113, 19650), (122, 19698), (130, 19752), (148, 19812),

Gene: SmokingBunny_22 Start: 15154, Stop: 15840, Start Num: 21

Candidate Starts for SmokingBunny_22:

(Start: 21 @15154 has 167 MA's), (48, 15253), (74, 15424), (75, 15427), (97, 15547), (147, 15775), (148, 15778),

Gene: Soile_18 Start: 14411, Stop: 15211, Start Num: 22

Candidate Starts for Soile_18:

(Start: 22 @14411 has 249 MA's), (40, 14474), (52, 14531), (53, 14540), (54, 14543), (68, 14639), (74, 14675), (96, 14792), (119, 14924), (122, 14939), (127, 14960), (130, 14990), (148, 15059), (157, 15110), (162, 15131), (171, 15185), (172, 15188),

Gene: Solosis_17 Start: 14418, Stop: 15218, Start Num: 22

Candidate Starts for Solosis_17:

(Start: 22 @14418 has 249 MA's), (40, 14481), (52, 14538), (53, 14547), (54, 14550), (68, 14646), (74, 14682), (96, 14799), (119, 14931), (122, 14946), (127, 14967), (130, 14997), (148, 15066), (157, 15117), (162, 15138), (171, 15192), (172, 15195),

Gene: Soos_45 Start: 26265, Stop: 27008, Start Num: 28

Candidate Starts for Soos_45:

(Start: 28 @26265 has 2 MA's), (30, 26271), (48, 26355), (54, 26394), (61, 26445), (74, 26526), (77, 26544), (86, 26595), (87, 26601), (89, 26613), (104, 26700), (112, 26733), (125, 26802), (148, 26910),

Gene: Sophia_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Sophia_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Soto_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Soto_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: Sour_21 Start: 16499, Stop: 17311, Start Num: 24

Candidate Starts for Sour_21:

(14, 16466), (Start: 24 @16499 has 40 MA's), (48, 16592), (54, 16631), (61, 16682), (74, 16763), (78, 16784), (80, 16802), (89, 16850), (127, 17045), (148, 17147), (152, 17162), (172, 17276), (176, 17300),

Gene: Spartan300_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Spartan300_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: Squash_30 Start: 17789, Stop: 18736, Start Num: 21

Candidate Starts for Squash_30:

(Start: 21 @17789 has 167 MA's), (32, 17813), (41, 17861), (51, 17909), (131, 18359), (157, 18476), (175, 18581), (182, 18656),

Gene: Squid_18 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Squid_18:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Squiggle_18 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Squiggle_18:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Sting_49 Start: 26704, Stop: 27447, Start Num: 28

Candidate Starts for Sting_49:

(Start: 28 @26704 has 2 MA's), (30, 26710), (48, 26794), (54, 26833), (61, 26884), (74, 26965), (77, 26983), (86, 27034), (87, 27040), (89, 27052), (104, 27139), (112, 27172), (125, 27241), (148, 27349),

Gene: Stinger_16 Start: 14936, Stop: 15742, Start Num: 25

Candidate Starts for Stinger_16:

(Start: 25 @14936 has 8 MA's), (40, 14999), (53, 15065), (54, 15068), (71, 15179), (74, 15200), (78, 15221), (102, 15356), (119, 15449), (143, 15551), (148, 15584), (151, 15596), (152, 15599), (157, 15635),

Gene: StinkyVeggy_22 Start: 16657, Stop: 17460, Start Num: 24

Candidate Starts for StinkyVeggy_22:

(Start: 13 @16624 has 8 MA's), (Start: 24 @16657 has 40 MA's), (50, 16765), (51, 16771), (53, 16786), (54, 16789), (57, 16807), (74, 16921), (127, 17206), (130, 17236), (148, 17305),

Gene: StorminNorm_23 Start: 17897, Stop: 18592, Start Num: 21

Candidate Starts for StorminNorm_23:

(7, 17837), (Start: 21 @17897 has 167 MA's), (35, 17936), (64, 18098), (92, 18269), (94, 18281), (156, 18572), (160, 18587),

Gene: StrawberryJamm_30 Start: 16967, Stop: 17914, Start Num: 21

Candidate Starts for StrawberryJamm_30:

(Start: 21 @16967 has 167 MA's), (32, 16991), (41, 17039), (51, 17087), (131, 17537), (157, 17654), (175, 17759), (182, 17834),

Gene: Struggle_17 Start: 14252, Stop: 15052, Start Num: 22

Candidate Starts for Struggle_17:

(Start: 22 @14252 has 249 MA's), (40, 14315), (52, 14372), (53, 14381), (54, 14384), (68, 14480), (74, 14516), (96, 14633), (119, 14765), (122, 14780), (127, 14801), (130, 14831), (148, 14900), (157, 14951), (171, 15026), (172, 15029),

Gene: Stultus_23 Start: 18402, Stop: 19097, Start Num: 21

Candidate Starts for Stultus_23:

(Start: 21 @18402 has 167 MA's), (29, 18411), (35, 18441), (52, 18528), (64, 18603), (71, 18651), (92, 18774), (94, 18786), (102, 18807), (131, 18960), (156, 19077), (160, 19092),

Gene: Suffolk_18 Start: 14698, Stop: 15498, Start Num: 22

Candidate Starts for Suffolk_18:

(Start: 22 @14698 has 249 MA's), (40, 14761), (52, 14818), (53, 14827), (54, 14830), (68, 14926), (74, 14962), (96, 15079), (119, 15211), (122, 15226), (127, 15247), (130, 15277), (148, 15346), (157, 15397), (162, 15418), (171, 15472), (172, 15475),

Gene: Suigeneris_20 Start: 16509, Stop: 17345, Start Num: 13

Candidate Starts for Suigeneris_20:

(2, 16398), (Start: 13 @16509 has 8 MA's), (Start: 24 @16542 has 40 MA's), (48, 16635), (50, 16650), (51, 16656), (53, 16671), (54, 16674), (57, 16692), (74, 16806), (127, 17091), (130, 17121), (144, 17160), (148, 17190), (162, 17262),

Gene: Surely_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Surely_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Swiphy_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Swiphy_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (171, 15473), (172, 15476),

Gene: Swish_18 Start: 14694, Stop: 15494, Start Num: 22

Candidate Starts for Swish_18:

(Start: 22 @14694 has 249 MA's), (40, 14757), (52, 14814), (53, 14823), (54, 14826), (68, 14922), (74, 14958), (96, 15075), (119, 15207), (122, 15222), (127, 15243), (130, 15273), (148, 15342), (157, 15393), (162, 15414), (171, 15468), (172, 15471),

Gene: TP1604_16 Start: 16946, Stop: 17644, Start Num: 26

Candidate Starts for TP1604_16:

(Start: 26 @16946 has 10 MA's), (34, 16976), (38, 16994), (48, 17036), (49, 17048), (52, 17063), (54, 17075), (71, 17186), (74, 17207), (82, 17252), (95, 17318), (106, 17363), (123, 17438), (130, 17486), (131, 17489), (138, 17519), (142, 17531), (148, 17567), (161, 17633),

Gene: TPA2_27 Start: 17080, Stop: 17883, Start Num: 24

Candidate Starts for TPA2_27:

(Start: 24 @17080 has 40 MA's), (32, 17098), (42, 17149), (50, 17188), (54, 17212), (60, 17257), (71, 17323), (74, 17344), (82, 17389), (89, 17431), (119, 17590), (125, 17620), (127, 17626), (148, 17728), (164, 17800),

Gene: Talia1610_87 Start: 50531, Stop: 51187, Start Num: 21

Candidate Starts for Talia1610_87:

(Start: 21 @50531 has 167 MA's), (60, 50714), (74, 50801), (111, 50981), (119, 51017), (120, 51020),

Gene: TallGrassMM_18 Start: 14424, Stop: 15224, Start Num: 22

Candidate Starts for TallGrassMM_18:

(Start: 22 @14424 has 249 MA's), (40, 14487), (52, 14544), (53, 14553), (54, 14556), (68, 14652), (74, 14688), (96, 14805), (119, 14937), (122, 14952), (127, 14973), (130, 15003), (148, 15072), (157, 15123), (162, 15144), (171, 15198), (172, 15201),

Gene: Tangent_21 Start: 17601, Stop: 18296, Start Num: 21

Candidate Starts for Tangent_21:

(Start: 21 @17601 has 167 MA's), (29, 17610), (35, 17640), (52, 17727), (64, 17802), (82, 17916), (92, 17973), (94, 17985), (102, 18006), (131, 18159), (138, 18183), (156, 18276), (160, 18291),

Gene: Tangerine_23 Start: 17903, Stop: 18598, Start Num: 21

Candidate Starts for Tangerine_23:

(7, 17843), (Start: 21 @17903 has 167 MA's), (35, 17942), (64, 18104), (92, 18275), (94, 18287), (156, 18578), (160, 18593),

Gene: Tank_23 Start: 16142, Stop: 17065, Start Num: 18

Candidate Starts for Tank_23:

(Start: 18 @16142 has 8 MA's), (35, 16190), (36, 16196), (38, 16205), (71, 16400), (91, 16517), (118, 16631), (124, 16667), (134, 16721), (142, 16742), (150, 16787), (152, 16793), (157, 16829), (158, 16832), (168, 16889), (169, 16892), (180, 16976),

Gene: Tardus_25 Start: 18205, Stop: 18894, Start Num: 20

Candidate Starts for Tardus_25:

(5, 18121), (7, 18148), (Start: 20 @18205 has 15 MA's), (35, 18244), (38, 18259), (50, 18319), (92, 18574), (150, 18841), (156, 18877),

Gene: Teehee_29 Start: 17965, Stop: 18912, Start Num: 21

Candidate Starts for Teehee_29:

(Start: 21 @17965 has 167 MA's), (32, 17989), (41, 18037), (51, 18085), (131, 18535), (157, 18652), (175, 18757), (182, 18832),

Gene: Telesworld_17 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for Telesworld_17:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Tempo_27 Start: 16160, Stop: 17101, Start Num: 21

Candidate Starts for Tempo_27:

(Start: 21 @16160 has 167 MA's), (36, 16205), (86, 16499), (122, 16670), (130, 16724), (131, 16727), (152, 16805), (165, 16874), (166, 16880), (167, 16895), (183, 17039),

Gene: Terij_26 Start: 16689, Stop: 17393, Start Num: 21

Candidate Starts for Terij_26:

(17, 16677), (Start: 21 @16689 has 167 MA's), (50, 16800), (54, 16824), (61, 16875), (64, 16887), (71, 16935), (106, 17112), (129, 17226), (130, 17241), (138, 17262), (144, 17280), (157, 17355),

Gene: Thing3_24 Start: 19151, Stop: 19846, Start Num: 21

Candidate Starts for Thing3_24:

(Start: 21 @19151 has 167 MA's), (29, 19160), (35, 19190), (52, 19277), (64, 19352), (92, 19523), (94, 19535), (102, 19556), (131, 19709), (156, 19826),

Gene: Thonko_19 Start: 14179, Stop: 14982, Start Num: 21

Candidate Starts for Thonko_19:

(Start: 21 @14179 has 167 MA's), (40, 14245), (48, 14275), (54, 14314), (60, 14359), (61, 14365), (74, 14446), (78, 14467), (85, 14512), (102, 14602), (127, 14731), (144, 14800), (148, 14830),

Gene: Thora_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Thora_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: ThreeOh3D2_18 Start: 14709, Stop: 15509, Start Num: 22

Candidate Starts for ThreeOh3D2_18:

(Start: 22 @14709 has 249 MA's), (40, 14772), (52, 14829), (53, 14838), (54, 14841), (68, 14937), (74, 14973), (96, 15090), (119, 15222), (122, 15237), (127, 15258), (130, 15288), (148, 15357), (157, 15408), (162, 15429), (171, 15483), (172, 15486),

Gene: Thunderbird_18 Start: 14408, Stop: 15208, Start Num: 22

Candidate Starts for Thunderbird_18:

(Start: 22 @14408 has 249 MA's), (40, 14471), (52, 14528), (53, 14537), (54, 14540), (68, 14636), (74, 14672), (96, 14789), (119, 14921), (122, 14936), (127, 14957), (130, 14987), (148, 15056), (157, 15107), (162, 15128), (171, 15182), (172, 15185),

Gene: Tiamoceli_24 Start: 18020, Stop: 18715, Start Num: 20

Candidate Starts for Tiamoceli_24:

(Start: 20 @18020 has 15 MA's), (29, 18029), (35, 18059), (48, 18119), (50, 18134), (52, 18146), (74, 18290), (92, 18389), (94, 18401), (116, 18485), (130, 18572), (150, 18656),

Gene: TillyBobJoe_22 Start: 14938, Stop: 15624, Start Num: 21

Candidate Starts for TillyBobJoe_22:

(Start: 21 @14938 has 167 MA's), (52, 15064), (75, 15211), (97, 15331), (130, 15487), (138, 15514), (147, 15559), (148, 15562),

Gene: Timmi_17 Start: 14418, Stop: 15218, Start Num: 22

Candidate Starts for Timmi_17:

(Start: 22 @14418 has 249 MA's), (40, 14481), (52, 14538), (53, 14547), (54, 14550), (68, 14646), (74, 14682), (96, 14799), (119, 14931), (122, 14946), (127, 14967), (130, 14997), (148, 15066), (157, 15117), (162, 15138), (171, 15192), (172, 15195),

Gene: Tissue_28 Start: 17458, Stop: 18405, Start Num: 21

Candidate Starts for Tissue_28:

(Start: 21 @17458 has 167 MA's), (32, 17482), (41, 17530), (51, 17578), (130, 18025), (131, 18028), (157, 18145), (175, 18250), (182, 18325),

Gene: Togo_22 Start: 15154, Stop: 15840, Start Num: 21

Candidate Starts for Togo_22:

(Start: 21 @15154 has 167 MA's), (48, 15253), (74, 15424), (75, 15427), (97, 15547), (147, 15775), (148, 15778),

Gene: TomBombadil_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for TomBombadil_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Tomlarah_18 Start: 14694, Stop: 15494, Start Num: 22

Candidate Starts for Tomlarah_18:

(Start: 22 @14694 has 249 MA's), (40, 14757), (52, 14814), (53, 14823), (54, 14826), (68, 14922), (74, 14958), (96, 15075), (119, 15207), (122, 15222), (127, 15243), (130, 15273), (148, 15342), (157, 15393), (162, 15414), (171, 15468), (172, 15471),

Gene: Toni_17 Start: 14404, Stop: 15204, Start Num: 22

Candidate Starts for Toni_17:

(Start: 22 @14404 has 249 MA's), (40, 14467), (52, 14524), (53, 14533), (54, 14536), (68, 14632), (74, 14668), (96, 14785), (119, 14917), (122, 14932), (127, 14953), (130, 14983), (148, 15052), (157, 15103), (162, 15124), (171, 15178), (172, 15181),

Gene: Tonitrus_36 Start: 23239, Stop: 23979, Start Num: 27

Candidate Starts for Tonitrus_36:

(Start: 27 @23239 has 3 MA's), (31, 23254), (50, 23347), (57, 23389), (66, 23461), (69, 23470), (71, 23482), (74, 23503), (77, 23521), (99, 23632), (101, 23641), (102, 23653), (108, 23698), (112, 23710), (125, 23779), (128, 23791), (130, 23815), (149, 23890), (152, 23902),

Gene: Tooj_18 Start: 14706, Stop: 15506, Start Num: 22

Candidate Starts for Tooj_18:

(Start: 22 @14706 has 249 MA's), (40, 14769), (52, 14826), (53, 14835), (54, 14838), (68, 14934), (74, 14970), (96, 15087), (119, 15219), (122, 15234), (127, 15255), (130, 15285), (148, 15354), (157, 15405), (162, 15426), (171, 15480), (172, 15483),

Gene: True_17 Start: 14407, Stop: 15207, Start Num: 22

Candidate Starts for True_17:

(Start: 22 @14407 has 249 MA's), (40, 14470), (52, 14527), (53, 14536), (54, 14539), (68, 14635), (74, 14671), (96, 14788), (119, 14920), (122, 14935), (127, 14956), (130, 14986), (148, 15055), (157, 15106), (162, 15127), (171, 15181), (172, 15184),

Gene: Trypo_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for Trypo_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (171, 15470), (172, 15473),

Gene: TurkishDelight_21 Start: 18601, Stop: 19302, Start Num: 23

Candidate Starts for TurkishDelight_21:

(12, 18562), (Start: 23 @18601 has 2 MA's), (51, 18715), (52, 18721), (75, 18868), (77, 18883), (98, 18988), (105, 19021), (120, 19087), (142, 19186), (148, 19222), (161, 19291),

Gene: Twister6_24 Start: 15581, Stop: 16267, Start Num: 21

Candidate Starts for Twister6_24:

(Start: 21 @15581 has 167 MA's), (48, 15680), (74, 15851), (75, 15854), (97, 15974), (147, 16202), (148, 16205),

Gene: Twonlo_21 Start: 16638, Stop: 17333, Start Num: 20

Candidate Starts for Twonlo_21:

(Start: 20 @16638 has 15 MA's), (29, 16647), (35, 16677), (48, 16737), (50, 16752), (52, 16764), (74, 16908), (92, 17007), (94, 17019), (116, 17103), (130, 17190), (150, 17274),

Gene: Tycho_23 Start: 17995, Stop: 18690, Start Num: 20

Candidate Starts for Tycho_23:

(Start: 20 @17995 has 15 MA's), (35, 18034), (49, 18106), (64, 18196), (66, 18223), (92, 18367), (94, 18379), (131, 18553), (156, 18670), (160, 18685),

Gene: TyrionL_17 Start: 14258, Stop: 15058, Start Num: 22

Candidate Starts for TyrionL_17:

(Start: 22 @14258 has 249 MA's), (40, 14321), (52, 14378), (53, 14387), (54, 14390), (68, 14486), (74, 14522), (96, 14639), (119, 14771), (122, 14786), (127, 14807), (130, 14837), (148, 14906), (157, 14957), (162, 14978), (171, 15032), (172, 15035),

Gene: Tyrumbra_28 Start: 16425, Stop: 17105, Start Num: 21

Candidate Starts for Tyrumbra_28:

(Start: 21 @16425 has 167 MA's), (44, 16512), (60, 16605), (64, 16623), (71, 16671), (75, 16695), (81, 16731), (106, 16845), (113, 16872), (122, 16920), (130, 16974), (148, 17034), (163, 17094),

Gene: UAch1_18 Start: 14717, Stop: 15517, Start Num: 22

Candidate Starts for UAch1_18:

(Start: 22 @14717 has 249 MA's), (40, 14780), (52, 14837), (53, 14846), (54, 14849), (68, 14945), (74, 14981), (96, 15098), (119, 15230), (122, 15245), (127, 15266), (130, 15296), (148, 15365), (157, 15416), (162, 15437), (171, 15491), (172, 15494),

Gene: UncleHowie_18 Start: 14406, Stop: 15206, Start Num: 22

Candidate Starts for UncleHowie_18:

(Start: 22 @14406 has 249 MA's), (40, 14469), (52, 14526), (53, 14535), (54, 14538), (68, 14634), (74, 14670), (96, 14787), (119, 14919), (122, 14934), (127, 14955), (130, 14985), (148, 15054), (157, 15105), (162, 15126), (171, 15180), (172, 15183),

Gene: Usavi_18 Start: 14708, Stop: 15508, Start Num: 22

Candidate Starts for Usavi_18:

(Start: 22 @14708 has 249 MA's), (40, 14771), (52, 14828), (53, 14837), (54, 14840), (68, 14936), (74, 14972), (96, 15089), (119, 15221), (122, 15236), (127, 15257), (130, 15287), (148, 15356), (157, 15407), (162, 15428), (171, 15482), (172, 15485),

Gene: Vaishali24_17 Start: 14359, Stop: 15159, Start Num: 22

Candidate Starts for Vaishali24_17:

(Start: 22 @14359 has 249 MA's), (40, 14422), (52, 14479), (53, 14488), (54, 14491), (68, 14587), (74, 14623), (96, 14740), (119, 14872), (122, 14887), (127, 14908), (130, 14938), (148, 15007), (157, 15058), (162, 15079), (171, 15133), (172, 15136),

Gene: Valary_25 Start: 16032, Stop: 16718, Start Num: 21

Candidate Starts for Valary_25:

(Start: 21 @16032 has 167 MA's), (52, 16158), (75, 16305), (97, 16425), (130, 16581), (138, 16608), (147, 16653), (148, 16656),

Gene: Valjean_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Valjean_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: VanDeWege_25 Start: 15962, Stop: 16648, Start Num: 21

Candidate Starts for VanDeWege_25:

(Start: 21 @15962 has 167 MA's), (48, 16061), (74, 16232), (75, 16235), (97, 16355), (147, 16583), (148, 16586),

Gene: Vaticameos_18 Start: 14397, Stop: 15197, Start Num: 22

Candidate Starts for Vaticameos_18:

(Start: 22 @14397 has 249 MA's), (40, 14460), (52, 14517), (53, 14526), (54, 14529), (68, 14625), (74, 14661), (96, 14778), (119, 14910), (122, 14925), (127, 14946), (130, 14976), (148, 15045), (157, 15096), (162, 15117), (171, 15171), (172, 15174),

Gene: Veritas_17 Start: 14246, Stop: 15046, Start Num: 22

Candidate Starts for Veritas_17:

(Start: 22 @14246 has 249 MA's), (40, 14309), (52, 14366), (53, 14375), (54, 14378), (68, 14474), (74, 14510), (96, 14627), (119, 14759), (122, 14774), (127, 14795), (130, 14825), (148, 14894), (157, 14945), (162, 14966), (171, 15020), (172, 15023),

Gene: Verity_24 Start: 18380, Stop: 19072, Start Num: 20

Candidate Starts for Verity_24:

(Start: 20 @18380 has 15 MA's), (35, 18419), (38, 18434), (42, 18455), (43, 18458), (50, 18494), (92, 18749), (150, 19016),

Gene: ViaConlectus_25 Start: 18946, Stop: 19632, Start Num: 21

Candidate Starts for ViaConlectus_25:

(5, 18862), (7, 18889), (16, 18925), (Start: 21 @18946 has 167 MA's), (35, 18985), (38, 19000), (50, 19060), (82, 19261), (92, 19315), (116, 19411), (150, 19582), (156, 19618),

Gene: Viceroy_27 Start: 16730, Stop: 17677, Start Num: 21

Candidate Starts for Viceroy_27:

(Start: 21 @16730 has 167 MA's), (32, 16754), (41, 16802), (51, 16850), (131, 17300), (157, 17417), (175, 17522), (182, 17597),

Gene: Vincenzo_19 Start: 17209, Stop: 18015, Start Num: 25

Candidate Starts for Vincenzo_19:

(8, 17149), (Start: 25 @17209 has 8 MA's), (40, 17272), (52, 17329), (54, 17341), (57, 17359), (74, 17473), (78, 17494), (119, 17722), (127, 17758), (130, 17788), (143, 17824), (148, 17857), (151, 17869), (157, 17908), (172, 17986),

Gene: VioletZ_18 Start: 16470, Stop: 17276, Start Num: 24

Candidate Starts for VioletZ_18:

(Start: 24 @16470 has 40 MA's), (40, 16533), (53, 16599), (54, 16602), (57, 16620), (71, 16713), (74, 16734), (78, 16755), (100, 16872), (102, 16890), (119, 16983), (143, 17085), (148, 17118), (151, 17130), (152, 17133), (157, 17169),

Gene: Virapocalypse_18 Start: 14691, Stop: 15491, Start Num: 22

Candidate Starts for Virapocalypse_18:

(Start: 22 @14691 has 249 MA's), (40, 14754), (52, 14811), (53, 14820), (54, 14823), (68, 14919), (74, 14955), (96, 15072), (119, 15204), (122, 15219), (127, 15240), (130, 15270), (148, 15339), (157, 15390), (162, 15411), (171, 15465), (172, 15468),

Gene: Virgeve_17 Start: 14412, Stop: 15212, Start Num: 22

Candidate Starts for Virgeve_17:

(Start: 22 @14412 has 249 MA's), (40, 14475), (52, 14532), (53, 14541), (54, 14544), (68, 14640), (74, 14676), (96, 14793), (119, 14925), (122, 14940), (127, 14961), (130, 14991), (148, 15060), (157, 15111), (162, 15132), (171, 15186), (172, 15189),

Gene: Vista_18 Start: 14702, Stop: 15502, Start Num: 22

Candidate Starts for Vista_18:

(Start: 22 @14702 has 249 MA's), (40, 14765), (52, 14822), (53, 14831), (54, 14834), (68, 14930), (74, 14966), (96, 15083), (119, 15215), (122, 15230), (127, 15251), (130, 15281), (148, 15350), (157, 15401), (162, 15422), (171, 15476), (172, 15479),

Gene: Vivaldi_18 Start: 14733, Stop: 15533, Start Num: 22

Candidate Starts for Vivaldi_18:

(Start: 22 @14733 has 249 MA's), (40, 14796), (52, 14853), (53, 14862), (54, 14865), (68, 14961), (74, 14997), (96, 15114), (119, 15246), (122, 15261), (127, 15282), (130, 15312), (148, 15381), (157, 15432), (162, 15453), (171, 15507), (172, 15510),

Gene: Vivi2_23 Start: 18774, Stop: 19469, Start Num: 21

Candidate Starts for Vivi2_23:

(Start: 21 @18774 has 167 MA's), (29, 18783), (35, 18813), (52, 18900), (64, 18975), (82, 19089), (92, 19146), (94, 19158), (102, 19179), (131, 19332), (138, 19356), (156, 19449), (160, 19464),

Gene: Vortex_18 Start: 14413, Stop: 15213, Start Num: 22

Candidate Starts for Vortex_18:

(Start: 22 @14413 has 249 MA's), (40, 14476), (52, 14533), (53, 14542), (54, 14545), (68, 14641), (74, 14677), (96, 14794), (119, 14926), (122, 14941), (127, 14962), (130, 14992), (148, 15061), (157, 15112), (162, 15133), (171, 15187), (172, 15190),

Gene: Waleliano_18 Start: 16440, Stop: 17246, Start Num: 24

Candidate Starts for Waleliano_18:

(Start: 24 @16440 has 40 MA's), (40, 16503), (53, 16569), (54, 16572), (57, 16590), (71, 16683), (74, 16704), (78, 16725), (100, 16842), (102, 16860), (119, 16953), (130, 17019), (143, 17055), (148, 17088), (151, 17100), (152, 17103), (157, 17139),

Gene: Wallhey_17 Start: 14264, Stop: 15064, Start Num: 22

Candidate Starts for Wallhey_17:

(Start: 22 @14264 has 249 MA's), (40, 14327), (52, 14384), (53, 14393), (54, 14396), (68, 14492), (74, 14528), (96, 14645), (119, 14777), (122, 14792), (127, 14813), (130, 14843), (148, 14912), (157, 14963), (171, 15038), (172, 15041),

Gene: Waterdiva_18 Start: 14700, Stop: 15500, Start Num: 22

Candidate Starts for Waterdiva_18:

(Start: 22 @14700 has 249 MA's), (40, 14763), (52, 14820), (53, 14829), (54, 14832), (68, 14928), (74, 14964), (96, 15081), (119, 15213), (122, 15228), (127, 15249), (130, 15279), (148, 15348), (157, 15399), (162, 15420), (171, 15474), (172, 15477),

Gene: Wayne3_29 Start: 17728, Stop: 18675, Start Num: 21

Candidate Starts for Wayne3_29:

(Start: 21 @17728 has 167 MA's), (32, 17752), (41, 17800), (51, 17848), (131, 18298), (157, 18415), (175, 18520), (182, 18595),

Gene: Weher20_18 Start: 14690, Stop: 15490, Start Num: 22

Candidate Starts for Weher20_18:

(Start: 22 @14690 has 249 MA's), (40, 14753), (52, 14810), (53, 14819), (54, 14822), (68, 14918), (74, 14954), (96, 15071), (119, 15203), (122, 15218), (127, 15239), (130, 15269), (148, 15338), (157, 15389), (162, 15410), (171, 15464), (172, 15467),

Gene: Wheelie_27 Start: 17046, Stop: 17993, Start Num: 21

Candidate Starts for Wheelie_27:

(Start: 21 @17046 has 167 MA's), (32, 17070), (41, 17118), (51, 17166), (131, 17616), (157, 17733), (175, 17838), (182, 17913),

Gene: Wilca_27 Start: 16100, Stop: 17041, Start Num: 21

Candidate Starts for Wilca_27:

(Start: 21 @16100 has 167 MA's), (36, 16145), (48, 16199), (86, 16439), (131, 16667), (152, 16745), (157, 16781), (167, 16835), (183, 16979), (185, 17021),

Gene: Wilde_23 Start: 16071, Stop: 16994, Start Num: 18

Candidate Starts for Wilde_23:

(Start: 18 @16071 has 8 MA's), (31, 16101), (35, 16119), (36, 16125), (38, 16134), (71, 16329), (91, 16446), (118, 16560), (124, 16596), (134, 16650), (142, 16671), (150, 16716), (152, 16722), (157, 16758), (158, 16761), (168, 16818), (169, 16821), (180, 16905),

Gene: Windsor_17 Start: 14366, Stop: 15166, Start Num: 22

Candidate Starts for Windsor_17:

(Start: 22 @14366 has 249 MA's), (40, 14429), (52, 14486), (53, 14495), (54, 14498), (68, 14594), (74, 14630), (96, 14747), (119, 14879), (122, 14894), (127, 14915), (130, 14945), (148, 15014), (157, 15065), (162, 15086), (171, 15140), (172, 15143),

Gene: Wizard_22 Start: 15288, Stop: 15974, Start Num: 21

Candidate Starts for Wizard_22:

(Start: 21 @15288 has 167 MA's), (52, 15414), (75, 15561), (97, 15681), (130, 15837), (138, 15864), (147, 15909), (148, 15912),

Gene: Wooper_20 Start: 16094, Stop: 16906, Start Num: 24

Candidate Starts for Wooper_20:

(Start: 24 @16094 has 40 MA's), (32, 16112), (48, 16187), (54, 16226), (60, 16271), (74, 16358), (78, 16379), (80, 16397), (89, 16445), (127, 16640), (148, 16742), (162, 16814),

Gene: Xavier_17 Start: 14418, Stop: 15218, Start Num: 22

Candidate Starts for Xavier_17:

(Start: 22 @14418 has 249 MA's), (40, 14481), (52, 14538), (53, 14547), (54, 14550), (68, 14646), (74, 14682), (96, 14799), (119, 14931), (122, 14946), (127, 14967), (130, 14997), (148, 15066), (157, 15117), (162, 15138), (171, 15192), (172, 15195),

Gene: Xkcd426_22 Start: 24333, Stop: 25025, Start Num: 26

Candidate Starts for Xkcd426_22:

(Start: 26 @24333 has 10 MA's), (36, 24372), (43, 24405), (48, 24423), (49, 24435), (52, 24450), (62, 24516), (72, 24585), (78, 24615), (79, 24618), (95, 24705), (131, 24876), (142, 24912), (148, 24948), (152, 24963),

Gene: YDN12_17 Start: 16883, Stop: 17587, Start Num: 26

Candidate Starts for YDN12_17:

(Start: 26 @16883 has 10 MA's), (34, 16913), (38, 16931), (48, 16973), (49, 16985), (51, 16994), (52, 17000), (54, 17012), (55, 17018), (71, 17123), (74, 17144), (78, 17165), (95, 17255), (123, 17375), (130, 17423), (131, 17426), (138, 17456), (142, 17468), (148, 17504),

Gene: Yago84_18 Start: 14999, Stop: 15808, Start Num: 24

Candidate Starts for Yago84_18:

(6, 14930), (9, 14948), (Start: 24 @14999 has 40 MA's), (32, 15017), (48, 15092), (54, 15131), (60, 15176), (74, 15263), (78, 15284), (89, 15350), (127, 15545), (148, 15647), (152, 15662), (162, 15719),

Gene: Yeti_30 Start: 17302, Stop: 17982, Start Num: 21

Candidate Starts for Yeti_30:

(Start: 21 @17302 has 167 MA's), (44, 17389), (50, 17413), (61, 17488), (64, 17500), (71, 17548), (81, 17608), (109, 17737), (113, 17749), (122, 17797), (130, 17851), (148, 17911),

Gene: YorkOnyx_24 Start: 18263, Stop: 18958, Start Num: 20

Candidate Starts for YorkOnyx_24:

(Start: 20 @18263 has 15 MA's), (35, 18302), (64, 18464), (92, 18635), (94, 18647), (131, 18821), (156, 18938), (160, 18953),

Gene: Yoshand_18 Start: 14703, Stop: 15503, Start Num: 22

Candidate Starts for Yoshand_18:

(Start: 22 @14703 has 249 MA's), (40, 14766), (52, 14823), (53, 14832), (54, 14835), (68, 14931), (74, 14967), (96, 15084), (119, 15216), (122, 15231), (127, 15252), (130, 15282), (148, 15351), (157, 15402), (162, 15423), (171, 15477), (172, 15480),

Gene: YouGoGlencoco_18 Start: 14696, Stop: 15496, Start Num: 22

Candidate Starts for YouGoGlencoco_18:

(Start: 22 @14696 has 249 MA's), (40, 14759), (52, 14816), (53, 14825), (54, 14828), (68, 14924), (74, 14960), (96, 15077), (119, 15209), (122, 15224), (127, 15245), (130, 15275), (148, 15344), (157, 15395), (162, 15416), (171, 15470), (172, 15473),

Gene: YungMoney_24 Start: 16576, Stop: 17262, Start Num: 21

Candidate Starts for YungMoney_24:

(Start: 21 @16576 has 167 MA's), (48, 16675), (74, 16846), (75, 16849), (129, 17110), (138, 17152), (147, 17197), (148, 17200),

Gene: Zagie_28 Start: 17168, Stop: 18115, Start Num: 21

Candidate Starts for Zagie_28:

(Start: 21 @17168 has 167 MA's), (32, 17192), (41, 17240), (51, 17288), (130, 17735), (131, 17738), (157, 17855), (175, 17960), (182, 18035),

Gene: Zaider_19 Start: 14929, Stop: 15729, Start Num: 22

Candidate Starts for Zaider_19:

(Start: 22 @14929 has 249 MA's), (40, 14992), (52, 15049), (53, 15058), (54, 15061), (68, 15157), (74, 15193), (96, 15310), (119, 15442), (122, 15457), (127, 15478), (130, 15508), (148, 15577), (157, 15628), (162, 15649), (171, 15703), (172, 15706),

Gene: Zelda_18 Start: 14699, Stop: 15499, Start Num: 22

Candidate Starts for Zelda_18:

(Start: 22 @14699 has 249 MA's), (40, 14762), (52, 14819), (53, 14828), (54, 14831), (68, 14927), (74, 14963), (96, 15080), (119, 15212), (122, 15227), (127, 15248), (130, 15278), (148, 15347), (157, 15398), (162, 15419), (171, 15473), (172, 15476),

Gene: Zemanar_19 Start: 16440, Stop: 17246, Start Num: 24

Candidate Starts for Zemanar_19:

(Start: 24 @16440 has 40 MA's), (40, 16503), (53, 16569), (54, 16572), (57, 16590), (71, 16683), (74, 16704), (78, 16725), (100, 16842), (102, 16860), (119, 16953), (130, 17019), (143, 17055), (148, 17088), (151, 17100), (152, 17103), (157, 17139),

Gene: Zenteno07_23 Start: 15859, Stop: 16659, Start Num: 22

Candidate Starts for Zenteno07_23:

(Start: 22 @15859 has 249 MA's), (40, 15922), (53, 15988), (54, 15991), (74, 16123), (96, 16240), (102, 16279), (148, 16507), (159, 16564),

Gene: Zhafia_31 Start: 17524, Stop: 18471, Start Num: 21

Candidate Starts for Zhafia_31:

(Start: 21 @17524 has 167 MA's), (32, 17548), (41, 17596), (51, 17644), (131, 18094), (157, 18211), (175, 18316), (182, 18391),

Gene: Zipp_24 Start: 19029, Stop: 19721, Start Num: 20

Candidate Starts for Zipp_24:

(Start: 20 @19029 has 15 MA's), (35, 19068), (38, 19083), (42, 19104), (43, 19107), (50, 19143), (92, 19398), (150, 19665),

Gene: Zitch_26 Start: 18227, Stop: 18913, Start Num: 21

Candidate Starts for Zitch_26:

(5, 18143), (7, 18170), (16, 18206), (Start: 21 @18227 has 167 MA's), (35, 18266), (38, 18281), (50, 18341), (92, 18596), (150, 18863), (156, 18899),

Gene: Zonia_18 Start: 14713, Stop: 15513, Start Num: 22

Candidate Starts for Zonia_18:

(Start: 22 @14713 has 249 MA's), (40, 14776), (52, 14833), (53, 14842), (54, 14845), (68, 14941), (74, 14977), (96, 15094), (119, 15226), (122, 15241), (127, 15262), (130, 15292), (148, 15361), (157, 15412), (171, 15487), (172, 15490),

Gene: phiAsp2_16 Start: 10966, Stop: 11655, Start Num: 21

Candidate Starts for phiAsp2_16:

(10, 10918), (Start: 21 @10966 has 167 MA's), (66, 11194), (69, 11203), (71, 11215), (75, 11239), (81, 11278), (93, 11341), (110, 11416), (117, 11443), (122, 11473), (123, 11476), (130, 11524),