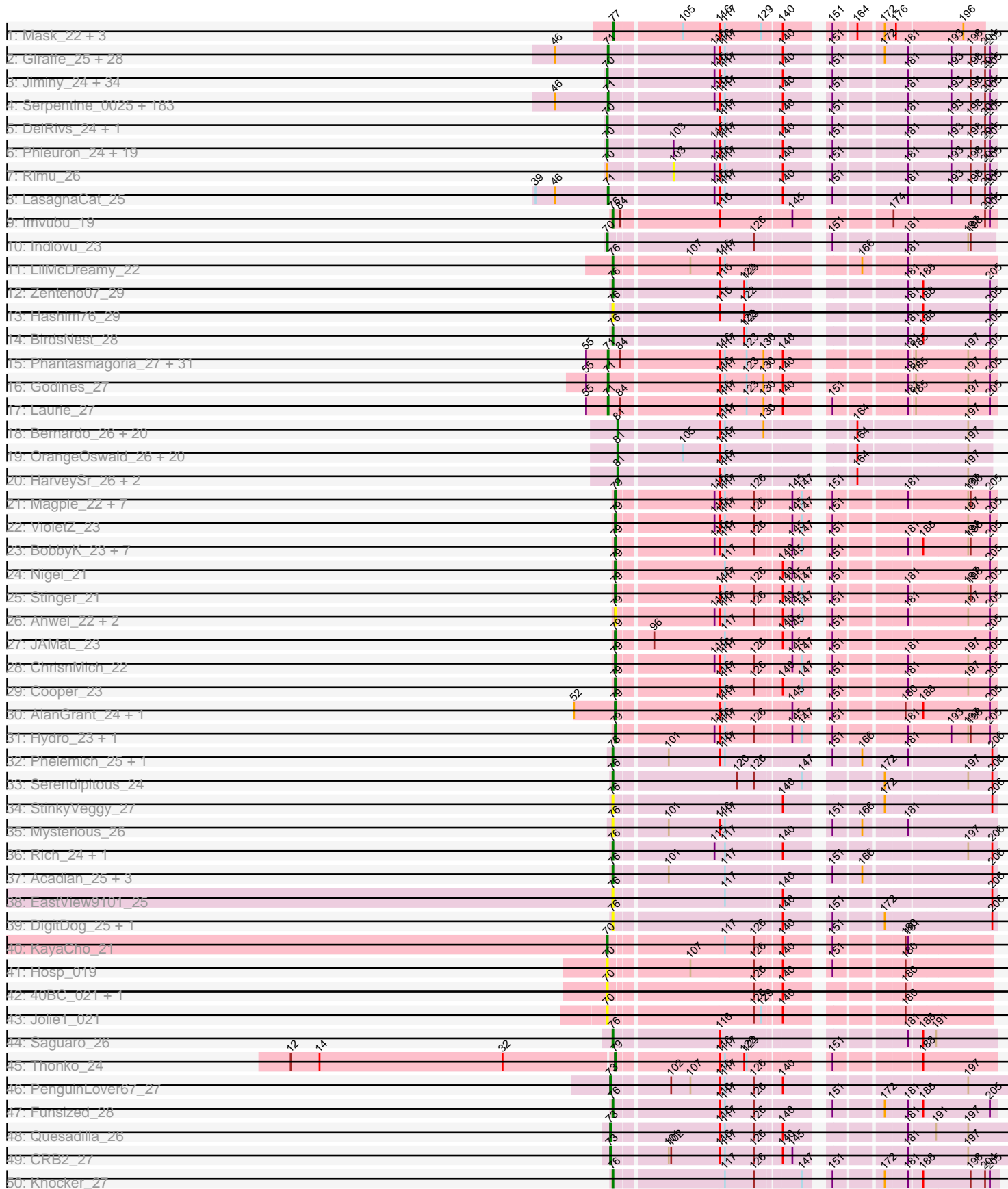
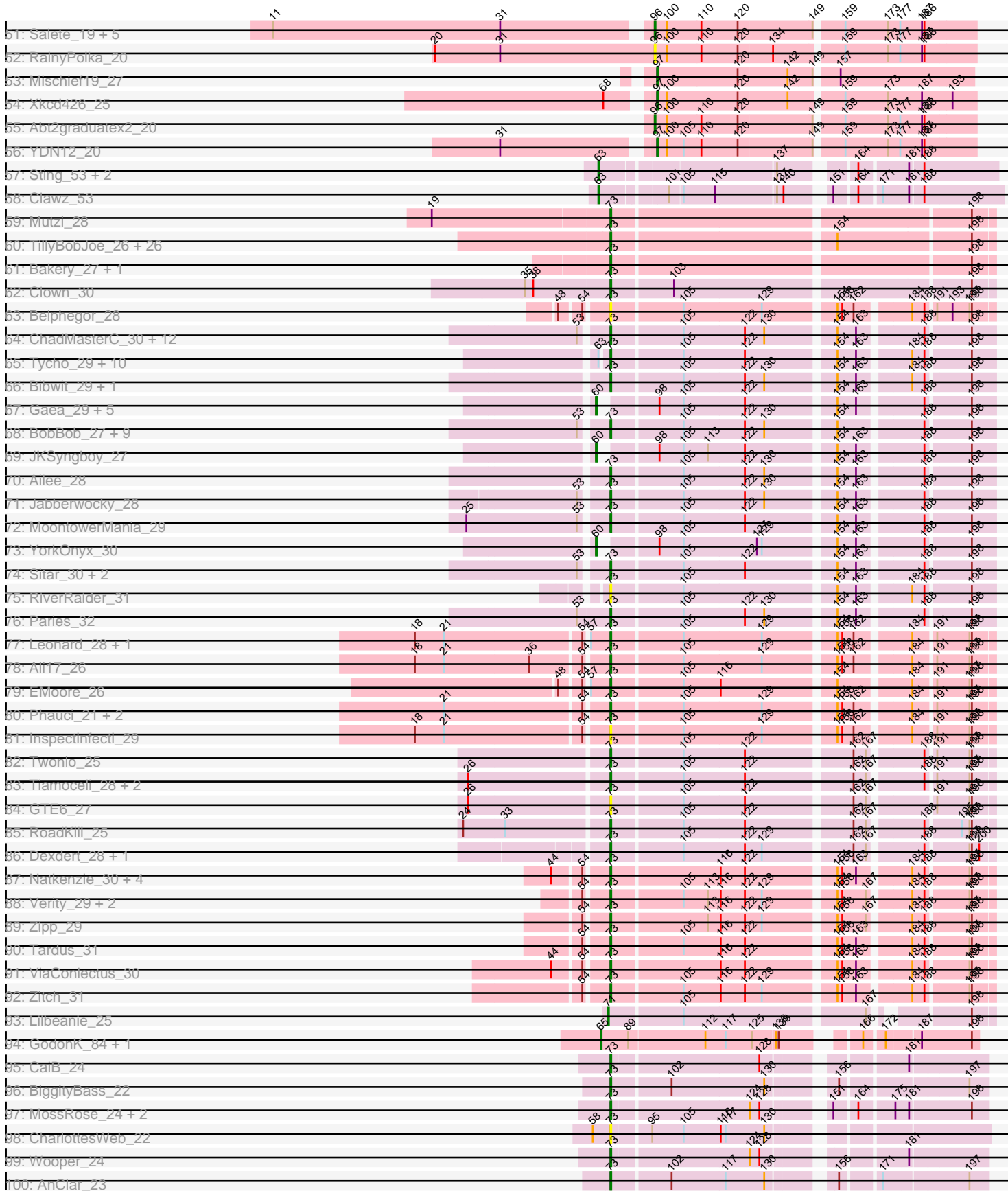


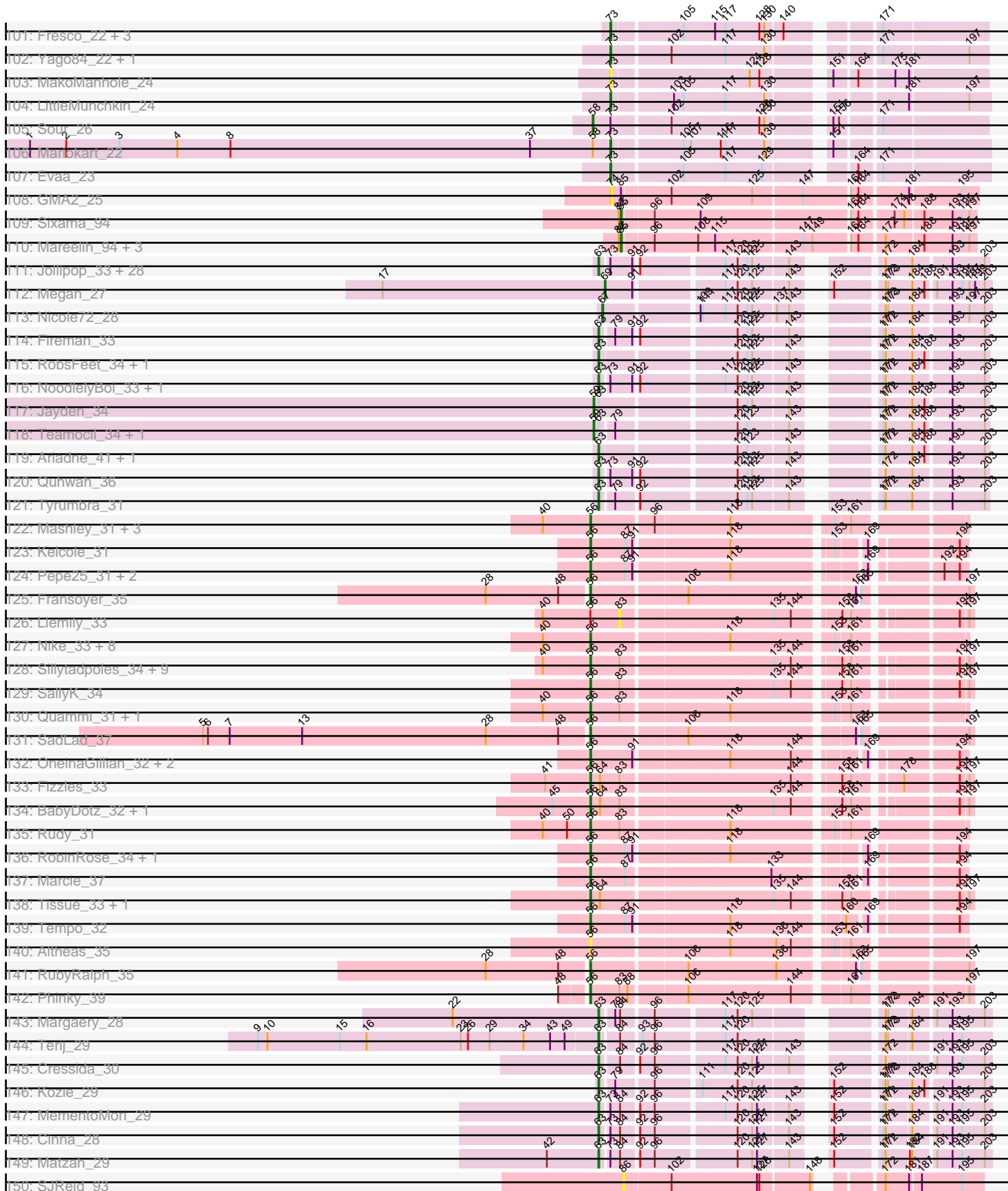
Pham 171082



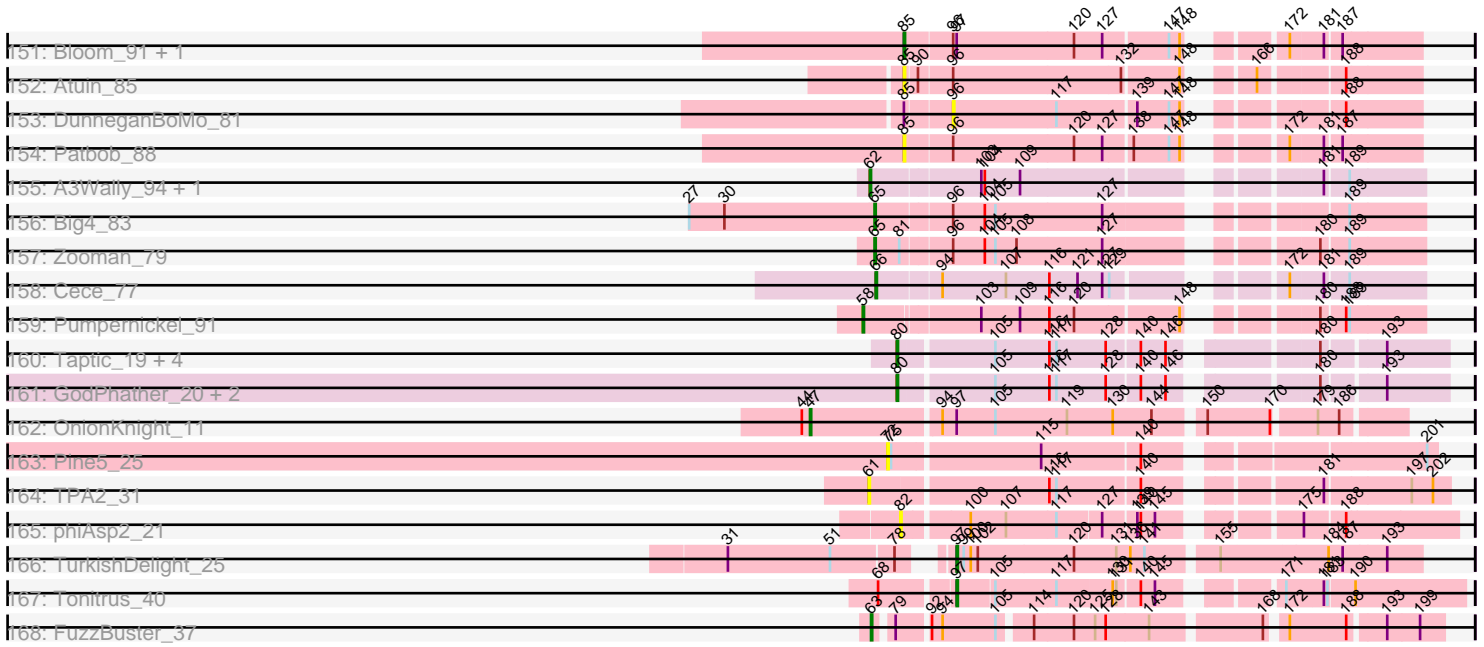
Pham 171082



Pham 171082



Pham 171082



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 171082 Report

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

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

Pham number 171082 has 697 members, 87 are drafts.

Phages represented in each track:

- Track 1 : Mask_22, Dori_22, Mao1_21, Sejanus_22
- Track 2 : Giraffe_25, Hetaeria_25, Scoot17C_25, Oosterbaan_25, Potter_24, Usavi_25, Kikipoo_25, Cosmolli16_24, Pipsqueak_25, Mana_24, LostAndPhound_24, HighStump_24, Orion_25, Megatron_25, Grand2040_24, Chorkpop_25, DoesntMatter_25, Kahve_24, LeiMonet_25, TallGrassMM_25, IsaacEli_25, MRabcd_24, Lasso_25, UAch1_25, Morty_25, FugateOSU_24, Vista_25, Placalicious_24, PG1_25
- Track 3 : Jiminy_24, DuchessDung_23, Derpp_24, MrPhizzler_24, Oline_24, Maskar_24, TyrionL_24, Zonia_25, Hocus_24, Trypo_25, Etaye_25, Doddsville_25, Duggie_24, JakeO_24, Ashraf_24, ImtiyazSitla_24, Durga_25, Swiphy_26, GeneCoco_25, Dati_25, DaddyDaniels_25, Longacauda_24, Wallhey_24, Schueller_25, Kwksand96_24, Brilliant_25, Struggle_24, Weher20_25, Vaishali24_24, JDog_24, PhatLouie_25, Melc17_25, Labeouficaum_24, CharlieGBrown_24, Pinkman_24
- Track 4 : Serpentine_0025, Haimas_25, Banjo_24, Mikota_25, Nacho_0025, Murdoc_25, Pops_25, Chunky_25, Adriana_25, Nicole21_25, Kimbrough_25, Lumine_24, Maru_24, Burr_24, Selr12_25, Inchworm_25, OliverWalter_25, Valjean_25, Matalotodo_24, KingVeVeVe_25, UncleHowie_25, Olive_25, Iridoclysis_25, Gyarad_0025, Zelda_25, EmpTee_25, Mecca_24, Eugenia_25, Mulan_24, Prickles_25, FluffyNinja_25, Thora_25, LuckyMarjie_24, Orwigg_25, Altwerkus_24, DirtJuice_25, Basato_26, Frankicide_25, Thunderbird_25, Boehler_25, KLucky39_25, Cher_24, Buckeye_25, Dione_24, Gwilliam_25, Skippy_25, SDcharge11_25, Antonia_24, Gareth_24, Megamind20_25, Newman_25, Kwadwo_24, Squid_25, Daffy_25, Cornobble_24, Freya_24, ABU_25, Numberten_25, Hamish_25, Andre_25, ThreeOh3D2_25, BlackStallion_25, Yoshand_25, Mcshane_24, Schadenfreude_24, Haleema_24, Scrick_25, MitKao_25, Swish_25, Waterdiva_25, Bishoperium_24, Mutante_24, Serendipity_25, Sigman_25, Roy17_25, Xavier_24, CheetO_25, Emiris_25, Spartan300_25, Cobra_25, Bluephacebaby_24, Dingo_25, Lulwa_25, LeeLot_25, KlimbOn_25, PhrodoBaggins_24, Suffolk_25, PinheadLarry_25, Beaglebox_24, Jillium_24, Sophia_24, Lopsy_24, Surely_25, Slatt_25, Toni_24, Mosaic_24, ProfessorX_25, Solosis_24, Virapocalypse_25, Crownjwl_25, Roliet_25, Harvey_25, Plmatters_25, Telesworld_24, SassyCat97_24, Badfish_25, Hertubise_25, QueenBeane_25,

Childish_24, Fozzie_24, Omniscient_25, MiniBoss_25, HSavage_25, Ricotta_25, Held_25, JangoPhett_25, Lego3393_25, Horchata_25, Lulumae_24, Nyala_24, Colbert_25, Phareon_25, AbsoluteMadLad_24, Inverness_25, Fang_25, YouGoGlencoco_25, Quisquiliae_25, LemonSlice_25, Charles1_25, DonSanchon_24, Legolas_24, Cannibal_25, Gophee_25, Eremos_25, Morgushi_25, Dice_26, Simielle_24, Olak_25, Carthage_23, Manad_24, Riggan_25, Puhltonio_25, Sheila_25, Mesh1_25, Samaymay_25, Timmi_24, True_24, Katniss_25, Daka_25, Squiggle_25, TomBombadil_25, AltPhacts_25, Phipps_25, Kloppinator_25, Craff_25, PhatCats2014_25, Soto_25, Zaider_26, Piglet_0024, Roscoe_26, CamL_25, HenryJackson_24, Phunky_25, Phamished_25, Fringe_25, Vaticameos_25, BlueHusk_25, Robyn_24, Orfeu_24, Podrick_25, FriarPreacher_25, Pherdinand_25, ShiVal_25, CampRoach_25, Tooj_25, RedMaple_24, Pacifista_26, JacAttac_25, Anderson_25, Aelin_24, Jiraiya_25, Tomlarah_25, Vortex_25, Vivaldi_25

- Track 5 : DelRivs_24, Soile_25
- Track 6 : Phleuron_24, BatteryCK_24, Phergie_24, Magic8_25, OSmaximus_25, Veritas_24, Coletti_24, Kailash_25, Chute_24, MelsMeow_24, Windsor_24, Keitherie_25, Virgeve_24, Mag7_24, PhrankReynolds_24, Apizium_24, PhenghisKhan_24, MichaelPhcott_24, Hartsy_25, Chaelin_24
- Track 7 : Rimu_26
- Track 8 : LasagnaCat_25
- Track 9 : Imvubu_19
- Track 10 : Indlovu_23
- Track 11 : LilMcDreamy_22
- Track 12 : Zenteno07_29
- Track 13 : Hashim76_29
- Track 14 : BirdsNest_28
- Track 15 : Phantasmagoria_27, Allegro_27, Sabella_27, LizLemon_27, Kheth_27, Faze9_27, Brownie5_27, Glass_27, Coffee_27, West99_27, Kaleb_27, TA17A_27, Calamitous_27, Opia_27, Tinciduntolum_28, Tres_27, MasterPo_27, Lars_27, Bananafish_27, Eaglehorse_27, Boyle_27, Arbiter_27, Hedgerow_27, Holeinone_27, Rosebush_27, Blocker23_27, Ares_27, Qyrzula_25, Lephleur_27, FrenchFry_27, ItsyBitsy1_27, Rhinoforte_27
- Track 16 : Godines_27
- Track 17 : Laurie_27
- Track 18 : Bernardo_26, Baloo_26, Briakila_26, Ben11_25, MmasiCarm_26, GlenHope_27, Audrey_26, Pipefish_26, Phlyer_26, Tydolla_26, SlippinJimmy_26, Marley1013_26, Heathcliff_26, Yahalom_26, Kronus_25, Halfpint_25, Gadjet_27, Gervas_26, Morty007_26, Mortcellus_25, Akoma_26
- Track 19 : OrangeOswald_26, Yinz_26, RagingRooster_26, ChaChing_26, Athena_27, Neos5_26, LestyG_26, Nozo_26, Corofin_26, Phayeta_26, Rita1961_26, Devonte_26, Obutu_26, Chandler_26, Abinghost_26, Deenasa_26, SynergyX_26, Compostia_27, Casbah_25, Philly_25, Kamiyu_26
- Track 20 : HarveySr_26, Daisy_26, RomaT_26
- Track 21 : Magpie_22, Hangman_23, Waleliano_23, BrownCNA_24, Mithril_23, JaguarMi_23, Zemanar_24, Heath_22
- Track 22 : VioletZ_23
- Track 23 : BobbyK_23, Mudslide_23, RawrgerThat_23, Frederick_23, Prince_24, Fortunato_23, Apex_23, Austelle_24
- Track 24 : Nigel_21
- Track 25 : Stinger_21
- Track 26 : Ahwei_22, Poster_22, Nanao_22
- Track 27 : JAMaL_23
- Track 28 : ChrisnMich_22

- Track 29 : Cooper_23
- Track 30 : AlanGrant_24, Vincenzo_24
- Track 31 : Hydro_23, Lolalove_23
- Track 32 : Phelemich_25, Reprobate_25
- Track 33 : Serendipitous_24
- Track 34 : StinkyVeggy_27
- Track 35 : Mysterious_26
- Track 36 : Rich_24, Bae_24
- Track 37 : Acadian_25, Donny_25, Suigeneris_25, SirJeffery_25
- Track 38 : EastView9101_25
- Track 39 : DigitDog_25, Nangang_25
- Track 40 : KayaCho_21
- Track 41 : Hosp_019
- Track 42 : 40BC_021, 39HC_021
- Track 43 : Jolie1_021
- Track 44 : Saguaro_26
- Track 45 : Thonko_24
- Track 46 : PenguinLover67_27
- Track 47 : Funsized_28
- Track 48 : Quesadilla_26
- Track 49 : CRB2_27
- Track 50 : Knocker_27
- Track 51 : Salet_19, Asis_19, BayC_19, BabyGotBac_19, Maih_19, TP1604_19
- Track 52 : RainyPolka_20
- Track 53 : Mischief19_27
- Track 54 : Xkcd426_25
- Track 55 : Abt2graduatex2_20
- Track 56 : YDN12_20
- Track 57 : Sting_53, DonTron_53, Soos_49
- Track 58 : Clawz_53
- Track 59 : Mutzi_28
- Track 60 : TillyBobJoe_26, Halo3_27, ClamChowder_28, PinkCoffee_28, KimmyK_28, Fugax_28, Salvador_26, Twister6_28, Arri_29, VanDeWege_29, Valary_29, Togo_26, Danyall_28, Jambalaya_26, RogerDodger_29, Portcullis_26, Evamon_26, Phlop_26, Savbucketdawg_26, Wizard_26, Gezellig_27, PullumCavea_26, Nubi_26, Shinji_26, SmokingBunny_26, Fireball_27, Barb_28
- Track 61 : Bakery_27, YungMoney_28
- Track 62 : Clown_30
- Track 63 : Belphegor_28
- Track 64 : ChadMasterC_30, Sanjuju_28, Shivanishola_31, Keitabear_30, Barsten_30, Stultus_28, Charming_30, Kamashten_29, Affeca_28, Kewpiedoll_29, Angelicage_28, Vivi2_32, Thing3_29
- Track 65 : Tycho_29, Baumdotcom_29, Ashertheman_30, Tangerine_29, Gustavo_29, LilHam_27, SchottB_28, Saronaya_29, StorminNorm_29, Kroos_30, Kwobi_30
- Track 66 : Bibwit_29, Sedona_30
- Track 67 : Gaea_29, Derg_27, Ribeye_30, Bizzy_30, Flatwoods_30, Baddon_29
- Track 68 : BobBob_27, Nordenberg_24, Brandonk123_31, Fosterous_28, McKinley_32, Tangent_30, Rofo_30, Geodirt_27, Love_33, Galadriel_30
- Track 69 : JKSyngboy_27
- Track 70 : Ailee_28
- Track 71 : Jabberwocky_28
- Track 72 : MoontowerMania_29

- Track 73 : YorkOnyx_30
- Track 74 : Sitar_30, Lennon_30, Fitzgerald_28
- Track 75 : RiverRaider_31
- Track 76 : Paries_32
- Track 77 : Leonard_28, Phinally_28
- Track 78 : Ali17_26
- Track 79 : EMOore_26
- Track 80 : Phauci_21, MelBins_29, Hans_30
- Track 81 : Inspectinfecti_29
- Track 82 : Twonlo_25
- Track 83 : Tiamoceli_28, EdmundFerry_26, Chickadee_27
- Track 84 : GTE6_27
- Track 85 : RoadKill_25
- Track 86 : Dextert_28, Kwekel_27
- Track 87 : Natkenzie_30, Sampson_30, Scioto_30, Abblin_30, APunk_31
- Track 88 : Verity_29, Delrey21_29, DoctorFroggo_29
- Track 89 : Zipp_29
- Track 90 : Tardus_31
- Track 91 : ViaConlectus_30
- Track 92 : Zitch_31
- Track 93 : Lilbeanie_25
- Track 94 : GodonK_84, Phendrix_82
- Track 95 : CaiB_24
- Track 96 : BiggityBass_22
- Track 97 : MossRose_24, CloverMinnie_24, AnarQue_24
- Track 98 : CharlottesWeb_22
- Track 99 : Wooper_24
- Track 100 : AnClar_23
- Track 101 : Fresco_22, Axumite_22, Shatter_22, Ligma_22
- Track 102 : Yago84_22, Sisko_22
- Track 103 : MakoManhole_24
- Track 104 : LittleMunchkin_24
- Track 105 : Sour_26
- Track 106 : Mariokart_22
- Track 107 : Evaa_23
- Track 108 : GMA2_25
- Track 109 : Sixama_94
- Track 110 : Mareelih_94, BlueNGold_95, Forza_96, Boopy_96
- Track 111 : Jollipop_33, Busephilis_32, Pulchra_34, Honeyfin_34, EarickHC_33, Scumberland_34, Antares_33, Phorgeous_32, Jefe_33, Ramiel05_32, KaiHaiDragon_33, Onika_32, Phrancesco_33, Savannah_32, Hermeonysus_32, PiperSansNom_33, Selwyn23_34, Cranjis_34, CrazyRich_32, Crisis_34, PierreOrion_33, Shotgun_32, LittleFortune_34, Yeti_33, Kowalski_32, Paschalis_32, Ganandorf_32, BrazzalePHS_32, Piperis_33
- Track 112 : Megan_27
- Track 113 : Nicole72_28
- Track 114 : Fireman_33
- Track 115 : RobsFeet_34, Metamorphoo_33
- Track 116 : NoodlelyBoi_33, ClearAsMud_35
- Track 117 : Jayden_34
- Track 118 : Teamocil_34, Gina_34
- Track 119 : Ariadne_41, Smarties_41
- Track 120 : Quhwah_36

- Track 121 : Tyrumbra_31
- Track 122 : Mashley_31, Gazebo_32, Blab_31, AluminumJesus_31
- Track 123 : Kelcole_31
- Track 124 : Pepe25_31, BirdInFrench_32, Wilca_32
- Track 125 : Fransoyer_35
- Track 126 : Llemily_33
- Track 127 : Nike_33, Zagie_33, Hyperion_32, Grassboy_34, Squash_35, StrawberryJamm_35, Kyva_35, Namago_33, Rowlf_29
- Track 128 : Sillytadpoles_34, Phabia_33, Jehoshaphat_35, Teehee_34, Lonelysoil_32, Zhafia_36, Wheelie_32, DonaldDuck_33, Casend_34, Wayne3_34
- Track 129 : SallyK_34
- Track 130 : Quammi_31, Viceroy_32
- Track 131 : SadLad_37
- Track 132 : OneinaGillian_32, Fregley_33, CandC_31
- Track 133 : Fizzles_33
- Track 134 : BabyDotz_32, Statler_35
- Track 135 : Rudy_31
- Track 136 : RobinRose_34, Romm_34
- Track 137 : Marcie_37
- Track 138 : Tissue_33, Judebell_35
- Track 139 : Tempo_32
- Track 140 : Altheas_35
- Track 141 : RubyRalph_35
- Track 142 : Phinky_39
- Track 143 : Margaery_28
- Track 144 : Terij_29
- Track 145 : Cressida_30
- Track 146 : Kozie_29
- Track 147 : MementoMori_29
- Track 148 : Cinna_28
- Track 149 : Matzah_29
- Track 150 : SJReid_93
- Track 151 : Bloom_91, Racecar_88
- Track 152 : Atuin_85
- Track 153 : DunneganBoMo_81
- Track 154 : Patbob_88
- Track 155 : A3Wally_94, PauloDiaboli_94
- Track 156 : Big4_83
- Track 157 : Zooman_79
- Track 158 : Cece_77
- Track 159 : Pumpernickel_91
- Track 160 : Taptic_19, PR_19, Cepens_19, D12_19, Megabear_19
- Track 161 : GodPhather_20, Argie_20, Jeon_19
- Track 162 : OnionKnight_11
- Track 163 : Pine5_25
- Track 164 : TPA2_31
- Track 165 : phiAsp2_21
- Track 166 : TurkishDelight_25
- Track 167 : Tonitrus_40
- Track 168 : FuzzBuster_37

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

The start number called the most often in the published annotations is 71, it was called in 232 of the 610 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_25, AbsoluteMadLad_24, Adriana_25, Aelin_24, Allegro_27, AltPhacts_25, Altwerkus_24, Anderson_25, Andre_25, Antonia_24, Arbiter_27, Ares_27, Badfish_25, Bananafish_27, Banjo_24, Basato_26, Beaglebox_24, Bishoperium_24, BlackStallion_25, Blocker23_27, BlueHusk_25, Bluephacebaby_24, Boehler_25, Boyle_27, Brownie5_27, Buckeye_25, Burr_24, Calamitous_27, CamL_25, CampRoach_25, Cannibal_25, Carthage_23, Charles1_25, CheetO_25, Cher_24, Childish_24, Chorkpop_25, Chunky_25, Cobra_25, Coffee_27, Colbert_25, Cornobble_24, Cosmolli16_24, Craff_25, Crownjwl_25, Daffy_25, Daka_25, Dice_26, Dingo_25, Dione_24, DirtJuice_25, DoesntMatter_25, DonSanchon_24, Eaglehorse_27, Emiris_25, EmpTee_25, Eremos_25, Eugenia_25, Fang_25, Faze9_27, FluffyNinja_25, Fozzie_24, Frankicide_25, FrenchFry_27, Freya_24, FriarPreacher_25, Fringe_25, FugateOSU_24, Gareth_24, Giraffe_25, Glass_27, Godines_27, Gophee_25, Grand2040_24, Gwilliam_25, Gyarad_0025, HSavage_25, Haimas_25, Haleema_24, Hamish_25, Harvey_25, Hedgerow_27, Held_25, HenryJackson_24, Hertubise_25, Hetaeria_25, HighStump_24, Holeinone_27, Horchata_25, Inchworm_25, Inverness_25, Iridoclysis_25, IsaacEli_25, ItsyBitsy1_27, JacAttac_25, JangoPhett_25, Jillium_24, Jiraiya_25, KLucky39_25, Kahve_24, Kaleb_27, Katniss_25, Kheth_27, Kikipoo_25, Kimbrough_25, KingVeVeVe_25, KlimbOn_25, Kloppinator_25, Kwadwo_24, Lars_27, LasagnaCat_25, Lasso_25, Laurie_27, LeeLot_25, Lego3393_25, Legolas_24, LeiMonet_25, LemonSlice_25, Lephleur_27, Lilbeanie_25, LizLemon_27, Lopsy_24, LostAndPhound_24, LuckyMarjie_24, Lulumae_24, Lulwa_25, Lumine_24, MRabcd_24, Mana_24, Manad_24, Maru_24, MasterPo_27, Matalotodo_24, Mcshane_24, Mecca_24, Megamind20_25, Megatron_25, Mesh1_25, Mikota_25, MiniBoss_25, MitKao_25, Morgushi_25, Morty_25, Mosaic_24, Mulan_24, Murdoc_25, Mutante_24, Nacho_0025, Newman_25, Nicole21_25, Numberten_25, Nyala_24, Olak_25, Olive_25, OliverWalter_25, Omniscient_25, Oosterbaan_25, Opia_27, Orfeu_24, Orion_25, Orwigg_25, PG1_25, Pacifista_26, Phamished_25, Phantasmagoria_27, Phareon_25, PhatCats2014_25, Pherdinand_25, Phipps_25, PhrodoBaggins_24, Phunky_25, Piglet_0024, PinheadLarry_25, Pipsqueak_25, Placalicious_24, Plmatters_25, Podrick_25, Pops_25, Potter_24, Prickles_25, ProfessorX_25, Puhltonio_25, QueenBeane_25, Quisquilliae_25, Qyrzula_25, RedMaple_24, Rhinoforte_27, Ricotta_25, Riggan_25, Robyn_24, Roliet_25, Roscoe_26, Rosebush_27, Roy17_25, SDcharge11_25, Sabella_27, Samaymay_25, SassyCat97_24, Schadenfreude_24, Scoot17C_25, Scrick_25, Selr12_25, Serendipity_25, Serpentine_0025, Sheila_25, ShiVal_25, Sigman_25, Simielle_24, Skippy_25, Slatt_25, Solosis_24, Sophia_24, Soto_25, Spartan300_25, Squid_25, Squiggle_25, Suffolk_25, Surely_25, Swish_25, TA17A_27, TallGrassMM_25, Telesworld_24, Thora_25, ThreeOh3D2_25, Thunderbird_25, Timmi_24, Tinciduntolum_28, TomBombadil_25, Tomlarah_25, Toni_24, Tooj_25, Tres_27, True_24, UAch1_25, UncleHowie_25, Usavi_25, Valjean_25, Vaticameos_25, Virapocalypse_25, Vista_25, Vivaldi_25, Vortex_25, Waterdiva_25, West99_27, Xavier_24, Yoshand_25, YouGoGlencoco_25, Zaider_26, Zelda_25,

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

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

• 39HC_021, 40BC_021, A3Wally_94, APunk_31, Abblin_30, Abinghost_26, Abt2graduatex2_20, Acadian_25, Affeca_28, Ahwei_22, Ailee_28, Akoma_26, AlanGrant_24, Ali17_26, Altheas_35, AluminumJesus_31, AnClar_23, AnarQue_24, Angelicage_28, Antares_33, Apex_23, Apizium_24, Argie_20, Ariadne_41, Arri_29, Ashertheman_30, Ashraf_24, Asis_19, Athena_27, Atuin_85, Audrey_26, Austelle_24, Axumite_22, BabyDotz_32, BabyGotBac_19, Baddon_29, Bae_24, Bakery_27, Baloo_26, Barb_28, Barsten_30, BatteryCK_24, Baumdotcom_29, BayC_19, Belphegor_28, Ben11_25, Bernardo_26, Bibwit_29, Big4_83, BiggityBass_22, BirdInFrench_32, BirdsNest_28, Bizzy_30, Blab_31, Bloom_91, BlueNGold_95, BobBob_27, BobbyK_23, Boopy_96, Brandonk123_31, BrazzalePHS_32, Briakila_26, Brilliant_25, BrownCNA_24, Busephilis_32, CRB2_27, CaiB_24, CandC_31, Casbah_25, Casend_34, Cece_77, Cepens_19, ChaChing_26, ChadMasterC_30, Chaelin_24, Chandler_26, CharlieGBrown_24, CharlottesWeb_22, Charming_30, Chickadee_27, ChrisnMich_22, Chute_24, Cinna_28, ClamChowder_28, Clawz_53, ClearAsMud_35, CloverMinnie_24, Clown_30, Coletti_24, Compostia_27, Cooper_23, Corofin_26, Cranjis_34, CrazyRich_32, Cressida_30, Crisis_34, D12_19, DaddyDaniels_25, Daisy_26, Danyall_28, Dati_25, Deenasa_26, DelRivs_24, Delrey21_29, Derg_27, Derpp_24, Devonte_26, Dextert_28, DigitDog_25, DoctorFroggo_29, Doddsville_25, DonTron_53, DonaldDuck_33, Donny_25, Dori_22, DuchessDung_23, Duggie_24, DunneganBoMo_81, Durga_25, EMoore_26, EarickHC_33, EastView9101_25, EdmundFerry_26, Etaye_25, Evaa_23, Evamon_26, Fireball_27, Fireman_33, Fitzgerald_28, Fizzles_33, Flatwoods_30, Fortunato_23, Forza_96, Fosterous_28, Fransoyer_35, Frederick_23, Fregley_33, Fresco_22, Fugax_28, Funsized_28, FuzzBuster_37, GMA2_25, GTE6_27, Gadget_27, Gaea_29, Galadriel_30, Ganandorf_32, Gazebo_32, GeneCoco_25, Geodirt_27, Gervas_26, Gezellig_27, Gina_34, GlenHope_27, GodPhather_20, GodonK_84, Grassboy_34, Gustavo_29, Halfpint_25, Halo3_27, Hangman_23, Hans_30, Hartsy_25, HarveySr_26, Hashim76_29, Heath_22, Heathcliff_26, Hermeonysus_32, Hocus_24, Honeyfin_34, Hosp_019, Hydro_23, Hyperion_32, ImtiyazSitla_24, Imvubu_19, Indlovu_23, Inspectinfecti_29, JAMaL_23, JDog_24, JKSyngboy_27, Jabberwocky_28, JaguarMi_23, JakeO_24, Jambalaya_26, Jayden_34, Jefe_33, Jehoshaphat_35, Jeon_19, Jiminy_24, Jolie1_021, Jollipop_33, Judebell_35, KaiHaiDragon_33, Kailash_25, Kamashten_29, Kamiyu_26, KayaCho_21, Keitabear_30, Keitherie_25, Kelcole_31, Kewpiedoll_29, KimmyK_28, Knocker_27, Kowalski_32, Kozi_29, Kronus_25, Kroos_30, Kwekel_27, Kwksand96_24, Kwobi_30, Kyva_35, Labeouficaum_24, Lennon_30, Leonard_28, LestyG_26, Ligma_22, LilHam_27, LilMcDreamy_22, LittleFortune_34, LittleMunchkin_24, Llemily_33, Lolalove_23, Lonelysoil_32, Longacauda_24, Love_33, Mag7_24, Magic8_25, Magpie_22, Maih_19, MakoManhole_24, Mao1_21, Marcie_37, Mareelih_94, Margaery_28, Mariokart_22, Marley1013_26, Mashley_31, Mask_22, Maskar_24, Matzah_29, McKinley_32, Megabear_19, Megan_27, MelBins_29, Melc17_25, MelsMeow_24, MementoMori_29, Metamorphoo_33, MichaelPhcott_24, Mischief19_27, Mithril_23, MmasiCarm_26, MoontowerMania_29, Mortcellus_25, Morty007_26, MossRose_24, MrPhizzler_24, Mudslide_23, Mutzi_28, Mysterious_26, Namago_33, Nanao_22, Nangang_25, Natkenzie_30, Neos5_26, Nicole72_28, Nigel_21, Nike_33, NoodlelyBoi_33, Nordenberg_24, Nozo_26, Nubi_26, OSmaximus_25, Obutu_26, Oline_24, OneinaGillian_32, Onika_32, OnionKnight_11, OrangeOswald_26, PR_19, Paries_32, Paschalis_32, Patbob_88, PauloDiaboli_94, PenguinLover67_27, Pepe25_31, Phabia_33, PhatLouie_25, Phauci_21, Phayeta_26, Phelemich_25, Phendrix_82, PhenghisKhan_24, Phergie_24, Philly_25, Phinally_28, Phinky_39,

Phleuron_24, Phlop_26, Phlyer_26, Phorgeous_32, Phrancesco_33, PhrankReynolds_24, PierreOrion_33, Pine5_25, PinkCoffee_28, Pinkman_24, Pipefish_26, PiperSansNom_33, Piperis_33, Portcullis_26, Poster_22, Prince_24, Pulchra_34, PullumCavea_26, Pumpernickel_91, Quammi_31, Quesadilla_26, Quhwah_36, Racecar_88, RagingRooster_26, RainyPolka_20, Ramiel05_32, RawrgerThat_23, Reprobate_25, Ribeye_30, Rich_24, Rimu_26, Rita1961_26, RiverRaider_31, RoadKill_25, RobinRose_34, RobsFeet_34, Rofo_30, RogerDodger_29, RomaT_26, Romm_34, Rowlf_29, RubyRalph_35, Rudy_31, SJReid_93, SadLad_37, Saguaro_26, Salete_19, SallyK_34, Salvador_26, Sampson_30, Sanjuju_28, Saronaya_29, Savannah_32, Savbucketdawg_26, SchottB_28, Schueller_25, Scioto_30, Scumberland_34, Sedona_30, Sejanus_22, Selwyn23_34, Serendipitous_24, Shatter_22, Shinji_26, Shivanishola_31, Shotgun_32, Sillytadpoles_34, SirJeffery_25, Sisko_22, Sitar_30, Sixama_94, SlippinJimmy_26, Smarties_41, SmokingBunny_26, Soile_25, Soos_49, Sour_26, Squash_35, Statler_35, Sting_53, Stinger_21, StinkyVeggy_27, StorminNorm_29, StrawberryJamm_35, Struggle_24, Stultus_28, Suigeneris_25, Swiphy_26, SynergyX_26, TP1604_19, TPA2_31, Tangent_30, Tangerine_29, Taptic_19, Tardus_31, Teamocil_34, Teehee_34, Tempo_32, Terij_29, Thing3_29, Thonko_24, Tiamoceli_28, TillyBobJoe_26, Tissue_33, Togo_26, Tonitrus_40, Trypo_25, TurkishDelight_25, Twister6_28, Twonlo_25, Tycho_29, Tydolla_26, TyrionL_24, Tyumbra_31, Vaishali24_24, Valary_29, VanDeWege_29, Veritas_24, Verity_29, ViaConlectus_30, Viceroy_32, Vincenzo_24, VioletZ_23, Virgeve_24, Vivi2_32, Waleliano_23, Wallhey_24, Wayne3_34, Weher20_25, Wheelie_32, Wilca_32, Windsor_24, Wizard_26, Wooper_24, Xkcd426_25, YDN12_20, Yago84_22, Yahalom_26, Yeti_33, Yinz_26, YorkOnyx_30, YungMoney_28, Zagie_33, Zemanar_24, Zenteno07_29, Zhafia_36, Zipp_29, Zitch_31, Zonia_25, Zooman_79, phiAsp2_21,

Summary by start number:

Start 47:

- Found in 1 of 697 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OnionKnight_11 (singleton),

Start 56:

- Found in 49 of 697 (7.0%) of genes in pham
- Manual Annotations of this start: 38 of 610
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Altheas_35 (EG), AluminumJesus_31 (EG), BabyDotz_32 (EG), BirdInFrench_32 (EG), Blab_31 (EG), CandC_31 (EG), Casend_34 (EG), DonaldDuck_33 (EG), Fizzles_33 (EG), Fransoyer_35 (EG), Fregley_33 (EG), Gazebo_32 (EG), Grassboy_34 (EG), Hyperion_32 (EG), Jehoshaphat_35 (EG), Judebell_35 (EG), Kelcole_31 (EG), Kyva_35 (EG), Lonelysoil_32 (EG), Marcie_37 (EG), Mashley_31 (EG), Namago_33 (EG), Nike_33 (EG), OneinaGillian_32 (EG), Pepe25_31 (EG), Phabia_33 (EG), Phinky_39 (EG), Quammi_31 (EG), RobinRose_34 (EG), Romm_34 (EG), Rowlf_29 (EG), RubyRalph_35 (EG), Rudy_31 (EG), SadLad_37 (EG), SallyK_34 (EG), Sillytadpoles_34 (EG), Squash_35 (EG), Statler_35 (EG), StrawberryJamm_35 (EG), Teehee_34 (EG), Tempo_32 (EG), Tissue_33 (EG), Viceroy_32 (EG), Wayne3_34 (EG), Wheelie_32 (EG), Wilca_32 (EG), Zagie_33 (EG), Zhafia_36 (EG),

Start 58:

- Found in 4 of 697 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 610
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Pumpernickel_91 (GD4), Sour_26 (DR),

Start 59:

- Found in 3 of 697 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gina_34 (EC), Jayden_34 (EC), Teamocil_34 (EC),

Start 60:

- Found in 8 of 697 (1.1%) of genes in pham
- Manual Annotations of this start: 7 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Baddon_29 (DE1), Bizzy_30 (DE1), Derg_27 (DE1), Flatwoods_30 (DE1), Gaea_29 (DE1), JKSyngboy_27 (DE1), Ribeye_30 (DE1), YorkOnyx_30 (DE1),

Start 61:

- Found in 1 of 697 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA2_31 (singleton),

Start 62:

- Found in 2 of 697 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_94 (GD1), PauloDiaboli_94 (GD1),

Start 63:

- Found in 64 of 697 (9.2%) of genes in pham
- Manual Annotations of this start: 46 of 610
- Called 78.1% of time when present
- Phage (with cluster) where this start called: Antares_33 (EC), Ariadne_41 (EC), BrazzalePHS_32 (EC), Busephilis_32 (EC), Cinna_28 (EI), Clawz_53 (CP), ClearAsMud_35 (EC), Cranjis_34 (EC), CrazyRich_32 (EC), Cressida_30 (EI), Crisis_34 (EC), DonTron_53 (CP), EarickHC_33 (EC), Fireman_33 (EC), FuzzBuster_37 (singleton), Ganandorf_32 (EC), Hermeonysus_32 (EC), Honeyfin_34 (EC), Jefe_33 (EC), Jollipop_33 (EC), KaiHaiDragon_33 (EC), Kowalski_32 (EC), Kozie_29 (EI), LittleFortune_34 (EC), Margaery_28 (EI), Matzah_29 (EI), MementoMori_29 (EI), Metamorphoo_33 (EC), NoodlelyBoi_33 (EC), Onika_32 (EC), Paschalis_32 (EC), Phorgeous_32 (EC), Phrancesco_33 (EC), PierreOrion_33 (EC), PiperSansNom_33 (EC), Piperis_33 (EC), Pulchra_34 (EC), Quhwah_36 (EC), Ramiel05_32 (EC), RobsFeet_34 (EC), Savannah_32 (EC), Scumberland_34 (EC), Selwyn23_34 (EC), Shotgun_32 (EC), Smarties_41 (EC), Soos_49 (CP), Sting_53 (CP), Terij_29 (EI), Tyrumbra_31 (EC), Yeti_33 (EC),

Start 65:

- Found in 4 of 697 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_83 (GD2), GodonK_84 (DK), Phendrix_82 (DK), Zooman_79 (GD2),

Start 66:

- Found in 1 of 697 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cece_77 (GD3),

Start 67:

- Found in 1 of 697 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nicole72_28 (EC),

Start 69:

- Found in 1 of 697 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Megan_27 (EC),

Start 70:

- Found in 64 of 697 (9.2%) of genes in pham
- Manual Annotations of this start: 54 of 610
- Called 98.4% of time when present
- Phage (with cluster) where this start called: 39HC_021 (B6), 40BC_021 (B6), Apizium_24 (B1), Ashraf_24 (B1), BatteryCK_24 (B1), Brilliant_25 (B1), Chaelin_24 (B1), CharlieGBrown_24 (B1), Chute_24 (B1), Coletti_24 (B1), DaddyDaniels_25 (B1), Dati_25 (B1), DelRivs_24 (B1), Derpp_24 (B1), Doddsville_25 (B1), DuchessDung_23 (B1), Duggie_24 (B1), Durga_25 (B1), Etaye_25 (B1), GeneCoco_25 (B1), Hartsy_25 (B1), Hocus_24 (B1), Hosp_019 (B6), ImtiyazSitla_24 (B1), Indlovu_23 (B11), JDog_24 (B1), JakeO_24 (B1), Jiminy_24 (B1), Jolie1_021 (B6), Kailash_25 (B1), KayaCho_21 (B6), Keitherie_25 (B1), Kwksand96_24 (B1), Labeouficaum_24 (B1), Longacauda_24 (B1), Mag7_24 (B1), Magic8_25 (B1), Maskar_24 (B1), Melc17_25 (B1), MelsMeow_24 (B1), MichaelPhcott_24 (B1), MrPhizzler_24 (B1), OSmaximus_25 (B1), Oline_24 (B1), PhatLouie_25 (B1), PhenghisKhan_24 (B1), Phergie_24 (B1), Phleuron_24 (B1), PhrankReynolds_24 (B1), Pinkman_24 (B1), Schueller_25 (B1), Soile_25 (B1), Struggle_24 (B1), Swiphy_26 (B1), Trypo_25 (B1), TyrionL_24 (B1), Vaishali24_24 (B1), Veritas_24 (B1), Virgeve_24 (B1), Wallhey_24 (B1), Weher20_25 (B1), Windsor_24 (B1), Zonia_25 (B1),

Start 71:

- Found in 249 of 697 (35.7%) of genes in pham
- Manual Annotations of this start: 232 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ABU_25 (B1), AbsoluteMadLad_24 (B1), Adriana_25 (B1), Aelin_24 (B1), Allegro_27 (B2), AltPhacts_25 (B1), Altwerkus_24 (B1), Anderson_25 (B1), Andre_25 (B1), Antonia_24 (B1), Arbiter_27 (B2), Ares_27 (B2), Badfish_25 (B1), Bananafish_27 (B2), Banjo_24 (B1), Basato_26

(B1), Beaglebox_24 (B1), Bishoperium_24 (B1), BlackStallion_25 (B1), Blocker23_27 (B2), BlueHusk_25 (B1), Bluephacebaby_24 (B1), Boehler_25 (B1), Boyle_27 (B2), Brownie5_27 (B2), Buckeye_25 (B1), Burr_24 (B1), Calamitous_27 (B2), CamL_25 (B1), CampRoach_25 (B1), Cannibal_25 (B1), Carthage_23 (B1), Charles1_25 (B1), CheetO_25 (B1), Cher_24 (B1), Childish_24 (B1), Chorkpop_25 (B1), Chunky_25 (B1), Cobra_25 (B1), Coffee_27 (B2), Colbert_25 (B1), Cornobble_24 (B1), Cosmolli16_24 (B1), Craff_25 (B1), Crownjwl_25 (B1), Daffy_25 (B1), Daka_25 (B1), Dice_26 (B1), Dingo_25 (B1), Dione_24 (B1), DirtJuice_25 (B1), DoesntMatter_25 (B1), DonSanchon_24 (B1), Eaglehorse_27 (B2), Emiris_25 (B1), EmpTee_25 (B1), Eremos_25 (B1), Eugenia_25 (B1), Fang_25 (B1), Faze9_27 (B2), FluffyNinja_25 (B1), Fozzie_24 (B1), Frankicide_25 (B1), FrenchFry_27 (B2), Freya_24 (B1), FriarPreacher_25 (B1), Fringe_25 (B1), FugateOSU_24 (B1), Gareth_24 (B1), Giraffe_25 (B1), Glass_27 (B2), Godines_27 (B2), Gophee_25 (B1), Grand2040_24 (B1), Gwilliam_25 (B1), Gyarad_0025 (B1), HSavage_25 (B1), Haimas_25 (B1), Haleema_24 (B1), Hamish_25 (B1), Harvey_25 (B1), Hedgerow_27 (B2), Held_25 (B1), HenryJackson_24 (B1), Hertubise_25 (B1), Hetaeria_25 (B1), HighStump_24 (B1), Holeinone_27 (B2), Horchata_25 (B1), Inchworm_25 (B1), Inverness_25 (B1), Iridoclysis_25 (B1), IsaacEli_25 (B1), ItsyBitsy1_27 (B2), JacAttac_25 (B1), JangoPhett_25 (B1), Jillium_24 (B1), Jiraiya_25 (B1), KLucky39_25 (B1), Kahve_24 (B1), Kaleb_27 (B2), Katniss_25 (B1), Kheth_27 (B2), Kikipoo_25 (B1), Kimbrough_25 (B1), KingVeVeVe_25 (B1), KlimbOn_25 (B1), Kloppinator_25 (B1), Kwadwo_24 (B1), Lars_27 (B2), LasagnaCat_25 (B1), Lasso_25 (B1), Laurie_27 (B2), LeeLot_25 (B1), Lego3393_25 (B1), Legolas_24 (B1), LeiMonet_25 (B1), LemonSlice_25 (B1), Lephleur_27 (B2), Lilbeanie_25 (DE5), LizLemon_27 (B2), Lopsy_24 (B1), LostAndPhound_24 (B1), LuckyMarjie_24 (B1), Lulumae_24 (B1), Lulwa_25 (B1), Lumine_24 (B1), MRabcd_24 (B1), Mana_24 (B1), Manad_24 (B1), Maru_24 (B1), MasterPo_27 (B2), Matalotodo_24 (B1), Mcshane_24 (B1), Mecca_24 (B1), Megamind20_25 (B1), Megatron_25 (B1), Mesh1_25 (B1), Mikota_25 (B1), MiniBoss_25 (B1), MitKao_25 (B1), Morgushi_25 (B1), Morty_25 (B1), Mosaic_24 (B1), Mulan_24 (B1), Murdoc_25 (B1), Mutante_24 (B1), Nacho_0025 (B1), Newman_25 (B1), Nicole21_25 (B1), Numberten_25 (B1), Nyala_24 (B1), Olak_25 (B1), Olive_25 (B1), OliverWalter_25 (B1), Omniscient_25 (B1), Oosterbaan_25 (B1), Opia_27 (B2), Orfeu_24 (B1), Orion_25 (B1), Orwigg_25 (B1), PG1_25 (B1), Pacifista_26 (B1), Phamished_25 (B1), Phantasmagoria_27 (B2), Phareon_25 (B1), PhatCats2014_25 (B1), Pherdinand_25 (B1), Phipps_25 (B1), PhrodoBaggins_24 (B1), Phunky_25 (B1), Piglet_0024 (B1), PinheadLarry_25 (B1), Pipsqueak_25 (B1), Placalicious_24 (B1), Plmatters_25 (B1), Podrick_25 (B1), Pops_25 (B1), Potter_24 (B1), Prickles_25 (B1), ProfessorX_25 (B1), Puhltonio_25 (B1), QueenBeane_25 (B1), Quisquilliae_25 (B1), Qyrzula_25 (B2), RedMaple_24 (B1), Rhinoforte_27 (B2), Ricotta_25 (B1), Riggan_25 (B1), Robyn_24 (B1), Roliet_25 (B1), Roscoe_26 (B1), Rosebush_27 (B2), Roy17_25 (B1), SDcharge11_25 (B1), Sabella_27 (B2), Samaymay_25 (B1), SassyCat97_24 (B1), Schadenfreude_24 (B1), Scoot17C_25 (B1), Scrick_25 (B1), Selr12_25 (B1), Serendipity_25 (B1), Serpentine_0025 (B1), Sheila_25 (B1), ShiVal_25 (B1), Sigman_25 (B1), Simielle_24 (B1), Skippy_25 (B1), Slatt_25 (B1), Solosis_24 (B1), Sophia_24 (B1), Soto_25 (B1), Spartan300_25 (B1), Squid_25 (B1), Squiggle_25 (B1), Suffolk_25 (B1), Surely_25 (B1), Swish_25 (B1), TA17A_27 (B2), TallGrassMM_25 (B1), Telesworld_24 (B1), Thora_25 (B1), ThreeOh3D2_25 (B1), Thunderbird_25 (B1), Timmi_24 (B1), Tinciduntolum_28 (B2), TomBombadil_25 (B1), Tomlarah_25 (B1), Toni_24 (B1), Tooj_25 (B1), Tres_27 (B2), True_24 (B1), UAch1_25 (B1), UncleHowie_25 (B1), Usavi_25 (B1), Valjean_25 (B1), Vaticameos_25 (B1), Virapocalypse_25 (B1), Vista_25 (B1), Vivaldi_25 (B1), Vortex_25 (B1), Waterdiva_25 (B1), West99_27 (B2), Xavier_24 (B1), Yoshand_25 (B1), YouGoGlencoco_25 (B1), Zaider_26 (B1), Zelda_25 (B1),

Start 72:

- Found in 1 of 697 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pine5_25 (singleton),

Start 73:

- Found in 161 of 697 (23.1%) of genes in pham
- Manual Annotations of this start: 107 of 610
- Called 77.6% of time when present
- Phage (with cluster) where this start called: APunk_31 (DE4), Abblin_30 (DE4), Affeca_28 (DE1), Ailee_28 (DE1), Ali17_26 (DE2), AnClar_23 (DR), AnarQue_24 (DR), Angelicage_28 (DE1), Arri_29 (DC1), Ashertheman_30 (DE1), Axumite_22 (DR), Bakery_27 (DC1), Barb_28 (DC1), Barsten_30 (DE1), Baumdotcom_29 (DE1), Belphegor_28 (DE), Bibwit_29 (DE1), BiggityBass_22 (DR), BobBob_27 (DE1), Brandonk123_31 (DE1), CRB2_27 (B9), CaiB_24 (DR), ChadMasterC_30 (DE1), CharlottesWeb_22 (DR), Charming_30 (DE1), Chickadee_27 (DE3), ClamChowder_28 (DC1), CloverMinnie_24 (DR), Clown_30 (DC2), Danyall_28 (DC1), Delrey21_29 (DE4), Dextert_28 (DE3), DoctorFroggo_29 (DE4), EMOore_26 (DE2), EdmundFerry_26 (DE3), Evaa_23 (DR), Evamon_26 (DC1), Fireball_27 (DC1), Fitzgerald_28 (DE1), Fosterous_28 (DE1), Fresco_22 (DR), Fugax_28 (DC1), GTE6_27 (DE3), Galadriel_30 (DE1), Geodirt_27 (DE1), Gezellig_27 (DC1), Gustavo_29 (DE1), Halo3_27 (DC1), Hans_30 (DE2), Inspectinfecti_29 (DE2), Jabberwocky_28 (DE1), Jambalaya_26 (DC1), Kamashten_29 (DE1), Keitabear_30 (DE1), Kewpiedoll_29 (DE1), KimmyK_28 (DC1), Kroos_30 (DE1), Kwekel_27 (DE3), Kwobi_30 (DE1), Lennon_30 (DE1), Leonard_28 (DE2), Ligma_22 (DR), LilHam_27 (DE1), LittleMunchkin_24 (DR), Love_33 (DE1), MakoManhole_24 (DR), Mariokart_22 (DR), McKinley_32 (DE1), MelBins_29 (DE2), MoontowerMania_29 (DE1), MossRose_24 (DR), Mutzi_28 (DC1), Natkenzie_30 (DE4), Nordenberg_24 (DE1), Nubi_26 (DC1), Paries_32 (DE1), PenguinLover67_27 (B9), Phauci_21 (DE2), Phinally_28 (DE2), Phlop_26 (DC1), PinkCoffee_28 (DC1), Portcullis_26 (DC1), PullumCavea_26 (DC1), Quesadilla_26 (B9), RiverRaider_31 (DE1), RoadKill_25 (DE3), Rofo_30 (DE1), RogerDodger_29 (DC1), Salvador_26 (DC1), Sampson_30 (DE4), Sanjuju_28 (DE1), Saronaya_29 (DE1), Savbucketdawg_26 (DC1), SchottB_28 (DE1), Scioto_30 (DE4), Sedona_30 (DE1), Shatter_22 (DR), Shinji_26 (DC1), Shivanishola_31 (DE1), Sisko_22 (DR), Sitar_30 (DE1), SmokingBunny_26 (DC1), StorminNorm_29 (DE1), Stultus_28 (DE1), Tangent_30 (DE1), Tangerine_29 (DE1), Tardus_31 (DE4), Thing3_29 (DE1), Tiamoceli_28 (DE3), TillyBobJoe_26 (DC1), Togo_26 (DC1), Twister6_28 (DC1), Twonlo_25 (DE3), Tycho_29 (DE1), Valary_29 (DC1), VanDeWege_29 (DC1), Verity_29 (DE4), ViaConlectus_30 (DE4), Vivi2_32 (DE1), Wizard_26 (DC1), Wooper_24 (DR), Yago84_22 (DR), YungMoney_28 (DC1), Zipp_29 (DE4), Zitch_31 (DE4),

Start 74:

- Found in 1 of 697 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA2_25 (DS),

Start 76:

- Found in 22 of 697 (3.2%) of genes in pham
- Manual Annotations of this start: 15 of 610

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_25 (B5), Bae_24 (B5), BirdsNest_28 (B13), DigitDog_25 (B5), Donny_25 (B5), EastView9101_25 (B5), Funsized_28 (B9), Hashim76_29 (B13), Imvubu_19 (B10), Knocker_27 (B9), LilMcDreamy_22 (B12), Mysterious_26 (B5), Nangang_25 (B5), Phelemich_25 (B5), Reprobate_25 (B5), Rich_24 (B5), Saguario_26 (B7), Serendipitous_24 (B5), SirJeffery_25 (B5), StinkyVeggy_27 (B5), Suigeneris_25 (B5), Zenteno07_29 (B13),

Start 77:

- Found in 4 of 697 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dori_22 (AD), Mao1_21 (AD), Mask_22 (AD), Sejanus_22 (AD),

Start 79:

- Found in 37 of 697 (5.3%) of genes in pham
- Manual Annotations of this start: 24 of 610
- Called 81.1% of time when present
- Phage (with cluster) where this start called: Ahwei_22 (B4), AlanGrant_24 (B4), Apex_23 (B4), Austelle_24 (B4), BobbyK_23 (B4), BrownCNA_24 (B4), ChrisMich_22 (B4), Cooper_23 (B4), Fortunato_23 (B4), Frederick_23 (B4), Hangman_23 (B4), Heath_22 (B4), Hydro_23 (B4), JAMaL_23 (B4), JaguarMi_23 (B4), Lolalove_23 (B4), Magpie_22 (B4), Mithril_23 (B4), Mudslide_23 (B4), Nanao_22 (B4), Nigel_21 (B4), Poster_22 (B4), Prince_24 (B4), RawrgerThat_23 (B4), Stinger_21 (B4), Thonko_24 (B8), Vincenzo_24 (B4), VioletZ_23 (B4), Waleliano_23 (B4), Zemanar_24 (B4),

Start 80:

- Found in 8 of 697 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 610
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argie_20 (W), Cepens_19 (W), D12_19 (W), GodPhather_20 (W), Jeon_19 (W), Megabear_19 (W), PR_19 (W), Taptic_19 (W),

Start 81:

- Found in 46 of 697 (6.6%) of genes in pham
- Manual Annotations of this start: 42 of 610
- Called 97.8% of time when present
- Phage (with cluster) where this start called: Abinghost_26 (B3), Akoma_26 (B3), Athena_27 (B3), Audrey_26 (B3), Baloo_26 (B3), Ben11_25 (B3), Bernardo_26 (B3), Briakila_26 (B3), Casbah_25 (B3), ChaChing_26 (B3), Chandler_26 (B3), Compostia_27 (B3), Corofin_26 (B3), Daisy_26 (B3), Deenasa_26 (B3), Devonte_26 (B3), Gadget_27 (B3), Gervas_26 (B3), GlenHope_27 (B3), Halfpint_25 (B3), HarveySr_26 (B3), Heathcliff_26 (B3), Kamiyu_26 (B3), Kronus_25 (B3), LestyG_26 (B3), Marley1013_26 (B3), MmasiCarm_26 (B3), Mortcellus_25 (B3), Morty007_26 (B3), Neos5_26 (B3), Nozo_26 (B3), Obutu_26 (B3), OrangeOswald_26 (B3), Phayeta_26 (B3), Philly_25 (B3), Phlyer_26 (B3), Pipefish_26 (B3), RagingRooster_26 (B3), Rita1961_26 (B3), RomaT_26 (B3), SlippinJimmy_26 (B3), SynergyX_26 (B3), Tydolla_26 (B3), Yahalom_26 (B3), Yinz_26 (B3),

Start 82:

- Found in 6 of 697 (0.9%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: phiAsp2_21 (singleton),

Start 83:

- Found in 19 of 697 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Llemily_33 (EG),

Start 85:

- Found in 11 of 697 (1.6%) of genes in pham
- Manual Annotations of this start: 6 of 610
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Atuin_85 (FC), Bloom_91 (FC), BlueNGold_95 (DS), Boopy_96 (DS), Forza_96 (DS), Mareelih_94 (DS), Patbob_88 (FC), Racecar_88 (FC), Sixama_94 (DS),

Start 86:

- Found in 1 of 697 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid_93 (FC),

Start 96:

- Found in 32 of 697 (4.6%) of genes in pham
- Manual Annotations of this start: 7 of 610
- Called 28.1% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_20 (BG), Asis_19 (BG), BabyGotBac_19 (BG), BayC_19 (BG), DunneganBoMo_81 (FC), Maih_19 (BG), RainyPolka_20 (BG), Salete_19 (BG), TP1604_19 (BG),

Start 97:

- Found in 8 of 697 (1.1%) of genes in pham
- Manual Annotations of this start: 5 of 610
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Mischief19_27 (BG), Tonitrus_40 (singleton), TurkishDelight_25 (singleton), Xkcd426_25 (BG), YDN12_20 (BG),

Start 103:

- Found in 26 of 697 (3.7%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Rimu_26 (B1),

Summary by clusters:

There are 37 clusters represented in this pham: GD1, singleton, BG, GD4, DK, DE, GD2, FC, B12, B13, B10, B11, GD3, DR, DS, EI, AD, EG, EC, W, CP, DC2, DC1, DE1, DE2, DE3, DE4, DE5, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 77 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 70 was manually annotated 52 times for cluster B1.
- Start number 71 was manually annotated 199 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 76 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 70 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 76 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 76 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 71 was manually annotated 32 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 81 was manually annotated 42 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 79 was manually annotated 23 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 76 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 70 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 76 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 79 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 73 was manually annotated 3 times for cluster B9.
- Start number 76 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster BG:

- Start number 96 was manually annotated 7 times for cluster BG.
- Start number 97 was manually annotated 3 times for cluster BG.

Info for manual annotations of cluster CP:

- Start number 63 was manually annotated 2 times for cluster CP.

Info for manual annotations of cluster DC1:

- Start number 73 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 73 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 60 was manually annotated 7 times for cluster DE1.
- Start number 73 was manually annotated 36 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 73 was manually annotated 7 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 73 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 73 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 71 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DK:

- Start number 65 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:

- Start number 58 was manually annotated 1 time for cluster DR.
- Start number 73 was manually annotated 16 times for cluster DR.

Info for manual annotations of cluster DS:

- Start number 85 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster EC:

- Start number 59 was manually annotated 3 times for cluster EC.
- Start number 63 was manually annotated 36 times for cluster EC.
- Start number 67 was manually annotated 1 time for cluster EC.
- Start number 69 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EG:

- Start number 56 was manually annotated 38 times for cluster EG.

Info for manual annotations of cluster EI:

- Start number 63 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster FC:

- Start number 85 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1:

- Start number 62 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 65 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 66 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 58 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster W:

- Start number 80 was manually annotated 8 times for cluster W.

Gene Information:

Gene: 39HC_021 Start: 17860, Stop: 18273, Start Num: 70

Candidate Starts for 39HC_021:

(Start: 70 @17860 has 54 MA's), (126, 18028), (140, 18055), (180, 18172),

Gene: 40BC_021 Start: 17860, Stop: 18273, Start Num: 70

Candidate Starts for 40BC_021:

(Start: 70 @17860 has 54 MA's), (126, 18028), (140, 18055), (180, 18172),

Gene: A3Wally_94 Start: 50689, Stop: 51099, Start Num: 62

Candidate Starts for A3Wally_94:

(Start: 62 @50689 has 2 MA's), (103, 50776), (104, 50779), (109, 50809), (181, 51019), (189, 51037),

Gene: ABU_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for ABU_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: APunk_31 Start: 22352, Stop: 22783, Start Num: 73

Candidate Starts for APunk_31:

(44, 22292), (54, 22325), (Start: 73 @22352 has 107 MA's), (116, 22481), (122, 22511), (154, 22613), (158, 22619), (163, 22634), (184, 22691), (188, 22706), (197, 22754), (198, 22757),

Gene: Abblin_30 Start: 22964, Stop: 23395, Start Num: 73

Candidate Starts for Abblin_30:

(44, 22904), (54, 22937), (Start: 73 @22964 has 107 MA's), (116, 23093), (122, 23123), (154, 23225), (158, 23231), (163, 23246), (184, 23303), (188, 23318), (197, 23366), (198, 23369),

Gene: Abinghost_26 Start: 19363, Stop: 19776, Start Num: 81

Candidate Starts for Abinghost_26:

(Start: 81 @19363 has 42 MA's), (105, 19438), (116, 19483), (117, 19489), (164, 19621), (197, 19747),

Gene: AbsoluteMadLad_24 Start: 18670, Stop: 19092, Start Num: 71

Candidate Starts for AbsoluteMadLad_24:

(46, 18604), (Start: 71 @18670 has 232 MA's), (115, 18793), (116, 18799), (117, 18805), (140, 18868), (151, 18910), (181, 18988), (193, 19036), (198, 19060), (204, 19078), (205, 19084),

Gene: Abt2graduatex2_20 Start: 19744, Stop: 20124, Start Num: 96

Candidate Starts for Abt2graduatex2_20:

(Start: 96 @19744 has 7 MA's), (100, 19759), (110, 19801), (120, 19846), (149, 19936), (159, 19966), (173, 20017), (177, 20032), (187, 20059), (188, 20062),

Gene: Acadian_25 Start: 19389, Stop: 19805, Start Num: 76

Candidate Starts for Acadian_25:

(Start: 76 @19389 has 15 MA's), (101, 19449), (117, 19518), (151, 19623), (166, 19653), (206, 19800),

Gene: Adriana_25 Start: 18672, Stop: 19094, Start Num: 71

Candidate Starts for Adriana_25:

(46, 18606), (Start: 71 @18672 has 232 MA's), (115, 18795), (116, 18801), (117, 18807), (140, 18870), (151, 18912), (181, 18990), (193, 19038), (198, 19062), (204, 19080), (205, 19086),

Gene: Aelin_24 Start: 18235, Stop: 18657, Start Num: 71

Candidate Starts for Aelin_24:

(46, 18169), (Start: 71 @18235 has 232 MA's), (115, 18358), (116, 18364), (117, 18370), (140, 18433), (151, 18475), (181, 18553), (193, 18601), (198, 18625), (204, 18643), (205, 18649),

Gene: Affeca_28 Start: 22852, Stop: 23286, Start Num: 73

Candidate Starts for Affeca_28:

(53, 22822), (Start: 73 @22852 has 107 MA's), (105, 22936), (122, 23011), (130, 23035), (154, 23113), (163, 23134), (188, 23206), (198, 23257),

Gene: Ahwei_22 Start: 18304, Stop: 18717, Start Num: 79

Candidate Starts for Ahwei_22:

(Start: 79 @18304 has 24 MA's), (115, 18418), (116, 18424), (117, 18430), (126, 18466), (140, 18493), (145, 18505), (147, 18517), (151, 18535), (181, 18613), (197, 18682), (205, 18709),

Gene: Ailee_28 Start: 23561, Stop: 23995, Start Num: 73

Candidate Starts for Ailee_28:

(Start: 73 @23561 has 107 MA's), (105, 23645), (122, 23720), (130, 23744), (154, 23822), (163, 23843), (188, 23915), (198, 23966),

Gene: Akoma_26 Start: 19364, Stop: 19777, Start Num: 81

Candidate Starts for Akoma_26:

(Start: 81 @19364 has 42 MA's), (116, 19484), (117, 19490), (130, 19538), (164, 19622), (197, 19748),

Gene: AlanGrant_24 Start: 20089, Stop: 20502, Start Num: 79

Candidate Starts for AlanGrant_24:

(52, 20038), (Start: 79 @20089 has 24 MA's), (116, 20209), (117, 20215), (145, 20290), (151, 20320), (180, 20395), (188, 20413), (205, 20494),

Gene: Ali17_26 Start: 20746, Stop: 21177, Start Num: 73

Candidate Starts for Ali17_26:

(18, 20518), (21, 20554), (36, 20659), (54, 20719), (Start: 73 @20746 has 107 MA's), (105, 20830), (129, 20926), (154, 21007), (158, 21013), (162, 21025), (184, 21085), (191, 21109), (197, 21148), (198, 21151),

Gene: Allegro_27 Start: 20836, Stop: 21264, Start Num: 71

Candidate Starts for Allegro_27:

(55, 20809), (Start: 71 @20836 has 232 MA's), (84, 20851), (116, 20968), (117, 20974), (123, 21001), (130, 21022), (140, 21040), (181, 21160), (185, 21166), (197, 21229), (205, 21256),

Gene: AltPhacts_25 Start: 18664, Stop: 19086, Start Num: 71

Candidate Starts for AltPhacts_25:

(46, 18598), (Start: 71 @18664 has 232 MA's), (115, 18787), (116, 18793), (117, 18799), (140, 18862), (151, 18904), (181, 18982), (193, 19030), (198, 19054), (204, 19072), (205, 19078),

Gene: Altheas_35 Start: 22433, Stop: 22843, Start Num: 56

Candidate Starts for Altheas_35:

(Start: 56 @22433 has 38 MA's), (118, 22592), (136, 22649), (144, 22667), (153, 22706), (161, 22721),

Gene: Altwerkus_24 Start: 18364, Stop: 18786, Start Num: 71

Candidate Starts for Altwerkus_24:

(46, 18298), (Start: 71 @18364 has 232 MA's), (115, 18487), (116, 18493), (117, 18499), (140, 18562), (151, 18604), (181, 18682), (193, 18730), (198, 18754), (204, 18772), (205, 18778),

Gene: AluminumJesus_31 Start: 21927, Stop: 22340, Start Num: 56

Candidate Starts for AluminumJesus_31:

(40, 21870), (Start: 56 @21927 has 38 MA's), (Start: 96 @21999 has 7 MA's), (118, 22086), (153, 22203), (161, 22218),

Gene: AnClar_23 Start: 19435, Stop: 19848, Start Num: 73

Candidate Starts for AnClar_23:

(Start: 73 @19435 has 107 MA's), (102, 19504), (117, 19570), (130, 19618), (156, 19684), (171, 19726), (197, 19825),

Gene: AnarQue_24 Start: 18618, Stop: 19028, Start Num: 73

Candidate Starts for AnarQue_24:

(Start: 73 @18618 has 107 MA's), (124, 18780), (128, 18792), (151, 18858), (164, 18882), (175, 18921), (181, 18936), (198, 19008),

Gene: Anderson_25 Start: 18662, Stop: 19084, Start Num: 71

Candidate Starts for Anderson_25:

(46, 18596), (Start: 71 @18662 has 232 MA's), (115, 18785), (116, 18791), (117, 18797), (140, 18860), (151, 18902), (181, 18980), (193, 19028), (198, 19052), (204, 19070), (205, 19076),

Gene: Andre_25 Start: 18660, Stop: 19082, Start Num: 71

Candidate Starts for Andre_25:

(46, 18594), (Start: 71 @18660 has 232 MA's), (115, 18783), (116, 18789), (117, 18795), (140, 18858), (151, 18900), (181, 18978), (193, 19026), (198, 19050), (204, 19068), (205, 19074),

Gene: Angelicage_28 Start: 23269, Stop: 23703, Start Num: 73

Candidate Starts for Angelicage_28:

(53, 23239), (Start: 73 @23269 has 107 MA's), (105, 23353), (122, 23428), (130, 23452), (154, 23530), (163, 23551), (188, 23623), (198, 23674),

Gene: Antares_33 Start: 19596, Stop: 20000, Start Num: 63

Candidate Starts for Antares_33:

(Start: 63 @19596 has 46 MA's), (Start: 73 @19605 has 107 MA's), (91, 19632), (92, 19635), (117, 19731), (120, 19746), (123, 19758), (125, 19764), (143, 19806), (172, 19881), (184, 19914), (193, 19956), (203, 19995),

Gene: Antonia_24 Start: 18235, Stop: 18657, Start Num: 71

Candidate Starts for Antonia_24:

(46, 18169), (Start: 71 @18235 has 232 MA's), (115, 18358), (116, 18364), (117, 18370), (140, 18433), (151, 18475), (181, 18553), (193, 18601), (198, 18625), (204, 18643), (205, 18649),

Gene: Apex_23 Start: 19517, Stop: 19930, Start Num: 79

Candidate Starts for Apex_23:

(Start: 79 @19517 has 24 MA's), (115, 19631), (116, 19637), (117, 19643), (126, 19679), (145, 19718), (147, 19730), (151, 19748), (181, 19826), (188, 19841), (197, 19895), (198, 19898), (205, 19922),

Gene: Apizium_24 Start: 18422, Stop: 18844, Start Num: 70

Candidate Starts for Apizium_24:

(Start: 70 @18422 has 54 MA's), (103, 18494), (115, 18545), (116, 18551), (117, 18557), (140, 18620), (151, 18662), (181, 18740), (193, 18788), (198, 18812), (204, 18830), (205, 18836),

Gene: Arbiter_27 Start: 20921, Stop: 21349, Start Num: 71

Candidate Starts for Arbiter_27:

(55, 20894), (Start: 71 @20921 has 232 MA's), (84, 20936), (116, 21053), (117, 21059), (123, 21086), (130, 21107), (140, 21125), (181, 21245), (185, 21251), (197, 21314), (205, 21341),

Gene: Ares_27 Start: 20837, Stop: 21265, Start Num: 71

Candidate Starts for Ares_27:

(55, 20810), (Start: 71 @20837 has 232 MA's), (84, 20852), (116, 20969), (117, 20975), (123, 21002), (130, 21023), (140, 21041), (181, 21161), (185, 21167), (197, 21230), (205, 21257),

Gene: Argie_20 Start: 18470, Stop: 18880, Start Num: 80

Candidate Starts for Argie_20:

(Start: 80 @18470 has 8 MA's), (105, 18545), (116, 18590), (117, 18596), (128, 18638), (140, 18662), (146, 18683), (180, 18785), (193, 18830),

Gene: Ariadne_41 Start: 21286, Stop: 21693, Start Num: 63

Candidate Starts for Ariadne_41:

(Start: 63 @21286 has 46 MA's), (120, 21439), (123, 21451), (143, 21499), (171, 21571), (172, 21574), (184, 21607), (188, 21622), (193, 21649), (203, 21688),

Gene: Arri_29 Start: 18253, Stop: 18696, Start Num: 73

Candidate Starts for Arri_29:

(Start: 73 @18253 has 107 MA's), (154, 18514), (198, 18670),

Gene: Ashertheman_30 Start: 22146, Stop: 22580, Start Num: 73

Candidate Starts for Ashertheman_30:

(Start: 63 @22137 has 46 MA's), (Start: 73 @22146 has 107 MA's), (105, 22230), (122, 22305), (154, 22407), (163, 22428), (184, 22485), (188, 22500), (198, 22551),

Gene: Ashraf_24 Start: 18226, Stop: 18648, Start Num: 70

Candidate Starts for Ashraf_24:

(Start: 70 @18226 has 54 MA's), (115, 18349), (116, 18355), (117, 18361), (140, 18424), (151, 18466), (181, 18544), (193, 18592), (198, 18616), (204, 18634), (205, 18640),

Gene: Asis_19 Start: 19235, Stop: 19615, Start Num: 96

Candidate Starts for Asis_19:

(11, 18785), (31, 19067), (Start: 96 @19235 has 7 MA's), (100, 19250), (110, 19292), (120, 19337), (149, 19427), (159, 19457), (173, 19508), (177, 19523), (187, 19550), (188, 19553),

Gene: Athena_27 Start: 20126, Stop: 20539, Start Num: 81

Candidate Starts for Athena_27:

(Start: 81 @20126 has 42 MA's), (105, 20201), (116, 20246), (117, 20252), (164, 20384), (197, 20510),

Gene: Atuin_85 Start: 52030, Stop: 52410, Start Num: 85

Candidate Starts for Atuin_85:

(Start: 85 @52030 has 6 MA's), (90, 52039), (Start: 96 @52066 has 7 MA's), (132, 52207), (148, 52252), (166, 52285), (188, 52348),

Gene: Audrey_26 Start: 19363, Stop: 19776, Start Num: 81

Candidate Starts for Audrey_26:

(Start: 81 @19363 has 42 MA's), (116, 19483), (117, 19489), (130, 19537), (164, 19621), (197, 19747),

Gene: Austelle_24 Start: 19973, Stop: 20386, Start Num: 79

Candidate Starts for Austelle_24:

(Start: 79 @19973 has 24 MA's), (115, 20087), (116, 20093), (117, 20099), (126, 20135), (145, 20174), (147, 20186), (151, 20204), (181, 20282), (188, 20297), (197, 20351), (198, 20354), (205, 20378),

Gene: Axumite_22 Start: 17225, Stop: 17635, Start Num: 73

Candidate Starts for Axumite_22:

(Start: 73 @17225 has 107 MA's), (105, 17306), (115, 17345), (117, 17357), (128, 17399), (130, 17405), (140, 17423), (171, 17513),

Gene: BabyDotz_32 Start: 22195, Stop: 22599, Start Num: 56

Candidate Starts for BabyDotz_32:

(45, 22150), (Start: 56 @22195 has 38 MA's), (64, 22207), (83, 22231), (135, 22405), (144, 22426), (158, 22471), (161, 22480), (194, 22585), (197, 22594),

Gene: BabyGotBac_19 Start: 19235, Stop: 19615, Start Num: 96

Candidate Starts for BabyGotBac_19:

(11, 18785), (31, 19067), (Start: 96 @19235 has 7 MA's), (100, 19250), (110, 19292), (120, 19337), (149, 19427), (159, 19457), (173, 19508), (177, 19523), (187, 19550), (188, 19553),

Gene: Baddon_29 Start: 22946, Stop: 23380, Start Num: 60

Candidate Starts for Baddon_29:

(Start: 60 @22946 has 7 MA's), (98, 23000), (105, 23030), (122, 23105), (154, 23207), (163, 23228), (188, 23300), (198, 23351),

Gene: Badfish_25 Start: 18694, Stop: 19116, Start Num: 71

Candidate Starts for Badfish_25:

(46, 18628), (Start: 71 @18694 has 232 MA's), (115, 18817), (116, 18823), (117, 18829), (140, 18892), (151, 18934), (181, 19012), (193, 19060), (198, 19084), (204, 19102), (205, 19108),

Gene: Bae_24 Start: 19145, Stop: 19561, Start Num: 76

Candidate Starts for Bae_24:

(Start: 76 @19145 has 15 MA's), (115, 19262), (117, 19274), (140, 19337), (197, 19526), (206, 19556),

Gene: Bakery_27 Start: 17507, Stop: 17950, Start Num: 73

Candidate Starts for Bakery_27:

(Start: 73 @17507 has 107 MA's), (198, 17924),

Gene: Baloo_26 Start: 19363, Stop: 19776, Start Num: 81
Candidate Starts for Baloo_26:
(Start: 81 @19363 has 42 MA's), (116, 19483), (117, 19489), (130, 19537), (164, 19621), (197, 19747),

Gene: Bananafish_27 Start: 20833, Stop: 21261, Start Num: 71
Candidate Starts for Bananafish_27:
(55, 20806), (Start: 71 @20833 has 232 MA's), (84, 20848), (116, 20965), (117, 20971), (123, 20998), (130, 21019), (140, 21037), (181, 21157), (185, 21163), (197, 21226), (205, 21253),

Gene: Banjo_24 Start: 18371, Stop: 18793, Start Num: 71
Candidate Starts for Banjo_24:
(46, 18305), (Start: 71 @18371 has 232 MA's), (115, 18494), (116, 18500), (117, 18506), (140, 18569), (151, 18611), (181, 18689), (193, 18737), (198, 18761), (204, 18779), (205, 18785),

Gene: Barb_28 Start: 18286, Stop: 18729, Start Num: 73
Candidate Starts for Barb_28:
(Start: 73 @18286 has 107 MA's), (154, 18547), (198, 18703),

Gene: Barsten_30 Start: 22693, Stop: 23127, Start Num: 73
Candidate Starts for Barsten_30:
(53, 22663), (Start: 73 @22693 has 107 MA's), (105, 22777), (122, 22852), (130, 22876), (154, 22954), (163, 22975), (188, 23047), (198, 23098),

Gene: Basato_26 Start: 18896, Stop: 19318, Start Num: 71
Candidate Starts for Basato_26:
(46, 18830), (Start: 71 @18896 has 232 MA's), (115, 19019), (116, 19025), (117, 19031), (140, 19094), (151, 19136), (181, 19214), (193, 19262), (198, 19286), (204, 19304), (205, 19310),

Gene: BatteryCK_24 Start: 18248, Stop: 18670, Start Num: 70
Candidate Starts for BatteryCK_24:
(Start: 70 @18248 has 54 MA's), (103, 18320), (115, 18371), (116, 18377), (117, 18383), (140, 18446), (151, 18488), (181, 18566), (193, 18614), (198, 18638), (204, 18656), (205, 18662),

Gene: Baumdotcom_29 Start: 21761, Stop: 22195, Start Num: 73
Candidate Starts for Baumdotcom_29:
(Start: 63 @21752 has 46 MA's), (Start: 73 @21761 has 107 MA's), (105, 21845), (122, 21920), (154, 22022), (163, 22043), (184, 22100), (188, 22115), (198, 22166),

Gene: BayC_19 Start: 19235, Stop: 19615, Start Num: 96
Candidate Starts for BayC_19:
(11, 18785), (31, 19067), (Start: 96 @19235 has 7 MA's), (100, 19250), (110, 19292), (120, 19337), (149, 19427), (159, 19457), (173, 19508), (177, 19523), (187, 19550), (188, 19553),

Gene: Beaglebox_24 Start: 18391, Stop: 18813, Start Num: 71
Candidate Starts for Beaglebox_24:
(46, 18325), (Start: 71 @18391 has 232 MA's), (115, 18514), (116, 18520), (117, 18526), (140, 18589), (151, 18631), (181, 18709), (193, 18757), (198, 18781), (204, 18799), (205, 18805),

Gene: Belphegor_28 Start: 22298, Stop: 22729, Start Num: 73
Candidate Starts for Belphegor_28:
(48, 22247), (54, 22271), (Start: 73 @22298 has 107 MA's), (105, 22382), (129, 22478), (154, 22559), (158, 22565), (162, 22577), (184, 22637), (188, 22652), (191, 22661), (193, 22679), (197, 22700),

(198, 22703),

Gene: Ben11_25 Start: 19185, Stop: 19598, Start Num: 81

Candidate Starts for Ben11_25:

(Start: 81 @19185 has 42 MA's), (116, 19305), (117, 19311), (130, 19359), (164, 19443), (197, 19569),

Gene: Bernardo_26 Start: 19363, Stop: 19776, Start Num: 81

Candidate Starts for Bernardo_26:

(Start: 81 @19363 has 42 MA's), (116, 19483), (117, 19489), (130, 19537), (164, 19621), (197, 19747),

Gene: Bibwit_29 Start: 22880, Stop: 23314, Start Num: 73

Candidate Starts for Bibwit_29:

(Start: 73 @22880 has 107 MA's), (105, 22964), (122, 23039), (130, 23063), (154, 23141), (163, 23162), (184, 23219), (188, 23234), (198, 23285),

Gene: Big4_83 Start: 49711, Stop: 50121, Start Num: 65

Candidate Starts for Big4_83:

(27, 49555), (30, 49585), (Start: 65 @49711 has 4 MA's), (Start: 96 @49771 has 7 MA's), (104, 49798), (105, 49807), (127, 49897), (189, 50059),

Gene: BiggityBass_22 Start: 19520, Stop: 19933, Start Num: 73

Candidate Starts for BiggityBass_22:

(Start: 73 @19520 has 107 MA's), (102, 19589), (130, 19703), (156, 19769), (197, 19910),

Gene: BirdInFrench_32 Start: 20827, Stop: 21222, Start Num: 56

Candidate Starts for BirdInFrench_32:

(Start: 56 @20827 has 38 MA's), (87, 20869), (91, 20878), (118, 20986), (169, 21127), (192, 21196), (194, 21214),

Gene: BirdsNest_28 Start: 18737, Stop: 19153, Start Num: 76

Candidate Starts for BirdsNest_28:

(Start: 76 @18737 has 15 MA's), (122, 18890), (123, 18893), (181, 19049), (188, 19064), (205, 19145),

Gene: Bishoperium_24 Start: 18377, Stop: 18799, Start Num: 71

Candidate Starts for Bishoperium_24:

(46, 18311), (Start: 71 @18377 has 232 MA's), (115, 18500), (116, 18506), (117, 18512), (140, 18575), (151, 18617), (181, 18695), (193, 18743), (198, 18767), (204, 18785), (205, 18791),

Gene: Bizzy_30 Start: 22093, Stop: 22527, Start Num: 60

Candidate Starts for Bizzy_30:

(Start: 60 @22093 has 7 MA's), (98, 22147), (105, 22177), (122, 22252), (154, 22354), (163, 22375), (188, 22447), (198, 22498),

Gene: Blab_31 Start: 21852, Stop: 22265, Start Num: 56

Candidate Starts for Blab_31:

(40, 21795), (Start: 56 @21852 has 38 MA's), (Start: 96 @21924 has 7 MA's), (118, 22011), (153, 22128), (161, 22143),

Gene: BlackStallion_25 Start: 18682, Stop: 19104, Start Num: 71

Candidate Starts for BlackStallion_25:

(46, 18616), (Start: 71 @18682 has 232 MA's), (115, 18805), (116, 18811), (117, 18817), (140, 18880), (151, 18922), (181, 19000), (193, 19048), (198, 19072), (204, 19090), (205, 19096),

Gene: Blocker23_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for Blocker23_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: Bloom_91 Start: 53421, Stop: 53804, Start Num: 85

Candidate Starts for Bloom_91:

(Start: 85 @53421 has 6 MA's), (Start: 96 @53460 has 7 MA's), (Start: 97 @53463 has 5 MA's), (120, 53562), (127, 53586), (147, 53637), (148, 53646), (172, 53700), (181, 53727), (187, 53739),

Gene: BlueHusk_25 Start: 18178, Stop: 18600, Start Num: 71

Candidate Starts for BlueHusk_25:

(46, 18112), (Start: 71 @18178 has 232 MA's), (115, 18301), (116, 18307), (117, 18313), (140, 18376), (151, 18418), (181, 18496), (193, 18544), (198, 18568), (204, 18586), (205, 18592),

Gene: BlueNGold_95 Start: 51971, Stop: 52378, Start Num: 85

Candidate Starts for BlueNGold_95:

(82, 51968), (Start: 85 @51971 has 6 MA's), (Start: 96 @52007 has 7 MA's), (108, 52061), (115, 52082), (147, 52184), (149, 52196), (161, 52238), (164, 52247), (172, 52274), (188, 52316), (193, 52349), (195, 52361), (197, 52370),

Gene: Bluephacebaby_24 Start: 18377, Stop: 18799, Start Num: 71

Candidate Starts for Bluephacebaby_24:

(46, 18311), (Start: 71 @18377 has 232 MA's), (115, 18500), (116, 18506), (117, 18512), (140, 18575), (151, 18617), (181, 18695), (193, 18743), (198, 18767), (204, 18785), (205, 18791),

Gene: BobBob_27 Start: 22158, Stop: 22592, Start Num: 73

Candidate Starts for BobBob_27:

(53, 22128), (Start: 73 @22158 has 107 MA's), (105, 22242), (122, 22317), (130, 22341), (154, 22419), (188, 22512), (198, 22563),

Gene: BobbyK_23 Start: 19336, Stop: 19749, Start Num: 79

Candidate Starts for BobbyK_23:

(Start: 79 @19336 has 24 MA's), (115, 19450), (116, 19456), (117, 19462), (126, 19498), (145, 19537), (147, 19549), (151, 19567), (181, 19645), (188, 19660), (197, 19714), (198, 19717), (205, 19741),

Gene: Boehler_25 Start: 18687, Stop: 19109, Start Num: 71

Candidate Starts for Boehler_25:

(46, 18621), (Start: 71 @18687 has 232 MA's), (115, 18810), (116, 18816), (117, 18822), (140, 18885), (151, 18927), (181, 19005), (193, 19053), (198, 19077), (204, 19095), (205, 19101),

Gene: Boopy_96 Start: 51983, Stop: 52390, Start Num: 85

Candidate Starts for Boopy_96:

(82, 51980), (Start: 85 @51983 has 6 MA's), (Start: 96 @52019 has 7 MA's), (108, 52073), (115, 52094), (147, 52196), (149, 52208), (161, 52250), (164, 52259), (172, 52286), (188, 52328), (193, 52361), (195, 52373), (197, 52382),

Gene: Boyle_27 Start: 20955, Stop: 21383, Start Num: 71

Candidate Starts for Boyle_27:

(55, 20928), (Start: 71 @20955 has 232 MA's), (84, 20970), (116, 21087), (117, 21093), (123, 21120), (130, 21141), (140, 21159), (181, 21279), (185, 21285), (197, 21348), (205, 21375),

Gene: Brandonk123_31 Start: 23227, Stop: 23661, Start Num: 73

Candidate Starts for Brandonk123_31:

(53, 23197), (Start: 73 @23227 has 107 MA's), (105, 23311), (122, 23386), (130, 23410), (154, 23488), (188, 23581), (198, 23632),

Gene: BrazzalePHS_32 Start: 19391, Stop: 19795, Start Num: 63

Candidate Starts for BrazzalePHS_32:

(Start: 63 @19391 has 46 MA's), (Start: 73 @19400 has 107 MA's), (91, 19427), (92, 19430), (117, 19526), (120, 19541), (123, 19553), (125, 19559), (143, 19601), (172, 19676), (184, 19709), (193, 19751), (203, 19790),

Gene: Briakila_26 Start: 20128, Stop: 20541, Start Num: 81

Candidate Starts for Briakila_26:

(Start: 81 @20128 has 42 MA's), (116, 20248), (117, 20254), (130, 20302), (164, 20386), (197, 20512),

Gene: Brilliant_25 Start: 18382, Stop: 18804, Start Num: 70

Candidate Starts for Brilliant_25:

(Start: 70 @18382 has 54 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: BrownCNA_24 Start: 19588, Stop: 20001, Start Num: 79

Candidate Starts for BrownCNA_24:

(Start: 79 @19588 has 24 MA's), (115, 19702), (116, 19708), (117, 19714), (126, 19750), (145, 19789), (147, 19801), (151, 19819), (181, 19897), (197, 19966), (198, 19969), (205, 19993),

Gene: Brownie5_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for Brownie5_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: Buckeye_25 Start: 18701, Stop: 19123, Start Num: 71

Candidate Starts for Buckeye_25:

(46, 18635), (Start: 71 @18701 has 232 MA's), (115, 18824), (116, 18830), (117, 18836), (140, 18899), (151, 18941), (181, 19019), (193, 19067), (198, 19091), (204, 19109), (205, 19115),

Gene: Burr_24 Start: 18376, Stop: 18798, Start Num: 71

Candidate Starts for Burr_24:

(46, 18310), (Start: 71 @18376 has 232 MA's), (115, 18499), (116, 18505), (117, 18511), (140, 18574), (151, 18616), (181, 18694), (193, 18742), (198, 18766), (204, 18784), (205, 18790),

Gene: Busephilis_32 Start: 19326, Stop: 19730, Start Num: 63

Candidate Starts for Busephilis_32:

(Start: 63 @19326 has 46 MA's), (Start: 73 @19335 has 107 MA's), (91, 19362), (92, 19365), (117, 19461), (120, 19476), (123, 19488), (125, 19494), (143, 19536), (172, 19611), (184, 19644), (193, 19686), (203, 19725),

Gene: CRB2_27 Start: 21048, Stop: 21482, Start Num: 73

Candidate Starts for CRB2_27:

(Start: 73 @21048 has 107 MA's), (101, 21111), (102, 21114), (116, 21174), (117, 21180), (126, 21216), (140, 21243), (145, 21255), (181, 21363), (197, 21432),

Gene: CaiB_24 Start: 18604, Stop: 19014, Start Num: 73

Candidate Starts for CaiB_24:

(Start: 73 @18604 has 107 MA's), (128, 18778), (181, 18922),

Gene: Calamitous_27 Start: 20834, Stop: 21262, Start Num: 71

Candidate Starts for Calamitous_27:

(55, 20807), (Start: 71 @20834 has 232 MA's), (84, 20849), (116, 20966), (117, 20972), (123, 20999), (130, 21020), (140, 21038), (181, 21158), (185, 21164), (197, 21227), (205, 21254),

Gene: CamL_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for CamL_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: CampRoach_25 Start: 18668, Stop: 19090, Start Num: 71

Candidate Starts for CampRoach_25:

(46, 18602), (Start: 71 @18668 has 232 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: CandC_31 Start: 20527, Stop: 20922, Start Num: 56

Candidate Starts for CandC_31:

(Start: 56 @20527 has 38 MA's), (91, 20578), (118, 20686), (144, 20761), (169, 20827), (194, 20914),

Gene: Cannibal_25 Start: 18661, Stop: 19083, Start Num: 71

Candidate Starts for Cannibal_25:

(46, 18595), (Start: 71 @18661 has 232 MA's), (115, 18784), (116, 18790), (117, 18796), (140, 18859), (151, 18901), (181, 18979), (193, 19027), (198, 19051), (204, 19069), (205, 19075),

Gene: Carthage_23 Start: 17587, Stop: 18009, Start Num: 71

Candidate Starts for Carthage_23:

(46, 17521), (Start: 71 @17587 has 232 MA's), (115, 17710), (116, 17716), (117, 17722), (140, 17785), (151, 17827), (181, 17905), (193, 17953), (198, 17977), (204, 17995), (205, 18001),

Gene: Casbah_25 Start: 19215, Stop: 19628, Start Num: 81

Candidate Starts for Casbah_25:

(Start: 81 @19215 has 42 MA's), (105, 19290), (116, 19335), (117, 19341), (164, 19473), (197, 19599),

Gene: Casend_34 Start: 22604, Stop: 23008, Start Num: 56

Candidate Starts for Casend_34:

(40, 22547), (Start: 56 @22604 has 38 MA's), (83, 22640), (135, 22814), (144, 22835), (158, 22880), (161, 22889), (194, 22994), (197, 23003),

Gene: Cece_77 Start: 45674, Stop: 46081, Start Num: 66

Candidate Starts for Cece_77:

(Start: 66 @45674 has 1 MA's), (94, 45725), (107, 45779), (116, 45815), (121, 45839), (127, 45860), (129, 45866), (172, 45974), (181, 46001), (189, 46019),

Gene: Cepens_19 Start: 18194, Stop: 18604, Start Num: 80

Candidate Starts for Cepens_19:

(Start: 80 @18194 has 8 MA's), (105, 18269), (116, 18314), (117, 18320), (128, 18362), (140, 18386), (146, 18407), (180, 18509), (193, 18554),

Gene: ChaChing_26 Start: 19378, Stop: 19791, Start Num: 81

Candidate Starts for ChaChing_26:

(Start: 81 @19378 has 42 MA's), (105, 19453), (116, 19498), (117, 19504), (164, 19636), (197, 19762),

Gene: ChadMasterC_30 Start: 23885, Stop: 24319, Start Num: 73

Candidate Starts for ChadMasterC_30:

(53, 23855), (Start: 73 @23885 has 107 MA's), (105, 23969), (122, 24044), (130, 24068), (154, 24146), (163, 24167), (188, 24239), (198, 24290),

Gene: Chaelin_24 Start: 18361, Stop: 18783, Start Num: 70

Candidate Starts for Chaelin_24:

(Start: 70 @18361 has 54 MA's), (103, 18433), (115, 18484), (116, 18490), (117, 18496), (140, 18559), (151, 18601), (181, 18679), (193, 18727), (198, 18751), (204, 18769), (205, 18775),

Gene: Chandler_26 Start: 20137, Stop: 20550, Start Num: 81

Candidate Starts for Chandler_26:

(Start: 81 @20137 has 42 MA's), (105, 20212), (116, 20257), (117, 20263), (164, 20395), (197, 20521),

Gene: Charles1_25 Start: 18659, Stop: 19081, Start Num: 71

Candidate Starts for Charles1_25:

(46, 18593), (Start: 71 @18659 has 232 MA's), (115, 18782), (116, 18788), (117, 18794), (140, 18857), (151, 18899), (181, 18977), (193, 19025), (198, 19049), (204, 19067), (205, 19073),

Gene: CharlieGBrown_24 Start: 18246, Stop: 18668, Start Num: 70

Candidate Starts for CharlieGBrown_24:

(Start: 70 @18246 has 54 MA's), (115, 18369), (116, 18375), (117, 18381), (140, 18444), (151, 18486), (181, 18564), (193, 18612), (198, 18636), (204, 18654), (205, 18660),

Gene: CharlottesWeb_22 Start: 17120, Stop: 17533, Start Num: 73

Candidate Starts for CharlottesWeb_22:

(Start: 58 @17099 has 2 MA's), (Start: 73 @17120 has 107 MA's), (95, 17162), (105, 17201), (116, 17246), (117, 17252), (130, 17300),

Gene: Charming_30 Start: 22736, Stop: 23170, Start Num: 73

Candidate Starts for Charming_30:

(53, 22706), (Start: 73 @22736 has 107 MA's), (105, 22820), (122, 22895), (130, 22919), (154, 22997), (163, 23018), (188, 23090), (198, 23141),

Gene: CheetO_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for CheetO_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Cher_24 Start: 18400, Stop: 18822, Start Num: 71

Candidate Starts for Cher_24:

(46, 18334), (Start: 71 @18400 has 232 MA's), (115, 18523), (116, 18529), (117, 18535), (140, 18598), (151, 18640), (181, 18718), (193, 18766), (198, 18790), (204, 18808), (205, 18814),

Gene: Chickadee_27 Start: 19601, Stop: 20032, Start Num: 73

Candidate Starts for Chickadee_27:

(26, 19433), (Start: 73 @19601 has 107 MA's), (105, 19685), (122, 19760), (162, 19880), (167, 19895), (188, 19955), (191, 19964), (197, 20003), (198, 20006),

Gene: Childish_24 Start: 18388, Stop: 18810, Start Num: 71

Candidate Starts for Childish_24:

(46, 18322), (Start: 71 @18388 has 232 MA's), (115, 18511), (116, 18517), (117, 18523), (140, 18586), (151, 18628), (181, 18706), (193, 18754), (198, 18778), (204, 18796), (205, 18802),

Gene: Chorkpop_25 Start: 18399, Stop: 18821, Start Num: 71

Candidate Starts for Chorkpop_25:

(46, 18333), (Start: 71 @18399 has 232 MA's), (115, 18522), (116, 18528), (117, 18534), (140, 18597), (151, 18639), (172, 18690), (181, 18717), (193, 18765), (198, 18789), (204, 18807), (205, 18813),

Gene: ChrisnMich_22 Start: 18293, Stop: 18706, Start Num: 79

Candidate Starts for ChrisnMich_22:

(Start: 79 @18293 has 24 MA's), (115, 18407), (116, 18413), (117, 18419), (126, 18455), (145, 18494), (147, 18506), (151, 18524), (181, 18602), (197, 18671), (205, 18698),

Gene: Chunky_25 Start: 18687, Stop: 19109, Start Num: 71

Candidate Starts for Chunky_25:

(46, 18621), (Start: 71 @18687 has 232 MA's), (115, 18810), (116, 18816), (117, 18822), (140, 18885), (151, 18927), (181, 19005), (193, 19053), (198, 19077), (204, 19095), (205, 19101),

Gene: Chute_24 Start: 18712, Stop: 19134, Start Num: 70

Candidate Starts for Chute_24:

(Start: 70 @18712 has 54 MA's), (103, 18784), (115, 18835), (116, 18841), (117, 18847), (140, 18910), (151, 18952), (181, 19030), (193, 19078), (198, 19102), (204, 19120), (205, 19126),

Gene: Cinna_28 Start: 18809, Stop: 19213, Start Num: 63

Candidate Starts for Cinna_28:

(Start: 63 @18809 has 46 MA's), (Start: 73 @18818 has 107 MA's), (84, 18830), (92, 18848), (Start: 96 @18866 has 7 MA's), (120, 18959), (125, 18977), (127, 18983), (143, 19019), (152, 19043), (171, 19091), (172, 19094), (184, 19124), (191, 19148), (193, 19166), (195, 19178), (203, 19205),

Gene: ClamChowder_28 Start: 18286, Stop: 18729, Start Num: 73

Candidate Starts for ClamChowder_28:

(Start: 73 @18286 has 107 MA's), (154, 18547), (198, 18703),

Gene: Clawz_53 Start: 29439, Stop: 29873, Start Num: 63

Candidate Starts for Clawz_53:

(Start: 63 @29439 has 46 MA's), (101, 29511), (105, 29526), (115, 29565), (137, 29637), (140, 29643), (151, 29685), (164, 29709), (171, 29733), (181, 29763), (188, 29778),

Gene: ClearAsMud_35 Start: 20105, Stop: 20509, Start Num: 63

Candidate Starts for ClearAsMud_35:

(Start: 63 @20105 has 46 MA's), (Start: 73 @20114 has 107 MA's), (91, 20141), (92, 20144), (117, 20240), (120, 20255), (123, 20267), (125, 20273), (143, 20315), (171, 20387), (172, 20390), (184, 20423), (193, 20465), (203, 20504),

Gene: CloverMinnie_24 Start: 18544, Stop: 18954, Start Num: 73

Candidate Starts for CloverMinnie_24:

(Start: 73 @18544 has 107 MA's), (124, 18706), (128, 18718), (151, 18784), (164, 18808), (175, 18847), (181, 18862), (198, 18934),

Gene: Clown_30 Start: 20227, Stop: 20670, Start Num: 73

Candidate Starts for Clown_30:

(35, 20125), (38, 20134), (Start: 73 @20227 has 107 MA's), (103, 20299), (198, 20644),

Gene: Cobra_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for Cobra_25:

(46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Coffee_27 Start: 20947, Stop: 21375, Start Num: 71

Candidate Starts for Coffee_27:

(55, 20920), (Start: 71 @20947 has 232 MA's), (84, 20962), (116, 21079), (117, 21085), (123, 21112), (130, 21133), (140, 21151), (181, 21271), (185, 21277), (197, 21340), (205, 21367),

Gene: Colbert_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Colbert_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Coletti_24 Start: 18712, Stop: 19134, Start Num: 70

Candidate Starts for Coletti_24:

(Start: 70 @18712 has 54 MA's), (103, 18784), (115, 18835), (116, 18841), (117, 18847), (140, 18910), (151, 18952), (181, 19030), (193, 19078), (198, 19102), (204, 19120), (205, 19126),

Gene: Compostia_27 Start: 19796, Stop: 20209, Start Num: 81

Candidate Starts for Compostia_27:

(Start: 81 @19796 has 42 MA's), (105, 19871), (116, 19916), (117, 19922), (164, 20054), (197, 20180),

Gene: Cooper_23 Start: 18410, Stop: 18823, Start Num: 79

Candidate Starts for Cooper_23:

(Start: 79 @18410 has 24 MA's), (116, 18530), (117, 18536), (126, 18572), (140, 18599), (147, 18623), (151, 18641), (181, 18719), (197, 18788), (205, 18815),

Gene: Cornobble_24 Start: 18235, Stop: 18657, Start Num: 71

Candidate Starts for Cornobble_24:

(46, 18169), (Start: 71 @18235 has 232 MA's), (115, 18358), (116, 18364), (117, 18370), (140, 18433), (151, 18475), (181, 18553), (193, 18601), (198, 18625), (204, 18643), (205, 18649),

Gene: Corofin_26 Start: 19388, Stop: 19801, Start Num: 81

Candidate Starts for Corofin_26:

(Start: 81 @19388 has 42 MA's), (105, 19463), (116, 19508), (117, 19514), (164, 19646), (197, 19772),

Gene: Cosmolli16_24 Start: 18394, Stop: 18816, Start Num: 71

Candidate Starts for Cosmolli16_24:

(46, 18328), (Start: 71 @18394 has 232 MA's), (115, 18517), (116, 18523), (117, 18529), (140, 18592), (151, 18634), (172, 18685), (181, 18712), (193, 18760), (198, 18784), (204, 18802), (205, 18808),

Gene: Craff_25 Start: 18681, Stop: 19103, Start Num: 71

Candidate Starts for Craff_25:

(46, 18615), (Start: 71 @18681 has 232 MA's), (115, 18804), (116, 18810), (117, 18816), (140, 18879), (151, 18921), (181, 18999), (193, 19047), (198, 19071), (204, 19089), (205, 19095),

Gene: Cranjjs_34 Start: 19551, Stop: 19955, Start Num: 63

Candidate Starts for Cranjjs_34:

(Start: 63 @19551 has 46 MA's), (Start: 73 @19560 has 107 MA's), (91, 19587), (92, 19590), (117, 19686), (120, 19701), (123, 19713), (125, 19719), (143, 19761), (172, 19836), (184, 19869), (193, 19911), (203, 19950),

Gene: CrazyRich_32 Start: 19360, Stop: 19764, Start Num: 63

Candidate Starts for CrazyRich_32:

(Start: 63 @19360 has 46 MA's), (Start: 73 @19369 has 107 MA's), (91, 19396), (92, 19399), (117, 19495), (120, 19510), (123, 19522), (125, 19528), (143, 19570), (172, 19645), (184, 19678), (193, 19720), (203, 19759),

Gene: Cressida_30 Start: 18868, Stop: 19272, Start Num: 63

Candidate Starts for Cressida_30:

(Start: 63 @18868 has 46 MA's), (84, 18889), (92, 18907), (Start: 96 @18925 has 7 MA's), (117, 19003), (120, 19018), (125, 19036), (127, 19042), (143, 19078), (172, 19153), (191, 19207), (193, 19225), (195, 19237), (203, 19264),

Gene: Crisis_34 Start: 19345, Stop: 19749, Start Num: 63

Candidate Starts for Crisis_34:

(Start: 63 @19345 has 46 MA's), (Start: 73 @19354 has 107 MA's), (91, 19381), (92, 19384), (117, 19480), (120, 19495), (123, 19507), (125, 19513), (143, 19555), (172, 19630), (184, 19663), (193, 19705), (203, 19744),

Gene: Crownjwl_25 Start: 18448, Stop: 18870, Start Num: 71

Candidate Starts for Crownjwl_25:

(46, 18382), (Start: 71 @18448 has 232 MA's), (115, 18571), (116, 18577), (117, 18583), (140, 18646), (151, 18688), (181, 18766), (193, 18814), (198, 18838), (204, 18856), (205, 18862),

Gene: D12_19 Start: 18187, Stop: 18597, Start Num: 80

Candidate Starts for D12_19:

(Start: 80 @18187 has 8 MA's), (105, 18262), (116, 18307), (117, 18313), (128, 18355), (140, 18379), (146, 18400), (180, 18502), (193, 18547),

Gene: DaddyDaniels_25 Start: 18373, Stop: 18795, Start Num: 70

Candidate Starts for DaddyDaniels_25:

(Start: 70 @18373 has 54 MA's), (115, 18496), (116, 18502), (117, 18508), (140, 18571), (151, 18613), (181, 18691), (193, 18739), (198, 18763), (204, 18781), (205, 18787),

Gene: Daffy_25 Start: 18400, Stop: 18822, Start Num: 71

Candidate Starts for Daffy_25:

(46, 18334), (Start: 71 @18400 has 232 MA's), (115, 18523), (116, 18529), (117, 18535), (140, 18598), (151, 18640), (181, 18718), (193, 18766), (198, 18790), (204, 18808), (205, 18814),

Gene: Daisy_26 Start: 19384, Stop: 19797, Start Num: 81

Candidate Starts for Daisy_26:

(Start: 81 @19384 has 42 MA's), (116, 19504), (117, 19510), (164, 19642), (197, 19768),

Gene: Daka_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Daka_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Danyall_28 Start: 18086, Stop: 18529, Start Num: 73

Candidate Starts for Danyall_28:

(Start: 73 @18086 has 107 MA's), (154, 18347), (198, 18503),

Gene: Dati_25 Start: 18390, Stop: 18812, Start Num: 70

Candidate Starts for Dati_25:

(Start: 70 @18390 has 54 MA's), (115, 18513), (116, 18519), (117, 18525), (140, 18588), (151, 18630), (181, 18708), (193, 18756), (198, 18780), (204, 18798), (205, 18804),

Gene: Deenasa_26 Start: 20126, Stop: 20539, Start Num: 81

Candidate Starts for Deenasa_26:

(Start: 81 @20126 has 42 MA's), (105, 20201), (116, 20246), (117, 20252), (164, 20384), (197, 20510),

Gene: DelRivs_24 Start: 18389, Stop: 18811, Start Num: 70

Candidate Starts for DelRivs_24:

(Start: 70 @18389 has 54 MA's), (116, 18518), (117, 18524), (140, 18587), (151, 18629), (181, 18707), (193, 18755), (198, 18779), (204, 18797), (205, 18803),

Gene: Delrey21_29 Start: 23097, Stop: 23528, Start Num: 73

Candidate Starts for Delrey21_29:

(54, 23070), (Start: 73 @23097 has 107 MA's), (105, 23181), (113, 23211), (116, 23226), (122, 23256), (129, 23277), (154, 23358), (158, 23364), (167, 23391), (184, 23436), (188, 23451), (197, 23499), (198, 23502),

Gene: Derg_27 Start: 21689, Stop: 22123, Start Num: 60

Candidate Starts for Derg_27:

(Start: 60 @21689 has 7 MA's), (98, 21743), (105, 21773), (122, 21848), (154, 21950), (163, 21971), (188, 22043), (198, 22094),

Gene: Derpp_24 Start: 18236, Stop: 18658, Start Num: 70

Candidate Starts for Derpp_24:

(Start: 70 @18236 has 54 MA's), (115, 18359), (116, 18365), (117, 18371), (140, 18434), (151, 18476), (181, 18554), (193, 18602), (198, 18626), (204, 18644), (205, 18650),

Gene: Devonte_26 Start: 19363, Stop: 19776, Start Num: 81

Candidate Starts for Devonte_26:

(Start: 81 @19363 has 42 MA's), (105, 19438), (116, 19483), (117, 19489), (164, 19621), (197, 19747),

Gene: Dxdert_28 Start: 20032, Stop: 20463, Start Num: 73

Candidate Starts for Dxdert_28:

(Start: 73 @20032 has 107 MA's), (105, 20116), (122, 20191), (129, 20212), (162, 20311), (167, 20326), (188, 20386), (197, 20434), (198, 20437), (200, 20446),

Gene: Dice_26 Start: 18377, Stop: 18799, Start Num: 71

Candidate Starts for Dice_26:

(46, 18311), (Start: 71 @18377 has 232 MA's), (115, 18500), (116, 18506), (117, 18512), (140, 18575), (151, 18617), (181, 18695), (193, 18743), (198, 18767), (204, 18785), (205, 18791),

Gene: DigitDog_25 Start: 18981, Stop: 19397, Start Num: 76

Candidate Starts for DigitDog_25:

(Start: 76 @18981 has 15 MA's), (140, 19173), (151, 19215), (172, 19266), (206, 19392),

Gene: Dingo_25 Start: 18661, Stop: 19083, Start Num: 71

Candidate Starts for Dingo_25:

(46, 18595), (Start: 71 @18661 has 232 MA's), (115, 18784), (116, 18790), (117, 18796), (140, 18859), (151, 18901), (181, 18979), (193, 19027), (198, 19051), (204, 19069), (205, 19075),

Gene: Dione_24 Start: 18378, Stop: 18800, Start Num: 71

Candidate Starts for Dione_24:

(46, 18312), (Start: 71 @18378 has 232 MA's), (115, 18501), (116, 18507), (117, 18513), (140, 18576), (151, 18618), (181, 18696), (193, 18744), (198, 18768), (204, 18786), (205, 18792),

Gene: DirtJuice_25 Start: 18663, Stop: 19085, Start Num: 71

Candidate Starts for DirtJuice_25:

(46, 18597), (Start: 71 @18663 has 232 MA's), (115, 18786), (116, 18792), (117, 18798), (140, 18861), (151, 18903), (181, 18981), (193, 19029), (198, 19053), (204, 19071), (205, 19077),

Gene: DoctorFroggo_29 Start: 23097, Stop: 23528, Start Num: 73

Candidate Starts for DoctorFroggo_29:

(54, 23070), (Start: 73 @23097 has 107 MA's), (105, 23181), (113, 23211), (116, 23226), (122, 23256), (129, 23277), (154, 23358), (158, 23364), (167, 23391), (184, 23436), (188, 23451), (197, 23499), (198, 23502),

Gene: Doddsville_25 Start: 18390, Stop: 18812, Start Num: 70

Candidate Starts for Doddsville_25:

(Start: 70 @18390 has 54 MA's), (115, 18513), (116, 18519), (117, 18525), (140, 18588), (151, 18630), (181, 18708), (193, 18756), (198, 18780), (204, 18798), (205, 18804),

Gene: DoesntMatter_25 Start: 18659, Stop: 19081, Start Num: 71

Candidate Starts for DoesntMatter_25:

(46, 18593), (Start: 71 @18659 has 232 MA's), (115, 18782), (116, 18788), (117, 18794), (140, 18857), (151, 18899), (172, 18950), (181, 18977), (193, 19025), (198, 19049), (204, 19067), (205, 19073),

Gene: DonSanchon_24 Start: 18376, Stop: 18798, Start Num: 71

Candidate Starts for DonSanchon_24:

(46, 18310), (Start: 71 @18376 has 232 MA's), (115, 18499), (116, 18505), (117, 18511), (140, 18574), (151, 18616), (181, 18694), (193, 18742), (198, 18766), (204, 18784), (205, 18790),

Gene: DonTron_53 Start: 29575, Stop: 30000, Start Num: 63

Candidate Starts for DonTron_53:

(Start: 63 @29575 has 46 MA's), (137, 29773), (164, 29845), (181, 29899), (188, 29914),

Gene: DonaldDuck_33 Start: 21950, Stop: 22354, Start Num: 56

Candidate Starts for DonaldDuck_33:

(40, 21893), (Start: 56 @21950 has 38 MA's), (83, 21986), (135, 22160), (144, 22181), (158, 22226), (161, 22235), (194, 22340), (197, 22349),

Gene: Donny_25 Start: 19394, Stop: 19810, Start Num: 76

Candidate Starts for Donny_25:

(Start: 76 @19394 has 15 MA's), (101, 19454), (117, 19523), (151, 19628), (166, 19658), (206, 19805),

Gene: Dori_22 Start: 16225, Stop: 16629, Start Num: 77

Candidate Starts for Dori_22:

(Start: 77 @16225 has 4 MA's), (105, 16303), (116, 16348), (117, 16354), (129, 16399), (140, 16420), (151, 16462), (164, 16486), (172, 16513), (176, 16525), (196, 16603),

Gene: DuchessDung_23 Start: 17527, Stop: 17949, Start Num: 70

Candidate Starts for DuchessDung_23:

(Start: 70 @17527 has 54 MA's), (115, 17650), (116, 17656), (117, 17662), (140, 17725), (151, 17767), (181, 17845), (193, 17893), (198, 17917), (204, 17935), (205, 17941),

Gene: Duggie_24 Start: 18392, Stop: 18814, Start Num: 70

Candidate Starts for Duggie_24:

(Start: 70 @18392 has 54 MA's), (115, 18515), (116, 18521), (117, 18527), (140, 18590), (151, 18632), (181, 18710), (193, 18758), (198, 18782), (204, 18800), (205, 18806),

Gene: DunneganBoMo_81 Start: 48911, Stop: 49255, Start Num: 96

Candidate Starts for DunneganBoMo_81:

(Start: 85 @48875 has 6 MA's), (Start: 96 @48911 has 7 MA's), (117, 48998), (139, 49061), (147, 49088), (148, 49097), (188, 49193),

Gene: Durga_25 Start: 18689, Stop: 19111, Start Num: 70

Candidate Starts for Durga_25:

(Start: 70 @18689 has 54 MA's), (115, 18812), (116, 18818), (117, 18824), (140, 18887), (151, 18929), (181, 19007), (193, 19055), (198, 19079), (204, 19097), (205, 19103),

Gene: EMoore_26 Start: 21587, Stop: 22018, Start Num: 73

Candidate Starts for EMoore_26:

(48, 21536), (54, 21560), (57, 21563), (Start: 73 @21587 has 107 MA's), (105, 21671), (116, 21716), (154, 21848), (184, 21926), (191, 21950), (197, 21989), (198, 21992),

Gene: Eaglehorse_27 Start: 20855, Stop: 21283, Start Num: 71

Candidate Starts for Eaglehorse_27:

(55, 20828), (Start: 71 @20855 has 232 MA's), (84, 20870), (116, 20987), (117, 20993), (123, 21020), (130, 21041), (140, 21059), (181, 21179), (185, 21185), (197, 21248), (205, 21275),

Gene: EarickHC_33 Start: 19271, Stop: 19675, Start Num: 63

Candidate Starts for EarickHC_33:

(Start: 63 @19271 has 46 MA's), (Start: 73 @19280 has 107 MA's), (91, 19307), (92, 19310), (117, 19406), (120, 19421), (123, 19433), (125, 19439), (143, 19481), (172, 19556), (184, 19589), (193, 19631), (203, 19670),

Gene: EastView9101_25 Start: 19041, Stop: 19457, Start Num: 76

Candidate Starts for EastView9101_25:

(Start: 76 @19041 has 15 MA's), (117, 19170), (140, 19233), (206, 19452),

Gene: EdmundFerry_26 Start: 19630, Stop: 20061, Start Num: 73

Candidate Starts for EdmundFerry_26:

(26, 19462), (Start: 73 @19630 has 107 MA's), (105, 19714), (122, 19789), (162, 19909), (167, 19924), (188, 19984), (191, 19993), (197, 20032), (198, 20035),

Gene: Emiris_25 Start: 18670, Stop: 19092, Start Num: 71

Candidate Starts for Emiris_25:

(46, 18604), (Start: 71 @18670 has 232 MA's), (115, 18793), (116, 18799), (117, 18805), (140, 18868), (151, 18910), (181, 18988), (193, 19036), (198, 19060), (204, 19078), (205, 19084),

Gene: EmpTee_25 Start: 18676, Stop: 19098, Start Num: 71

Candidate Starts for EmpTee_25:

(46, 18610), (Start: 71 @18676 has 232 MA's), (115, 18799), (116, 18805), (117, 18811), (140, 18874), (151, 18916), (181, 18994), (193, 19042), (198, 19066), (204, 19084), (205, 19090),

Gene: Eremos_25 Start: 18676, Stop: 19098, Start Num: 71

Candidate Starts for Eremos_25:

(46, 18610), (Start: 71 @18676 has 232 MA's), (115, 18799), (116, 18805), (117, 18811), (140, 18874), (151, 18916), (181, 18994), (193, 19042), (198, 19066), (204, 19084), (205, 19090),

Gene: Etaye_25 Start: 18662, Stop: 19084, Start Num: 70

Candidate Starts for Etaye_25:

(Start: 70 @18662 has 54 MA's), (115, 18785), (116, 18791), (117, 18797), (140, 18860), (151, 18902), (181, 18980), (193, 19028), (198, 19052), (204, 19070), (205, 19076),

Gene: Eugenia_25 Start: 18689, Stop: 19111, Start Num: 71

Candidate Starts for Eugenia_25:

(46, 18623), (Start: 71 @18689 has 232 MA's), (115, 18812), (116, 18818), (117, 18824), (140, 18887), (151, 18929), (181, 19007), (193, 19055), (198, 19079), (204, 19097), (205, 19103),

Gene: Evaa_23 Start: 18465, Stop: 18881, Start Num: 73

Candidate Starts for Evaa_23:

(Start: 73 @18465 has 107 MA's), (105, 18549), (117, 18600), (129, 18645), (164, 18732), (171, 18756),

Gene: Evamon_26 Start: 17572, Stop: 18015, Start Num: 73

Candidate Starts for Evamon_26:

(Start: 73 @17572 has 107 MA's), (154, 17833), (198, 17989),

Gene: Fang_25 Start: 18690, Stop: 19112, Start Num: 71

Candidate Starts for Fang_25:

(46, 18624), (Start: 71 @18690 has 232 MA's), (115, 18813), (116, 18819), (117, 18825), (140, 18888), (151, 18930), (181, 19008), (193, 19056), (198, 19080), (204, 19098), (205, 19104),

Gene: Faze9_27 Start: 20951, Stop: 21379, Start Num: 71

Candidate Starts for Faze9_27:

(55, 20924), (Start: 71 @20951 has 232 MA's), (84, 20966), (116, 21083), (117, 21089), (123, 21116), (130, 21137), (140, 21155), (181, 21275), (185, 21281), (197, 21344), (205, 21371),

Gene: Fireball_27 Start: 17704, Stop: 18147, Start Num: 73

Candidate Starts for Fireball_27:

(Start: 73 @17704 has 107 MA's), (154, 17965), (198, 18121),

Gene: Fireman_33 Start: 19161, Stop: 19565, Start Num: 63

Candidate Starts for Fireman_33:

(Start: 63 @19161 has 46 MA's), (Start: 79 @19176 has 24 MA's), (91, 19197), (92, 19200), (120, 19311), (123, 19323), (125, 19329), (143, 19371), (171, 19443), (172, 19446), (184, 19479), (193, 19521), (203, 19560),

Gene: Fitzgerald_28 Start: 23319, Stop: 23753, Start Num: 73

Candidate Starts for Fitzgerald_28:

(53, 23289), (Start: 73 @23319 has 107 MA's), (105, 23403), (122, 23478), (154, 23580), (163, 23601), (188, 23673), (198, 23724),

Gene: Fizzles_33 Start: 21660, Stop: 22067, Start Num: 56

Candidate Starts for Fizzles_33:

(41, 21606), (Start: 56 @21660 has 38 MA's), (64, 21672), (83, 21696), (144, 21891), (158, 21936), (161, 21945), (178, 21993), (194, 22053), (197, 22062),

Gene: Flatwoods_30 Start: 22050, Stop: 22484, Start Num: 60

Candidate Starts for Flatwoods_30:

(Start: 60 @22050 has 7 MA's), (98, 22104), (105, 22134), (122, 22209), (154, 22311), (163, 22332), (188, 22404), (198, 22455),

Gene: FluffyNinja_25 Start: 18682, Stop: 19104, Start Num: 71

Candidate Starts for FluffyNinja_25:

(46, 18616), (Start: 71 @18682 has 232 MA's), (115, 18805), (116, 18811), (117, 18817), (140, 18880), (151, 18922), (181, 19000), (193, 19048), (198, 19072), (204, 19090), (205, 19096),

Gene: Fortunato_23 Start: 19330, Stop: 19743, Start Num: 79

Candidate Starts for Fortunato_23:

(Start: 79 @19330 has 24 MA's), (115, 19444), (116, 19450), (117, 19456), (126, 19492), (145, 19531), (147, 19543), (151, 19561), (181, 19639), (188, 19654), (197, 19708), (198, 19711), (205, 19735),

Gene: Forza_96 Start: 51899, Stop: 52306, Start Num: 85

Candidate Starts for Forza_96:

(82, 51896), (Start: 85 @51899 has 6 MA's), (Start: 96 @51935 has 7 MA's), (108, 51989), (115, 52010), (147, 52112), (149, 52124), (161, 52166), (164, 52175), (172, 52202), (188, 52244), (193, 52277), (195, 52289), (197, 52298),

Gene: Fosterous_28 Start: 23152, Stop: 23586, Start Num: 73

Candidate Starts for Fosterous_28:

(53, 23122), (Start: 73 @23152 has 107 MA's), (105, 23236), (122, 23311), (130, 23335), (154, 23413), (188, 23506), (198, 23557),

Gene: Fozzie_24 Start: 18685, Stop: 19107, Start Num: 71

Candidate Starts for Fozzie_24:

(46, 18619), (Start: 71 @18685 has 232 MA's), (115, 18808), (116, 18814), (117, 18820), (140, 18883), (151, 18925), (181, 19003), (193, 19051), (198, 19075), (204, 19093), (205, 19099),

Gene: Frankicide_25 Start: 18676, Stop: 19098, Start Num: 71

Candidate Starts for Frankicide_25:

(46, 18610), (Start: 71 @18676 has 232 MA's), (115, 18799), (116, 18805), (117, 18811), (140, 18874), (151, 18916), (181, 18994), (193, 19042), (198, 19066), (204, 19084), (205, 19090),

Gene: Fransoyer_35 Start: 21775, Stop: 22191, Start Num: 56

Candidate Starts for Fransoyer_35:

(28, 21652), (48, 21742), (Start: 56 @21775 has 38 MA's), (106, 21886), (163, 22072), (165, 22075), (197, 22186),

Gene: Frederick_23 Start: 19339, Stop: 19752, Start Num: 79

Candidate Starts for Frederick_23:

(Start: 79 @19339 has 24 MA's), (115, 19453), (116, 19459), (117, 19465), (126, 19501), (145, 19540), (147, 19552), (151, 19570), (181, 19648), (188, 19663), (197, 19717), (198, 19720), (205, 19744),

Gene: Fregley_33 Start: 21097, Stop: 21492, Start Num: 56

Candidate Starts for Fregley_33:

(Start: 56 @21097 has 38 MA's), (91, 21148), (118, 21256), (144, 21331), (169, 21397), (194, 21484),

Gene: FrenchFry_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for FrenchFry_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: Fresco_22 Start: 17225, Stop: 17635, Start Num: 73

Candidate Starts for Fresco_22:

(Start: 73 @17225 has 107 MA's), (105, 17306), (115, 17345), (117, 17357), (128, 17399), (130, 17405), (140, 17423), (171, 17513),

Gene: Freya_24 Start: 18371, Stop: 18793, Start Num: 71

Candidate Starts for Freya_24:

(46, 18305), (Start: 71 @18371 has 232 MA's), (115, 18494), (116, 18500), (117, 18506), (140, 18569), (151, 18611), (181, 18689), (193, 18737), (198, 18761), (204, 18779), (205, 18785),

Gene: FriarPreacher_25 Start: 18696, Stop: 19118, Start Num: 71

Candidate Starts for FriarPreacher_25:

(46, 18630), (Start: 71 @18696 has 232 MA's), (115, 18819), (116, 18825), (117, 18831), (140, 18894), (151, 18936), (181, 19014), (193, 19062), (198, 19086), (204, 19104), (205, 19110),

Gene: Fringe_25 Start: 18660, Stop: 19082, Start Num: 71

Candidate Starts for Fringe_25:

(46, 18594), (Start: 71 @18660 has 232 MA's), (115, 18783), (116, 18789), (117, 18795), (140, 18858), (151, 18900), (181, 18978), (193, 19026), (198, 19050), (204, 19068), (205, 19074),

Gene: FugateOSU_24 Start: 18382, Stop: 18804, Start Num: 71

Candidate Starts for FugateOSU_24:

(46, 18316), (Start: 71 @18382 has 232 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (172, 18673), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: Fugax_28 Start: 18286, Stop: 18729, Start Num: 73

Candidate Starts for Fugax_28:

(Start: 73 @18286 has 107 MA's), (154, 18547), (198, 18703),

Gene: Funsized_28 Start: 21759, Stop: 22175, Start Num: 76

Candidate Starts for Funsized_28:

(Start: 76 @21759 has 15 MA's), (116, 21882), (117, 21888), (126, 21924), (151, 21993), (172, 22044), (181, 22071), (188, 22086), (205, 22167),

Gene: FuzzBuster_37 Start: 19497, Stop: 19925, Start Num: 63

Candidate Starts for FuzzBuster_37:

(Start: 63 @19497 has 46 MA's), (Start: 79 @19509 has 24 MA's), (92, 19533), (94, 19542), (105, 19587), (114, 19611), (120, 19644), (125, 19662), (128, 19671), (143, 19707), (168, 19791), (172, 19803), (188, 19851), (193, 19878), (199, 19905),

Gene: GMA2_25 Start: 22256, Stop: 22675, Start Num: 74

Candidate Starts for GMA2_25:

(74, 22256), (Start: 85 @22268 has 6 MA's), (102, 22325), (125, 22424), (147, 22481), (161, 22535), (164, 22544), (181, 22595), (195, 22655),

Gene: GTE6_27 Start: 20119, Stop: 20550, Start Num: 73

Candidate Starts for GTE6_27:

(26, 19951), (Start: 73 @20119 has 107 MA's), (105, 20203), (122, 20278), (162, 20398), (167, 20413), (191, 20482), (197, 20521), (198, 20524),

Gene: Gadjet_27 Start: 19373, Stop: 19786, Start Num: 81

Candidate Starts for Gadjet_27:

(Start: 81 @19373 has 42 MA's), (116, 19493), (117, 19499), (130, 19547), (164, 19631), (197, 19757),

Gene: Gaea_29 Start: 21701, Stop: 22135, Start Num: 60

Candidate Starts for Gaea_29:

(Start: 60 @21701 has 7 MA's), (98, 21755), (105, 21785), (122, 21860), (154, 21962), (163, 21983), (188, 22055), (198, 22106),

Gene: Galadriel_30 Start: 23641, Stop: 24075, Start Num: 73

Candidate Starts for Galadriel_30:

(53, 23611), (Start: 73 @23641 has 107 MA's), (105, 23725), (122, 23800), (130, 23824), (154, 23902), (188, 23995), (198, 24046),

Gene: Ganandorf_32 Start: 19407, Stop: 19811, Start Num: 63

Candidate Starts for Ganandorf_32:

(Start: 63 @19407 has 46 MA's), (Start: 73 @19416 has 107 MA's), (91, 19443), (92, 19446), (117, 19542), (120, 19557), (123, 19569), (125, 19575), (143, 19617), (172, 19692), (184, 19725), (193, 19767), (203, 19806),

Gene: Gareth_24 Start: 18379, Stop: 18801, Start Num: 71

Candidate Starts for Gareth_24:

(46, 18313), (Start: 71 @18379 has 232 MA's), (115, 18502), (116, 18508), (117, 18514), (140, 18577), (151, 18619), (181, 18697), (193, 18745), (198, 18769), (204, 18787), (205, 18793),

Gene: Gazebo_32 Start: 22390, Stop: 22803, Start Num: 56

Candidate Starts for Gazebo_32:

(40, 22333), (Start: 56 @22390 has 38 MA's), (Start: 96 @22462 has 7 MA's), (118, 22549), (153, 22666), (161, 22681),

Gene: GeneCoco_25 Start: 18681, Stop: 19103, Start Num: 70

Candidate Starts for GeneCoco_25:

(Start: 70 @18681 has 54 MA's), (115, 18804), (116, 18810), (117, 18816), (140, 18879), (151, 18921), (181, 18999), (193, 19047), (198, 19071), (204, 19089), (205, 19095),

Gene: Geodirt_27 Start: 22624, Stop: 23058, Start Num: 73

Candidate Starts for Geodirt_27:

(53, 22594), (Start: 73 @22624 has 107 MA's), (105, 22708), (122, 22783), (130, 22807), (154, 22885), (188, 22978), (198, 23029),

Gene: Gervas_26 Start: 19347, Stop: 19760, Start Num: 81

Candidate Starts for Gervas_26:

(Start: 81 @19347 has 42 MA's), (116, 19467), (117, 19473), (130, 19521), (164, 19605), (197, 19731),

Gene: Gezellig_27 Start: 17704, Stop: 18147, Start Num: 73

Candidate Starts for Gezellig_27:

(Start: 73 @17704 has 107 MA's), (154, 17965), (198, 18121),

Gene: Gina_34 Start: 19178, Stop: 19588, Start Num: 59

Candidate Starts for Gina_34:

(Start: 59 @19178 has 3 MA's), (Start: 63 @19184 has 46 MA's), (Start: 79 @19199 has 24 MA's), (120, 19334), (123, 19346), (143, 19394), (171, 19466), (172, 19469), (184, 19502), (188, 19517), (193, 19544), (203, 19583),

Gene: Giraffe_25 Start: 18384, Stop: 18806, Start Num: 71

Candidate Starts for Giraffe_25:

(46, 18318), (Start: 71 @18384 has 232 MA's), (115, 18507), (116, 18513), (117, 18519), (140, 18582), (151, 18624), (172, 18675), (181, 18702), (193, 18750), (198, 18774), (204, 18792), (205, 18798),

Gene: Glass_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for Glass_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: GlenHope_27 Start: 19356, Stop: 19769, Start Num: 81

Candidate Starts for GlenHope_27:

(Start: 81 @19356 has 42 MA's), (116, 19476), (117, 19482), (130, 19530), (164, 19614), (197, 19740),

Gene: GodPhather_20 Start: 18473, Stop: 18883, Start Num: 80

Candidate Starts for GodPhather_20:

(Start: 80 @18473 has 8 MA's), (105, 18548), (116, 18593), (117, 18599), (128, 18641), (140, 18665), (146, 18686), (180, 18788), (193, 18833),

Gene: Godines_27 Start: 20847, Stop: 21275, Start Num: 71

Candidate Starts for Godines_27:

(55, 20820), (Start: 71 @20847 has 232 MA's), (116, 20979), (117, 20985), (123, 21012), (130, 21033), (140, 21051), (181, 21171), (185, 21177), (197, 21240), (205, 21267),

Gene: GodonK_84 Start: 43620, Stop: 44033, Start Num: 65

Candidate Starts for GodonK_84:

(Start: 65 @43620 has 4 MA's), (89, 43653), (112, 43746), (117, 43770), (125, 43803), (136, 43830), (138, 43833), (166, 43905), (172, 43926), (187, 43965), (198, 44025),

Gene: Gophee_25 Start: 18662, Stop: 19084, Start Num: 71

Candidate Starts for Gophee_25:

(46, 18596), (Start: 71 @18662 has 232 MA's), (115, 18785), (116, 18791), (117, 18797), (140, 18860), (151, 18902), (181, 18980), (193, 19028), (198, 19052), (204, 19070), (205, 19076),

Gene: Grand2040_24 Start: 18399, Stop: 18821, Start Num: 71

Candidate Starts for Grand2040_24:

(46, 18333), (Start: 71 @18399 has 232 MA's), (115, 18522), (116, 18528), (117, 18534), (140, 18597), (151, 18639), (172, 18690), (181, 18717), (193, 18765), (198, 18789), (204, 18807), (205, 18813),

Gene: Grassboy_34 Start: 22564, Stop: 22977, Start Num: 56

Candidate Starts for Grassboy_34:

(40, 22507), (Start: 56 @22564 has 38 MA's), (118, 22723), (153, 22840), (161, 22855),

Gene: Gustavo_29 Start: 21853, Stop: 22287, Start Num: 73

Candidate Starts for Gustavo_29:

(Start: 63 @21844 has 46 MA's), (Start: 73 @21853 has 107 MA's), (105, 21937), (122, 22012), (154, 22114), (163, 22135), (184, 22192), (188, 22207), (198, 22258),

Gene: Gwilliam_25 Start: 18672, Stop: 19094, Start Num: 71

Candidate Starts for Gwilliam_25:

(46, 18606), (Start: 71 @18672 has 232 MA's), (115, 18795), (116, 18801), (117, 18807), (140, 18870), (151, 18912), (181, 18990), (193, 19038), (198, 19062), (204, 19080), (205, 19086),

Gene: Gyarad_0025 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for Gyarad_0025:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: HSavage_25 Start: 18682, Stop: 19104, Start Num: 71

Candidate Starts for HSavage_25:

(46, 18616), (Start: 71 @18682 has 232 MA's), (115, 18805), (116, 18811), (117, 18817), (140, 18880), (151, 18922), (181, 19000), (193, 19048), (198, 19072), (204, 19090), (205, 19096),

Gene: Haimas_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Haimas_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Haleema_24 Start: 18399, Stop: 18821, Start Num: 71

Candidate Starts for Haleema_24:

(46, 18333), (Start: 71 @18399 has 232 MA's), (115, 18522), (116, 18528), (117, 18534), (140, 18597), (151, 18639), (181, 18717), (193, 18765), (198, 18789), (204, 18807), (205, 18813),

Gene: Halfpint_25 Start: 19188, Stop: 19601, Start Num: 81

Candidate Starts for Halfpint_25:

(Start: 81 @19188 has 42 MA's), (116, 19308), (117, 19314), (130, 19362), (164, 19446), (197, 19572),

Gene: Halo3_27 Start: 17997, Stop: 18440, Start Num: 73

Candidate Starts for Halo3_27:

(Start: 73 @17997 has 107 MA's), (154, 18258), (198, 18414),

Gene: Hamish_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for Hamish_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: Hangman_23 Start: 19331, Stop: 19744, Start Num: 79

Candidate Starts for Hangman_23:

(Start: 79 @19331 has 24 MA's), (115, 19445), (116, 19451), (117, 19457), (126, 19493), (145, 19532), (147, 19544), (151, 19562), (181, 19640), (197, 19709), (198, 19712), (205, 19736),

Gene: Hans_30 Start: 21408, Stop: 21839, Start Num: 73

Candidate Starts for Hans_30:

(21, 21216), (54, 21381), (Start: 73 @21408 has 107 MA's), (105, 21492), (129, 21588), (154, 21669), (158, 21675), (162, 21687), (184, 21747), (191, 21771), (197, 21810), (198, 21813),

Gene: Hartsy_25 Start: 18692, Stop: 19114, Start Num: 70

Candidate Starts for Hartsy_25:

(Start: 70 @18692 has 54 MA's), (103, 18764), (115, 18815), (116, 18821), (117, 18827), (140, 18890), (151, 18932), (181, 19010), (193, 19058), (198, 19082), (204, 19100), (205, 19106),

Gene: Harvey_25 Start: 18698, Stop: 19120, Start Num: 71

Candidate Starts for Harvey_25:

(46, 18632), (Start: 71 @18698 has 232 MA's), (115, 18821), (116, 18827), (117, 18833), (140, 18896), (151, 18938), (181, 19016), (193, 19064), (198, 19088), (204, 19106), (205, 19112),

Gene: HarveySr_26 Start: 19343, Stop: 19756, Start Num: 81

Candidate Starts for HarveySr_26:

(Start: 81 @19343 has 42 MA's), (116, 19463), (117, 19469), (164, 19601), (197, 19727),

Gene: Hashim76_29 Start: 19154, Stop: 19570, Start Num: 76

Candidate Starts for Hashim76_29:

(Start: 76 @19154 has 15 MA's), (116, 19277), (122, 19307), (181, 19466), (188, 19481), (205, 19562),

Gene: Heath_22 Start: 18962, Stop: 19375, Start Num: 79

Candidate Starts for Heath_22:

(Start: 79 @18962 has 24 MA's), (115, 19076), (116, 19082), (117, 19088), (126, 19124), (145, 19163), (147, 19175), (151, 19193), (181, 19271), (197, 19340), (198, 19343), (205, 19367),

Gene: Heathcliff_26 Start: 19325, Stop: 19738, Start Num: 81

Candidate Starts for Heathcliff_26:

(Start: 81 @19325 has 42 MA's), (116, 19445), (117, 19451), (130, 19499), (164, 19583), (197, 19709),

Gene: Hedgerow_27 Start: 20936, Stop: 21364, Start Num: 71

Candidate Starts for Hedgerow_27:

(55, 20909), (Start: 71 @20936 has 232 MA's), (84, 20951), (116, 21068), (117, 21074), (123, 21101), (130, 21122), (140, 21140), (181, 21260), (185, 21266), (197, 21329), (205, 21356),

Gene: Held_25 Start: 18383, Stop: 18805, Start Num: 71

Candidate Starts for Held_25:

(46, 18317), (Start: 71 @18383 has 232 MA's), (115, 18506), (116, 18512), (117, 18518), (140, 18581), (151, 18623), (181, 18701), (193, 18749), (198, 18773), (204, 18791), (205, 18797),

Gene: HenryJackson_24 Start: 18399, Stop: 18821, Start Num: 71

Candidate Starts for HenryJackson_24:

(46, 18333), (Start: 71 @18399 has 232 MA's), (115, 18522), (116, 18528), (117, 18534), (140, 18597), (151, 18639), (181, 18717), (193, 18765), (198, 18789), (204, 18807), (205, 18813),

Gene: Hermeonysus_32 Start: 19280, Stop: 19684, Start Num: 63

Candidate Starts for Hermeonysus_32:

(Start: 63 @19280 has 46 MA's), (Start: 73 @19289 has 107 MA's), (91, 19316), (92, 19319), (117, 19415), (120, 19430), (123, 19442), (125, 19448), (143, 19490), (172, 19565), (184, 19598), (193, 19640), (203, 19679),

Gene: Hertubise_25 Start: 18691, Stop: 19113, Start Num: 71

Candidate Starts for Hertubise_25:

(46, 18625), (Start: 71 @18691 has 232 MA's), (115, 18814), (116, 18820), (117, 18826), (140, 18889), (151, 18931), (181, 19009), (193, 19057), (198, 19081), (204, 19099), (205, 19105),

Gene: Hetaeria_25 Start: 18692, Stop: 19114, Start Num: 71

Candidate Starts for Hetaeria_25:

(46, 18626), (Start: 71 @18692 has 232 MA's), (115, 18815), (116, 18821), (117, 18827), (140, 18890), (151, 18932), (172, 18983), (181, 19010), (193, 19058), (198, 19082), (204, 19100), (205, 19106),

Gene: HighStump_24 Start: 18382, Stop: 18804, Start Num: 71

Candidate Starts for HighStump_24:

(46, 18316), (Start: 71 @18382 has 232 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (172, 18673), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: Hocus_24 Start: 18385, Stop: 18807, Start Num: 70

Candidate Starts for Hocus_24:

(Start: 70 @18385 has 54 MA's), (115, 18508), (116, 18514), (117, 18520), (140, 18583), (151, 18625), (181, 18703), (193, 18751), (198, 18775), (204, 18793), (205, 18799),

Gene: Holeinone_27 Start: 20832, Stop: 21260, Start Num: 71

Candidate Starts for Holeinone_27:

(55, 20805), (Start: 71 @20832 has 232 MA's), (84, 20847), (116, 20964), (117, 20970), (123, 20997), (130, 21018), (140, 21036), (181, 21156), (185, 21162), (197, 21225), (205, 21252),

Gene: Honeyfin_34 Start: 19595, Stop: 19999, Start Num: 63

Candidate Starts for Honeyfin_34:

(Start: 63 @19595 has 46 MA's), (Start: 73 @19604 has 107 MA's), (91, 19631), (92, 19634), (117, 19730), (120, 19745), (123, 19757), (125, 19763), (143, 19805), (172, 19880), (184, 19913), (193, 19955), (203, 19994),

Gene: Horchata_25 Start: 18661, Stop: 19083, Start Num: 71

Candidate Starts for Horchata_25:

(46, 18595), (Start: 71 @18661 has 232 MA's), (115, 18784), (116, 18790), (117, 18796), (140, 18859), (151, 18901), (181, 18979), (193, 19027), (198, 19051), (204, 19069), (205, 19075),

Gene: Hosp_019 Start: 16062, Stop: 16475, Start Num: 70

Candidate Starts for Hosp_019:

(Start: 70 @16062 has 54 MA's), (107, 16152), (126, 16230), (140, 16257), (151, 16299), (180, 16374),

Gene: Hydro_23 Start: 19336, Stop: 19749, Start Num: 79

Candidate Starts for Hydro_23:

(Start: 79 @19336 has 24 MA's), (115, 19450), (116, 19456), (117, 19462), (126, 19498), (145, 19537), (147, 19549), (151, 19567), (181, 19645), (193, 19693), (197, 19714), (198, 19717), (205, 19741),

Gene: Hyperion_32 Start: 22347, Stop: 22760, Start Num: 56

Candidate Starts for Hyperion_32:

(40, 22290), (Start: 56 @22347 has 38 MA's), (118, 22506), (153, 22623), (161, 22638),

Gene: ImtiyazSitla_24 Start: 18226, Stop: 18648, Start Num: 70

Candidate Starts for ImtiyazSitla_24:

(Start: 70 @18226 has 54 MA's), (115, 18349), (116, 18355), (117, 18361), (140, 18424), (151, 18466), (181, 18544), (193, 18592), (198, 18616), (204, 18634), (205, 18640),

Gene: Imvubu_19 Start: 16429, Stop: 16845, Start Num: 76

Candidate Starts for Imvubu_19:

(Start: 76 @16429 has 15 MA's), (84, 16438), (116, 16552), (145, 16633), (174, 16723), (204, 16831), (205, 16837),

Gene: Inchworm_25 Start: 18668, Stop: 19090, Start Num: 71

Candidate Starts for Inchworm_25:

(46, 18602), (Start: 71 @18668 has 232 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: Indlovu_23 Start: 19044, Stop: 19460, Start Num: 70

Candidate Starts for Indlovu_23:

(Start: 70 @19044 has 54 MA's), (126, 19212), (151, 19281), (181, 19359), (197, 19428), (198, 19431),

Gene: Inspectinfecti_29 Start: 21832, Stop: 22263, Start Num: 73

Candidate Starts for Inspectinfecti_29:

(18, 21604), (21, 21640), (54, 21805), (Start: 73 @21832 has 107 MA's), (105, 21916), (129, 22012), (154, 22093), (158, 22099), (162, 22111), (184, 22171), (191, 22195), (197, 22234), (198, 22237),

Gene: Inverness_25 Start: 18682, Stop: 19104, Start Num: 71

Candidate Starts for Inverness_25:

(46, 18616), (Start: 71 @18682 has 232 MA's), (115, 18805), (116, 18811), (117, 18817), (140, 18880), (151, 18922), (181, 19000), (193, 19048), (198, 19072), (204, 19090), (205, 19096),

Gene: Iridoclysis_25 Start: 18656, Stop: 19078, Start Num: 71

Candidate Starts for Iridoclysis_25:

(46, 18590), (Start: 71 @18656 has 232 MA's), (115, 18779), (116, 18785), (117, 18791), (140, 18854), (151, 18896), (181, 18974), (193, 19022), (198, 19046), (204, 19064), (205, 19070),

Gene: IsaacEli_25 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for IsaacEli_25:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (172, 18977), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: ItsyBitsy1_27 Start: 20825, Stop: 21253, Start Num: 71

Candidate Starts for ItsyBitsy1_27:

(55, 20798), (Start: 71 @20825 has 232 MA's), (84, 20840), (116, 20957), (117, 20963), (123, 20990), (130, 21011), (140, 21029), (181, 21149), (185, 21155), (197, 21218), (205, 21245),

Gene: JAMaL_23 Start: 19500, Stop: 19913, Start Num: 79

Candidate Starts for JAMaL_23:

(Start: 79 @19500 has 24 MA's), (Start: 96 @19539 has 7 MA's), (117, 19626), (140, 19689), (145, 19701), (151, 19731), (205, 19905),

Gene: JDog_24 Start: 18392, Stop: 18814, Start Num: 70

Candidate Starts for JDog_24:

(Start: 70 @18392 has 54 MA's), (115, 18515), (116, 18521), (117, 18527), (140, 18590), (151, 18632), (181, 18710), (193, 18758), (198, 18782), (204, 18800), (205, 18806),

Gene: JKSyngboy_27 Start: 22410, Stop: 22844, Start Num: 60

Candidate Starts for JKSyngboy_27:

(Start: 60 @22410 has 7 MA's), (98, 22464), (105, 22494), (113, 22524), (122, 22569), (154, 22671), (163, 22692), (188, 22764), (198, 22815),

Gene: Jabberwocky_28 Start: 23780, Stop: 24214, Start Num: 73

Candidate Starts for Jabberwocky_28:

(53, 23750), (Start: 73 @23780 has 107 MA's), (105, 23864), (122, 23939), (130, 23963), (154, 24041), (163, 24062), (188, 24134), (198, 24185),

Gene: JacAttac_25 Start: 18668, Stop: 19090, Start Num: 71

Candidate Starts for JacAttac_25:

(46, 18602), (Start: 71 @18668 has 232 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: JaguarMi_23 Start: 18798, Stop: 19211, Start Num: 79

Candidate Starts for JaguarMi_23:

(Start: 79 @18798 has 24 MA's), (115, 18912), (116, 18918), (117, 18924), (126, 18960), (145, 18999), (147, 19011), (151, 19029), (181, 19107), (197, 19176), (198, 19179), (205, 19203),

Gene: JakeO_24 Start: 18392, Stop: 18814, Start Num: 70

Candidate Starts for JakeO_24:

(Start: 70 @18392 has 54 MA's), (115, 18515), (116, 18521), (117, 18527), (140, 18590), (151, 18632), (181, 18710), (193, 18758), (198, 18782), (204, 18800), (205, 18806),

Gene: Jambalaya_26 Start: 17351, Stop: 17794, Start Num: 73

Candidate Starts for Jambalaya_26:

(Start: 73 @17351 has 107 MA's), (154, 17612), (198, 17768),

Gene: JangoPhett_25 Start: 18666, Stop: 19088, Start Num: 71

Candidate Starts for JangoPhett_25:

(46, 18600), (Start: 71 @18666 has 232 MA's), (115, 18789), (116, 18795), (117, 18801), (140, 18864), (151, 18906), (181, 18984), (193, 19032), (198, 19056), (204, 19074), (205, 19080),

Gene: Jayden_34 Start: 19325, Stop: 19741, Start Num: 59

Candidate Starts for Jayden_34:

(Start: 59 @19325 has 3 MA's), (Start: 63 @19331 has 46 MA's), (120, 19487), (123, 19499), (125, 19505), (143, 19547), (171, 19619), (172, 19622), (184, 19655), (188, 19670), (193, 19697), (203, 19736),

Gene: Jefe_33 Start: 19332, Stop: 19736, Start Num: 63

Candidate Starts for Jefe_33:

(Start: 63 @19332 has 46 MA's), (Start: 73 @19341 has 107 MA's), (91, 19368), (92, 19371), (117, 19467), (120, 19482), (123, 19494), (125, 19500), (143, 19542), (172, 19617), (184, 19650), (193, 19692), (203, 19731),

Gene: Jehoshaphat_35 Start: 22869, Stop: 23273, Start Num: 56

Candidate Starts for Jehoshaphat_35:

(40, 22812), (Start: 56 @22869 has 38 MA's), (83, 22905), (135, 23079), (144, 23100), (158, 23145), (161, 23154), (194, 23259), (197, 23268),

Gene: Jeon_19 Start: 18215, Stop: 18625, Start Num: 80

Candidate Starts for Jeon_19:

(Start: 80 @18215 has 8 MA's), (105, 18290), (116, 18335), (117, 18341), (128, 18383), (140, 18407), (146, 18428), (180, 18530), (193, 18575),

Gene: Jillium_24 Start: 18392, Stop: 18814, Start Num: 71

Candidate Starts for Jillium_24:

(46, 18326), (Start: 71 @18392 has 232 MA's), (115, 18515), (116, 18521), (117, 18527), (140, 18590), (151, 18632), (181, 18710), (193, 18758), (198, 18782), (204, 18800), (205, 18806),

Gene: Jiminy_24 Start: 18230, Stop: 18652, Start Num: 70

Candidate Starts for Jiminy_24:

(Start: 70 @18230 has 54 MA's), (115, 18353), (116, 18359), (117, 18365), (140, 18428), (151, 18470), (181, 18548), (193, 18596), (198, 18620), (204, 18638), (205, 18644),

Gene: Jiraiya_25 Start: 18390, Stop: 18812, Start Num: 71

Candidate Starts for Jiraiya_25:

(46, 18324), (Start: 71 @18390 has 232 MA's), (115, 18513), (116, 18519), (117, 18525), (140, 18588), (151, 18630), (181, 18708), (193, 18756), (198, 18780), (204, 18798), (205, 18804),

Gene: Jolie1_021 Start: 17832, Stop: 18245, Start Num: 70

Candidate Starts for Jolie1_021:

(Start: 70 @17832 has 54 MA's), (126, 18000), (129, 18009), (140, 18027), (180, 18144),

Gene: Jollipop_33 Start: 19677, Stop: 20081, Start Num: 63

Candidate Starts for Jollipop_33:

(Start: 63 @19677 has 46 MA's), (Start: 73 @19686 has 107 MA's), (91, 19713), (92, 19716), (117, 19812), (120, 19827), (123, 19839), (125, 19845), (143, 19887), (172, 19962), (184, 19995), (193, 20037), (203, 20076),

Gene: Judebell_35 Start: 22375, Stop: 22779, Start Num: 56

Candidate Starts for Judebell_35:

(Start: 56 @22375 has 38 MA's), (64, 22387), (135, 22585), (144, 22606), (158, 22651), (161, 22660), (194, 22765), (197, 22774),

Gene: KLucky39_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for KLucky39_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Kahve_24 Start: 18396, Stop: 18818, Start Num: 71

Candidate Starts for Kahve_24:

(46, 18330), (Start: 71 @18396 has 232 MA's), (115, 18519), (116, 18525), (117, 18531), (140, 18594), (151, 18636), (172, 18687), (181, 18714), (193, 18762), (198, 18786), (204, 18804), (205, 18810),

Gene: KaiHaiDragon_33 Start: 19271, Stop: 19675, Start Num: 63

Candidate Starts for KaiHaiDragon_33:

(Start: 63 @19271 has 46 MA's), (Start: 73 @19280 has 107 MA's), (91, 19307), (92, 19310), (117, 19406), (120, 19421), (123, 19433), (125, 19439), (143, 19481), (172, 19556), (184, 19589), (193, 19631), (203, 19670),

Gene: Kailash_25 Start: 18704, Stop: 19126, Start Num: 70

Candidate Starts for Kailash_25:

(Start: 70 @18704 has 54 MA's), (103, 18776), (115, 18827), (116, 18833), (117, 18839), (140, 18902), (151, 18944), (181, 19022), (193, 19070), (198, 19094), (204, 19112), (205, 19118),

Gene: Kaleb_27 Start: 20951, Stop: 21379, Start Num: 71

Candidate Starts for Kaleb_27:

(55, 20924), (Start: 71 @20951 has 232 MA's), (84, 20966), (116, 21083), (117, 21089), (123, 21116), (130, 21137), (140, 21155), (181, 21275), (185, 21281), (197, 21344), (205, 21371),

Gene: Kamashten_29 Start: 23229, Stop: 23663, Start Num: 73

Candidate Starts for Kamashten_29:

(53, 23199), (Start: 73 @23229 has 107 MA's), (105, 23313), (122, 23388), (130, 23412), (154, 23490), (163, 23511), (188, 23583), (198, 23634),

Gene: Kamiyu_26 Start: 19332, Stop: 19745, Start Num: 81

Candidate Starts for Kamiyu_26:

(Start: 81 @19332 has 42 MA's), (105, 19407), (116, 19452), (117, 19458), (164, 19590), (197, 19716),

Gene: Katniss_25 Start: 18694, Stop: 19116, Start Num: 71

Candidate Starts for Katniss_25:

(46, 18628), (Start: 71 @18694 has 232 MA's), (115, 18817), (116, 18823), (117, 18829), (140, 18892), (151, 18934), (181, 19012), (193, 19060), (198, 19084), (204, 19102), (205, 19108),

Gene: KayaCho_21 Start: 17836, Stop: 18249, Start Num: 70

Candidate Starts for KayaCho_21:

(Start: 70 @17836 has 54 MA's), (117, 17968), (126, 18004), (140, 18031), (151, 18073), (180, 18148), (181, 18151),

Gene: Keitabear_30 Start: 24585, Stop: 25019, Start Num: 73

Candidate Starts for Keitabear_30:

(53, 24555), (Start: 73 @24585 has 107 MA's), (105, 24669), (122, 24744), (130, 24768), (154, 24846), (163, 24867), (188, 24939), (198, 24990),

Gene: Keitherie_25 Start: 18714, Stop: 19136, Start Num: 70

Candidate Starts for Keitherie_25:

(Start: 70 @18714 has 54 MA's), (103, 18786), (115, 18837), (116, 18843), (117, 18849), (140, 18912), (151, 18954), (181, 19032), (193, 19080), (198, 19104), (204, 19122), (205, 19128),

Gene: Kelcole_31 Start: 20979, Stop: 21374, Start Num: 56

Candidate Starts for Kelcole_31:

(Start: 56 @20979 has 38 MA's), (87, 21021), (91, 21030), (118, 21138), (153, 21252), (169, 21279), (194, 21366),

Gene: Kewpiedoll_29 Start: 22426, Stop: 22860, Start Num: 73

Candidate Starts for Kewpiedoll_29:

(53, 22396), (Start: 73 @22426 has 107 MA's), (105, 22510), (122, 22585), (130, 22609), (154, 22687), (163, 22708), (188, 22780), (198, 22831),

Gene: Kheth_27 Start: 20837, Stop: 21265, Start Num: 71

Candidate Starts for Kheth_27:

(55, 20810), (Start: 71 @20837 has 232 MA's), (84, 20852), (116, 20969), (117, 20975), (123, 21002), (130, 21023), (140, 21041), (181, 21161), (185, 21167), (197, 21230), (205, 21257),

Gene: Kikipoo_25 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for Kikipoo_25:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (172, 18977), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: Kimbrough_25 Start: 18388, Stop: 18810, Start Num: 71

Candidate Starts for Kimbrough_25:

(46, 18322), (Start: 71 @18388 has 232 MA's), (115, 18511), (116, 18517), (117, 18523), (140, 18586), (151, 18628), (181, 18706), (193, 18754), (198, 18778), (204, 18796), (205, 18802),

Gene: KimmyK_28 Start: 18286, Stop: 18729, Start Num: 73

Candidate Starts for KimmyK_28:

(Start: 73 @18286 has 107 MA's), (154, 18547), (198, 18703),

Gene: KingVeVeVe_25 Start: 18665, Stop: 19087, Start Num: 71

Candidate Starts for KingVeVeVe_25:

(46, 18599), (Start: 71 @18665 has 232 MA's), (115, 18788), (116, 18794), (117, 18800), (140, 18863), (151, 18905), (181, 18983), (193, 19031), (198, 19055), (204, 19073), (205, 19079),

Gene: KlimbOn_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for KlimbOn_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Kloppinator_25 Start: 18694, Stop: 19116, Start Num: 71

Candidate Starts for Kloppinator_25:

(46, 18628), (Start: 71 @18694 has 232 MA's), (115, 18817), (116, 18823), (117, 18829), (140, 18892), (151, 18934), (181, 19012), (193, 19060), (198, 19084), (204, 19102), (205, 19108),

Gene: Knocker_27 Start: 21795, Stop: 22214, Start Num: 76

Candidate Starts for Knocker_27:

(Start: 76 @21795 has 15 MA's), (117, 21924), (126, 21960), (147, 22011), (151, 22029), (172, 22080), (181, 22107), (188, 22122), (198, 22179), (204, 22197), (205, 22203),

Gene: Kowalski_32 Start: 19387, Stop: 19791, Start Num: 63

Candidate Starts for Kowalski_32:

(Start: 63 @19387 has 46 MA's), (Start: 73 @19396 has 107 MA's), (91, 19423), (92, 19426), (117, 19522), (120, 19537), (123, 19549), (125, 19555), (143, 19597), (172, 19672), (184, 19705), (193, 19747), (203, 19786),

Gene: Kozie_29 Start: 19096, Stop: 19503, Start Num: 63

Candidate Starts for Kozie_29:

(Start: 63 @19096 has 46 MA's), (Start: 79 @19111 has 24 MA's), (Start: 96 @19153 has 7 MA's), (111, 19204), (120, 19246), (125, 19264), (152, 19330), (171, 19378), (172, 19381), (173, 19384), (184, 19414), (188, 19429), (193, 19456), (203, 19495),

Gene: Kronus_25 Start: 19946, Stop: 20359, Start Num: 81

Candidate Starts for Kronus_25:

(Start: 81 @19946 has 42 MA's), (116, 20066), (117, 20072), (130, 20120), (164, 20204), (197, 20330),

Gene: Kroos_30 Start: 22606, Stop: 23040, Start Num: 73

Candidate Starts for Kroos_30:

(Start: 63 @22597 has 46 MA's), (Start: 73 @22606 has 107 MA's), (105, 22690), (122, 22765), (154, 22867), (163, 22888), (184, 22945), (188, 22960), (198, 23011),

Gene: Kwadwo_24 Start: 18378, Stop: 18800, Start Num: 71

Candidate Starts for Kwadwo_24:

(46, 18312), (Start: 71 @18378 has 232 MA's), (115, 18501), (116, 18507), (117, 18513), (140, 18576), (151, 18618), (181, 18696), (193, 18744), (198, 18768), (204, 18786), (205, 18792),

Gene: Kwekel_27 Start: 19551, Stop: 19982, Start Num: 73

Candidate Starts for Kwekel_27:

(Start: 73 @19551 has 107 MA's), (105, 19635), (122, 19710), (129, 19731), (162, 19830), (167, 19845), (188, 19905), (197, 19953), (198, 19956), (200, 19965),

Gene: Kwksand96_24 Start: 18240, Stop: 18662, Start Num: 70

Candidate Starts for Kwksand96_24:

(Start: 70 @18240 has 54 MA's), (115, 18363), (116, 18369), (117, 18375), (140, 18438), (151, 18480), (181, 18558), (193, 18606), (198, 18630), (204, 18648), (205, 18654),

Gene: Kwobi_30 Start: 22592, Stop: 23026, Start Num: 73

Candidate Starts for Kwobi_30:

(Start: 63 @22583 has 46 MA's), (Start: 73 @22592 has 107 MA's), (105, 22676), (122, 22751), (154, 22853), (163, 22874), (184, 22931), (188, 22946), (198, 22997),

Gene: Kyva_35 Start: 22599, Stop: 23012, Start Num: 56

Candidate Starts for Kyva_35:

(40, 22542), (Start: 56 @22599 has 38 MA's), (118, 22758), (153, 22875), (161, 22890),

Gene: Labeouficaum_24 Start: 18236, Stop: 18658, Start Num: 70

Candidate Starts for Labeouficaum_24:

(Start: 70 @18236 has 54 MA's), (115, 18359), (116, 18365), (117, 18371), (140, 18434), (151, 18476), (181, 18554), (193, 18602), (198, 18626), (204, 18644), (205, 18650),

Gene: Lars_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for Lars_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: LasagnaCat_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for LasagnaCat_25:

(39, 18590), (46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Lasso_25 Start: 18653, Stop: 19075, Start Num: 71

Candidate Starts for Lasso_25:

(46, 18587), (Start: 71 @18653 has 232 MA's), (115, 18776), (116, 18782), (117, 18788), (140, 18851), (151, 18893), (172, 18944), (181, 18971), (193, 19019), (198, 19043), (204, 19061), (205, 19067),

Gene: Laurie_27 Start: 20832, Stop: 21260, Start Num: 71

Candidate Starts for Laurie_27:

(55, 20805), (Start: 71 @20832 has 232 MA's), (84, 20847), (116, 20964), (117, 20970), (123, 20997), (130, 21018), (140, 21036), (151, 21078), (181, 21156), (185, 21162), (197, 21225), (205, 21252),

Gene: LeeLot_25 Start: 18678, Stop: 19100, Start Num: 71

Candidate Starts for LeeLot_25:

(46, 18612), (Start: 71 @18678 has 232 MA's), (115, 18801), (116, 18807), (117, 18813), (140, 18876), (151, 18918), (181, 18996), (193, 19044), (198, 19068), (204, 19086), (205, 19092),

Gene: Lego3393_25 Start: 18690, Stop: 19112, Start Num: 71

Candidate Starts for Lego3393_25:

(46, 18624), (Start: 71 @18690 has 232 MA's), (115, 18813), (116, 18819), (117, 18825), (140, 18888), (151, 18930), (181, 19008), (193, 19056), (198, 19080), (204, 19098), (205, 19104),

Gene: Legolas_24 Start: 18394, Stop: 18816, Start Num: 71

Candidate Starts for Legolas_24:

(46, 18328), (Start: 71 @18394 has 232 MA's), (115, 18517), (116, 18523), (117, 18529), (140, 18592), (151, 18634), (181, 18712), (193, 18760), (198, 18784), (204, 18802), (205, 18808),

Gene: LeiMonet_25 Start: 18385, Stop: 18807, Start Num: 71

Candidate Starts for LeiMonet_25:

(46, 18319), (Start: 71 @18385 has 232 MA's), (115, 18508), (116, 18514), (117, 18520), (140, 18583), (151, 18625), (172, 18676), (181, 18703), (193, 18751), (198, 18775), (204, 18793), (205, 18799),

Gene: LemonSlice_25 Start: 18385, Stop: 18807, Start Num: 71

Candidate Starts for LemonSlice_25:

(46, 18319), (Start: 71 @18385 has 232 MA's), (115, 18508), (116, 18514), (117, 18520), (140, 18583), (151, 18625), (181, 18703), (193, 18751), (198, 18775), (204, 18793), (205, 18799),

Gene: Lennon_30 Start: 24387, Stop: 24821, Start Num: 73

Candidate Starts for Lennon_30:

(53, 24357), (Start: 73 @24387 has 107 MA's), (105, 24471), (122, 24546), (154, 24648), (163, 24669), (188, 24741), (198, 24792),

Gene: Leonard_28 Start: 21406, Stop: 21837, Start Num: 73

Candidate Starts for Leonard_28:

(18, 21178), (21, 21214), (54, 21379), (57, 21382), (Start: 73 @21406 has 107 MA's), (105, 21490), (129, 21586), (154, 21667), (158, 21673), (162, 21685), (184, 21745), (191, 21769), (197, 21808), (198, 21811),

Gene: Lephleur_27 Start: 20837, Stop: 21265, Start Num: 71

Candidate Starts for Lephleur_27:

(55, 20810), (Start: 71 @20837 has 232 MA's), (84, 20852), (116, 20969), (117, 20975), (123, 21002), (130, 21023), (140, 21041), (181, 21161), (185, 21167), (197, 21230), (205, 21257),

Gene: LestyG_26 Start: 19367, Stop: 19780, Start Num: 81

Candidate Starts for LestyG_26:

(Start: 81 @19367 has 42 MA's), (105, 19442), (116, 19487), (117, 19493), (164, 19625), (197, 19751),

Gene: Ligma_22 Start: 17225, Stop: 17635, Start Num: 73

Candidate Starts for Ligma_22:

(Start: 73 @17225 has 107 MA's), (105, 17306), (115, 17345), (117, 17357), (128, 17399), (130, 17405), (140, 17423), (171, 17513),

Gene: LilHam_27 Start: 21186, Stop: 21620, Start Num: 73

Candidate Starts for LilHam_27:

(Start: 63 @21177 has 46 MA's), (Start: 73 @21186 has 107 MA's), (105, 21270), (122, 21345), (154, 21447), (163, 21468), (184, 21525), (188, 21540), (198, 21591),

Gene: LilMcDreamy_22 Start: 19306, Stop: 19722, Start Num: 76

Candidate Starts for LilMcDreamy_22:

(Start: 76 @19306 has 15 MA's), (107, 19393), (116, 19429), (117, 19435), (166, 19570), (181, 19618),

Gene: Lilbeanie_25 Start: 16498, Stop: 16914, Start Num: 71

Candidate Starts for Lilbeanie_25:

(Start: 71 @16498 has 232 MA's), (105, 16585), (167, 16795), (198, 16888),

Gene: LittleFortune_34 Start: 19637, Stop: 20041, Start Num: 63

Candidate Starts for LittleFortune_34:

(Start: 63 @19637 has 46 MA's), (Start: 73 @19646 has 107 MA's), (91, 19673), (92, 19676), (117, 19772), (120, 19787), (123, 19799), (125, 19805), (143, 19847), (172, 19922), (184, 19955), (193, 19997), (203, 20036),

Gene: LittleMunchkin_24 Start: 20052, Stop: 20465, Start Num: 73

Candidate Starts for LittleMunchkin_24:

(Start: 73 @20052 has 107 MA's), (103, 20121), (105, 20133), (117, 20184), (130, 20232), (181, 20370), (197, 20439),

Gene: LizLemon_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for LizLemon_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: Llemily_33 Start: 21681, Stop: 22049, Start Num: 83

Candidate Starts for Llemily_33:

(40, 21588), (Start: 56 @21645 has 38 MA's), (83, 21681), (135, 21855), (144, 21876), (158, 21921), (161, 21930), (194, 22035), (197, 22044),

Gene: Lolalove_23 Start: 19333, Stop: 19746, Start Num: 79

Candidate Starts for Lolalove_23:

(Start: 79 @19333 has 24 MA's), (115, 19447), (116, 19453), (117, 19459), (126, 19495), (145, 19534), (147, 19546), (151, 19564), (181, 19642), (193, 19690), (197, 19711), (198, 19714), (205, 19738),

Gene: Lonelysoil_32 Start: 21890, Stop: 22294, Start Num: 56

Candidate Starts for Lonelysoil_32:

(40, 21833), (Start: 56 @21890 has 38 MA's), (83, 21926), (135, 22100), (144, 22121), (158, 22166), (161, 22175), (194, 22280), (197, 22289),

Gene: Longacauda_24 Start: 18380, Stop: 18802, Start Num: 70

Candidate Starts for Longacauda_24:

(Start: 70 @18380 has 54 MA's), (115, 18503), (116, 18509), (117, 18515), (140, 18578), (151, 18620), (181, 18698), (193, 18746), (198, 18770), (204, 18788), (205, 18794),

Gene: Lopsy_24 Start: 18236, Stop: 18658, Start Num: 71

Candidate Starts for Lopsy_24:

(46, 18170), (Start: 71 @18236 has 232 MA's), (115, 18359), (116, 18365), (117, 18371), (140, 18434), (151, 18476), (181, 18554), (193, 18602), (198, 18626), (204, 18644), (205, 18650),

Gene: LostAndPhound_24 Start: 18387, Stop: 18809, Start Num: 71

Candidate Starts for LostAndPhound_24:

(46, 18321), (Start: 71 @18387 has 232 MA's), (115, 18510), (116, 18516), (117, 18522), (140, 18585), (151, 18627), (172, 18678), (181, 18705), (193, 18753), (198, 18777), (204, 18795), (205, 18801),

Gene: Love_33 Start: 24151, Stop: 24585, Start Num: 73

Candidate Starts for Love_33:

(53, 24121), (Start: 73 @24151 has 107 MA's), (105, 24235), (122, 24310), (130, 24334), (154, 24412), (188, 24505), (198, 24556),

Gene: LuckyMarjie_24 Start: 18400, Stop: 18822, Start Num: 71

Candidate Starts for LuckyMarjie_24:

(46, 18334), (Start: 71 @18400 has 232 MA's), (115, 18523), (116, 18529), (117, 18535), (140, 18598), (151, 18640), (181, 18718), (193, 18766), (198, 18790), (204, 18808), (205, 18814),

Gene: Lulumae_24 Start: 18378, Stop: 18800, Start Num: 71

Candidate Starts for Lulumae_24:

(46, 18312), (Start: 71 @18378 has 232 MA's), (115, 18501), (116, 18507), (117, 18513), (140, 18576), (151, 18618), (181, 18696), (193, 18744), (198, 18768), (204, 18786), (205, 18792),

Gene: Lulwa_25 Start: 18665, Stop: 19087, Start Num: 71

Candidate Starts for Lulwa_25:

(46, 18599), (Start: 71 @18665 has 232 MA's), (115, 18788), (116, 18794), (117, 18800), (140, 18863), (151, 18905), (181, 18983), (193, 19031), (198, 19055), (204, 19073), (205, 19079),

Gene: Lumine_24 Start: 18374, Stop: 18796, Start Num: 71

Candidate Starts for Lumine_24:

(46, 18308), (Start: 71 @18374 has 232 MA's), (115, 18497), (116, 18503), (117, 18509), (140, 18572), (151, 18614), (181, 18692), (193, 18740), (198, 18764), (204, 18782), (205, 18788),

Gene: MRabcd_24 Start: 18379, Stop: 18801, Start Num: 71

Candidate Starts for MRabcd_24:

(46, 18313), (Start: 71 @18379 has 232 MA's), (115, 18502), (116, 18508), (117, 18514), (140, 18577), (151, 18619), (172, 18670), (181, 18697), (193, 18745), (198, 18769), (204, 18787), (205, 18793),

Gene: Mag7_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for Mag7_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: Magic8_25 Start: 18692, Stop: 19114, Start Num: 70

Candidate Starts for Magic8_25:

(Start: 70 @18692 has 54 MA's), (103, 18764), (115, 18815), (116, 18821), (117, 18827), (140, 18890), (151, 18932), (181, 19010), (193, 19058), (198, 19082), (204, 19100), (205, 19106),

Gene: Magpie_22 Start: 19156, Stop: 19569, Start Num: 79

Candidate Starts for Magpie_22:

(Start: 79 @19156 has 24 MA's), (115, 19270), (116, 19276), (117, 19282), (126, 19318), (145, 19357), (147, 19369), (151, 19387), (181, 19465), (197, 19534), (198, 19537), (205, 19561),

Gene: Maih_19 Start: 19234, Stop: 19614, Start Num: 96

Candidate Starts for Maih_19:

(11, 18784), (31, 19066), (Start: 96 @19234 has 7 MA's), (100, 19249), (110, 19291), (120, 19336), (149, 19426), (159, 19456), (173, 19507), (177, 19522), (187, 19549), (188, 19552),

Gene: MakoManhole_24 Start: 18622, Stop: 19032, Start Num: 73

Candidate Starts for MakoManhole_24:

(Start: 73 @18622 has 107 MA's), (124, 18784), (128, 18796), (151, 18862), (164, 18886), (175, 18925), (181, 18940),

Gene: Mana_24 Start: 18381, Stop: 18803, Start Num: 71

Candidate Starts for Mana_24:

(46, 18315), (Start: 71 @18381 has 232 MA's), (115, 18504), (116, 18510), (117, 18516), (140, 18579), (151, 18621), (172, 18672), (181, 18699), (193, 18747), (198, 18771), (204, 18789), (205, 18795),

Gene: Manad_24 Start: 18231, Stop: 18653, Start Num: 71

Candidate Starts for Manad_24:

(46, 18165), (Start: 71 @18231 has 232 MA's), (115, 18354), (116, 18360), (117, 18366), (140, 18429), (151, 18471), (181, 18549), (193, 18597), (198, 18621), (204, 18639), (205, 18645),

Gene: Mao1_21 Start: 16621, Stop: 17025, Start Num: 77

Candidate Starts for Mao1_21:

(Start: 77 @16621 has 4 MA's), (105, 16699), (116, 16744), (117, 16750), (129, 16795), (140, 16816), (151, 16858), (164, 16882), (172, 16909), (176, 16921), (196, 16999),

Gene: Marcie_37 Start: 21635, Stop: 22030, Start Num: 56

Candidate Starts for Marcie_37:

(Start: 56 @21635 has 38 MA's), (87, 21677), (133, 21845), (169, 21935), (194, 22022),

Gene: Mareelih_94 Start: 51401, Stop: 51808, Start Num: 85

Candidate Starts for Mareelih_94:

(82, 51398), (Start: 85 @51401 has 6 MA's), (Start: 96 @51437 has 7 MA's), (108, 51491), (115, 51512), (147, 51614), (149, 51626), (161, 51668), (164, 51677), (172, 51704), (188, 51746), (193, 51779), (195, 51791), (197, 51800),

Gene: Margaery_28 Start: 18750, Stop: 19154, Start Num: 63

Candidate Starts for Margaery_28:

(22, 18570), (Start: 63 @18750 has 46 MA's), (Start: 79 @18765 has 24 MA's), (84, 18771), (Start: 96 @18807 has 7 MA's), (117, 18885), (120, 18900), (125, 18918), (172, 19035), (173, 19038), (184, 19065), (191, 19089), (193, 19107), (203, 19146),

Gene: Mariokart_22 Start: 17119, Stop: 17532, Start Num: 73

Candidate Starts for Mariokart_22:

(1, 16399), (2, 16444), (3, 16510), (4, 16582), (8, 16648), (37, 17020), (Start: 58 @17098 has 2 MA's), (Start: 73 @17119 has 107 MA's), (105, 17200), (107, 17209), (116, 17245), (117, 17251), (130, 17299), (151, 17359),

Gene: Marley1013_26 Start: 20148, Stop: 20561, Start Num: 81

Candidate Starts for Marley1013_26:

(Start: 81 @20148 has 42 MA's), (116, 20268), (117, 20274), (130, 20322), (164, 20406), (197, 20532),

Gene: Maru_24 Start: 18380, Stop: 18802, Start Num: 71

Candidate Starts for Maru_24:

(46, 18314), (Start: 71 @18380 has 232 MA's), (115, 18503), (116, 18509), (117, 18515), (140, 18578), (151, 18620), (181, 18698), (193, 18746), (198, 18770), (204, 18788), (205, 18794),

Gene: Mashley_31 Start: 22162, Stop: 22575, Start Num: 56

Candidate Starts for Mashley_31:

(40, 22105), (Start: 56 @22162 has 38 MA's), (Start: 96 @22234 has 7 MA's), (118, 22321), (153, 22438), (161, 22453),

Gene: Mask_22 Start: 16622, Stop: 17026, Start Num: 77

Candidate Starts for Mask_22:

(Start: 77 @16622 has 4 MA's), (105, 16700), (116, 16745), (117, 16751), (129, 16796), (140, 16817), (151, 16859), (164, 16883), (172, 16910), (176, 16922), (196, 17000),

Gene: Maskar_24 Start: 18226, Stop: 18648, Start Num: 70

Candidate Starts for Maskar_24:

(Start: 70 @18226 has 54 MA's), (115, 18349), (116, 18355), (117, 18361), (140, 18424), (151, 18466), (181, 18544), (193, 18592), (198, 18616), (204, 18634), (205, 18640),

Gene: MasterPo_27 Start: 20834, Stop: 21262, Start Num: 71

Candidate Starts for MasterPo_27:

(55, 20807), (Start: 71 @20834 has 232 MA's), (84, 20849), (116, 20966), (117, 20972), (123, 20999), (130, 21020), (140, 21038), (181, 21158), (185, 21164), (197, 21227), (205, 21254),

Gene: Matalotodo_24 Start: 18673, Stop: 19095, Start Num: 71

Candidate Starts for Matalotodo_24:

(46, 18607), (Start: 71 @18673 has 232 MA's), (115, 18796), (116, 18802), (117, 18808), (140, 18871), (151, 18913), (181, 18991), (193, 19039), (198, 19063), (204, 19081), (205, 19087),

Gene: Matzah_29 Start: 18786, Stop: 19190, Start Num: 63

Candidate Starts for Matzah_29:

(42, 18723), (Start: 63 @18786 has 46 MA's), (Start: 73 @18795 has 107 MA's), (84, 18807), (92, 18825), (Start: 96 @18843 has 7 MA's), (120, 18936), (125, 18954), (127, 18960), (143, 18996), (152, 19020), (171, 19068), (172, 19071), (182, 19098), (184, 19101), (191, 19125), (193, 19143), (195, 19155), (203, 19182),

Gene: McKinley_32 Start: 24183, Stop: 24617, Start Num: 73

Candidate Starts for McKinley_32:

(53, 24153), (Start: 73 @24183 has 107 MA's), (105, 24267), (122, 24342), (130, 24366), (154, 24444), (188, 24537), (198, 24588),

Gene: Mcshane_24 Start: 18376, Stop: 18798, Start Num: 71

Candidate Starts for Mcshane_24:

(46, 18310), (Start: 71 @18376 has 232 MA's), (115, 18499), (116, 18505), (117, 18511), (140, 18574), (151, 18616), (181, 18694), (193, 18742), (198, 18766), (204, 18784), (205, 18790),

Gene: Mecca_24 Start: 18373, Stop: 18795, Start Num: 71

Candidate Starts for Mecca_24:

(46, 18307), (Start: 71 @18373 has 232 MA's), (115, 18496), (116, 18502), (117, 18508), (140, 18571), (151, 18613), (181, 18691), (193, 18739), (198, 18763), (204, 18781), (205, 18787),

Gene: Megabear_19 Start: 18137, Stop: 18547, Start Num: 80

Candidate Starts for Megabear_19:

(Start: 80 @18137 has 8 MA's), (105, 18212), (116, 18257), (117, 18263), (128, 18305), (140, 18329), (146, 18350), (180, 18452), (193, 18497),

Gene: Megamind20_25 Start: 18394, Stop: 18816, Start Num: 71

Candidate Starts for Megamind20_25:

(46, 18328), (Start: 71 @18394 has 232 MA's), (115, 18517), (116, 18523), (117, 18529), (140, 18592), (151, 18634), (181, 18712), (193, 18760), (198, 18784), (204, 18802), (205, 18808),

Gene: Megan_27 Start: 20591, Stop: 20995, Start Num: 69

Candidate Starts for Megan_27:

(17, 20315), (Start: 69 @20591 has 1 MA's), (91, 20624), (117, 20723), (120, 20738), (125, 20756), (143, 20798), (152, 20822), (172, 20873), (173, 20876), (184, 20906), (188, 20921), (191, 20930), (193, 20948), (195, 20960), (197, 20969), (199, 20975), (203, 20987),

Gene: Megatron_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Megatron_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (172, 18968), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: MelBins_29 Start: 21614, Stop: 22045, Start Num: 73

Candidate Starts for MelBins_29:

(21, 21422), (54, 21587), (Start: 73 @21614 has 107 MA's), (105, 21698), (129, 21794), (154, 21875), (158, 21881), (162, 21893), (184, 21953), (191, 21977), (197, 22016), (198, 22019),

Gene: Melc17_25 Start: 18668, Stop: 19090, Start Num: 70

Candidate Starts for Melc17_25:

(Start: 70 @18668 has 54 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: MelsMeow_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for MelsMeow_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: MementoMori_29 Start: 18515, Stop: 18919, Start Num: 63

Candidate Starts for MementoMori_29:

(Start: 63 @18515 has 46 MA's), (Start: 73 @18524 has 107 MA's), (84, 18536), (92, 18554), (Start: 96 @18572 has 7 MA's), (117, 18650), (120, 18665), (125, 18683), (127, 18689), (143, 18725), (152, 18749), (171, 18797), (172, 18800), (184, 18830), (191, 18854), (193, 18872), (195, 18884), (203, 18911),

Gene: Mesh1_25 Start: 18685, Stop: 19107, Start Num: 71

Candidate Starts for Mesh1_25:

(46, 18619), (Start: 71 @18685 has 232 MA's), (115, 18808), (116, 18814), (117, 18820), (140, 18883), (151, 18925), (181, 19003), (193, 19051), (198, 19075), (204, 19093), (205, 19099),

Gene: Metamorphoo_33 Start: 19183, Stop: 19590, Start Num: 63

Candidate Starts for Metamorphoo_33:

(Start: 63 @19183 has 46 MA's), (120, 19336), (123, 19348), (125, 19354), (143, 19396), (171, 19468), (172, 19471), (184, 19504), (188, 19519), (193, 19546), (203, 19585),

Gene: MichaelPhcott_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for MichaelPhcott_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: Mikota_25 Start: 18661, Stop: 19083, Start Num: 71

Candidate Starts for Mikota_25:

(46, 18595), (Start: 71 @18661 has 232 MA's), (115, 18784), (116, 18790), (117, 18796), (140, 18859), (151, 18901), (181, 18979), (193, 19027), (198, 19051), (204, 19069), (205, 19075),

Gene: MiniBoss_25 Start: 18664, Stop: 19086, Start Num: 71

Candidate Starts for MiniBoss_25:

(46, 18598), (Start: 71 @18664 has 232 MA's), (115, 18787), (116, 18793), (117, 18799), (140, 18862), (151, 18904), (181, 18982), (193, 19030), (198, 19054), (204, 19072), (205, 19078),

Gene: Mischief19_27 Start: 29157, Stop: 29531, Start Num: 97

Candidate Starts for Mischief19_27:

(Start: 97 @29157 has 5 MA's), (120, 29256), (142, 29316), (149, 29346), (157, 29370),

Gene: MitKao_25 Start: 18382, Stop: 18804, Start Num: 71

Candidate Starts for MitKao_25:

(46, 18316), (Start: 71 @18382 has 232 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: Mithril_23 Start: 19337, Stop: 19750, Start Num: 79

Candidate Starts for Mithril_23:

(Start: 79 @19337 has 24 MA's), (115, 19451), (116, 19457), (117, 19463), (126, 19499), (145, 19538), (147, 19550), (151, 19568), (181, 19646), (197, 19715), (198, 19718), (205, 19742),

Gene: MmasiCarm_26 Start: 19358, Stop: 19771, Start Num: 81

Candidate Starts for MmasiCarm_26:

(Start: 81 @19358 has 42 MA's), (116, 19478), (117, 19484), (130, 19532), (164, 19616), (197, 19742),

Gene: MoontowerMania_29 Start: 22994, Stop: 23428, Start Num: 73

Candidate Starts for MoontowerMania_29:

(25, 22829), (53, 22964), (Start: 73 @22994 has 107 MA's), (105, 23078), (122, 23153), (154, 23255), (163, 23276), (188, 23348), (198, 23399),

Gene: Morgushi_25 Start: 18387, Stop: 18809, Start Num: 71

Candidate Starts for Morgushi_25:

(46, 18321), (Start: 71 @18387 has 232 MA's), (115, 18510), (116, 18516), (117, 18522), (140, 18585), (151, 18627), (181, 18705), (193, 18753), (198, 18777), (204, 18795), (205, 18801),

Gene: Mortcellus_25 Start: 20001, Stop: 20414, Start Num: 81

Candidate Starts for Mortcellus_25:

(Start: 81 @20001 has 42 MA's), (116, 20121), (117, 20127), (130, 20175), (164, 20259), (197, 20385),

Gene: Morty_25 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for Morty_25:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (172, 18977), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: Morty007_26 Start: 20148, Stop: 20561, Start Num: 81

Candidate Starts for Morty007_26:

(Start: 81 @20148 has 42 MA's), (116, 20268), (117, 20274), (130, 20322), (164, 20406), (197, 20532),

Gene: Mosaic_24 Start: 18388, Stop: 18810, Start Num: 71

Candidate Starts for Mosaic_24:

(46, 18322), (Start: 71 @18388 has 232 MA's), (115, 18511), (116, 18517), (117, 18523), (140, 18586), (151, 18628), (181, 18706), (193, 18754), (198, 18778), (204, 18796), (205, 18802),

Gene: MossRose_24 Start: 18601, Stop: 19011, Start Num: 73

Candidate Starts for MossRose_24:

(Start: 73 @18601 has 107 MA's), (124, 18763), (128, 18775), (151, 18841), (164, 18865), (175, 18904), (181, 18919), (198, 18991),

Gene: MrPhizzler_24 Start: 18387, Stop: 18809, Start Num: 70

Candidate Starts for MrPhizzler_24:

(Start: 70 @18387 has 54 MA's), (115, 18510), (116, 18516), (117, 18522), (140, 18585), (151, 18627), (181, 18705), (193, 18753), (198, 18777), (204, 18795), (205, 18801),

Gene: Mudslide_23 Start: 19584, Stop: 19997, Start Num: 79

Candidate Starts for Mudslide_23:

(Start: 79 @19584 has 24 MA's), (115, 19698), (116, 19704), (117, 19710), (126, 19746), (145, 19785), (147, 19797), (151, 19815), (181, 19893), (188, 19908), (197, 19962), (198, 19965), (205, 19989),

Gene: Mulan_24 Start: 18382, Stop: 18804, Start Num: 71

Candidate Starts for Mulan_24:

(46, 18316), (Start: 71 @18382 has 232 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: Murdoc_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for Murdoc_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Mutante_24 Start: 18385, Stop: 18807, Start Num: 71

Candidate Starts for Mutante_24:

(46, 18319), (Start: 71 @18385 has 232 MA's), (115, 18508), (116, 18514), (117, 18520), (140, 18583), (151, 18625), (181, 18703), (193, 18751), (198, 18775), (204, 18793), (205, 18799),

Gene: Mutzi_28 Start: 18027, Stop: 18470, Start Num: 73

Candidate Starts for Mutzi_28:

(19, 17811), (Start: 73 @18027 has 107 MA's), (198, 18444),

Gene: Mysterious_26 Start: 19640, Stop: 20056, Start Num: 76

Candidate Starts for Mysterious_26:

(Start: 76 @19640 has 15 MA's), (101, 19700), (116, 19763), (117, 19769), (151, 19874), (166, 19904), (181, 19952),

Gene: Nacho_0025 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for Nacho_0025:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Namago_33 Start: 21729, Stop: 22142, Start Num: 56

Candidate Starts for Namago_33:

(40, 21672), (Start: 56 @21729 has 38 MA's), (118, 21888), (153, 22005), (161, 22020),

Gene: Nanao_22 Start: 18303, Stop: 18716, Start Num: 79

Candidate Starts for Nanao_22:

(Start: 79 @18303 has 24 MA's), (115, 18417), (116, 18423), (117, 18429), (126, 18465), (140, 18492), (145, 18504), (147, 18516), (151, 18534), (181, 18612), (197, 18681), (205, 18708),

Gene: Nangang_25 Start: 19342, Stop: 19758, Start Num: 76

Candidate Starts for Nangang_25:

(Start: 76 @19342 has 15 MA's), (140, 19534), (151, 19576), (172, 19627), (206, 19753),

Gene: Natkenzie_30 Start: 22964, Stop: 23395, Start Num: 73

Candidate Starts for Natkenzie_30:

(44, 22904), (54, 22937), (Start: 73 @22964 has 107 MA's), (116, 23093), (122, 23123), (154, 23225), (158, 23231), (163, 23246), (184, 23303), (188, 23318), (197, 23366), (198, 23369),

Gene: Neos5_26 Start: 20155, Stop: 20568, Start Num: 81

Candidate Starts for Neos5_26:

(Start: 81 @20155 has 42 MA's), (105, 20230), (116, 20275), (117, 20281), (164, 20413), (197, 20539),

Gene: Newman_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for Newman_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Nicole21_25 Start: 18666, Stop: 19088, Start Num: 71

Candidate Starts for Nicole21_25:

(46, 18600), (Start: 71 @18666 has 232 MA's), (115, 18789), (116, 18795), (117, 18801), (140, 18864), (151, 18906), (181, 18984), (193, 19032), (198, 19056), (204, 19074), (205, 19080),

Gene: Nicole72_28 Start: 20957, Stop: 21364, Start Num: 67

Candidate Starts for Nicole72_28:

(Start: 67 @20957 has 1 MA's), (109, 21062), (111, 21065), (117, 21092), (120, 21107), (123, 21119), (125, 21125), (137, 21152), (143, 21167), (172, 21242), (173, 21245), (184, 21275), (193, 21317), (197, 21338), (203, 21356),

Gene: Nigel_21 Start: 18187, Stop: 18600, Start Num: 79

Candidate Starts for Nigel_21:

(Start: 79 @18187 has 24 MA's), (117, 18313), (140, 18376), (145, 18388), (151, 18418), (205, 18592),

Gene: Nike_33 Start: 22681, Stop: 23094, Start Num: 56

Candidate Starts for Nike_33:

(40, 22624), (Start: 56 @22681 has 38 MA's), (118, 22840), (153, 22957), (161, 22972),

Gene: NoodlelyBoi_33 Start: 19715, Stop: 20119, Start Num: 63

Candidate Starts for NoodlelyBoi_33:

(Start: 63 @19715 has 46 MA's), (Start: 73 @19724 has 107 MA's), (91, 19751), (92, 19754), (117, 19850), (120, 19865), (123, 19877), (125, 19883), (143, 19925), (171, 19997), (172, 20000), (184, 20033), (193, 20075), (203, 20114),

Gene: Nordenberg_24 Start: 22353, Stop: 22787, Start Num: 73

Candidate Starts for Nordenberg_24:

(53, 22323), (Start: 73 @22353 has 107 MA's), (105, 22437), (122, 22512), (130, 22536), (154, 22614), (188, 22707), (198, 22758),

Gene: Nozo_26 Start: 20125, Stop: 20538, Start Num: 81

Candidate Starts for Nozo_26:

(Start: 81 @20125 has 42 MA's), (105, 20200), (116, 20245), (117, 20251), (164, 20383), (197, 20509),

Gene: Nubi_26 Start: 17592, Stop: 18035, Start Num: 73

Candidate Starts for Nubi_26:

(Start: 73 @17592 has 107 MA's), (154, 17853), (198, 18009),

Gene: Numberten_25 Start: 18679, Stop: 19101, Start Num: 71

Candidate Starts for Numberten_25:

(46, 18613), (Start: 71 @18679 has 232 MA's), (115, 18802), (116, 18808), (117, 18814), (140, 18877), (151, 18919), (181, 18997), (193, 19045), (198, 19069), (204, 19087), (205, 19093),

Gene: Nyala_24 Start: 18377, Stop: 18799, Start Num: 71

Candidate Starts for Nyala_24:

(46, 18311), (Start: 71 @18377 has 232 MA's), (115, 18500), (116, 18506), (117, 18512), (140, 18575), (151, 18617), (181, 18695), (193, 18743), (198, 18767), (204, 18785), (205, 18791),

Gene: OSmaximus_25 Start: 18703, Stop: 19125, Start Num: 70

Candidate Starts for OSmaximus_25:

(Start: 70 @18703 has 54 MA's), (103, 18775), (115, 18826), (116, 18832), (117, 18838), (140, 18901), (151, 18943), (181, 19021), (193, 19069), (198, 19093), (204, 19111), (205, 19117),

Gene: Obutu_26 Start: 19358, Stop: 19771, Start Num: 81

Candidate Starts for Obutu_26:

(Start: 81 @19358 has 42 MA's), (105, 19433), (116, 19478), (117, 19484), (164, 19616), (197, 19742),

Gene: Olak_25 Start: 18378, Stop: 18800, Start Num: 71

Candidate Starts for Olak_25:

(46, 18312), (Start: 71 @18378 has 232 MA's), (115, 18501), (116, 18507), (117, 18513), (140, 18576), (151, 18618), (181, 18696), (193, 18744), (198, 18768), (204, 18786), (205, 18792),

Gene: Oline_24 Start: 18240, Stop: 18662, Start Num: 70

Candidate Starts for Oline_24:

(Start: 70 @18240 has 54 MA's), (115, 18363), (116, 18369), (117, 18375), (140, 18438), (151, 18480), (181, 18558), (193, 18606), (198, 18630), (204, 18648), (205, 18654),

Gene: Olive_25 Start: 18667, Stop: 19089, Start Num: 71

Candidate Starts for Olive_25:

(46, 18601), (Start: 71 @18667 has 232 MA's), (115, 18790), (116, 18796), (117, 18802), (140, 18865), (151, 18907), (181, 18985), (193, 19033), (198, 19057), (204, 19075), (205, 19081),

Gene: OliverWalter_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for OliverWalter_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Omniscient_25 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for Omniscient_25:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: OneinaGillian_32 Start: 20626, Stop: 21021, Start Num: 56

Candidate Starts for OneinaGillian_32:

(Start: 56 @20626 has 38 MA's), (91, 20677), (118, 20785), (144, 20860), (169, 20926), (194, 21013),

Gene: Onika_32 Start: 19362, Stop: 19766, Start Num: 63

Candidate Starts for Onika_32:

(Start: 63 @19362 has 46 MA's), (Start: 73 @19371 has 107 MA's), (91, 19398), (92, 19401), (117, 19497), (120, 19512), (123, 19524), (125, 19530), (143, 19572), (172, 19647), (184, 19680), (193, 19722), (203, 19761),

Gene: OnionKnight_11 Start: 8126, Stop: 8596, Start Num: 47

Candidate Starts for OnionKnight_11:

(44, 8123), (Start: 47 @8126 has 1 MA's), (94, 8231), (Start: 97 @8243 has 5 MA's), (105, 8276), (119, 8336), (130, 8375), (144, 8408), (150, 8444), (170, 8495), (179, 8528), (186, 8546),

Gene: Oosterbaan_25 Start: 18678, Stop: 19100, Start Num: 71

Candidate Starts for Oosterbaan_25:

(46, 18612), (Start: 71 @18678 has 232 MA's), (115, 18801), (116, 18807), (117, 18813), (140, 18876), (151, 18918), (172, 18969), (181, 18996), (193, 19044), (198, 19068), (204, 19086), (205, 19092),

Gene: Opia_27 Start: 20834, Stop: 21262, Start Num: 71

Candidate Starts for Opia_27:

(55, 20807), (Start: 71 @20834 has 232 MA's), (84, 20849), (116, 20966), (117, 20972), (123, 20999), (130, 21020), (140, 21038), (181, 21158), (185, 21164), (197, 21227), (205, 21254),

Gene: OrangeOswald_26 Start: 19363, Stop: 19776, Start Num: 81

Candidate Starts for OrangeOswald_26:

(Start: 81 @19363 has 42 MA's), (105, 19438), (116, 19483), (117, 19489), (164, 19621), (197, 19747),

Gene: Orfeu_24 Start: 18379, Stop: 18801, Start Num: 71

Candidate Starts for Orfeu_24:

(46, 18313), (Start: 71 @18379 has 232 MA's), (115, 18502), (116, 18508), (117, 18514), (140, 18577), (151, 18619), (181, 18697), (193, 18745), (198, 18769), (204, 18787), (205, 18793),

Gene: Orion_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for Orion_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (172, 18966), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Orwigg_25 Start: 18372, Stop: 18794, Start Num: 71

Candidate Starts for Orwigg_25:

(46, 18306), (Start: 71 @18372 has 232 MA's), (115, 18495), (116, 18501), (117, 18507), (140, 18570), (151, 18612), (181, 18690), (193, 18738), (198, 18762), (204, 18780), (205, 18786),

Gene: PG1_25 Start: 18688, Stop: 19110, Start Num: 71

Candidate Starts for PG1_25:

(46, 18622), (Start: 71 @18688 has 232 MA's), (115, 18811), (116, 18817), (117, 18823), (140, 18886), (151, 18928), (172, 18979), (181, 19006), (193, 19054), (198, 19078), (204, 19096), (205, 19102),

Gene: PR_19 Start: 18164, Stop: 18574, Start Num: 80

Candidate Starts for PR_19:

(Start: 80 @18164 has 8 MA's), (105, 18239), (116, 18284), (117, 18290), (128, 18332), (140, 18356), (146, 18377), (180, 18479), (193, 18524),

Gene: Pacifista_26 Start: 18379, Stop: 18801, Start Num: 71

Candidate Starts for Pacifista_26:

(46, 18313), (Start: 71 @18379 has 232 MA's), (115, 18502), (116, 18508), (117, 18514), (140, 18577), (151, 18619), (181, 18697), (193, 18745), (198, 18769), (204, 18787), (205, 18793),

Gene: Paries_32 Start: 23819, Stop: 24253, Start Num: 73

Candidate Starts for Paries_32:

(53, 23780), (Start: 73 @23819 has 107 MA's), (105, 23903), (122, 23978), (130, 24002), (154, 24080), (163, 24101), (188, 24173), (198, 24224),

Gene: Paschalis_32 Start: 19375, Stop: 19779, Start Num: 63

Candidate Starts for Paschalis_32:

(Start: 63 @19375 has 46 MA's), (Start: 73 @19384 has 107 MA's), (91, 19411), (92, 19414), (117, 19510), (120, 19525), (123, 19537), (125, 19543), (143, 19585), (172, 19660), (184, 19693), (193, 19735), (203, 19774),

Gene: Patbob_88 Start: 53640, Stop: 54023, Start Num: 85

Candidate Starts for Patbob_88:

(Start: 85 @53640 has 6 MA's), (Start: 96 @53679 has 7 MA's), (120, 53781), (127, 53805), (138, 53826), (147, 53856), (148, 53865), (172, 53919), (181, 53946), (187, 53958),

Gene: PauloDiaboli_94 Start: 50046, Stop: 50456, Start Num: 62

Candidate Starts for PauloDiaboli_94:

(Start: 62 @50046 has 2 MA's), (103, 50133), (104, 50136), (109, 50166), (181, 50376), (189, 50394),

Gene: PenguinLover67_27 Start: 20904, Stop: 21338, Start Num: 73

Candidate Starts for PenguinLover67_27:

(Start: 73 @20904 has 107 MA's), (102, 20970), (107, 20994), (116, 21030), (117, 21036), (126, 21072), (140, 21099), (197, 21288),

Gene: Pepe25_31 Start: 20844, Stop: 21239, Start Num: 56

Candidate Starts for Pepe25_31:

(Start: 56 @20844 has 38 MA's), (87, 20886), (91, 20895), (118, 21003), (169, 21144), (192, 21213), (194, 21231),

Gene: Phabia_33 Start: 22063, Stop: 22467, Start Num: 56

Candidate Starts for Phabia_33:

(40, 22006), (Start: 56 @22063 has 38 MA's), (83, 22099), (135, 22273), (144, 22294), (158, 22339), (161, 22348), (194, 22453), (197, 22462),

Gene: Phamished_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for Phamished_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Phantasmagoria_27 Start: 20830, Stop: 21258, Start Num: 71

Candidate Starts for Phantasmagoria_27:

(55, 20803), (Start: 71 @20830 has 232 MA's), (84, 20845), (116, 20962), (117, 20968), (123, 20995), (130, 21016), (140, 21034), (181, 21154), (185, 21160), (197, 21223), (205, 21250),

Gene: Phareon_25 Start: 18383, Stop: 18805, Start Num: 71

Candidate Starts for Phareon_25:

(46, 18317), (Start: 71 @18383 has 232 MA's), (115, 18506), (116, 18512), (117, 18518), (140, 18581), (151, 18623), (181, 18701), (193, 18749), (198, 18773), (204, 18791), (205, 18797),

Gene: PhatCats2014_25 Start: 18693, Stop: 19115, Start Num: 71

Candidate Starts for PhatCats2014_25:

(46, 18627), (Start: 71 @18693 has 232 MA's), (115, 18816), (116, 18822), (117, 18828), (140, 18891), (151, 18933), (181, 19011), (193, 19059), (198, 19083), (204, 19101), (205, 19107),

Gene: PhatLouie_25 Start: 18675, Stop: 19097, Start Num: 70

Candidate Starts for PhatLouie_25:

(Start: 70 @18675 has 54 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Phauci_21 Start: 17995, Stop: 18426, Start Num: 73

Candidate Starts for Phauci_21:

(21, 17803), (54, 17968), (Start: 73 @17995 has 107 MA's), (105, 18079), (129, 18175), (154, 18256), (158, 18262), (162, 18274), (184, 18334), (191, 18358), (197, 18397), (198, 18400),

Gene: Phayeta_26 Start: 19239, Stop: 19652, Start Num: 81

Candidate Starts for Phayeta_26:

(Start: 81 @19239 has 42 MA's), (105, 19314), (116, 19359), (117, 19365), (164, 19497), (197, 19623),

Gene: Phelemich_25 Start: 19636, Stop: 20052, Start Num: 76

Candidate Starts for Phelemich_25:

(Start: 76 @19636 has 15 MA's), (101, 19696), (116, 19759), (117, 19765), (151, 19870), (166, 19900), (181, 19948), (206, 20047),

Gene: Phendrix_82 Start: 43488, Stop: 43901, Start Num: 65

Candidate Starts for Phendrix_82:

(Start: 65 @43488 has 4 MA's), (89, 43521), (112, 43614), (117, 43638), (125, 43671), (136, 43698), (138, 43701), (166, 43773), (172, 43794), (187, 43833), (198, 43893),

Gene: PhenghisKhan_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for PhenghisKhan_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: Pherdinand_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for Pherdinand_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Phergie_24 Start: 18248, Stop: 18670, Start Num: 70

Candidate Starts for Phergie_24:

(Start: 70 @18248 has 54 MA's), (103, 18320), (115, 18371), (116, 18377), (117, 18383), (140, 18446), (151, 18488), (181, 18566), (193, 18614), (198, 18638), (204, 18656), (205, 18662),

Gene: Philly_25 Start: 19229, Stop: 19642, Start Num: 81

Candidate Starts for Philly_25:

(Start: 81 @19229 has 42 MA's), (105, 19304), (116, 19349), (117, 19355), (164, 19487), (197, 19613),

Gene: Phinally_28 Start: 21403, Stop: 21834, Start Num: 73

Candidate Starts for Phinally_28:

(18, 21175), (21, 21211), (54, 21376), (57, 21379), (Start: 73 @21403 has 107 MA's), (105, 21487), (129, 21583), (154, 21664), (158, 21670), (162, 21682), (184, 21742), (191, 21766), (197, 21805), (198, 21808),

Gene: Phinky_39 Start: 23231, Stop: 23650, Start Num: 56

Candidate Starts for Phinky_39:

(48, 23201), (Start: 56 @23231 has 38 MA's), (83, 23267), (88, 23276), (106, 23342), (144, 23465), (161, 23522), (197, 23645),

Gene: Phipps_25 Start: 18653, Stop: 19075, Start Num: 71

Candidate Starts for Phipps_25:

(46, 18587), (Start: 71 @18653 has 232 MA's), (115, 18776), (116, 18782), (117, 18788), (140, 18851), (151, 18893), (181, 18971), (193, 19019), (198, 19043), (204, 19061), (205, 19067),

Gene: Phleuron_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for Phleuron_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: Phlop_26 Start: 17656, Stop: 18099, Start Num: 73

Candidate Starts for Phlop_26:

(Start: 73 @17656 has 107 MA's), (154, 17917), (198, 18073),

Gene: Phlyer_26 Start: 20098, Stop: 20511, Start Num: 81

Candidate Starts for Phlyer_26:

(Start: 81 @20098 has 42 MA's), (116, 20218), (117, 20224), (130, 20272), (164, 20356), (197, 20482),

Gene: Phorgeous_32 Start: 19229, Stop: 19633, Start Num: 63

Candidate Starts for Phorgeous_32:

(Start: 63 @19229 has 46 MA's), (Start: 73 @19238 has 107 MA's), (91, 19265), (92, 19268), (117, 19364), (120, 19379), (123, 19391), (125, 19397), (143, 19439), (172, 19514), (184, 19547), (193, 19589), (203, 19628),

Gene: Phrancesco_33 Start: 19507, Stop: 19911, Start Num: 63

Candidate Starts for Phrancesco_33:

(Start: 63 @19507 has 46 MA's), (Start: 73 @19516 has 107 MA's), (91, 19543), (92, 19546), (117, 19642), (120, 19657), (123, 19669), (125, 19675), (143, 19717), (172, 19792), (184, 19825), (193, 19867), (203, 19906),

Gene: PhrankReynolds_24 Start: 18254, Stop: 18676, Start Num: 70

Candidate Starts for PhrankReynolds_24:

(Start: 70 @18254 has 54 MA's), (103, 18326), (115, 18377), (116, 18383), (117, 18389), (140, 18452), (151, 18494), (181, 18572), (193, 18620), (198, 18644), (204, 18662), (205, 18668),

Gene: PhrodoBaggins_24 Start: 18671, Stop: 19093, Start Num: 71

Candidate Starts for PhrodoBaggins_24:

(46, 18605), (Start: 71 @18671 has 232 MA's), (115, 18794), (116, 18800), (117, 18806), (140, 18869), (151, 18911), (181, 18989), (193, 19037), (198, 19061), (204, 19079), (205, 19085),

Gene: Phunky_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Phunky_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: PierreOrion_33 Start: 19530, Stop: 19934, Start Num: 63

Candidate Starts for PierreOrion_33:

(Start: 63 @19530 has 46 MA's), (Start: 73 @19539 has 107 MA's), (91, 19566), (92, 19569), (117, 19665), (120, 19680), (123, 19692), (125, 19698), (143, 19740), (172, 19815), (184, 19848), (193, 19890), (203, 19929),

Gene: Piglet_0024 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Piglet_0024:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Pine5_25 Start: 19604, Stop: 20017, Start Num: 72

Candidate Starts for Pine5_25:

(72, 19604), (75, 19607), (115, 19727), (140, 19805), (201, 20009),

Gene: PinheadLarry_25 Start: 18394, Stop: 18816, Start Num: 71

Candidate Starts for PinheadLarry_25:

(46, 18328), (Start: 71 @18394 has 232 MA's), (115, 18517), (116, 18523), (117, 18529), (140, 18592), (151, 18634), (181, 18712), (193, 18760), (198, 18784), (204, 18802), (205, 18808),

Gene: PinkCoffee_28 Start: 18295, Stop: 18738, Start Num: 73

Candidate Starts for PinkCoffee_28:

(Start: 73 @18295 has 107 MA's), (154, 18556), (198, 18712),

Gene: Pinkman_24 Start: 18234, Stop: 18656, Start Num: 70

Candidate Starts for Pinkman_24:

(Start: 70 @18234 has 54 MA's), (115, 18357), (116, 18363), (117, 18369), (140, 18432), (151, 18474), (181, 18552), (193, 18600), (198, 18624), (204, 18642), (205, 18648),

Gene: Pipefish_26 Start: 20248, Stop: 20661, Start Num: 81

Candidate Starts for Pipefish_26:

(Start: 81 @20248 has 42 MA's), (116, 20368), (117, 20374), (130, 20422), (164, 20506), (197, 20632),

Gene: PiperSansNom_33 Start: 19682, Stop: 20086, Start Num: 63

Candidate Starts for PiperSansNom_33:

(Start: 63 @19682 has 46 MA's), (Start: 73 @19691 has 107 MA's), (91, 19718), (92, 19721), (117, 19817), (120, 19832), (123, 19844), (125, 19850), (143, 19892), (172, 19967), (184, 20000), (193, 20042), (203, 20081),

Gene: Piperis_33 Start: 19352, Stop: 19756, Start Num: 63

Candidate Starts for Piperis_33:

(Start: 63 @19352 has 46 MA's), (Start: 73 @19361 has 107 MA's), (91, 19388), (92, 19391), (117, 19487), (120, 19502), (123, 19514), (125, 19520), (143, 19562), (172, 19637), (184, 19670), (193, 19712), (203, 19751),

Gene: Pipsqueak_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for Pipsqueak_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (172, 18974), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Placalicious_24 Start: 18376, Stop: 18798, Start Num: 71

Candidate Starts for Placalicious_24:

(46, 18310), (Start: 71 @18376 has 232 MA's), (115, 18499), (116, 18505), (117, 18511), (140, 18574), (151, 18616), (172, 18667), (181, 18694), (193, 18742), (198, 18766), (204, 18784), (205, 18790),

Gene: Plmatters_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for Plmatters_25:

(46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Podrick_25 Start: 18672, Stop: 19094, Start Num: 71

Candidate Starts for Podrick_25:

(46, 18606), (Start: 71 @18672 has 232 MA's), (115, 18795), (116, 18801), (117, 18807), (140, 18870), (151, 18912), (181, 18990), (193, 19038), (198, 19062), (204, 19080), (205, 19086),

Gene: Pops_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for Pops_25:

(46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Portcullis_26 Start: 17599, Stop: 18042, Start Num: 73

Candidate Starts for Portcullis_26:

(Start: 73 @17599 has 107 MA's), (154, 17860), (198, 18016),

Gene: Poster_22 Start: 18304, Stop: 18717, Start Num: 79

Candidate Starts for Poster_22:

(Start: 79 @18304 has 24 MA's), (115, 18418), (116, 18424), (117, 18430), (126, 18466), (140, 18493), (145, 18505), (147, 18517), (151, 18535), (181, 18613), (197, 18682), (205, 18709),

Gene: Potter_24 Start: 18390, Stop: 18812, Start Num: 71

Candidate Starts for Potter_24:

(46, 18324), (Start: 71 @18390 has 232 MA's), (115, 18513), (116, 18519), (117, 18525), (140, 18588), (151, 18630), (172, 18681), (181, 18708), (193, 18756), (198, 18780), (204, 18798), (205, 18804),

Gene: Prickles_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for Prickles_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: Prince_24 Start: 19496, Stop: 19909, Start Num: 79

Candidate Starts for Prince_24:

(Start: 79 @19496 has 24 MA's), (115, 19610), (116, 19616), (117, 19622), (126, 19658), (145, 19697), (147, 19709), (151, 19727), (181, 19805), (188, 19820), (197, 19874), (198, 19877), (205, 19901),

Gene: ProfessorX_25 Start: 18667, Stop: 19089, Start Num: 71

Candidate Starts for ProfessorX_25:

(46, 18601), (Start: 71 @18667 has 232 MA's), (115, 18790), (116, 18796), (117, 18802), (140, 18865), (151, 18907), (181, 18985), (193, 19033), (198, 19057), (204, 19075), (205, 19081),

Gene: Puhltonio_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for Puhltonio_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Pulchra_34 Start: 19752, Stop: 20156, Start Num: 63

Candidate Starts for Pulchra_34:

(Start: 63 @19752 has 46 MA's), (Start: 73 @19761 has 107 MA's), (91, 19788), (92, 19791), (117, 19887), (120, 19902), (123, 19914), (125, 19920), (143, 19962), (172, 20037), (184, 20070), (193, 20112), (203, 20151),

Gene: PullumCavea_26 Start: 17656, Stop: 18099, Start Num: 73

Candidate Starts for PullumCavea_26:

(Start: 73 @17656 has 107 MA's), (154, 17917), (198, 18073),

Gene: Pumpernickel_91 Start: 51418, Stop: 51831, Start Num: 58

Candidate Starts for Pumpernickel_91:

(Start: 58 @51418 has 2 MA's), (103, 51508), (109, 51541), (116, 51565), (120, 51586), (148, 51670), (180, 51748), (188, 51766), (189, 51769),

Gene: Quammi_31 Start: 21635, Stop: 22048, Start Num: 56

Candidate Starts for Quammi_31:

(40, 21578), (Start: 56 @21635 has 38 MA's), (83, 21671), (118, 21794), (153, 21911), (161, 21926),

Gene: QueenBeane_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for QueenBeane_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Quesadilla_26 Start: 20803, Stop: 21240, Start Num: 73

Candidate Starts for Quesadilla_26:

(Start: 73 @20803 has 107 MA's), (116, 20929), (117, 20935), (126, 20971), (140, 20998), (181, 21118), (191, 21148), (197, 21187),

Gene: Quhwah_36 Start: 19978, Stop: 20382, Start Num: 63

Candidate Starts for Quhwah_36:

(Start: 63 @19978 has 46 MA's), (Start: 73 @19987 has 107 MA's), (91, 20014), (92, 20017), (120, 20128), (123, 20140), (125, 20146), (143, 20188), (172, 20263), (184, 20296), (193, 20338), (203, 20377),

Gene: Quisquilliae_25 Start: 18690, Stop: 19112, Start Num: 71

Candidate Starts for Quisquilliae_25:

(46, 18624), (Start: 71 @18690 has 232 MA's), (115, 18813), (116, 18819), (117, 18825), (140, 18888), (151, 18930), (181, 19008), (193, 19056), (198, 19080), (204, 19098), (205, 19104),

Gene: Qyrzula_25 Start: 20920, Stop: 21348, Start Num: 71

Candidate Starts for Qyrzula_25:

(55, 20893), (Start: 71 @20920 has 232 MA's), (84, 20935), (116, 21052), (117, 21058), (123, 21085), (130, 21106), (140, 21124), (181, 21244), (185, 21250), (197, 21313), (205, 21340),

Gene: Racecar_88 Start: 53421, Stop: 53804, Start Num: 85

Candidate Starts for Racecar_88:

(Start: 85 @53421 has 6 MA's), (Start: 96 @53460 has 7 MA's), (Start: 97 @53463 has 5 MA's), (120, 53562), (127, 53586), (147, 53637), (148, 53646), (172, 53700), (181, 53727), (187, 53739),

Gene: RagingRooster_26 Start: 19364, Stop: 19777, Start Num: 81

Candidate Starts for RagingRooster_26:

(Start: 81 @19364 has 42 MA's), (105, 19439), (116, 19484), (117, 19490), (164, 19622), (197, 19748),

Gene: RainyPolka_20 Start: 19600, Stop: 19980, Start Num: 96

Candidate Starts for RainyPolka_20:

(20, 19327), (31, 19408), (Start: 96 @19600 has 7 MA's), (100, 19615), (110, 19657), (120, 19702), (134, 19744), (159, 19822), (173, 19873), (177, 19888), (187, 19915), (188, 19918),

Gene: Ramiel05_32 Start: 19387, Stop: 19791, Start Num: 63

Candidate Starts for Ramiel05_32:

(Start: 63 @19387 has 46 MA's), (Start: 73 @19396 has 107 MA's), (91, 19423), (92, 19426), (117, 19522), (120, 19537), (123, 19549), (125, 19555), (143, 19597), (172, 19672), (184, 19705), (193, 19747), (203, 19786),

Gene: RawrgerThat_23 Start: 19333, Stop: 19746, Start Num: 79

Candidate Starts for RawrgerThat_23:

(Start: 79 @19333 has 24 MA's), (115, 19447), (116, 19453), (117, 19459), (126, 19495), (145, 19534), (147, 19546), (151, 19564), (181, 19642), (188, 19657), (197, 19711), (198, 19714), (205, 19738),

Gene: RedMaple_24 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for RedMaple_24:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: Reprobate_25 Start: 19641, Stop: 20057, Start Num: 76

Candidate Starts for Reprobate_25:

(Start: 76 @19641 has 15 MA's), (101, 19701), (116, 19764), (117, 19770), (151, 19875), (166, 19905), (181, 19953), (206, 20052),

Gene: Rhinoforte_27 Start: 20951, Stop: 21379, Start Num: 71

Candidate Starts for Rhinoforte_27:

(55, 20924), (Start: 71 @20951 has 232 MA's), (84, 20966), (116, 21083), (117, 21089), (123, 21116), (130, 21137), (140, 21155), (181, 21275), (185, 21281), (197, 21344), (205, 21371),

Gene: Ribeye_30 Start: 23007, Stop: 23441, Start Num: 60

Candidate Starts for Ribeye_30:

(Start: 60 @23007 has 7 MA's), (98, 23061), (105, 23091), (122, 23166), (154, 23268), (163, 23289), (188, 23361), (198, 23412),

Gene: Rich_24 Start: 19142, Stop: 19558, Start Num: 76

Candidate Starts for Rich_24:

(Start: 76 @19142 has 15 MA's), (115, 19259), (117, 19271), (140, 19334), (197, 19523), (206, 19553),

Gene: Ricotta_25 Start: 18398, Stop: 18820, Start Num: 71

Candidate Starts for Ricotta_25:

(46, 18332), (Start: 71 @18398 has 232 MA's), (115, 18521), (116, 18527), (117, 18533), (140, 18596), (151, 18638), (181, 18716), (193, 18764), (198, 18788), (204, 18806), (205, 18812),

Gene: Riggan_25 Start: 18658, Stop: 19080, Start Num: 71

Candidate Starts for Riggan_25:

(46, 18592), (Start: 71 @18658 has 232 MA's), (115, 18781), (116, 18787), (117, 18793), (140, 18856), (151, 18898), (181, 18976), (193, 19024), (198, 19048), (204, 19066), (205, 19072),

Gene: Rimu_26 Start: 18479, Stop: 18829, Start Num: 103

Candidate Starts for Rimu_26:

(Start: 70 @18407 has 54 MA's), (103, 18479), (115, 18530), (116, 18536), (117, 18542), (140, 18605), (151, 18647), (181, 18725), (193, 18773), (198, 18797), (204, 18815), (205, 18821),

Gene: Rita1961_26 Start: 19359, Stop: 19772, Start Num: 81

Candidate Starts for Rita1961_26:

(Start: 81 @19359 has 42 MA's), (105, 19434), (116, 19479), (117, 19485), (164, 19617), (197, 19743),

Gene: RiverRaider_31 Start: 21439, Stop: 21873, Start Num: 73

Candidate Starts for RiverRaider_31:

(Start: 73 @21439 has 107 MA's), (105, 21523), (154, 21700), (163, 21721), (184, 21778), (188, 21793), (198, 21844),

Gene: RoadKill_25 Start: 19107, Stop: 19538, Start Num: 73

Candidate Starts for RoadKill_25:

(24, 18933), (33, 18984), (Start: 73 @19107 has 107 MA's), (105, 19191), (122, 19266), (162, 19386), (167, 19401), (188, 19461), (195, 19500), (197, 19509), (198, 19512),

Gene: RobinRose_34 Start: 21130, Stop: 21525, Start Num: 56

Candidate Starts for RobinRose_34:

(Start: 56 @21130 has 38 MA's), (87, 21172), (91, 21181), (118, 21289), (169, 21430), (194, 21517),

Gene: RobsFeet_34 Start: 19464, Stop: 19871, Start Num: 63

Candidate Starts for RobsFeet_34:

(Start: 63 @19464 has 46 MA's), (120, 19617), (123, 19629), (125, 19635), (143, 19677), (171, 19749), (172, 19752), (184, 19785), (188, 19800), (193, 19827), (203, 19866),

Gene: Robyn_24 Start: 18249, Stop: 18671, Start Num: 71

Candidate Starts for Robyn_24:

(46, 18183), (Start: 71 @18249 has 232 MA's), (115, 18372), (116, 18378), (117, 18384), (140, 18447), (151, 18489), (181, 18567), (193, 18615), (198, 18639), (204, 18657), (205, 18663),

Gene: Rofo_30 Start: 23214, Stop: 23648, Start Num: 73

Candidate Starts for Rofo_30:

(53, 23184), (Start: 73 @23214 has 107 MA's), (105, 23298), (122, 23373), (130, 23397), (154, 23475), (188, 23568), (198, 23619),

Gene: RogerDodger_29 Start: 18449, Stop: 18892, Start Num: 73

Candidate Starts for RogerDodger_29:

(Start: 73 @18449 has 107 MA's), (154, 18710), (198, 18866),

Gene: Roliet_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for Roliet_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: RomaT_26 Start: 20149, Stop: 20562, Start Num: 81

Candidate Starts for RomaT_26:

(Start: 81 @20149 has 42 MA's), (116, 20269), (117, 20275), (164, 20407), (197, 20533),

Gene: Romm_34 Start: 21130, Stop: 21525, Start Num: 56

Candidate Starts for Romm_34:

(Start: 56 @21130 has 38 MA's), (87, 21172), (91, 21181), (118, 21289), (169, 21430), (194, 21517),

Gene: Roscoe_26 Start: 18916, Stop: 19338, Start Num: 71

Candidate Starts for Roscoe_26:

(46, 18850), (Start: 71 @18916 has 232 MA's), (115, 19039), (116, 19045), (117, 19051), (140, 19114), (151, 19156), (181, 19234), (193, 19282), (198, 19306), (204, 19324), (205, 19330),

Gene: Rosebush_27 Start: 20951, Stop: 21379, Start Num: 71

Candidate Starts for Rosebush_27:

(55, 20924), (Start: 71 @20951 has 232 MA's), (84, 20966), (116, 21083), (117, 21089), (123, 21116), (130, 21137), (140, 21155), (181, 21275), (185, 21281), (197, 21344), (205, 21371),

Gene: Rowlf_29 Start: 21810, Stop: 22223, Start Num: 56

Candidate Starts for Rowlf_29:

(40, 21753), (Start: 56 @21810 has 38 MA's), (118, 21969), (153, 22086), (161, 22101),

Gene: Roy17_25 Start: 18378, Stop: 18800, Start Num: 71

Candidate Starts for Roy17_25:

(46, 18312), (Start: 71 @18378 has 232 MA's), (115, 18501), (116, 18507), (117, 18513), (140, 18576), (151, 18618), (181, 18696), (193, 18744), (198, 18768), (204, 18786), (205, 18792),

Gene: RubyRalph_35 Start: 21703, Stop: 22119, Start Num: 56

Candidate Starts for RubyRalph_35:

(28, 21580), (48, 21670), (Start: 56 @21703 has 38 MA's), (106, 21814), (136, 21919), (163, 22000), (165, 22003), (197, 22114),

Gene: Rudy_31 Start: 21668, Stop: 22081, Start Num: 56

Candidate Starts for Rudy_31:

(40, 21611), (50, 21641), (Start: 56 @21668 has 38 MA's), (83, 21704), (118, 21827), (153, 21944), (161, 21959),

Gene: SDcharge11_25 Start: 18656, Stop: 19078, Start Num: 71

Candidate Starts for SDcharge11_25:

(46, 18590), (Start: 71 @18656 has 232 MA's), (115, 18779), (116, 18785), (117, 18791), (140, 18854), (151, 18896), (181, 18974), (193, 19022), (198, 19046), (204, 19064), (205, 19070),

Gene: SJReid_93 Start: 54733, Stop: 55122, Start Num: 86

Candidate Starts for SJReid_93:

(86, 54733), (102, 54790), (127, 54895), (128, 54898), (148, 54955), (172, 55009), (181, 55036), (187, 55048), (195, 55096),

Gene: Sabella_27 Start: 20837, Stop: 21265, Start Num: 71

Candidate Starts for Sabella_27:

(55, 20810), (Start: 71 @20837 has 232 MA's), (84, 20852), (116, 20969), (117, 20975), (123, 21002), (130, 21023), (140, 21041), (181, 21161), (185, 21167), (197, 21230), (205, 21257),

Gene: SadLad_37 Start: 22646, Stop: 23062, Start Num: 56

Candidate Starts for SadLad_37:

(5, 22172), (6, 22178), (7, 22205), (13, 22295), (28, 22523), (48, 22613), (Start: 56 @22646 has 38 MA's), (106, 22757), (163, 22943), (165, 22946), (197, 23057),

Gene: Saguaro_26 Start: 20711, Stop: 21127, Start Num: 76

Candidate Starts for Saguaro_26:

(Start: 76 @20711 has 15 MA's), (116, 20834), (181, 21023), (188, 21038), (191, 21053),

Gene: Salete_19 Start: 19235, Stop: 19615, Start Num: 96

Candidate Starts for Salete_19:

(11, 18785), (31, 19067), (Start: 96 @19235 has 7 MA's), (100, 19250), (110, 19292), (120, 19337), (149, 19427), (159, 19457), (173, 19508), (177, 19523), (187, 19550), (188, 19553),

Gene: SallyK_34 Start: 22743, Stop: 23147, Start Num: 56

Candidate Starts for SallyK_34:

(Start: 56 @22743 has 38 MA's), (83, 22779), (135, 22953), (144, 22974), (158, 23019), (161, 23028), (194, 23133), (197, 23142),

Gene: Salvador_26 Start: 17570, Stop: 18013, Start Num: 73

Candidate Starts for Salvador_26:

(Start: 73 @17570 has 107 MA's), (154, 17831), (198, 17987),

Gene: Samaymay_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for Samaymay_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Sampson_30 Start: 22909, Stop: 23340, Start Num: 73

Candidate Starts for Sampson_30:

(44, 22849), (54, 22882), (Start: 73 @22909 has 107 MA's), (116, 23038), (122, 23068), (154, 23170), (158, 23176), (163, 23191), (184, 23248), (188, 23263), (197, 23311), (198, 23314),

Gene: Sanjuju_28 Start: 23395, Stop: 23829, Start Num: 73

Candidate Starts for Sanjuju_28:

(53, 23365), (Start: 73 @23395 has 107 MA's), (105, 23479), (122, 23554), (130, 23578), (154, 23656), (163, 23677), (188, 23749), (198, 23800),

Gene: Saronaya_29 Start: 21853, Stop: 22287, Start Num: 73

Candidate Starts for Saronaya_29:

(Start: 63 @21844 has 46 MA's), (Start: 73 @21853 has 107 MA's), (105, 21937), (122, 22012), (154, 22114), (163, 22135), (184, 22192), (188, 22207), (198, 22258),

Gene: SassyCat97_24 Start: 18384, Stop: 18806, Start Num: 71

Candidate Starts for SassyCat97_24:

(46, 18318), (Start: 71 @18384 has 232 MA's), (115, 18507), (116, 18513), (117, 18519), (140, 18582), (151, 18624), (181, 18702), (193, 18750), (198, 18774), (204, 18792), (205, 18798),

Gene: Savannah_32 Start: 19414, Stop: 19818, Start Num: 63

Candidate Starts for Savannah_32:

(Start: 63 @19414 has 46 MA's), (Start: 73 @19423 has 107 MA's), (91, 19450), (92, 19453), (117, 19549), (120, 19564), (123, 19576), (125, 19582), (143, 19624), (172, 19699), (184, 19732), (193, 19774), (203, 19813),

Gene: Savbucketdawg_26 Start: 17351, Stop: 17794, Start Num: 73

Candidate Starts for Savbucketdawg_26:

(Start: 73 @17351 has 107 MA's), (154, 17612), (198, 17768),

Gene: Schadenfreude_24 Start: 18232, Stop: 18654, Start Num: 71

Candidate Starts for Schadenfreude_24:

(46, 18166), (Start: 71 @18232 has 232 MA's), (115, 18355), (116, 18361), (117, 18367), (140, 18430), (151, 18472), (181, 18550), (193, 18598), (198, 18622), (204, 18640), (205, 18646),

Gene: SchottB_28 Start: 22865, Stop: 23299, Start Num: 73

Candidate Starts for SchottB_28:

(Start: 63 @22856 has 46 MA's), (Start: 73 @22865 has 107 MA's), (105, 22949), (122, 23024), (154, 23126), (163, 23147), (184, 23204), (188, 23219), (198, 23270),

Gene: Schueller_25 Start: 18375, Stop: 18797, Start Num: 70

Candidate Starts for Schueller_25:

(Start: 70 @18375 has 54 MA's), (115, 18498), (116, 18504), (117, 18510), (140, 18573), (151, 18615), (181, 18693), (193, 18741), (198, 18765), (204, 18783), (205, 18789),

Gene: Scioto_30 Start: 22964, Stop: 23395, Start Num: 73

Candidate Starts for Scioto_30:

(44, 22904), (54, 22937), (Start: 73 @22964 has 107 MA's), (116, 23093), (122, 23123), (154, 23225), (158, 23231), (163, 23246), (184, 23303), (188, 23318), (197, 23366), (198, 23369),

Gene: Scoot17C_25 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Scoot17C_25:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (172, 18968), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Scrick_25 Start: 18402, Stop: 18824, Start Num: 71

Candidate Starts for Scrick_25:

(46, 18336), (Start: 71 @18402 has 232 MA's), (115, 18525), (116, 18531), (117, 18537), (140, 18600), (151, 18642), (181, 18720), (193, 18768), (198, 18792), (204, 18810), (205, 18816),

Gene: Scumberland_34 Start: 19603, Stop: 20007, Start Num: 63

Candidate Starts for Scumberland_34:

(Start: 63 @19603 has 46 MA's), (Start: 73 @19612 has 107 MA's), (91, 19639), (92, 19642), (117, 19738), (120, 19753), (123, 19765), (125, 19771), (143, 19813), (172, 19888), (184, 19921), (193, 19963), (203, 20002),

Gene: Sedona_30 Start: 24320, Stop: 24754, Start Num: 73

Candidate Starts for Sedona_30:

(Start: 73 @24320 has 107 MA's), (105, 24404), (122, 24479), (130, 24503), (154, 24581), (163, 24602), (184, 24659), (188, 24674), (198, 24725),

Gene: Sejanus_22 Start: 17555, Stop: 17959, Start Num: 77

Candidate Starts for Sejanus_22:

(Start: 77 @17555 has 4 MA's), (105, 17633), (116, 17678), (117, 17684), (129, 17729), (140, 17750), (151, 17792), (164, 17816), (172, 17843), (176, 17855), (196, 17933),

Gene: Selr12_25 Start: 18399, Stop: 18821, Start Num: 71

Candidate Starts for Selr12_25:

(46, 18333), (Start: 71 @18399 has 232 MA's), (115, 18522), (116, 18528), (117, 18534), (140, 18597), (151, 18639), (181, 18717), (193, 18765), (198, 18789), (204, 18807), (205, 18813),

Gene: Selwyn23_34 Start: 19580, Stop: 19984, Start Num: 63

Candidate Starts for Selwyn23_34:

(Start: 63 @19580 has 46 MA's), (Start: 73 @19589 has 107 MA's), (91, 19616), (92, 19619), (117, 19715), (120, 19730), (123, 19742), (125, 19748), (143, 19790), (172, 19865), (184, 19898), (193, 19940), (203, 19979),

Gene: Serendipitous_24 Start: 19199, Stop: 19615, Start Num: 76

Candidate Starts for Serendipitous_24:

(Start: 76 @19199 has 15 MA's), (120, 19343), (126, 19364), (147, 19415), (172, 19484), (197, 19580), (206, 19610),

Gene: Serendipity_25 Start: 18697, Stop: 19119, Start Num: 71

Candidate Starts for Serendipity_25:

(46, 18631), (Start: 71 @18697 has 232 MA's), (115, 18820), (116, 18826), (117, 18832), (140, 18895), (151, 18937), (181, 19015), (193, 19063), (198, 19087), (204, 19105), (205, 19111),

Gene: Serpentine_0025 Start: 18677, Stop: 19099, Start Num: 71

Candidate Starts for Serpentine_0025:

(46, 18611), (Start: 71 @18677 has 232 MA's), (115, 18800), (116, 18806), (117, 18812), (140, 18875), (151, 18917), (181, 18995), (193, 19043), (198, 19067), (204, 19085), (205, 19091),

Gene: Shatter_22 Start: 17225, Stop: 17635, Start Num: 73

Candidate Starts for Shatter_22:

(Start: 73 @17225 has 107 MA's), (105, 17306), (115, 17345), (117, 17357), (128, 17399), (130, 17405), (140, 17423), (171, 17513),

Gene: Sheila_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for Sheila_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: ShiVal_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for ShiVal_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: Shinji_26 Start: 17540, Stop: 17983, Start Num: 73

Candidate Starts for Shinji_26:

(Start: 73 @17540 has 107 MA's), (154, 17801), (198, 17957),

Gene: Shivanishola_31 Start: 23294, Stop: 23728, Start Num: 73

Candidate Starts for Shivanishola_31:

(53, 23264), (Start: 73 @23294 has 107 MA's), (105, 23378), (122, 23453), (130, 23477), (154, 23555), (163, 23576), (188, 23648), (198, 23699),

Gene: Shotgun_32 Start: 19213, Stop: 19617, Start Num: 63

Candidate Starts for Shotgun_32:

(Start: 63 @19213 has 46 MA's), (Start: 73 @19222 has 107 MA's), (91, 19249), (92, 19252), (117, 19348), (120, 19363), (123, 19375), (125, 19381), (143, 19423), (172, 19498), (184, 19531), (193, 19573), (203, 19612),

Gene: Sigman_25 Start: 18668, Stop: 19090, Start Num: 71

Candidate Starts for Sigman_25:

(46, 18602), (Start: 71 @18668 has 232 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: Sillytadpoles_34 Start: 21633, Stop: 22037, Start Num: 56

Candidate Starts for Sillytadpoles_34:

(40, 21576), (Start: 56 @21633 has 38 MA's), (83, 21669), (135, 21843), (144, 21864), (158, 21909), (161, 21918), (194, 22023), (197, 22032),

Gene: Simielle_24 Start: 18367, Stop: 18789, Start Num: 71

Candidate Starts for Simielle_24:

(46, 18301), (Start: 71 @18367 has 232 MA's), (115, 18490), (116, 18496), (117, 18502), (140, 18565), (151, 18607), (181, 18685), (193, 18733), (198, 18757), (204, 18775), (205, 18781),

Gene: SirJeffery_25 Start: 19385, Stop: 19801, Start Num: 76

Candidate Starts for SirJeffery_25:

(Start: 76 @19385 has 15 MA's), (101, 19445), (117, 19514), (151, 19619), (166, 19649), (206, 19796),

Gene: Sisko_22 Start: 17508, Stop: 17921, Start Num: 73

Candidate Starts for Sisko_22:

(Start: 73 @17508 has 107 MA's), (102, 17577), (117, 17643), (130, 17691), (171, 17799), (197, 17898),

Gene: Sitar_30 Start: 24387, Stop: 24821, Start Num: 73

Candidate Starts for Sitar_30:

(53, 24357), (Start: 73 @24387 has 107 MA's), (105, 24471), (122, 24546), (154, 24648), (163, 24669), (188, 24741), (198, 24792),

Gene: Sixama_94 Start: 51509, Stop: 51916, Start Num: 85

Candidate Starts for Sixama_94:

(82, 51506), (Start: 85 @51509 has 6 MA's), (Start: 96 @51545 has 7 MA's), (109, 51602), (161, 51776), (164, 51785), (174, 51821), (178, 51833), (188, 51854), (193, 51887), (195, 51899), (197, 51908),

Gene: Skippy_25 Start: 18662, Stop: 19084, Start Num: 71

Candidate Starts for Skippy_25:

(46, 18596), (Start: 71 @18662 has 232 MA's), (115, 18785), (116, 18791), (117, 18797), (140, 18860), (151, 18902), (181, 18980), (193, 19028), (198, 19052), (204, 19070), (205, 19076),

Gene: Slatt_25 Start: 18691, Stop: 19113, Start Num: 71

Candidate Starts for Slatt_25:

(46, 18625), (Start: 71 @18691 has 232 MA's), (115, 18814), (116, 18820), (117, 18826), (140, 18889), (151, 18931), (181, 19009), (193, 19057), (198, 19081), (204, 19099), (205, 19105),

Gene: SlippinJimmy_26 Start: 20128, Stop: 20541, Start Num: 81

Candidate Starts for SlippinJimmy_26:

(Start: 81 @20128 has 42 MA's), (116, 20248), (117, 20254), (130, 20302), (164, 20386), (197, 20512),

Gene: Smarties_41 Start: 21286, Stop: 21693, Start Num: 63

Candidate Starts for Smarties_41:

(Start: 63 @21286 has 46 MA's), (120, 21439), (123, 21451), (143, 21499), (171, 21571), (172, 21574), (184, 21607), (188, 21622), (193, 21649), (203, 21688),

Gene: SmokingBunny_26 Start: 17570, Stop: 18013, Start Num: 73

Candidate Starts for SmokingBunny_26:

(Start: 73 @17570 has 107 MA's), (154, 17831), (198, 17987),

Gene: Soile_25 Start: 18389, Stop: 18811, Start Num: 70

Candidate Starts for Soile_25:

(Start: 70 @18389 has 54 MA's), (116, 18518), (117, 18524), (140, 18587), (151, 18629), (181, 18707), (193, 18755), (198, 18779), (204, 18797), (205, 18803),

Gene: Solosis_24 Start: 18394, Stop: 18816, Start Num: 71

Candidate Starts for Solosis_24:

(46, 18328), (Start: 71 @18394 has 232 MA's), (115, 18517), (116, 18523), (117, 18529), (140, 18592), (151, 18634), (181, 18712), (193, 18760), (198, 18784), (204, 18802), (205, 18808),

Gene: Soos_49 Start: 28742, Stop: 29167, Start Num: 63

Candidate Starts for Soos_49:

(Start: 63 @28742 has 46 MA's), (137, 28940), (164, 29012), (181, 29066), (188, 29081),

Gene: Sophia_24 Start: 18387, Stop: 18809, Start Num: 71

Candidate Starts for Sophia_24:

(46, 18321), (Start: 71 @18387 has 232 MA's), (115, 18510), (116, 18516), (117, 18522), (140, 18585), (151, 18627), (181, 18705), (193, 18753), (198, 18777), (204, 18795), (205, 18801),

Gene: Soto_25 Start: 18671, Stop: 19093, Start Num: 71

Candidate Starts for Soto_25:

(46, 18605), (Start: 71 @18671 has 232 MA's), (115, 18794), (116, 18800), (117, 18806), (140, 18869), (151, 18911), (181, 18989), (193, 19037), (198, 19061), (204, 19079), (205, 19085),

Gene: Sour_26 Start: 21204, Stop: 21638, Start Num: 58

Candidate Starts for Sour_26:

(Start: 58 @21204 has 2 MA's), (Start: 73 @21225 has 107 MA's), (102, 21294), (128, 21402), (130, 21408), (151, 21468), (156, 21474), (171, 21516),

Gene: Spartan300_25 Start: 18672, Stop: 19094, Start Num: 71

Candidate Starts for Spartan300_25:

(46, 18606), (Start: 71 @18672 has 232 MA's), (115, 18795), (116, 18801), (117, 18807), (140, 18870), (151, 18912), (181, 18990), (193, 19038), (198, 19062), (204, 19080), (205, 19086),

Gene: Squash_35 Start: 22692, Stop: 23105, Start Num: 56

Candidate Starts for Squash_35:

(40, 22635), (Start: 56 @22692 has 38 MA's), (118, 22851), (153, 22968), (161, 22983),

Gene: Squid_25 Start: 18384, Stop: 18806, Start Num: 71

Candidate Starts for Squid_25:

(46, 18318), (Start: 71 @18384 has 232 MA's), (115, 18507), (116, 18513), (117, 18519), (140, 18582), (151, 18624), (181, 18702), (193, 18750), (198, 18774), (204, 18792), (205, 18798),

Gene: Squiggle_25 Start: 18381, Stop: 18803, Start Num: 71

Candidate Starts for Squiggle_25:

(46, 18315), (Start: 71 @18381 has 232 MA's), (115, 18504), (116, 18510), (117, 18516), (140, 18579), (151, 18621), (181, 18699), (193, 18747), (198, 18771), (204, 18789), (205, 18795),

Gene: Statler_35 Start: 22552, Stop: 22956, Start Num: 56

Candidate Starts for Statler_35:

(45, 22507), (Start: 56 @22552 has 38 MA's), (64, 22564), (83, 22588), (135, 22762), (144, 22783), (158, 22828), (161, 22837), (194, 22942), (197, 22951),

Gene: Sting_53 Start: 29181, Stop: 29606, Start Num: 63

Candidate Starts for Sting_53:

(Start: 63 @29181 has 46 MA's), (137, 29379), (164, 29451), (181, 29505), (188, 29520),

Gene: Stinger_21 Start: 17880, Stop: 18293, Start Num: 79

Candidate Starts for Stinger_21:

(Start: 79 @17880 has 24 MA's), (116, 18000), (117, 18006), (126, 18042), (140, 18069), (145, 18081), (147, 18093), (151, 18111), (181, 18189), (197, 18258), (198, 18261), (205, 18285),

Gene: StinkyVeggy_27 Start: 19514, Stop: 19930, Start Num: 76

Candidate Starts for StinkyVeggy_27:

(Start: 76 @19514 has 15 MA's), (140, 19706), (172, 19799), (206, 19925),

Gene: StorminNorm_29 Start: 21732, Stop: 22166, Start Num: 73

Candidate Starts for StorminNorm_29:

(Start: 63 @21723 has 46 MA's), (Start: 73 @21732 has 107 MA's), (105, 21816), (122, 21891), (154, 21993), (163, 22014), (184, 22071), (188, 22086), (198, 22137),

Gene: StrawberryJamm_35 Start: 21872, Stop: 22285, Start Num: 56

Candidate Starts for StrawberryJamm_35:

(40, 21815), (Start: 56 @21872 has 38 MA's), (118, 22031), (153, 22148), (161, 22163),

Gene: Struggle_24 Start: 18228, Stop: 18650, Start Num: 70

Candidate Starts for Struggle_24:

(Start: 70 @18228 has 54 MA's), (115, 18351), (116, 18357), (117, 18363), (140, 18426), (151, 18468), (181, 18546), (193, 18594), (198, 18618), (204, 18636), (205, 18642),

Gene: Stultus_28 Start: 22302, Stop: 22736, Start Num: 73

Candidate Starts for Stultus_28:

(53, 22272), (Start: 73 @22302 has 107 MA's), (105, 22386), (122, 22461), (130, 22485), (154, 22563), (163, 22584), (188, 22656), (198, 22707),

Gene: Suffolk_25 Start: 18674, Stop: 19096, Start Num: 71

Candidate Starts for Suffolk_25:

(46, 18608), (Start: 71 @18674 has 232 MA's), (115, 18797), (116, 18803), (117, 18809), (140, 18872), (151, 18914), (181, 18992), (193, 19040), (198, 19064), (204, 19082), (205, 19088),

Gene: Suigeneris_25 Start: 19394, Stop: 19810, Start Num: 76

Candidate Starts for Suigeneris_25:

(Start: 76 @19394 has 15 MA's), (101, 19454), (117, 19523), (151, 19628), (166, 19658), (206, 19805),

Gene: Surely_25 Start: 18686, Stop: 19108, Start Num: 71

Candidate Starts for Surely_25:

(46, 18620), (Start: 71 @18686 has 232 MA's), (115, 18809), (116, 18815), (117, 18821), (140, 18884), (151, 18926), (181, 19004), (193, 19052), (198, 19076), (204, 19094), (205, 19100),

Gene: Swiphy_26 Start: 18675, Stop: 19097, Start Num: 70

Candidate Starts for Swiphy_26:

(Start: 70 @18675 has 54 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Swish_25 Start: 18669, Stop: 19091, Start Num: 71

Candidate Starts for Swish_25:

(46, 18603), (Start: 71 @18669 has 232 MA's), (115, 18792), (116, 18798), (117, 18804), (140, 18867), (151, 18909), (181, 18987), (193, 19035), (198, 19059), (204, 19077), (205, 19083),

Gene: SynergyX_26 Start: 19364, Stop: 19777, Start Num: 81

Candidate Starts for SynergyX_26:

(Start: 81 @19364 has 42 MA's), (105, 19439), (116, 19484), (117, 19490), (164, 19622), (197, 19748),

Gene: TA17A_27 Start: 20831, Stop: 21259, Start Num: 71

Candidate Starts for TA17A_27:

(55, 20804), (Start: 71 @20831 has 232 MA's), (84, 20846), (116, 20963), (117, 20969), (123, 20996), (130, 21017), (140, 21035), (181, 21155), (185, 21161), (197, 21224), (205, 21251),

Gene: TP1604_19 Start: 19235, Stop: 19615, Start Num: 96

Candidate Starts for TP1604_19:

(11, 18785), (31, 19067), (Start: 96 @19235 has 7 MA's), (100, 19250), (110, 19292), (120, 19337), (149, 19427), (159, 19457), (173, 19508), (177, 19523), (187, 19550), (188, 19553),

Gene: TPA2_31 Start: 19553, Stop: 19993, Start Num: 61

Candidate Starts for TPA2_31:

(61, 19553), (116, 19697), (117, 19703), (140, 19769), (181, 19892), (197, 19961), (202, 19979),

Gene: TallGrassMM_25 Start: 18401, Stop: 18823, Start Num: 71

Candidate Starts for TallGrassMM_25:

(46, 18335), (Start: 71 @18401 has 232 MA's), (115, 18524), (116, 18530), (117, 18536), (140, 18599), (151, 18641), (172, 18692), (181, 18719), (193, 18767), (198, 18791), (204, 18809), (205, 18815),

Gene: Tangent_30 Start: 22736, Stop: 23170, Start Num: 73

Candidate Starts for Tangent_30:

(53, 22706), (Start: 73 @22736 has 107 MA's), (105, 22820), (122, 22895), (130, 22919), (154, 22997), (188, 23090), (198, 23141),

Gene: Tangerine_29 Start: 21738, Stop: 22172, Start Num: 73

Candidate Starts for Tangerine_29:

(Start: 63 @21729 has 46 MA's), (Start: 73 @21738 has 107 MA's), (105, 21822), (122, 21897), (154, 21999), (163, 22020), (184, 22077), (188, 22092), (198, 22143),

Gene: Taptic_19 Start: 18137, Stop: 18547, Start Num: 80

Candidate Starts for Taptic_19:

(Start: 80 @18137 has 8 MA's), (105, 18212), (116, 18257), (117, 18263), (128, 18305), (140, 18329), (146, 18350), (180, 18452), (193, 18497),

Gene: Tardus_31 Start: 22245, Stop: 22676, Start Num: 73

Candidate Starts for Tardus_31:

(54, 22218), (Start: 73 @22245 has 107 MA's), (105, 22329), (116, 22374), (122, 22404), (154, 22506), (158, 22512), (163, 22527), (184, 22584), (188, 22599), (197, 22647), (198, 22650),

Gene: Teamocil_34 Start: 19277, Stop: 19687, Start Num: 59

Candidate Starts for Teamocil_34:

(Start: 59 @19277 has 3 MA's), (Start: 63 @19283 has 46 MA's), (Start: 79 @19298 has 24 MA's), (120, 19433), (123, 19445), (143, 19493), (171, 19565), (172, 19568), (184, 19601), (188, 19616), (193, 19643), (203, 19682),

Gene: Teehee_34 Start: 22869, Stop: 23273, Start Num: 56

Candidate Starts for Teehee_34:

(40, 22812), (Start: 56 @22869 has 38 MA's), (83, 22905), (135, 23079), (144, 23100), (158, 23145), (161, 23154), (194, 23259), (197, 23268),

Gene: Telesworld_24 Start: 18380, Stop: 18802, Start Num: 71

Candidate Starts for Telesworld_24:

(46, 18314), (Start: 71 @18380 has 232 MA's), (115, 18503), (116, 18509), (117, 18515), (140, 18578), (151, 18620), (181, 18698), (193, 18746), (198, 18770), (204, 18788), (205, 18794),

Gene: Tempo_32 Start: 21006, Stop: 21401, Start Num: 56

Candidate Starts for Tempo_32:

(Start: 56 @21006 has 38 MA's), (87, 21048), (91, 21057), (118, 21165), (160, 21288), (169, 21306), (194, 21393),

Gene: Terij_29 Start: 18831, Stop: 19235, Start Num: 63

Candidate Starts for Terij_29:

(9, 18411), (10, 18423), (15, 18513), (16, 18546), (23, 18663), (26, 18672), (29, 18699), (34, 18741), (43, 18774), (49, 18792), (Start: 63 @18831 has 46 MA's), (84, 18852), (93, 18873), (Start: 96 @18888 has 7 MA's), (117, 18966), (120, 18981), (172, 19116), (173, 19119), (184, 19146), (193, 19188), (195, 19200),

Gene: Thing3_29 Start: 23229, Stop: 23663, Start Num: 73

Candidate Starts for Thing3_29:

(53, 23199), (Start: 73 @23229 has 107 MA's), (105, 23313), (122, 23388), (130, 23412), (154, 23490), (163, 23511), (188, 23583), (198, 23634),

Gene: Thonko_24 Start: 17161, Stop: 17574, Start Num: 79

Candidate Starts for Thonko_24:

(12, 16762), (14, 16798), (32, 17026), (Start: 79 @17161 has 24 MA's), (116, 17281), (117, 17287), (122, 17311), (123, 17314), (151, 17392), (188, 17485),

Gene: Thora_25 Start: 18685, Stop: 19107, Start Num: 71

Candidate Starts for Thora_25:

(46, 18619), (Start: 71 @18685 has 232 MA's), (115, 18808), (116, 18814), (117, 18820), (140, 18883), (151, 18925), (181, 19003), (193, 19051), (198, 19075), (204, 19093), (205, 19099),

Gene: ThreeOh3D2_25 Start: 18684, Stop: 19106, Start Num: 71

Candidate Starts for ThreeOh3D2_25:

(46, 18618), (Start: 71 @18684 has 232 MA's), (115, 18807), (116, 18813), (117, 18819), (140, 18882), (151, 18924), (181, 19002), (193, 19050), (198, 19074), (204, 19092), (205, 19098),

Gene: Thunderbird_25 Start: 18384, Stop: 18806, Start Num: 71

Candidate Starts for Thunderbird_25:

(46, 18318), (Start: 71 @18384 has 232 MA's), (115, 18507), (116, 18513), (117, 18519), (140, 18582), (151, 18624), (181, 18702), (193, 18750), (198, 18774), (204, 18792), (205, 18798),

Gene: Tiamoceli_28 Start: 20458, Stop: 20889, Start Num: 73

Candidate Starts for Tiamoceli_28:

(26, 20290), (Start: 73 @20458 has 107 MA's), (105, 20542), (122, 20617), (162, 20737), (167, 20752), (188, 20812), (191, 20821), (197, 20860), (198, 20863),

Gene: TillyBobJoe_26 Start: 17354, Stop: 17797, Start Num: 73

Candidate Starts for TillyBobJoe_26:

(Start: 73 @17354 has 107 MA's), (154, 17615), (198, 17771),

Gene: Timmi_24 Start: 18395, Stop: 18817, Start Num: 71

Candidate Starts for Timmi_24:

(46, 18329), (Start: 71 @18395 has 232 MA's), (115, 18518), (116, 18524), (117, 18530), (140, 18593), (151, 18635), (181, 18713), (193, 18761), (198, 18785), (204, 18803), (205, 18809),

Gene: Tinciduntolum_28 Start: 20953, Stop: 21381, Start Num: 71

Candidate Starts for Tinciduntolum_28:

(55, 20926), (Start: 71 @20953 has 232 MA's), (84, 20968), (116, 21085), (117, 21091), (123, 21118), (130, 21139), (140, 21157), (181, 21277), (185, 21283), (197, 21346), (205, 21373),

Gene: Tissue_33 Start: 22386, Stop: 22790, Start Num: 56

Candidate Starts for Tissue_33:

(Start: 56 @22386 has 38 MA's), (64, 22398), (135, 22596), (144, 22617), (158, 22662), (161, 22671), (194, 22776), (197, 22785),

Gene: Togo_26 Start: 17570, Stop: 18013, Start Num: 73

Candidate Starts for Togo_26:

(Start: 73 @17570 has 107 MA's), (154, 17831), (198, 17987),

Gene: TomBombadil_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for TomBombadil_25:

(46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Tomlarah_25 Start: 18670, Stop: 19092, Start Num: 71

Candidate Starts for Tomlarah_25:

(46, 18604), (Start: 71 @18670 has 232 MA's), (115, 18793), (116, 18799), (117, 18805), (140, 18868), (151, 18910), (181, 18988), (193, 19036), (198, 19060), (204, 19078), (205, 19084),

Gene: Toni_24 Start: 18379, Stop: 18801, Start Num: 71

Candidate Starts for Toni_24:

(46, 18313), (Start: 71 @18379 has 232 MA's), (115, 18502), (116, 18508), (117, 18514), (140, 18577), (151, 18619), (181, 18697), (193, 18745), (198, 18769), (204, 18787), (205, 18793),

Gene: Tonitrus_40 Start: 27403, Stop: 27783, Start Num: 97

Candidate Starts for Tonitrus_40:

(68, 27346), (Start: 97 @27403 has 5 MA's), (105, 27433), (117, 27484), (130, 27529), (131, 27532), (140, 27547), (145, 27559), (171, 27637), (181, 27667), (183, 27670), (190, 27691),

Gene: Tooj_25 Start: 18681, Stop: 19103, Start Num: 71

Candidate Starts for Tooj_25:

(46, 18615), (Start: 71 @18681 has 232 MA's), (115, 18804), (116, 18810), (117, 18816), (140, 18879), (151, 18921), (181, 18999), (193, 19047), (198, 19071), (204, 19089), (205, 19095),

Gene: Tres_27 Start: 20834, Stop: 21262, Start Num: 71

Candidate Starts for Tres_27:

(55, 20807), (Start: 71 @20834 has 232 MA's), (84, 20849), (116, 20966), (117, 20972), (123, 20999), (130, 21020), (140, 21038), (181, 21158), (185, 21164), (197, 21227), (205, 21254),

Gene: True_24 Start: 18383, Stop: 18805, Start Num: 71

Candidate Starts for True_24:

(46, 18317), (Start: 71 @18383 has 232 MA's), (115, 18506), (116, 18512), (117, 18518), (140, 18581), (151, 18623), (181, 18701), (193, 18749), (198, 18773), (204, 18791), (205, 18797),

Gene: Trypo_25 Start: 18672, Stop: 19094, Start Num: 70

Candidate Starts for Trypo_25:

(Start: 70 @18672 has 54 MA's), (115, 18795), (116, 18801), (117, 18807), (140, 18870), (151, 18912), (181, 18990), (193, 19038), (198, 19062), (204, 19080), (205, 19086),

Gene: TurkishDelight_25 Start: 21435, Stop: 21812, Start Num: 97

Candidate Starts for TurkishDelight_25:

(31, 21273), (51, 21360), (78, 21411), (Start: 97 @21435 has 5 MA's), (99, 21441), (100, 21447), (102, 21453), (120, 21534), (131, 21570), (136, 21582), (141, 21594), (155, 21648), (184, 21735), (187, 21747), (193, 21783),

Gene: Twister6_28 Start: 17997, Stop: 18440, Start Num: 73

Candidate Starts for Twister6_28:

(Start: 73 @17997 has 107 MA's), (154, 18258), (198, 18414),

Gene: Twonlo_25 Start: 19076, Stop: 19507, Start Num: 73

Candidate Starts for Twonlo_25:

(Start: 73 @19076 has 107 MA's), (105, 19160), (122, 19235), (162, 19355), (167, 19370), (188, 19430), (191, 19439), (197, 19478), (198, 19481),

Gene: Tycho_29 Start: 21827, Stop: 22261, Start Num: 73

Candidate Starts for Tycho_29:

(Start: 63 @21818 has 46 MA's), (Start: 73 @21827 has 107 MA's), (105, 21911), (122, 21986), (154, 22088), (163, 22109), (184, 22166), (188, 22181), (198, 22232),

Gene: Tydolla_26 Start: 20101, Stop: 20514, Start Num: 81

Candidate Starts for Tydolla_26:

(Start: 81 @20101 has 42 MA's), (116, 20221), (117, 20227), (130, 20275), (164, 20359), (197, 20485),

Gene: TyrionL_24 Start: 18236, Stop: 18658, Start Num: 70

Candidate Starts for TyrionL_24:

(Start: 70 @18236 has 54 MA's), (115, 18359), (116, 18365), (117, 18371), (140, 18434), (151, 18476), (181, 18554), (193, 18602), (198, 18626), (204, 18644), (205, 18650),

Gene: Tyrumbra_31 Start: 18504, Stop: 18908, Start Num: 63

Candidate Starts for Tyrumbra_31:

(Start: 63 @18504 has 46 MA's), (Start: 79 @18519 has 24 MA's), (92, 18543), (120, 18654), (123, 18666), (125, 18672), (143, 18714), (171, 18786), (172, 18789), (184, 18822), (193, 18864), (203, 18903),

Gene: UAch1_25 Start: 18692, Stop: 19114, Start Num: 71

Candidate Starts for UAch1_25:

(46, 18626), (Start: 71 @18692 has 232 MA's), (115, 18815), (116, 18821), (117, 18827), (140, 18890), (151, 18932), (172, 18983), (181, 19010), (193, 19058), (198, 19082), (204, 19100), (205, 19106),

Gene: UncleHowie_25 Start: 18382, Stop: 18804, Start Num: 71

Candidate Starts for UncleHowie_25:

(46, 18316), (Start: 71 @18382 has 232 MA's), (115, 18505), (116, 18511), (117, 18517), (140, 18580), (151, 18622), (181, 18700), (193, 18748), (198, 18772), (204, 18790), (205, 18796),

Gene: Usavi_25 Start: 18683, Stop: 19105, Start Num: 71

Candidate Starts for Usavi_25:

(46, 18617), (Start: 71 @18683 has 232 MA's), (115, 18806), (116, 18812), (117, 18818), (140, 18881), (151, 18923), (172, 18974), (181, 19001), (193, 19049), (198, 19073), (204, 19091), (205, 19097),

Gene: Vaishali24_24 Start: 18341, Stop: 18763, Start Num: 70

Candidate Starts for Vaishali24_24:

(Start: 70 @18341 has 54 MA's), (115, 18464), (116, 18470), (117, 18476), (140, 18539), (151, 18581), (181, 18659), (193, 18707), (198, 18731), (204, 18749), (205, 18755),

Gene: Valary_29 Start: 18503, Stop: 18946, Start Num: 73

Candidate Starts for Valary_29:

(Start: 73 @18503 has 107 MA's), (154, 18764), (198, 18920),

Gene: Valjean_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for Valjean_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: VanDeWege_29 Start: 18378, Stop: 18821, Start Num: 73

Candidate Starts for VanDeWege_29:

(Start: 73 @18378 has 107 MA's), (154, 18639), (198, 18795),

Gene: Vaticameos_25 Start: 18373, Stop: 18795, Start Num: 71

Candidate Starts for Vaticameos_25:

(46, 18307), (Start: 71 @18373 has 232 MA's), (115, 18496), (116, 18502), (117, 18508), (140, 18571), (151, 18613), (181, 18691), (193, 18739), (198, 18763), (204, 18781), (205, 18787),

Gene: Veritas_24 Start: 18242, Stop: 18664, Start Num: 70

Candidate Starts for Veritas_24:

(Start: 70 @18242 has 54 MA's), (103, 18314), (115, 18365), (116, 18371), (117, 18377), (140, 18440), (151, 18482), (181, 18560), (193, 18608), (198, 18632), (204, 18650), (205, 18656),

Gene: Verity_29 Start: 23097, Stop: 23528, Start Num: 73

Candidate Starts for Verity_29:

(54, 23070), (Start: 73 @23097 has 107 MA's), (105, 23181), (113, 23211), (116, 23226), (122, 23256), (129, 23277), (154, 23358), (158, 23364), (167, 23391), (184, 23436), (188, 23451), (197, 23499), (198, 23502),

Gene: ViaConlectus_30 Start: 21588, Stop: 22019, Start Num: 73

Candidate Starts for ViaConlectus_30:

(44, 21528), (54, 21561), (Start: 73 @21588 has 107 MA's), (116, 21717), (122, 21747), (154, 21849), (158, 21855), (163, 21870), (184, 21927), (188, 21942), (197, 21990), (198, 21993),

Gene: Viceroy_32 Start: 21635, Stop: 22048, Start Num: 56

Candidate Starts for Viceroy_32:

(40, 21578), (Start: 56 @21635 has 38 MA's), (83, 21671), (118, 21794), (153, 21911), (161, 21926),

Gene: Vincenzo_24 Start: 20089, Stop: 20502, Start Num: 79

Candidate Starts for Vincenzo_24:

(52, 20038), (Start: 79 @20089 has 24 MA's), (116, 20209), (117, 20215), (145, 20290), (151, 20320), (180, 20395), (188, 20413), (205, 20494),

Gene: VioletZ_23 Start: 19392, Stop: 19805, Start Num: 79

Candidate Starts for VioletZ_23:

(Start: 79 @19392 has 24 MA's), (115, 19506), (116, 19512), (117, 19518), (126, 19554), (145, 19593), (147, 19605), (151, 19623), (197, 19770), (205, 19797),

Gene: Virapocalypse_25 Start: 18666, Stop: 19088, Start Num: 71

Candidate Starts for Virapocalypse_25:

(46, 18600), (Start: 71 @18666 has 232 MA's), (115, 18789), (116, 18795), (117, 18801), (140, 18864), (151, 18906), (181, 18984), (193, 19032), (198, 19056), (204, 19074), (205, 19080),

Gene: Virgeve_24 Start: 18408, Stop: 18830, Start Num: 70

Candidate Starts for Virgeve_24:

(Start: 70 @18408 has 54 MA's), (103, 18480), (115, 18531), (116, 18537), (117, 18543), (140, 18606), (151, 18648), (181, 18726), (193, 18774), (198, 18798), (204, 18816), (205, 18822),

Gene: Vista_25 Start: 18680, Stop: 19102, Start Num: 71

Candidate Starts for Vista_25:

(46, 18614), (Start: 71 @18680 has 232 MA's), (115, 18803), (116, 18809), (117, 18815), (140, 18878), (151, 18920), (172, 18971), (181, 18998), (193, 19046), (198, 19070), (204, 19088), (205, 19094),

Gene: Vivaldi_25 Start: 18710, Stop: 19132, Start Num: 71

Candidate Starts for Vivaldi_25:

(46, 18644), (Start: 71 @18710 has 232 MA's), (115, 18833), (116, 18839), (117, 18845), (140, 18908), (151, 18950), (181, 19028), (193, 19076), (198, 19100), (204, 19118), (205, 19124),

Gene: Vivi2_32 Start: 23909, Stop: 24343, Start Num: 73

Candidate Starts for Vivi2_32:

(53, 23879), (Start: 73 @23909 has 107 MA's), (105, 23993), (122, 24068), (130, 24092), (154, 24170), (163, 24191), (188, 24263), (198, 24314),

Gene: Vortex_25 Start: 18390, Stop: 18812, Start Num: 71

Candidate Starts for Vortex_25:

(46, 18324), (Start: 71 @18390 has 232 MA's), (115, 18513), (116, 18519), (117, 18525), (140, 18588), (151, 18630), (181, 18708), (193, 18756), (198, 18780), (204, 18798), (205, 18804),

Gene: Waleliano_23 Start: 19331, Stop: 19744, Start Num: 79

Candidate Starts for Waleliano_23:

(Start: 79 @19331 has 24 MA's), (115, 19445), (116, 19451), (117, 19457), (126, 19493), (145, 19532), (147, 19544), (151, 19562), (181, 19640), (197, 19709), (198, 19712), (205, 19736),

Gene: Wallhey_24 Start: 18240, Stop: 18662, Start Num: 70

Candidate Starts for Wallhey_24:

(Start: 70 @18240 has 54 MA's), (115, 18363), (116, 18369), (117, 18375), (140, 18438), (151, 18480), (181, 18558), (193, 18606), (198, 18630), (204, 18648), (205, 18654),

Gene: Waterdiva_25 Start: 18675, Stop: 19097, Start Num: 71

Candidate Starts for Waterdiva_25:

(46, 18609), (Start: 71 @18675 has 232 MA's), (115, 18798), (116, 18804), (117, 18810), (140, 18873), (151, 18915), (181, 18993), (193, 19041), (198, 19065), (204, 19083), (205, 19089),

Gene: Wayne3_34 Start: 22632, Stop: 23036, Start Num: 56

Candidate Starts for Wayne3_34:

(40, 22575), (Start: 56 @22632 has 38 MA's), (83, 22668), (135, 22842), (144, 22863), (158, 22908), (161, 22917), (194, 23022), (197, 23031),

Gene: Weher20_25 Start: 18668, Stop: 19090, Start Num: 70

Candidate Starts for Weher20_25:

(Start: 70 @18668 has 54 MA's), (115, 18791), (116, 18797), (117, 18803), (140, 18866), (151, 18908), (181, 18986), (193, 19034), (198, 19058), (204, 19076), (205, 19082),

Gene: West99_27 Start: 20954, Stop: 21382, Start Num: 71

Candidate Starts for West99_27:

(55, 20927), (Start: 71 @20954 has 232 MA's), (84, 20969), (116, 21086), (117, 21092), (123, 21119), (130, 21140), (140, 21158), (181, 21278), (185, 21284), (197, 21347), (205, 21374),

Gene: Wheelie_32 Start: 21950, Stop: 22354, Start Num: 56

Candidate Starts for Wheelie_32:

(40, 21893), (Start: 56 @21950 has 38 MA's), (83, 21986), (135, 22160), (144, 22181), (158, 22226), (161, 22235), (194, 22340), (197, 22349),

Gene: Wilca_32 Start: 20827, Stop: 21222, Start Num: 56

Candidate Starts for Wilca_32:

(Start: 56 @20827 has 38 MA's), (87, 20869), (91, 20878), (118, 20986), (169, 21127), (192, 21196), (194, 21214),

Gene: Windsor_24 Start: 18360, Stop: 18782, Start Num: 70

Candidate Starts for Windsor_24:

(Start: 70 @18360 has 54 MA's), (103, 18432), (115, 18483), (116, 18489), (117, 18495), (140, 18558), (151, 18600), (181, 18678), (193, 18726), (198, 18750), (204, 18768), (205, 18774),

Gene: Wizard_26 Start: 17704, Stop: 18147, Start Num: 73

Candidate Starts for Wizard_26:

(Start: 73 @17704 has 107 MA's), (154, 17965), (198, 18121),

Gene: Wooper_24 Start: 18613, Stop: 19023, Start Num: 73

Candidate Starts for Wooper_24:

(Start: 73 @18613 has 107 MA's), (124, 18775), (128, 18787), (181, 18931),

Gene: Xavier_24 Start: 18393, Stop: 18815, Start Num: 71

Candidate Starts for Xavier_24:

(46, 18327), (Start: 71 @18393 has 232 MA's), (115, 18516), (116, 18522), (117, 18528), (140, 18591), (151, 18633), (181, 18711), (193, 18759), (198, 18783), (204, 18801), (205, 18807),

Gene: Xkcd426_25 Start: 26648, Stop: 27025, Start Num: 97

Candidate Starts for Xkcd426_25:

(68, 26606), (Start: 97 @26648 has 5 MA's), (100, 26660), (120, 26747), (142, 26807), (159, 26867), (173, 26918), (187, 26960), (193, 26996),

Gene: YDN12_20 Start: 19174, Stop: 19551, Start Num: 97

Candidate Starts for YDN12_20:

(31, 19003), (Start: 97 @19174 has 5 MA's), (100, 19186), (105, 19207), (110, 19228), (120, 19273), (149, 19363), (159, 19393), (173, 19444), (177, 19459), (187, 19486), (188, 19489),

Gene: Yago84_22 Start: 17516, Stop: 17929, Start Num: 73

Candidate Starts for Yago84_22:

(Start: 73 @17516 has 107 MA's), (102, 17585), (117, 17651), (130, 17699), (171, 17807), (197, 17906),

Gene: Yahalom_26 Start: 19376, Stop: 19789, Start Num: 81

Candidate Starts for Yahalom_26:

(Start: 81 @19376 has 42 MA's), (116, 19496), (117, 19502), (130, 19550), (164, 19634), (197, 19760),

Gene: Yeti_33 Start: 19382, Stop: 19786, Start Num: 63

Candidate Starts for Yeti_33:

(Start: 63 @19382 has 46 MA's), (Start: 73 @19391 has 107 MA's), (91, 19418), (92, 19421), (117, 19517), (120, 19532), (123, 19544), (125, 19550), (143, 19592), (172, 19667), (184, 19700), (193, 19742), (203, 19781),

Gene: Yinz_26 Start: 19402, Stop: 19815, Start Num: 81

Candidate Starts for Yinz_26:

(Start: 81 @19402 has 42 MA's), (105, 19477), (116, 19522), (117, 19528), (164, 19660), (197, 19786),

Gene: YorkOnyx_30 Start: 22083, Stop: 22517, Start Num: 60

Candidate Starts for YorkOnyx_30:

(Start: 60 @22083 has 7 MA's), (98, 22137), (105, 22167), (127, 22257), (129, 22263), (154, 22344), (163, 22365), (188, 22437), (198, 22488),

Gene: Yoshand_25 Start: 18682, Stop: 19104, Start Num: 71

Candidate Starts for Yoshand_25:

(46, 18616), (Start: 71 @18682 has 232 MA's), (115, 18805), (116, 18811), (117, 18817), (140, 18880), (151, 18922), (181, 19000), (193, 19048), (198, 19072), (204, 19090), (205, 19096),

Gene: YouGoGlencoco_25 Start: 18671, Stop: 19093, Start Num: 71

Candidate Starts for YouGoGlencoco_25:

(46, 18605), (Start: 71 @18671 has 232 MA's), (115, 18794), (116, 18800), (117, 18806), (140, 18869), (151, 18911), (181, 18989), (193, 19037), (198, 19061), (204, 19079), (205, 19085),

Gene: YungMoney_28 Start: 19070, Stop: 19513, Start Num: 73

Candidate Starts for YungMoney_28:

(Start: 73 @19070 has 107 MA's), (198, 19487),

Gene: Zagie_33 Start: 22073, Stop: 22486, Start Num: 56

Candidate Starts for Zagie_33:

(40, 22016), (Start: 56 @22073 has 38 MA's), (118, 22232), (153, 22349), (161, 22364),

Gene: Zaider_26 Start: 18907, Stop: 19329, Start Num: 71

Candidate Starts for Zaider_26:

(46, 18841), (Start: 71 @18907 has 232 MA's), (115, 19030), (116, 19036), (117, 19042), (140, 19105), (151, 19147), (181, 19225), (193, 19273), (198, 19297), (204, 19315), (205, 19321),

Gene: Zelda_25 Start: 18676, Stop: 19098, Start Num: 71

Candidate Starts for Zelda_25:

(46, 18610), (Start: 71 @18676 has 232 MA's), (115, 18799), (116, 18805), (117, 18811), (140, 18874), (151, 18916), (181, 18994), (193, 19042), (198, 19066), (204, 19084), (205, 19090),

Gene: Zemanar_24 Start: 19331, Stop: 19744, Start Num: 79

Candidate Starts for Zemanar_24:

(Start: 79 @19331 has 24 MA's), (115, 19445), (116, 19451), (117, 19457), (126, 19493), (145, 19532), (147, 19544), (151, 19562), (181, 19640), (197, 19709), (198, 19712), (205, 19736),

Gene: Zenteno07_29 Start: 19112, Stop: 19528, Start Num: 76

Candidate Starts for Zenteno07_29:

(Start: 76 @19112 has 15 MA's), (116, 19235), (122, 19265), (123, 19268), (181, 19424), (188, 19439), (205, 19520),

Gene: Zhafia_36 Start: 22428, Stop: 22832, Start Num: 56

Candidate Starts for Zhafia_36:

(40, 22371), (Start: 56 @22428 has 38 MA's), (83, 22464), (135, 22638), (144, 22659), (158, 22704), (161, 22713), (194, 22818), (197, 22827),

Gene: Zipp_29 Start: 22994, Stop: 23425, Start Num: 73

Candidate Starts for Zipp_29:

(54, 22967), (Start: 73 @22994 has 107 MA's), (113, 23108), (116, 23123), (122, 23153), (129, 23174), (154, 23255), (158, 23261), (167, 23288), (184, 23333), (188, 23348), (197, 23396), (198, 23399),

Gene: Zitch_31 Start: 20868, Stop: 21299, Start Num: 73

Candidate Starts for Zitch_31:

(54, 20841), (Start: 73 @20868 has 107 MA's), (105, 20952), (116, 20997), (122, 21027), (129, 21048), (154, 21129), (158, 21135), (163, 21150), (184, 21207), (188, 21222), (197, 21270), (198, 21273),

Gene: Zonia_25 Start: 18690, Stop: 19112, Start Num: 70

Candidate Starts for Zonia_25:

(Start: 70 @18690 has 54 MA's), (115, 18813), (116, 18819), (117, 18825), (140, 18888), (151, 18930), (181, 19008), (193, 19056), (198, 19080), (204, 19098), (205, 19104),

Gene: Zooman_79 Start: 48365, Stop: 48775, Start Num: 65

Candidate Starts for Zooman_79:

(Start: 65 @48365 has 4 MA's), (Start: 81 @48386 has 42 MA's), (Start: 96 @48425 has 7 MA's), (104, 48452), (105, 48461), (108, 48479), (127, 48551), (180, 48692), (189, 48713),

Gene: phiAsp2_21 Start: 13673, Stop: 14086, Start Num: 82

Candidate Starts for phiAsp2_21:

(82, 13673), (100, 13724), (107, 13754), (117, 13796), (127, 13832), (139, 13856), (140, 13859), (145, 13871), (175, 13964), (188, 13994),