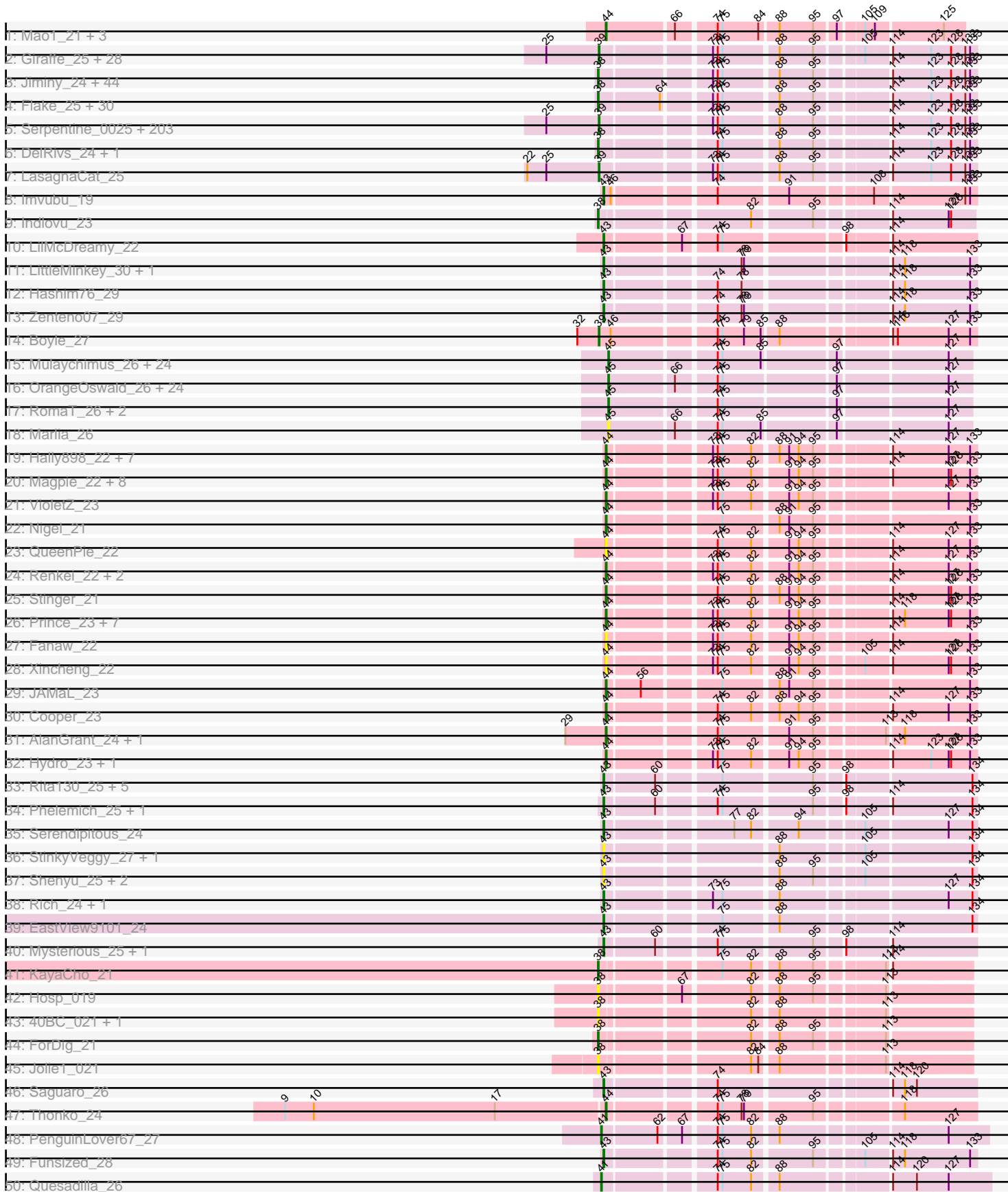
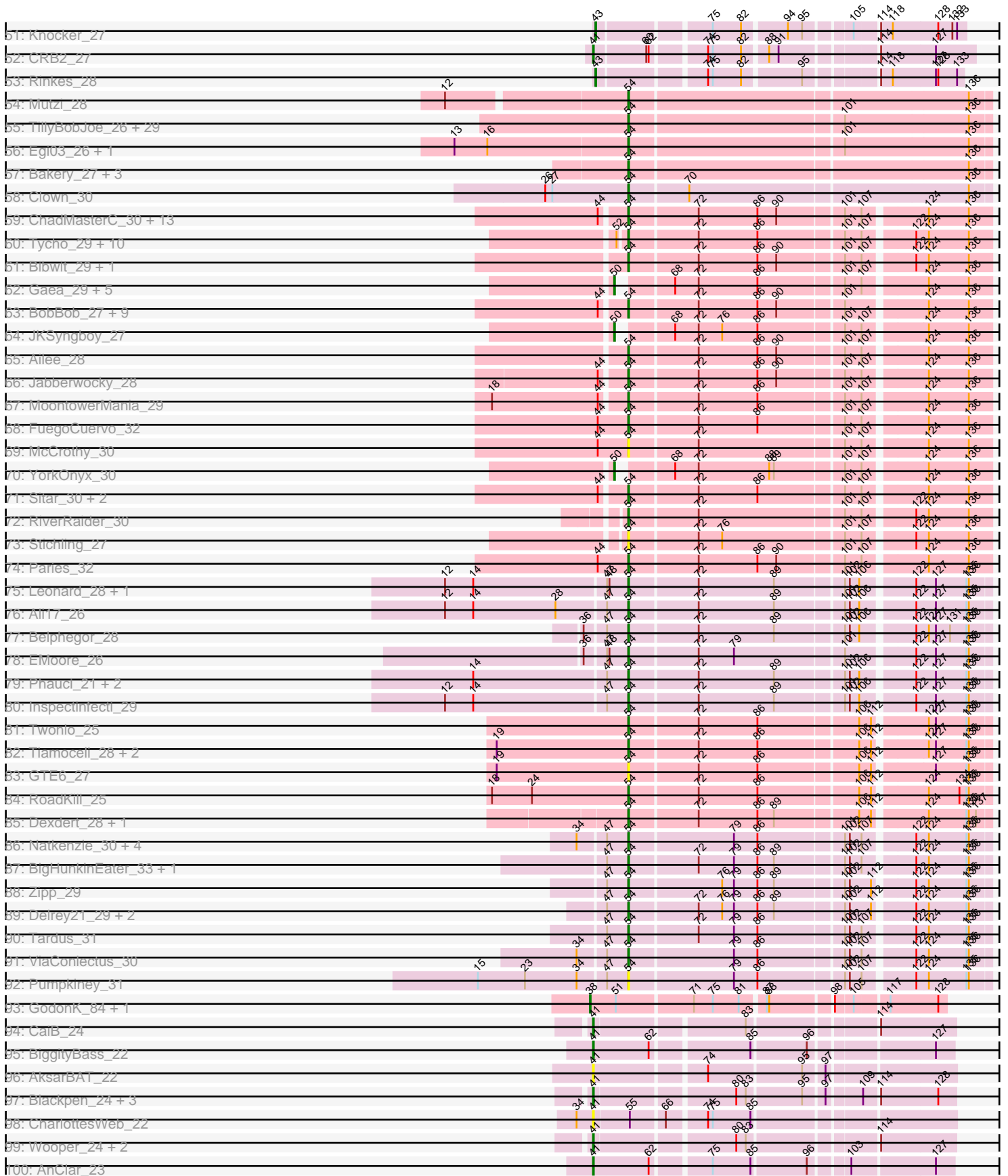


Pham 300913



Pham 300913



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 300913 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300913 has 675 members, 81 are drafts.

Phages represented in each track:

- Track 1 : Mao1_21, Mask_22, Dori_22, Sejanus_22
- Track 2 : Giraffe_25, Hetaeria_25, Oosterbaan_25, Usavi_25, Kikipoo_25, Cosmolli16_24, Pipsqueak_25, Mana_24, Scoot17C_25, 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, Potter_24, Morty_25, FugateOSU_24, Vista_25, Placalicious_24, PG1_25
- Track 3 : Jiminy_24, Hekos_22, DuchessDung_23, Aleia_25, Caspiboi_24, MrPhizzler_25, TyrionL_24, Oline_24, Maskar_24, Cornbread_24, Zonia_25, Ashraf_24, Taraxa_25, Hocus_24, Trypo_25, Plata_24, Swiphy_25, Etye_25, Doddsville_25, Duggie_24, JakeO_24, Schueller_24, JDog_24, ImtiyazSitla_24, DaddyDaniels_25, Durga_25, Karn_24, GeneCoco_25, Dati_25, FleetyMac_24, Longacauda_24, Melc17_25, Wallhey_24, HogWash_24, Kwksand96_24, Brilliant_25, Derpp_24, Happabalu_25, Struggle_24, Weher20_25, Vaishali24_24, PhatLouie_25, Labeouficaum_24, CharlieGBrown_24, Pinkman_24
- Track 4 : Flake_25, SirBeauregard_24, Larson_26, Phleuron_24, Rimu_25, BatteryCK_24, Windsor_24, Phergie_24, Nova1_24, Magic8_25, OSmaximus_25, Veritas_24, Coletti_25, MichaelPhcott_24, Kailash_25, Chute_24, MelsMeow_24, Keitherie_25, Virgeve_24, Mag7_24, PhrankReynolds_24, Gwennie1_25, ElvisPhasley_25, PhenghisKhan_24, BlacksBerry_24, Iridessa_25, Apizium_24, Hartsy_25, Nathan_25, Chaelin_24, Khan1_25
- Track 5 : Serpentine_0025, Haimas_25, Banjo_24, Mikota_25, Nacho_0025, Murdoc_25, Chunky_25, Adriana_25, OneBrain_25, Nicole21_25, FremontTroll_25, Kimbrough_25, Lumine_24, NiaNia_26, Maru_24, Burr_24, Selr12_25, Inchworm_25, OliverWalter_25, Valjean_25, KingVeVeVe_25, Fang_25, SilverBell_25, Triad_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, ShadowBud_25, AngelCake_25, Altwerkus_24, DirtJuice_25, Basato_26, Frankicide_25, Pherdinand_25, Pops_25, Boehler_25, ShiVal_25, Cher_24, CamL_25, Charles1_25, KLucky39_25, Gwilliam_25, Skippy_25, SDcharge11_25, Antonia_24, Gareth_24, Buckeye_25, Megamind20_25, Newman_25, Kwadwo_24, Simielle_24, Manad_24, Squid_25, Daffy_25, RedRaider89_26, Cornobble_24, Olak_24, Freya_24, ABU_25, Numberten_25, Hamish_25, TooFast2Furius_26, Andre_25, ThreeOh3D2_25, BlackStallion_25, Yoshand_25, Mcshane_24, Schadenfreude_24, Haleema_24, Scrick_25, MitKao_25, Swish_25, Bishoperium_24, Mutante_24, BoogieWoogie_24, Serendipity_25, Sigman_25, Roy17_25, Xavier_24, CheetO_25, Emiris_25, Spartan300_25, Cobra_25, DolOn_26, Bluephacebaby_24,

Dingo_25, Lulwa_25, LeeLot_25, KlimbOn_25, PhrodoBaggins_24, PinheadLarry_25, Beaglebox_24, Jillium_24, Sophia_24, Lopsy_24, Surely_25, Slatt_25, Toni_24, Mosaic_24, ProfessorX_25, Solosis_24, Jesabah_25, Virapocalypse_25, Crownjwl_25, Roliet_25, Harvey_25, Plmatters_25, Telesworld_24, SassyCat97_24, Badfish_25, Hertubise_25, QueenBeane_25, Childish_24, Fozzie_24, Omniscient_25, MiniBoss_25, CampRoach_25, Ricotta_24, Held_25, JangoPhett_25, Lego3393_25, Horchata_25, Lulumae_24, Matalotodo_25, Nyala_24, Colbert_25, Phareon_25, AbsoluteMadLad_24, Inverness_25, YouGoGlencoco_25, Quisquiliae_25, Waterdiva_25, UncleHowie_25, LemonSlice_25, Chipette_26, DonSanchon_24, Legolas_24, Cannibal_25, Gophee_25, HSavage_25, PallasAthena_25, Eremos_25, Morgushi_25, Dice_24, JacAttac_25, Carthage_23, Riggan_25, Puhltonio_25, Dione_24, Sheila_25, Mesh1_25, Samaymay_25, Timmi_24, True_24, Katniss_25, Daka_25, Squiggle_25, Thunderbird_24, TomBombadil_25, Lehmann_25, AltPhacts_25, Phipps_25, Kloppinator_25, Craff_25, PhatCats2014_25, Zaider_26, Piglet_0024, Roscoe_26, Suffolk_25, HenryJackson_24, Phunky_25, Phamished_25, Fringe_25, Vaticameos_25, BlueHusk_25, SallyH_25, Robyn_24, Orfeu_24, Podrick_25, GreenChile_25, FriarPreacher_25, Soto_25, Aonishiki_25, Mesmerelda_24, Tooj_25, RedMaple_24, Pacifista_24, Orwigg_24, Riverton_25, Anderson_25, Aelin_24, Jiraiya_24, Tomlarah_25, Vortex_25, Vivaldi_25

- Track 6 : DelRivs_24, Soile_25

- Track 7 : LasagnaCat_25

- Track 8 : Imvubu_19

- Track 9 : Indlovu_23

- Track 10 : LilMcDreamy_22

- Track 11 : LittleMinkey_30, BirdsNest_28

- Track 12 : Hashim76_29

- Track 13 : Zenteno07_29

- Track 14 : Boyle_27

- Track 15 : Mulaychimus_26, Bernardo_26, Baloo_26, Briakila_26, Ben11_25,

TinyTerror_26, MmasiCarm_26, GlenHope_27, Chentzyk_25, Audrey_26,

Pipefish_26, Chalmers_26, Phlyer_26, Tydolla_26, SlippinJimmy_26,

Marley1013_26, Heathcliff_26, Yahalom_26, Akoma_26, Kronus_25, Halfpint_25,

Gadget_27, Gervas_26, Morty007_26, Mortcellus_25

- Track 16 : OrangeOswald_26, Olivio_25, LestyG_26, Yinz_26, Chandler_26,

RagingRooster_26, ChaChing_26, Athena_27, Glubnar_27, Neos5_26, Nozo_26,

Corofin_26, Phayeta_26, Rita1961_26, SwainyDoc_26, Devonte_26, Obutu_26,

Philly_25, Abinghost_26, Deenasa_26, Shenandoah_26, SynergyX_26,

Compostia_27, Casbah_25, Kamiyu_26

- Track 17 : RomaT_26, HarveySr_26, Daisy_26

- Track 18 : Marlia_26

- Track 19 : Hally898_22, Ahwei_22, Antihero_22, Poster_22, Lambano_22,

Epah_22, GinPorsche_22, Nanao_22

- Track 20 : Magpie_22, Hangman_23, Waleliano_23, BrownCNA_24, Mithril_23,

JaguarMi_23, JoyceMaria_23, Zemanar_24, Heath_22

- Track 21 : VioletZ_23

- Track 22 : Nigel_21

- Track 23 : QueenPie_22

- Track 24 : Renkei_22, ChrisnMich_22, LittleDigger_22

- Track 25 : Stinger_21

- Track 26 : Prince_23, Mudslide_23, RawrgerThat_23, Frederick_23, Fortunato_23,

Apex_23, Austelle_24, BobbyK_23

- Track 27 : Fanaw_22

- Track 28 : Xincheng_22
- Track 29 : JAMaL_23
- Track 30 : Cooper_23
- Track 31 : AlanGrant_24, Vincenzo_24
- Track 32 : Hydro_23, Lolalove_23
- Track 33 : Rita130_25, Reccee_25, Acadian_25, Donny_25, Suigeneris_25, SirJeffery_25
- Track 34 : Phelemich_25, Reprobate_25
- Track 35 : Serendipitous_24
- Track 36 : StinkyVeggy_27, KarasumaRum_27
- Track 37 : Shenyu_25, DigitDog_25, Nangang_25
- Track 38 : Rich_24, Bae_24
- Track 39 : EastView9101_24
- Track 40 : Mysterious_25, Nehemiah_24
- Track 41 : KayaCho_21
- Track 42 : Hosp_019
- Track 43 : 40BC_021, 39HC_021
- Track 44 : ForDig_21
- Track 45 : Jolie1_021
- Track 46 : Saguaro_26
- Track 47 : Thonko_24
- Track 48 : PenguinLover67_27
- Track 49 : Funsized_28
- Track 50 : Quesadilla_26
- Track 51 : Knocker_27
- Track 52 : CRB2_27
- Track 53 : Rinkes_28
- Track 54 : Mutzi_28
- Track 55 : TillyBobJoe_26, Halo3_27, ClamChowder_28, Gezellig_26, KimmyK_28, PinkCoffee_28, Salvador_26, Twister6_28, Arri_29, VanDeWege_29, Valary_29, Togo_26, Danyall_28, Jambalaya_26, JohnPork_26, Portcullis_26, RogerDodger_29, CherryCola_29, Evamon_26, Phlop_26, Savbucketdawg_26, Wizard_26, PullumCavea_26, Fugax_28, CoveyB_28, Nubi_26, Shirji_26, SmokingBunny_26, Fireball_27, Barb_28
- Track 56 : Egi03_26, Sendy_27
- Track 57 : Bakery_27, SharkTale_26, Sixsevenium_27, YungMoney_28
- Track 58 : Clown_30
- Track 59 : ChadMasterC_30, Sanjuju_28, Shivanishola_31, Keitabear_30, Stultus_28, Kamashten_29, Charming_30, Affeca_28, Barsten_30, Kewpiedoll_29, Angelicage_28, Vivi2_32, Thing3_29, Brawn1_26
- Track 60 : Tycho_29, Baumdotcom_29, Ashertheman_30, Tangerine_29, Gustavo_29, LilHam_27, SchottB_28, Saronaya_29, StorminNorm_29, Kroos_30, Kwobi_31
- Track 61 : Bibwit_29, Sedona_30
- Track 62 : Gaea_29, Ribeye_30, Derg_25, Bizzy_30, Flatwoods_30, Baddon_29
- Track 63 : BobBob_27, Nordenberg_24, Brandonk123_31, Fosterous_28, McKinley_32, Tangent_30, Rofo_30, Geodirt_27, Love_33, Galadriel_30
- Track 64 : JKSyngboy_27
- Track 65 : Ailee_28
- Track 66 : Jabberwocky_28
- Track 67 : MoontowerMania_29
- Track 68 : FuegoCuervo_32
- Track 69 : McCrothy_30

- Track 70 : YorkOnyx_30
- Track 71 : Sitar_30, Lennon_30, Fitzgerald_28
- Track 72 : RiverRaider_30
- Track 73 : Stichling_27
- Track 74 : Paries_32
- Track 75 : Leonard_28, Phinally_28
- Track 76 : Ali17_26
- Track 77 : Belphegor_28
- Track 78 : EMoore_26
- Track 79 : Phauci_21, MelBins_29, Hans_30
- Track 80 : Inspectinfecti_29
- Track 81 : Twonlo_25
- Track 82 : Tiamoceli_28, EdmundFerry_26, Chickadee_27
- Track 83 : GTE6_27
- Track 84 : RoadKill_25
- Track 85 : Dextert_28, Kwekel_27
- Track 86 : Natkenzie_30, Sampson_30, Scioto_30, Abblin_30, APunk_31
- Track 87 : BigHunkinEater_33, Zitch_31
- Track 88 : Zipp_29
- Track 89 : Delrey21_29, DoctorFroggo_29, Verity_29
- Track 90 : Tardus_31
- Track 91 : ViaConlectus_30
- Track 92 : Pumpkiney_31
- Track 93 : GodonK_84, Phendrix_82
- Track 94 : CaiB_24
- Track 95 : BiggityBass_22
- Track 96 : AksarBAT_22
- Track 97 : Blackpen_24, CloverMinnie_24, MossRose_24, AnarQue_24
- Track 98 : CharlottesWeb_22
- Track 99 : Wooper_24, TraderJ_24, Yeshua_24
- Track 100 : AnClar_23
- Track 101 : JellyBelly_22
- Track 102 : Fresco_22, Axumite_22, Shatter_22, Ligma_22
- Track 103 : Yago84_22, Sisko_22
- Track 104 : MakoManhole_24, FelixTres_24
- Track 105 : LittleMunchkin_24
- Track 106 : BobRoss2024_21
- Track 107 : Sour_26
- Track 108 : Mariokart_22
- Track 109 : Evaa_23
- Track 110 : Coldpizza_25
- Track 111 : Mashley_31, Gazebo_32, Blab_31, AluminumJesus_31
- Track 112 : MorillMayhem_33, Sillytadpoles_33, Phabia_33, Jehoshaphat_35, Teehee_34, BaconCheese_36, Lonelysoil_32, Zhafia_35, Wheelie_32, DonaldDuck_32, Casend_34, Llemily_32, Wayne3_34
- Track 113 : Kelcole_31
- Track 114 : Pepe25_31, Wilca_32, BirdInFrench_32
- Track 115 : Fransoyer_35
- Track 116 : Nike_33, Zagie_33, Hyperion_32, Grassboy_34, Mila11_36, Squash_35, StrawberryJamm_35, Kyva_35, Namago_33, Rowlf_29, Mentos_38
- Track 117 : SallyK_34
- Track 118 : Quammi_31, Viceroy_32
- Track 119 : SadLad_37

- Track 120 : OneinaGillian_32, Fregley_33, CandC_31, KillerQueen_33
- Track 121 : WheelerS25_38
- Track 122 : Fizzles_33
- Track 123 : BabyDotz_32, Statler_34
- Track 124 : Rudy_31
- Track 125 : RobinRose_34, Romm_34
- Track 126 : Marcie_37
- Track 127 : EverythinBagel_32
- Track 128 : SlySloth_35
- Track 129 : Tissue_33, Judebell_35, FrankDeliGuy_30
- Track 130 : Tempo_32
- Track 131 : Altheas_35
- Track 132 : RubyRalph_35
- Track 133 : Phinky_39
- Track 134 : Taptic_19, PR_19, Megabear_19, Cepens_19, D12_19
- Track 135 : GodPhather_20, Argie_20, Jeon_19
- Track 136 : Pine5_25
- Track 137 : TPA2_31
- Track 138 : Kithara_33
- Track 139 : Sunfish_41

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

The start number called the most often in the published annotations is 39, it was called in 222 of the 594 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_25, AbsoluteMadLad_24, Adriana_25, Aelin_24, AltPhacts_25, Altwerkus_24, Anderson_25, Andre_25, AngelCake_25, Antonia_24, Aonishiki_25, Badfish_25, Banjo_24, Basato_26, Beaglebox_24, Bishoperium_24, BlackStallion_25, BlueHusk_25, Bluephacebaby_24, Boehler_25, BoogieWoogie_24, Boyle_27, Buckeye_25, Burr_24, CamL_25, CampRoach_25, Cannibal_25, Carthage_23, Charles1_25, CheetO_25, Cher_24, Childish_24, Chipette_26, Chorkpop_25, Chunky_25, Cobra_25, Colbert_25, Cornobble_24, Cosmolli16_24, Craff_25, Crownjwl_25, Daffy_25, Daka_25, Dice_24, Dingo_25, Dione_24, DirtJuice_25, DoesntMatter_25, DolOn_26, DonSanchon_24, Emiris_25, EmpTee_25, Eremos_25, Eugenia_25, Fang_25, FluffyNinja_25, Fozzie_24, Frankicide_25, FremontTroll_25, Freya_24, FriarPreacher_25, Fringe_25, FugateOSU_24, Gareth_24, Giraffe_25, Gophee_25, Grand2040_24, GreenChile_25, Gwilliam_25, Gyarad_0025, HSavage_25, Haimas_25, Haleema_24, Hamish_25, Harvey_25, Held_25, HenryJackson_24, Hertubise_25, Hetaeria_25, HighStump_24, Horchata_25, Inchworm_25, Inverness_25, Iridoclysis_25, IsaacEli_25, JacAttac_25, JangoPhett_25, Jesabah_25, Jillium_24, Jiraiya_24, KLucky39_25, Kahve_24, Katniss_25, Kikipoo_25, Kimbrough_25, KingVeVeVe_25, KlimbOn_25, Kloppinator_25, Kwadwo_24, LasagnaCat_25, Lasso_25, LeeLot_25, Lego3393_25, Legolas_24, Lehmann_25, LeiMonet_25, LemonSlice_25, Lopsy_24, LostAndPhound_24, LuckyMarjie_24, Lulumae_24, Lulwa_25, Lumine_24, MRabcd_24, Mana_24, Manad_24, Maru_24, Matalotodo_25, Mcshane_24, Mecca_24, Megamind20_25, Megatron_25, Mesh1_25, Mesmerelda_24, Mikota_25, MiniBoss_25, MitKao_25, Morgushi_25, Morty_25, Mosaic_24, Mulan_24,

Murdoc_25, Mutante_24, Nacho_0025, Newman_25, NiaNia_26, Nicole21_25, Numberten_25, Nyala_24, Olak_24, Olive_25, OliverWalter_25, Omniscient_25, OneBrain_25, Oosterbaan_25, Orfeu_24, Orion_25, Orwigg_24, PG1_25, Pacifista_24, PallasAthena_25, Phamished_25, 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, RedMaple_24, RedRaider89_26, Ricotta_24, Riggan_25, Riverton_25, Robyn_24, Roliet_25, Roscoe_26, Roy17_25, SDcharge11_25, SallyH_25, Samaymay_25, SassyCat97_24, Schadenfreude_24, Scoot17C_25, Scrick_25, Selr12_25, Serendipity_25, Serpentine_0025, ShadowBud_25, Sheila_25, ShiVal_25, Sigman_25, SilverBell_25, Simielle_24, Skippy_25, Slatt_25, Solosis_24, Sophia_24, Soto_25, Spartan300_25, Squid_25, Squiggle_25, Suffolk_25, Surely_25, Swish_25, TallGrassMM_25, Telesworld_24, Thora_25, ThreeOh3D2_25, Thunderbird_24, Timmi_24, TomBombadil_25, Tomlarah_25, Toni_24, TooFast2Furius_26, Tooj_25, Triad_25, True_24, UAch1_25, UncleHowie_25, Usavi_25, Valjean_25, Vaticameos_25, Virapocalypse_25, Vista_25, Vivaldi_25, Vortex_25, Waterdiva_25, Xavier_24, Yoshand_25, YouGoGlencoco_25, Zaider_26, Zelda_25,

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

-

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

- 39HC_021, 40BC_021, APunk_31, Abblin_30, Abinghost_26, Acadian_25, Affeca_28, Ahwei_22, Ailee_28, Akoma_26, AksarBAT_22, AlanGrant_24, Aleia_25, Ali17_26, Altheas_35, AluminumJesus_31, AnClar_23, AnarQue_24, Angelicage_28, Antihero_22, Apex_23, Apizium_24, Argie_20, Arri_29, Ashertheman_30, Ashraf_24, Athena_27, Audrey_26, Austelle_24, Axumite_22, BabyDotz_32, BaconCheese_36, Baddon_29, Bae_24, Bakery_27, Baloo_26, Barb_28, Barsten_30, BatteryCK_24, Baumdotcom_29, Belphegor_28, Ben11_25, Bernardo_26, Bibwit_29, BigHunkinEater_33, BiggityBass_22, BirdInFrench_32, BirdsNest_28, Bizzy_30, Blab_31, Blackpen_24, BlacksBerry_24, BobBob_27, BobRoss2024_21, BobbyK_23, Brandonk123_31, Brawn1_26, Briakila_26, Brilliant_25, BrownCNA_24, CRB2_27, CaiB_24, CandC_31, Casbah_25, Casend_34, Caspiboi_24, Cepens_19, ChaChing_26, ChadMasterC_30, Chaelin_24, Chalmers_26, Chandler_26, CharlieGBrown_24, CharlottesWeb_22, Charming_30, Chentzyk_25, CherryCola_29, Chickadee_27, ChrisnMich_22, Chute_24, ClamChowder_28, CloverMinnie_24, Clown_30, Coldpizza_25, Coletti_25, Compostia_27, Cooper_23, Cornbread_24, Corofin_26, CoveyB_28, D12_19, DaddyDaniels_25, Daisy_26, Danyall_28, Dati_25, Deenasa_26, DelRivs_24, Delrey21_29, Derg_25, Derpp_24, Devonte_26, Dextert_28, DigitDog_25, DoctorFroggo_29, Doddsville_25, DonaldDuck_32, Donny_25, Dori_22, DuchessDung_23, Duggie_24, Durga_25, EMoore_26, EastView9101_24, EdmundFerry_26, Egi03_26, ElvisPhasley_25, Epah_22, Etaye_25, Evaa_23, Evamon_26, EverythinBagel_32, Fanaw_22, FelixTres_24, Fireball_27, Fitzgerald_28, Fizzles_33, Flake_25, Flatwoods_30, FleetyMac_24, ForDig_21, Fortunato_23, Fosterous_28, FrankDeliGuy_30, Fransoyer_35, Frederick_23, Fregley_33, Fresco_22, FuegoCuervo_32, Fugax_28, Funsized_28, GTE6_27, Gadjet_27, Gaea_29, Galadriel_30, Gazebo_32, GeneCoco_25, Geodirt_27, Gervas_26, Gezellig_26, GinPorsche_22, GlenHope_27, Glubnar_27, GodPhather_20, GodonK_84, Grassboy_34, Gustavo_29, Gwennie1_25, Halfpint_25, Hally898_22, Halo3_27, Hangman_23, Hans_30, Happabalu_25, Hartsy_25, HarveySr_26, Hashim76_29, Heath_22, Heathcliff_26, Hekos_22, Hocus_24,

HogWash_24, Hosp_019, Hydro_23, Hyperion_32, ImtiyazSitla_24, Imvubu_19, Indlovu_23, Inspectinfecti_29, Iridessa_25, JAMaL_23, JDog_24, JKSyngboy_27, Jabberwocky_28, JaguarMi_23, JakeO_24, Jambalaya_26, Jehoshaphat_35, JellyBelly_22, Jeon_19, Jiminy_24, JohnPork_26, Jolie1_021, JoyceMaria_23, Judebell_35, Kailash_25, Kamashten_29, Kamiyu_26, KarasumaRum_27, Karn_24, KayaCho_21, Keitabear_30, Keitherie_25, Kelcole_31, Kewpiedoll_29, Khan1_25, KillerQueen_33, KimmyK_28, Kithara_33, Knocker_27, Kronus_25, Kroos_30, Kwekel_27, Kwksand96_24, Kwobi_31, Kyva_35, Labeouficaum_24, Lambano_22, Larson_26, Lennon_30, Leonard_28, LestyG_26, Ligma_22, LilHam_27, LilMcDreamy_22, LittleDigger_22, LittleMinkey_30, LittleMunchkin_24, Llemily_32, Lolalove_23, Lonelysoil_32, Longacauda_24, Love_33, Mag7_24, Magic8_25, Magpie_22, MakoManhole_24, Mao1_21, Marcie_37, Mariokart_22, Marley1013_26, Marlia_26, Mashley_31, Mask_22, Maskar_24, McCrothy_30, McKinley_32, Megabear_19, MelBins_29, Melc17_25, MelsMeow_24, Mentos_38, MichaelPhcott_24, Mila11_36, Mithril_23, MmasiCarm_26, MoontowerMania_29, MorillMayhem_33, Mortcellus_25, Morty007_26, MossRose_24, MrPhizzler_25, Mudslide_23, Mulaychimus_26, Mutzi_28, Mysterious_25, Namago_33, Nanao_22, Nangang_25, Nathan_25, Natkenzie_30, Nehemiah_24, Neos5_26, Nigel_21, Nike_33, Nordenberg_24, Nova1_24, Nozo_26, Nubi_26, OSmaximus_25, Obutu_26, Oline_24, Olivio_25, OneinaGillian_32, OrangeOswald_26, PR_19, Paries_32, 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, PhrankReynolds_24, Pine5_25, PinkCoffee_28, Pinkman_24, Pipefish_26, Plata_24, Portcullis_26, Poster_22, Prince_23, PullumCavea_26, Pumpkiney_31, Quammi_31, QueenPie_22, Quesadilla_26, RagingRooster_26, RawrgerThat_23, Reccee_25, Renkei_22, Reprobate_25, Ribeye_30, Rich_24, Rimu_25, Rinkes_28, Rita130_25, Rita1961_26, RiverRaider_30, RoadKill_25, RobinRose_34, Rofo_30, RogerDodger_29, RomaT_26, Romm_34, Rowlf_29, RubyRalph_35, Rudy_31, SadLad_37, Saguaro_26, SallyK_34, Salvador_26, Sampson_30, Sanjuju_28, Saronaya_29, Savbucketdawg_26, SchottB_28, Schueller_24, Scioto_30, Sedona_30, Sejanus_22, Sendy_27, Serendipitous_24, SharkTale_26, Shatter_22, Shenandoah_26, Shenyu_25, Shinji_26, Shivanishola_31, Sillytadpoles_33, SirBeauregard_24, SirJeffery_25, Sisko_22, Sitar_30, Sixsevenium_27, SlippinJimmy_26, SlySloth_35, SmokingBunny_26, Soile_25, Sour_26, Squash_35, Statler_34, Stichling_27, Stinger_21, StinkyVeggy_27, StorminNorm_29, StrawberryJamm_35, Struggle_24, Stultus_28, Suigeneris_25, Sunfish_41, SwainyDoc_26, Swiphy_25, SynergyX_26, TPA2_31, Tangent_30, Tangerine_29, Taptic_19, Taraxa_25, Tardus_31, Teehee_34, Tempo_32, Thing3_29, Thonko_24, Tiamoceli_28, TillyBobJoe_26, TinyTerror_26, Tissue_33, Togo_26, TraderJ_24, Trypo_25, Twister6_28, Twonlo_25, Tycho_29, Tydolla_26, TyrionL_24, Vaishali24_24, Valary_29, VanDeWege_29, Veritas_24, Verity_29, ViaConlectus_30, Viceroy_32, Vincenzo_24, VioletZ_23, Virgeve_24, Vivi2_32, Waleliano_23, Wallhey_24, Wayne3_34, Weher20_25, WheelerS25_38, Wheelie_32, Wilca_32, Windsor_24, Wizard_26, Wooper_24, Xincheng_22, Yago84_22, Yahalom_26, Yeshua_24, Yinz_26, YorkOnyx_30, YungMoney_28, Zagie_33, Zemanar_24, Zenteno07_29, Zhafia_35, Zipp_29, Zitch_31, Zonia_25,

Summary by start number:

Start 34:

- Found in 11 of 675 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 594

- Called 9.1% of time when present
- Phage (with cluster) where this start called: Sour_26 (DR),

Start 35:

- Found in 5 of 675 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: TPA2_31 (singleton),

Start 38:

- Found in 87 of 675 (12.9%) of genes in pham
- Manual Annotations of this start: 70 of 594
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_021 (B6), 40BC_021 (B6), Aleia_25 (B1), Apizium_24 (B1), Ashraf_24 (B1), BatteryCK_24 (B1), BlacksBerry_24 (B1), Brilliant_25 (B1), Caspiboi_24 (B1), Chaelin_24 (B1), CharlieGBrown_24 (B1), Chute_24 (B1), Coletti_25 (B1), Cornbread_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), ElvisPhasley_25 (B1), Etaye_25 (B1), Flake_25 (B1), FleetyMac_24 (B1), ForDig_21 (B6), GeneCoco_25 (B1), GodonK_84 (DK), Gwennie1_25 (B1), Happabalu_25 (B1), Hartsy_25 (B1), Hekos_22 (B1), Hocus_24 (B1), HogWash_24 (B1), Hosp_019 (B6), ImtiyazSitla_24 (B1), Indlovu_23 (B11), Iridessa_25 (B1), JDog_24 (B1), JakeO_24 (B1), Jiminy_24 (B1), Jolie1_021 (B6), Kailash_25 (B1), Karn_24 (B1), KayaCho_21 (B6), Keitherie_25 (B1), Khan1_25 (B1), Kwksand96_24 (B1), Labeouficaum_24 (B1), Larson_26 (B1), Longacauda_24 (B1), Mag7_24 (B1), Magic8_25 (B1), Maskar_24 (B1), Melc17_25 (B1), MelsMeow_24 (B1), MichaelPhcott_24 (B1), MrPhizzler_25 (B1), Nathan_25 (B1), Nova1_24 (B1), OSmaximus_25 (B1), Oline_24 (B1), PhatLouie_25 (B1), Phendrix_82 (DK), PhenghisKhan_24 (B1), Phergie_24 (B1), Phleuron_24 (B1), PhrankReynolds_24 (B1), Pinkman_24 (B1), Plata_24 (B1), Rimu_25 (B1), Schueller_24 (B1), SirBeauregard_24 (B1), Soile_25 (B1), Struggle_24 (B1), Swiphy_25 (B1), Taraxa_25 (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 39:

- Found in 235 of 675 (34.8%) of genes in pham
- Manual Annotations of this start: 222 of 594
- 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), AltPhacts_25 (B1), Altwerkus_24 (B1), Anderson_25 (B1), Andre_25 (B1), AngelCake_25 (B1), Antonia_24 (B1), Aonishiki_25 (B1), Badfish_25 (B1), Banjo_24 (B1), Basato_26 (B1), Beaglebox_24 (B1), Bishoperium_24 (B1), BlackStallion_25 (B1), BlueHusk_25 (B1), Bluephacebaby_24 (B1), Boehler_25 (B1), BoogieWoogie_24 (B1), Boyle_27 (B2), Buckeye_25 (B1), Burr_24 (B1), CamL_25 (B1), CampRoach_25 (B1), Cannibal_25 (B1), Carthage_23 (B1), Charles1_25 (B1), CheetO_25 (B1), Cher_24 (B1), Childish_24 (B1), Chipette_26 (B1), Chorkpop_25 (B1), Chunky_25 (B1), Cobra_25 (B1), Colbert_25 (B1), Cornobble_24 (B1), Cosmolli16_24 (B1), Craff_25 (B1), Crownjwi_25 (B1), Daffy_25 (B1), Daka_25 (B1), Dice_24 (B1), Dingo_25 (B1), Dione_24 (B1), DirtJuice_25 (B1), DoesntMatter_25 (B1), DolOn_26 (B1), DonSanchon_24 (B1), Emiris_25 (B1), EmpTee_25 (B1), Eremos_25 (B1), Eugenia_25 (B1), Fang_25 (B1), FluffyNinja_25 (B1), Fozzie_24 (B1), Frankicide_25 (B1), FremontTroll_25 (B1),

Freya_24 (B1), FriarPreacher_25 (B1), Fringe_25 (B1), FugateOSU_24 (B1),
 Gareth_24 (B1), Giraffe_25 (B1), Gophee_25 (B1), Grand2040_24 (B1),
 GreenChile_25 (B1), Gwilliam_25 (B1), Gyarad_0025 (B1), HSavage_25 (B1),
 Haimas_25 (B1), Haleema_24 (B1), Hamish_25 (B1), Harvey_25 (B1), Held_25 (B1),
 HenryJackson_24 (B1), Hertubise_25 (B1), Hetaeria_25 (B1), HighStump_24 (B1),
 Horchata_25 (B1), Inchworm_25 (B1), Inverness_25 (B1), Iridoclysis_25 (B1),
 IsaacEli_25 (B1), JacAttac_25 (B1), JangoPhett_25 (B1), Jesabah_25 (B1),
 Jillium_24 (B1), Jiraiya_24 (B1), KLucky39_25 (B1), Kahve_24 (B1), Katniss_25 (B1),
 Kikipoo_25 (B1), Kimbrough_25 (B1), KingVeVeVe_25 (B1), KlimbOn_25 (B1),
 Kloppinator_25 (B1), Kwadwo_24 (B1), LasagnaCat_25 (B1), Lasso_25 (B1),
 LeeLot_25 (B1), Lego3393_25 (B1), Legolas_24 (B1), Lehmann_25 (B1),
 LeiMonet_25 (B1), LemonSlice_25 (B1), 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), Matalotodo_25 (B1),
 Mcshane_24 (B1), Mecca_24 (B1), Megamind20_25 (B1), Megatron_25 (B1),
 Mesh1_25 (B1), Mesmerelda_24 (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), NiaNia_26 (B1),
 Nicole21_25 (B1), Numberten_25 (B1), Nyala_24 (B1), Olak_24 (B1), Olive_25 (B1),
 OliverWalter_25 (B1), Omniscient_25 (B1), OneBrain_25 (B1), Oosterbaan_25 (B1),
 Orfeu_24 (B1), Orion_25 (B1), Orwigg_24 (B1), PG1_25 (B1), Pacifista_24 (B1),
 PallasAthena_25 (B1), Phamished_25 (B1), 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),
 RedMaple_24 (B1), RedRaider89_26 (B1), Ricotta_24 (B1), Riggan_25 (B1),
 Riverton_25 (B1), Robyn_24 (B1), Roliet_25 (B1), Roscoe_26 (B1), Roy17_25 (B1),
 SDcharge11_25 (B1), SallyH_25 (B1), Samaymay_25 (B1), SassyCat97_24 (B1),
 Schadenfreude_24 (B1), Scoot17C_25 (B1), Scrick_25 (B1), Selr12_25 (B1),
 Serendipity_25 (B1), Serpentine_0025 (B1), ShadowBud_25 (B1), Sheila_25 (B1),
 ShiVal_25 (B1), Sigman_25 (B1), SilverBell_25 (B1), Simielle_24 (B1), Skippy_25
 (B1), Slatt_25 (B1), Solosis_24 (B1), Sophia_24 (B1), Soto_25 (B1), Spartan300_25
 (B1), Squid_25 (B1), Squiggle_25 (B1), Suffolk_25 (B1), Surely_25 (B1), Swish_25
 (B1), TallGrassMM_25 (B1), Telesworld_24 (B1), Thora_25 (B1), ThreeOh3D2_25
 (B1), Thunderbird_24 (B1), Timmi_24 (B1), TomBombadil_25 (B1), Tomlarah_25
 (B1), Toni_24 (B1), TooFast2Furius_26 (B1), Tooj_25 (B1), Triad_25 (B1), 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), Xavier_24 (B1), Yoshand_25 (B1),
 YouGoGlencoco_25 (B1), Zaidler_26 (B1), Zelda_25 (B1),

Start 40:

- Found in 1 of 675 (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 41:

- Found in 29 of 675 (4.3%) of genes in pham
- Manual Annotations of this start: 23 of 594
- Called 96.6% of time when present

- Phage (with cluster) where this start called: AksarBAT_22 (DR), AnClar_23 (DR), AnarQue_24 (DR), Axumite_22 (DR), BiggityBass_22 (DR), Blackpen_24 (DR), CRB2_27 (B9), CaiB_24 (DR), CharlottesWeb_22 (DR), CloverMinnie_24 (DR), Coldpizza_25 (DR), E'vaa_23 (DR), FelixTres_24 (DR), Fresco_22 (DR), JellyBelly_22 (DR), Ligma_22 (DR), LittleMunchkin_24 (DR), MakoManhole_24 (DR), Mariokart_22 (DR), MossRose_24 (DR), PenguinLover67_27 (B9), Quesadilla_26 (B9), Shatter_22 (DR), Sisko_22 (DR), TraderJ_24 (DR), Wooper_24 (DR), Yago84_22 (DR), Yeshua_24 (DR),

Start 43:

- Found in 30 of 675 (4.4%) of genes in pham
- Manual Annotations of this start: 20 of 594
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_25 (B5), Bae_24 (B5), BirdsNest_28 (B13), BobRoss2024_21 (DR), DigitDog_25 (B5), Donny_25 (B5), EastView9101_24 (B5), Funsized_28 (B9), Hashim76_29 (B13), Imvubu_19 (B10), KarasumaRum_27 (B5), Knocker_27 (B9), LilMcDreamy_22 (B12), LittleMinkey_30 (B13), Mysterious_25 (B5), Nangang_25 (B5), Nehemiah_24 (B5), Phelemich_25 (B5), Reccee_25 (B5), Reprobate_25 (B5), Rich_24 (B5), Rinkes_28 (B9), Rita130_25 (B5), Saguario_26 (B7), Serendipitous_24 (B5), Shenyu_25 (B5), SirJeffery_25 (B5), StinkyVeggy_27 (B5), Suigeneris_25 (B5), Zenteno07_29 (B13),

Start 44:

- Found in 77 of 675 (11.4%) of genes in pham
- Manual Annotations of this start: 33 of 594
- Called 58.4% of time when present
- Phage (with cluster) where this start called: Ahwei_22 (B4), AlanGrant_24 (B4), Antihero_22 (B4), Apex_23 (B4), Austelle_24 (B4), BobbyK_23 (B4), BrownCNA_24 (B4), ChrisnMich_22 (B4), Cooper_23 (B4), Dori_22 (AD), E'pah_22 (B4), Fanaw_22 (B4), Fortunato_23 (B4), Frederick_23 (B4), GinPorsche_22 (B4), Hally898_22 (B4), Hangman_23 (B4), Heath_22 (B4), Hydro_23 (B4), JAMaL_23 (B4), JaguarMi_23 (B4), JoyceMaria_23 (B4), Lambano_22 (B4), LittleDigger_22 (B4), Lolalove_23 (B4), Magpie_22 (B4), Mao1_21 (AD), Mask_22 (AD), Mithril_23 (B4), Mudslide_23 (B4), Nanao_22 (B4), Nigel_21 (B4), Poster_22 (B4), Prince_23 (B4), QueenPie_22 (B4), RawrgerThat_23 (B4), Renkei_22 (B4), Sejanus_22 (AD), Stinger_21 (B4), Thonko_24 (B8), Vincenzo_24 (B4), VioletZ_23 (B4), Waleliano_23 (B4), Xincheng_22 (B4), Zemanar_24 (B4),

Start 45:

- Found in 63 of 675 (9.3%) of genes in pham
- Manual Annotations of this start: 58 of 594
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abingghost_26 (B3), Akoma_26 (B3), Argie_20 (W), Athena_27 (B3), Audrey_26 (B3), Baloo_26 (B3), Ben11_25 (B3), Bernardo_26 (B3), Briakila_26 (B3), Casbah_25 (B3), Cepens_19 (W), ChaChing_26 (B3), Chalmers_26 (B3), Chandler_26 (B3), Chentzyk_25 (B3), Compostia_27 (B3), Corofin_26 (B3), D12_19 (W), Daisy_26 (B3), Deenasa_26 (B3), Devonte_26 (B3), Gadget_27 (B3), Gervas_26 (B3), GlenHope_27 (B3), Glubnar_27 (B3), GodPhather_20 (W), Halfpint_25 (B3), HarveySr_26 (B3), Heathcliff_26 (B3), Jeon_19 (W), Kamiyu_26 (B3), Kithara_33 (singleton), Kronus_25 (B3), LestyG_26 (B3), Marley1013_26 (B3), Marlia_26 (B3), Megabear_19 (W), MmasiCarm_26 (B3), Mortcellus_25 (B3), Morty007_26 (B3), Mulaychimus_26 (B3), Neos5_26 (B3), Nozo_26 (B3), Obutu_26 (B3), Olivio_25 (B3), OrangeOswald_26 (B3), PR_19 (W),

Phayeta_26 (B3), Philly_25 (B3), Phlyer_26 (B3), Pipefish_26 (B3), RagingRooster_26 (B3), Rita1961_26 (B3), RomaT_26 (B3), Shenandoah_26 (B3), SlippinJimmy_26 (B3), SwainyDoc_26 (B3), SynergyX_26 (B3), Taptic_19 (W), TinyTerror_26 (B3), Tydolla_26 (B3), Yahalom_26 (B3), Yinz_26 (B3),

Start 49:

- Found in 13 of 675 (1.9%) of genes in pham
- Manual Annotations of this start: 12 of 594
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_32 (EG), CandC_31 (EG), Fregley_33 (EG), Kelcole_31 (EG), KillerQueen_33 (EG), Marcie_37 (EG), OneinaGillian_32 (EG), Pepe25_31 (EG), RobinRose_34 (EG), Romm_34 (EG), Sunfish_41 (singleton), Tempo_32 (EG), Wilca_32 (EG),

Start 50:

- Found in 54 of 675 (8.0%) of genes in pham
- Manual Annotations of this start: 48 of 594
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_35 (EG), AluminumJesus_31 (EG), BabyDotz_32 (EG), BaconCheese_36 (EG), Baddon_29 (DE1), Bizzy_30 (DE1), Blab_31 (EG), Casend_34 (EG), Derg_25 (DE1), DonaldDuck_32 (EG), EverythinBagel_32 (EG), Fizzles_33 (EG), Flatwoods_30 (DE1), FrankDeliGuy_30 (EG), Fransoyer_35 (EG), Gaea_29 (DE1), Gazebo_32 (EG), Grassboy_34 (EG), Hyperion_32 (EG), JKSyngboy_27 (DE1), Jehoshaphat_35 (EG), Judebell_35 (EG), Kyva_35 (EG), Llemily_32 (EG), Lonelysoil_32 (EG), Mashley_31 (EG), Mentos_38 (EG), Mila11_36 (EG), MorillMayhem_33 (EG), Namago_33 (EG), Nike_33 (EG), Phabia_33 (EG), Phinky_39 (EG), Quammi_31 (EG), Ribeye_30 (DE1), Rowlf_29 (EG), RubyRalph_35 (EG), Rudy_31 (EG), SadLad_37 (EG), SallyK_34 (EG), Sillytadpoles_33 (EG), SlySloth_35 (EG), Squash_35 (EG), Statler_34 (EG), StrawberryJamm_35 (EG), Teehee_34 (EG), Tissue_33 (EG), Viceroy_32 (EG), Wayne3_34 (EG), WheelerS25_38 (EG), Wheelie_32 (EG), YorkOnyx_30 (DE1), Zagie_33 (EG), Zhafia_35 (EG),

Start 54:

- Found in 117 of 675 (17.3%) of genes in pham
- Manual Annotations of this start: 107 of 594
- Called 100.0% 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), Angelicage_28 (DE1), Arri_29 (DC1), Ashertheman_30 (DE1), Bakery_27 (DC1), Barb_28 (DC1), Barsten_30 (DE1), Baumdotcom_29 (DE1), Belphegor_28 (DE2), Bibwit_29 (DE1), BigHunkinEater_33 (DE4), BobBob_27 (DE1), Brandonk123_31 (DE1), Brawn1_26 (DE1), ChadMasterC_30 (DE1), Charming_30 (DE1), CherryCola_29 (DC1), Chickadee_27 (DE3), ClamChowder_28 (DC1), Clown_30 (DC2), CoveyB_28 (DC1), Danyall_28 (DC1), Delrey21_29 (DE4), Dexdert_28 (DE3), DoctorFroggo_29 (DE4), EMoore_26 (DE2), EdmundFerry_26 (DE3), Egi03_26 (DC1), Evamon_26 (DC1), Fireball_27 (DC1), Fitzgerald_28 (DE1), Fosterous_28 (DE1), FuegoCuervo_32 (DE1), Fugax_28 (DC1), GTE6_27 (DE3), Galadriel_30 (DE1), Geodirt_27 (DE1), Gezellig_26 (DC1), Gustavo_29 (DE1), Halo3_27 (DC1), Hans_30 (DE2), Inspectinfecti_29 (DE2), Jabberwocky_28 (DE1), Jambalaya_26 (DC1), JohnPork_26 (DC1), Kamashten_29 (DE1), Keitabear_30 (DE1), Kewpiedoll_29 (DE1), KimmyK_28 (DC1), Kroos_30 (DE1), Kwekel_27 (DE3), Kwobi_31 (DE1), Lennon_30 (DE1), Leonard_28 (DE2), LilHam_27 (DE1), Love_33 (DE1), McCrothy_30 (DE1),

McKinley_32 (DE1), MelBins_29 (DE2), MoontowerMania_29 (DE1), Mutzi_28 (DC1), Natkenzie_30 (DE4), Nordenberg_24 (DE1), Nubi_26 (DC1), Paries_32 (DE1), Phauci_21 (DE2), Phinally_28 (DE2), Phlop_26 (DC1), PinkCoffee_28 (DC1), Portcullis_26 (DC1), PullumCavea_26 (DC1), Pumpkiney_31 (DE4), RiverRaider_30 (DE1), RoadKill_25 (DE3), Rofo_30 (DE1), RogerDodger_29 (DC1), Salvador_26 (DC1), Sampson_30 (DE4), Sanjuju_28 (DE1), Saronaya_29 (DE1), Savbucketdawg_26 (DC1), SchottB_28 (DE1), Scioto_30 (DE4), Sedona_30 (DE1), Sendy_27 (DC1), SharkTale_26 (DC1), Shinji_26 (DC1), Shivanishola_31 (DE1), Sitar_30 (DE1), Sixsevenium_27 (DC1), SmokingBunny_26 (DC1), Stichling_27 (DE1), 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), YungMoney_28 (DC1), Zipp_29 (DE4), Zitch_31 (DE4),

Summary by clusters:

There are 25 clusters represented in this pham: singleton, DK, B12, B13, B10, B11, DR, AD, EG, W, DC2, DC1, DE1, DE2, DE3, DE4, B4, B5, B6, B7, B1, B2, B3, B8, B9,

Info for manual annotations of cluster AD:

- Start number 44 was manually annotated 4 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 38 was manually annotated 65 times for cluster B1.
- Start number 39 was manually annotated 221 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 43 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 38 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 43 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 43 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 39 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 45 was manually annotated 49 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 44 was manually annotated 28 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 43 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 38 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:

- Start number 43 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 44 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 41 was manually annotated 3 times for cluster B9.
- Start number 43 was manually annotated 3 times for cluster B9.

Info for manual annotations of cluster DC1:

- Start number 54 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 54 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 50 was manually annotated 8 times for cluster DE1.
- Start number 54 was manually annotated 45 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 54 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 54 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 54 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DK:

- Start number 38 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:

- Start number 34 was manually annotated 1 time for cluster DR.
- Start number 41 was manually annotated 20 times for cluster DR.

Info for manual annotations of cluster EG:

- Start number 49 was manually annotated 11 times for cluster EG.
- Start number 50 was manually annotated 40 times for cluster EG.

Info for manual annotations of cluster W:

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

Gene Information:

Gene: 39HC_021 Start: 17860, Stop: 18273, Start Num: 38

Candidate Starts for 39HC_021:

(Start: 38 @17860 has 70 MA's), (82, 18028), (88, 18055), (113, 18172),

Gene: 40BC_021 Start: 17860, Stop: 18273, Start Num: 38
Candidate Starts for 40BC_021:
(Start: 38 @17860 has 70 MA's), (82, 18028), (88, 18055), (113, 18172),

Gene: ABU_25 Start: 18669, Stop: 19091, Start Num: 39
Candidate Starts for ABU_25:
(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: APunk_31 Start: 22352, Stop: 22783, Start Num: 54
Candidate Starts for APunk_31:
(Start: 34 @22292 has 1 MA's), (47, 22325), (Start: 54 @22352 has 107 MA's), (79, 22481), (86, 22511), (101, 22613), (102, 22619), (107, 22634), (122, 22691), (124, 22706), (135, 22754), (136, 22757),

Gene: Abblin_30 Start: 22964, Stop: 23395, Start Num: 54
Candidate Starts for Abblin_30:
(Start: 34 @22904 has 1 MA's), (47, 22937), (Start: 54 @22964 has 107 MA's), (79, 23093), (86, 23123), (101, 23225), (102, 23231), (107, 23246), (122, 23303), (124, 23318), (135, 23366), (136, 23369),

Gene: Abinghost_26 Start: 19363, Stop: 19776, Start Num: 45
Candidate Starts for Abinghost_26:
(Start: 45 @19363 has 58 MA's), (66, 19438), (74, 19483), (75, 19489), (97, 19621), (127, 19747),

Gene: AbsoluteMadLad_24 Start: 18670, Stop: 19092, Start Num: 39
Candidate Starts for AbsoluteMadLad_24:
(25, 18604), (Start: 39 @18670 has 222 MA's), (73, 18793), (74, 18799), (75, 18805), (88, 18868), (95, 18910), (114, 18988), (123, 19036), (128, 19060), (132, 19078), (133, 19084),

Gene: Acadian_25 Start: 19389, Stop: 19805, Start Num: 43
Candidate Starts for Acadian_25:
(Start: 43 @19389 has 20 MA's), (60, 19449), (75, 19518), (95, 19623), (98, 19653), (134, 19800),

Gene: Adriana_25 Start: 18672, Stop: 19094, Start Num: 39
Candidate Starts for Adriana_25:
(25, 18606), (Start: 39 @18672 has 222 MA's), (73, 18795), (74, 18801), (75, 18807), (88, 18870), (95, 18912), (114, 18990), (123, 19038), (128, 19062), (132, 19080), (133, 19086),

Gene: Aelin_24 Start: 18235, Stop: 18657, Start Num: 39
Candidate Starts for Aelin_24:
(25, 18169), (Start: 39 @18235 has 222 MA's), (73, 18358), (74, 18364), (75, 18370), (88, 18433), (95, 18475), (114, 18553), (123, 18601), (128, 18625), (132, 18643), (133, 18649),

Gene: Affeca_28 Start: 22852, Stop: 23286, Start Num: 54
Candidate Starts for Affeca_28:
(Start: 44 @22822 has 33 MA's), (Start: 54 @22852 has 107 MA's), (72, 22936), (86, 23011), (90, 23035), (101, 23113), (107, 23134), (124, 23206), (136, 23257),

Gene: Ahwei_22 Start: 18304, Stop: 18717, Start Num: 44
Candidate Starts for Ahwei_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Ailee_28 Start: 23561, Stop: 23995, Start Num: 54

Candidate Starts for Ailee_28:

(Start: 54 @23561 has 107 MA's), (72, 23645), (86, 23720), (90, 23744), (101, 23822), (107, 23843), (124, 23915), (136, 23966),

Gene: Akoma_26 Start: 19364, Stop: 19777, Start Num: 45

Candidate Starts for Akoma_26:

(Start: 45 @19364 has 58 MA's), (74, 19484), (75, 19490), (85, 19538), (97, 19622), (127, 19748),

Gene: AksarBAT_22 Start: 17149, Stop: 17565, Start Num: 41

Candidate Starts for AksarBAT_22:

(Start: 41 @17149 has 23 MA's), (74, 17278), (95, 17392), (97, 17416),

Gene: AlanGrant_24 Start: 20089, Stop: 20502, Start Num: 44

Candidate Starts for AlanGrant_24:

(29, 20038), (Start: 44 @20089 has 33 MA's), (74, 20209), (75, 20215), (91, 20290), (95, 20320), (113, 20395), (118, 20413), (133, 20494),

Gene: Aleia_25 Start: 18248, Stop: 18670, Start Num: 38

Candidate Starts for Aleia_25:

(Start: 38 @18248 has 70 MA's), (73, 18371), (74, 18377), (75, 18383), (88, 18446), (95, 18488), (114, 18566), (123, 18614), (128, 18638), (132, 18656), (133, 18662),

Gene: Ali17_26 Start: 20746, Stop: 21177, Start Num: 54

Candidate Starts for Ali17_26:

(12, 20518), (14, 20554), (28, 20659), (47, 20719), (Start: 54 @20746 has 107 MA's), (72, 20830), (89, 20926), (101, 21007), (102, 21013), (106, 21025), (122, 21085), (127, 21109), (135, 21148), (136, 21151),

Gene: AltPhacts_25 Start: 18664, Stop: 19086, Start Num: 39

Candidate Starts for AltPhacts_25:

(25, 18598), (Start: 39 @18664 has 222 MA's), (73, 18787), (74, 18793), (75, 18799), (88, 18862), (95, 18904), (114, 18982), (123, 19030), (128, 19054), (132, 19072), (133, 19078),

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

Candidate Starts for Altheas_35:

(Start: 50 @22433 has 48 MA's), (82, 22592), (94, 22649), (95, 22667), (99, 22706), (104, 22721),

Gene: Altwerkus_24 Start: 18364, Stop: 18786, Start Num: 39

Candidate Starts for Altwerkus_24:

(25, 18298), (Start: 39 @18364 has 222 MA's), (73, 18487), (74, 18493), (75, 18499), (88, 18562), (95, 18604), (114, 18682), (123, 18730), (128, 18754), (132, 18772), (133, 18778),

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

Candidate Starts for AluminumJesus_31:

(30, 21870), (Start: 50 @21927 has 48 MA's), (67, 21999), (82, 22086), (99, 22203), (104, 22218),

Gene: AnClar_23 Start: 19435, Stop: 19848, Start Num: 41

Candidate Starts for AnClar_23:

(Start: 41 @19435 has 23 MA's), (62, 19504), (75, 19570), (85, 19618), (96, 19684), (103, 19726), (127, 19825),

Gene: AnarQue_24 Start: 18618, Stop: 19028, Start Num: 41

Candidate Starts for AnarQue_24:

(Start: 41 @18618 has 23 MA's), (80, 18780), (83, 18792), (95, 18858), (97, 18882), (109, 18921), (114, 18936), (128, 19008),

Gene: Anderson_25 Start: 18662, Stop: 19084, Start Num: 39

Candidate Starts for Anderson_25:

(25, 18596), (Start: 39 @18662 has 222 MA's), (73, 18785), (74, 18791), (75, 18797), (88, 18860), (95, 18902), (114, 18980), (123, 19028), (128, 19052), (132, 19070), (133, 19076),

Gene: Andre_25 Start: 18660, Stop: 19082, Start Num: 39

Candidate Starts for Andre_25:

(25, 18594), (Start: 39 @18660 has 222 MA's), (73, 18783), (74, 18789), (75, 18795), (88, 18858), (95, 18900), (114, 18978), (123, 19026), (128, 19050), (132, 19068), (133, 19074),

Gene: AngelCake_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for AngelCake_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Angelicage_28 Start: 23269, Stop: 23703, Start Num: 54

Candidate Starts for Angelicage_28:

(Start: 44 @23239 has 33 MA's), (Start: 54 @23269 has 107 MA's), (72, 23353), (86, 23428), (90, 23452), (101, 23530), (107, 23551), (124, 23623), (136, 23674),

Gene: Antihero_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for Antihero_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Antonia_24 Start: 18235, Stop: 18657, Start Num: 39

Candidate Starts for Antonia_24:

(25, 18169), (Start: 39 @18235 has 222 MA's), (73, 18358), (74, 18364), (75, 18370), (88, 18433), (95, 18475), (114, 18553), (123, 18601), (128, 18625), (132, 18643), (133, 18649),

Gene: Aonishiki_25 Start: 18690, Stop: 19112, Start Num: 39

Candidate Starts for Aonishiki_25:

(25, 18624), (Start: 39 @18690 has 222 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95, 18930), (114, 19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),

Gene: Apex_23 Start: 19517, Stop: 19930, Start Num: 44

Candidate Starts for Apex_23:

(Start: 44 @19517 has 33 MA's), (73, 19631), (74, 19637), (75, 19643), (82, 19679), (91, 19718), (94, 19730), (95, 19748), (114, 19826), (118, 19841), (127, 19895), (128, 19898), (133, 19922),

Gene: Apizium_24 Start: 18422, Stop: 18844, Start Num: 38

Candidate Starts for Apizium_24:

(Start: 38 @18422 has 70 MA's), (64, 18494), (73, 18545), (74, 18551), (75, 18557), (88, 18620), (95, 18662), (114, 18740), (123, 18788), (128, 18812), (132, 18830), (133, 18836),

Gene: Argie_20 Start: 18470, Stop: 18880, Start Num: 45

Candidate Starts for Argie_20:

(Start: 45 @18470 has 58 MA's), (66, 18545), (74, 18590), (75, 18596), (83, 18638), (88, 18662), (93, 18683), (113, 18785), (123, 18830),

Gene: Arri_29 Start: 18253, Stop: 18696, Start Num: 54

Candidate Starts for Arri_29:

(Start: 54 @18253 has 107 MA's), (101, 18514), (136, 18670),

Gene: Ashertheman_30 Start: 22146, Stop: 22580, Start Num: 54

Candidate Starts for Ashertheman_30:

(52, 22137), (Start: 54 @22146 has 107 MA's), (72, 22230), (86, 22305), (101, 22407), (107, 22428), (122, 22485), (124, 22500), (136, 22551),

Gene: Ashraf_24 Start: 18226, Stop: 18648, Start Num: 38

Candidate Starts for Ashraf_24:

(Start: 38 @18226 has 70 MA's), (73, 18349), (74, 18355), (75, 18361), (88, 18424), (95, 18466), (114, 18544), (123, 18592), (128, 18616), (132, 18634), (133, 18640),

Gene: Athena_27 Start: 20126, Stop: 20539, Start Num: 45

Candidate Starts for Athena_27:

(Start: 45 @20126 has 58 MA's), (66, 20201), (74, 20246), (75, 20252), (97, 20384), (127, 20510),

Gene: Audrey_26 Start: 19363, Stop: 19776, Start Num: 45

Candidate Starts for Audrey_26:

(Start: 45 @19363 has 58 MA's), (74, 19483), (75, 19489), (85, 19537), (97, 19621), (127, 19747),

Gene: Austelle_24 Start: 19973, Stop: 20386, Start Num: 44

Candidate Starts for Austelle_24:

(Start: 44 @19973 has 33 MA's), (73, 20087), (74, 20093), (75, 20099), (82, 20135), (91, 20174), (94, 20186), (95, 20204), (114, 20282), (118, 20297), (127, 20351), (128, 20354), (133, 20378),

Gene: Axumite_22 Start: 17225, Stop: 17635, Start Num: 41

Candidate Starts for Axumite_22:

(Start: 41 @17225 has 23 MA's), (66, 17306), (73, 17345), (75, 17357), (83, 17399), (85, 17405), (88, 17423), (103, 17513),

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

Candidate Starts for BabyDotz_32:

(33, 22150), (Start: 50 @22195 has 48 MA's), (53, 22207), (59, 22231), (93, 22405), (95, 22426), (101, 22471), (104, 22480), (131, 22585), (133, 22594),

Gene: BaconCheese_36 Start: 23444, Stop: 23848, Start Num: 50

Candidate Starts for BaconCheese_36:

(30, 23387), (Start: 50 @23444 has 48 MA's), (59, 23480), (93, 23654), (95, 23675), (101, 23720), (104, 23729), (131, 23834), (133, 23843),

Gene: Baddon_29 Start: 22946, Stop: 23380, Start Num: 50

Candidate Starts for Baddon_29:

(Start: 50 @22946 has 48 MA's), (68, 23000), (72, 23030), (86, 23105), (101, 23207), (107, 23228), (124, 23300), (136, 23351),

Gene: Badfish_25 Start: 18694, Stop: 19116, Start Num: 39

Candidate Starts for Badfish_25:

(25, 18628), (Start: 39 @18694 has 222 MA's), (73, 18817), (74, 18823), (75, 18829), (88, 18892), (95, 18934), (114, 19012), (123, 19060), (128, 19084), (132, 19102), (133, 19108),

Gene: Bae_24 Start: 19145, Stop: 19561, Start Num: 43

Candidate Starts for Bae_24:

(Start: 43 @19145 has 20 MA's), (73, 19262), (75, 19274), (88, 19337), (127, 19526), (134, 19556),

Gene: Bakery_27 Start: 17507, Stop: 17950, Start Num: 54

Candidate Starts for Bakery_27:

(Start: 54 @17507 has 107 MA's), (136, 17924),

Gene: Baloo_26 Start: 19363, Stop: 19776, Start Num: 45

Candidate Starts for Baloo_26:

(Start: 45 @19363 has 58 MA's), (74, 19483), (75, 19489), (85, 19537), (97, 19621), (127, 19747),

Gene: Banjo_24 Start: 18371, Stop: 18793, Start Num: 39

Candidate Starts for Banjo_24:

(25, 18305), (Start: 39 @18371 has 222 MA's), (73, 18494), (74, 18500), (75, 18506), (88, 18569), (95, 18611), (114, 18689), (123, 18737), (128, 18761), (132, 18779), (133, 18785),

Gene: Barb_28 Start: 18286, Stop: 18729, Start Num: 54

Candidate Starts for Barb_28:

(Start: 54 @18286 has 107 MA's), (101, 18547), (136, 18703),

Gene: Barsten_30 Start: 22693, Stop: 23127, Start Num: 54

Candidate Starts for Barsten_30:

(Start: 44 @22663 has 33 MA's), (Start: 54 @22693 has 107 MA's), (72, 22777), (86, 22852), (90, 22876), (101, 22954), (107, 22975), (124, 23047), (136, 23098),

Gene: Basato_26 Start: 18896, Stop: 19318, Start Num: 39

Candidate Starts for Basato_26:

(25, 18830), (Start: 39 @18896 has 222 MA's), (73, 19019), (74, 19025), (75, 19031), (88, 19094), (95, 19136), (114, 19214), (123, 19262), (128, 19286), (132, 19304), (133, 19310),

Gene: BatteryCK_24 Start: 18248, Stop: 18670, Start Num: 38

Candidate Starts for BatteryCK_24:

(Start: 38 @18248 has 70 MA's), (64, 18320), (73, 18371), (74, 18377), (75, 18383), (88, 18446), (95, 18488), (114, 18566), (123, 18614), (128, 18638), (132, 18656), (133, 18662),

Gene: Baumdotcom_29 Start: 21761, Stop: 22195, Start Num: 54

Candidate Starts for Baumdotcom_29:

(52, 21752), (Start: 54 @21761 has 107 MA's), (72, 21845), (86, 21920), (101, 22022), (107, 22043), (122, 22100), (124, 22115), (136, 22166),

Gene: Beaglebox_24 Start: 18391, Stop: 18813, Start Num: 39

Candidate Starts for Beaglebox_24:

(25, 18325), (Start: 39 @18391 has 222 MA's), (73, 18514), (74, 18520), (75, 18526), (88, 18589), (95, 18631), (114, 18709), (123, 18757), (128, 18781), (132, 18799), (133, 18805),

Gene: Belphegor_28 Start: 22298, Stop: 22729, Start Num: 54

Candidate Starts for Belphegor_28:

(36, 22247), (47, 22271), (Start: 54 @22298 has 107 MA's), (72, 22382), (89, 22478), (101, 22559), (102, 22565), (106, 22577), (122, 22637), (124, 22652), (127, 22661), (131, 22679), (135, 22700), (136, 22703),

Gene: Ben11_25 Start: 19185, Stop: 19598, Start Num: 45

Candidate Starts for Ben11_25:

(Start: 45 @19185 has 58 MA's), (74, 19305), (75, 19311), (85, 19359), (97, 19443), (127, 19569),

Gene: Bernardo_26 Start: 19363, Stop: 19776, Start Num: 45

Candidate Starts for Bernardo_26:

(Start: 45 @19363 has 58 MA's), (74, 19483), (75, 19489), (85, 19537), (97, 19621), (127, 19747),

Gene: Bibwit_29 Start: 22880, Stop: 23314, Start Num: 54

Candidate Starts for Bibwit_29:

(Start: 54 @22880 has 107 MA's), (72, 22964), (86, 23039), (90, 23063), (101, 23141), (107, 23162), (122, 23219), (124, 23234), (136, 23285),

Gene: BigHunkinEater_33 Start: 22135, Stop: 22566, Start Num: 54

Candidate Starts for BigHunkinEater_33:

(47, 22108), (Start: 54 @22135 has 107 MA's), (72, 22219), (79, 22264), (86, 22294), (89, 22315), (101, 22396), (102, 22402), (107, 22417), (122, 22474), (124, 22489), (135, 22537), (136, 22540),

Gene: BiggityBass_22 Start: 19520, Stop: 19933, Start Num: 41

Candidate Starts for BiggityBass_22:

(Start: 41 @19520 has 23 MA's), (62, 19589), (85, 19703), (96, 19769), (127, 19910),

Gene: BirdInFrench_32 Start: 20827, Stop: 21222, Start Num: 49

Candidate Starts for BirdInFrench_32:

(Start: 49 @20827 has 12 MA's), (61, 20869), (65, 20878), (82, 20986), (110, 21127), (126, 21196), (130, 21214),

Gene: BirdsNest_28 Start: 18737, Stop: 19153, Start Num: 43

Candidate Starts for BirdsNest_28:

(Start: 43 @18737 has 20 MA's), (78, 18890), (79, 18893), (114, 19049), (118, 19064), (133, 19145),

Gene: Bishoperium_24 Start: 18377, Stop: 18799, Start Num: 39

Candidate Starts for Bishoperium_24:

(25, 18311), (Start: 39 @18377 has 222 MA's), (73, 18500), (74, 18506), (75, 18512), (88, 18575), (95, 18617), (114, 18695), (123, 18743), (128, 18767), (132, 18785), (133, 18791),

Gene: Bizzy_30 Start: 22093, Stop: 22527, Start Num: 50

Candidate Starts for Bizzy_30:

(Start: 50 @22093 has 48 MA's), (68, 22147), (72, 22177), (86, 22252), (101, 22354), (107, 22375), (124, 22447), (136, 22498),

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

Candidate Starts for Blab_31:

(30, 21795), (Start: 50 @21852 has 48 MA's), (67, 21924), (82, 22011), (99, 22128), (104, 22143),

Gene: BlackStallion_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for BlackStallion_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: Blackpen_24 Start: 18036, Stop: 18446, Start Num: 41

Candidate Starts for Blackpen_24:

(Start: 41 @18036 has 23 MA's), (80, 18198), (83, 18210), (95, 18276), (97, 18300), (109, 18339), (114, 18354), (128, 18426),

Gene: BlacksBerry_24 Start: 18386, Stop: 18808, Start Num: 38

Candidate Starts for BlacksBerry_24:

(Start: 38 @18386 has 70 MA's), (64, 18458), (73, 18509), (74, 18515), (75, 18521), (88, 18584), (95, 18626), (114, 18704), (123, 18752), (128, 18776), (132, 18794), (133, 18800),

Gene: BlueHusk_25 Start: 18178, Stop: 18600, Start Num: 39

Candidate Starts for BlueHusk_25:

(25, 18112), (Start: 39 @18178 has 222 MA's), (73, 18301), (74, 18307), (75, 18313), (88, 18376), (95, 18418), (114, 18496), (123, 18544), (128, 18568), (132, 18586), (133, 18592),

Gene: Bluephacebaby_24 Start: 18377, Stop: 18799, Start Num: 39

Candidate Starts for Bluephacebaby_24:

(25, 18311), (Start: 39 @18377 has 222 MA's), (73, 18500), (74, 18506), (75, 18512), (88, 18575), (95, 18617), (114, 18695), (123, 18743), (128, 18767), (132, 18785), (133, 18791),

Gene: BobBob_27 Start: 22158, Stop: 22592, Start Num: 54

Candidate Starts for BobBob_27:

(Start: 44 @22128 has 33 MA's), (Start: 54 @22158 has 107 MA's), (72, 22242), (86, 22317), (90, 22341), (101, 22419), (124, 22512), (136, 22563),

Gene: BobRoss2024_21 Start: 16983, Stop: 17393, Start Num: 43

Candidate Starts for BobRoss2024_21:

(Start: 43 @16983 has 20 MA's), (86, 17166), (91, 17193), (109, 17286), (128, 17373),

Gene: BobbyK_23 Start: 19336, Stop: 19749, Start Num: 44

Candidate Starts for BobbyK_23:

(Start: 44 @19336 has 33 MA's), (73, 19450), (74, 19456), (75, 19462), (82, 19498), (91, 19537), (94, 19549), (95, 19567), (114, 19645), (118, 19660), (127, 19714), (128, 19717), (133, 19741),

Gene: Boehler_25 Start: 18687, Stop: 19109, Start Num: 39

Candidate Starts for Boehler_25:

(25, 18621), (Start: 39 @18687 has 222 MA's), (73, 18810), (74, 18816), (75, 18822), (88, 18885), (95, 18927), (114, 19005), (123, 19053), (128, 19077), (132, 19095), (133, 19101),

Gene: BoogieWoogie_24 Start: 18364, Stop: 18786, Start Num: 39

Candidate Starts for BoogieWoogie_24:

(25, 18298), (Start: 39 @18364 has 222 MA's), (73, 18487), (74, 18493), (75, 18499), (88, 18562), (95, 18604), (114, 18682), (123, 18730), (128, 18754), (132, 18772), (133, 18778),

Gene: Boyle_27 Start: 20955, Stop: 21383, Start Num: 39

Candidate Starts for Boyle_27:

(32, 20928), (Start: 39 @20955 has 222 MA's), (46, 20970), (74, 21087), (75, 21093), (79, 21120), (85, 21141), (88, 21159), (114, 21279), (116, 21285), (127, 21348), (133, 21375),

Gene: Brandonk123_31 Start: 23227, Stop: 23661, Start Num: 54

Candidate Starts for Brandonk123_31:

(Start: 44 @23197 has 33 MA's), (Start: 54 @23227 has 107 MA's), (72, 23311), (86, 23386), (90, 23410), (101, 23488), (124, 23581), (136, 23632),

Gene: Brawn1_26 Start: 22044, Stop: 22478, Start Num: 54

Candidate Starts for Brawn1_26:

(Start: 44 @22014 has 33 MA's), (Start: 54 @22044 has 107 MA's), (72, 22128), (86, 22203), (90, 22227), (101, 22305), (107, 22326), (124, 22398), (136, 22449),

Gene: Briakila_26 Start: 20128, Stop: 20541, Start Num: 45

Candidate Starts for Briakila_26:

(Start: 45 @20128 has 58 MA's), (74, 20248), (75, 20254), (85, 20302), (97, 20386), (127, 20512),

Gene: Brilliant_25 Start: 18382, Stop: 18804, Start Num: 38

Candidate Starts for Brilliant_25:

(Start: 38 @18382 has 70 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: BrownCNA_24 Start: 19588, Stop: 20001, Start Num: 44

Candidate Starts for BrownCNA_24:

(Start: 44 @19588 has 33 MA's), (73, 19702), (74, 19708), (75, 19714), (82, 19750), (91, 19789), (94, 19801), (95, 19819), (114, 19897), (127, 19966), (128, 19969), (133, 19993),

Gene: Buckeye_25 Start: 18701, Stop: 19123, Start Num: 39

Candidate Starts for Buckeye_25:

(25, 18635), (Start: 39 @18701 has 222 MA's), (73, 18824), (74, 18830), (75, 18836), (88, 18899), (95, 18941), (114, 19019), (123, 19067), (128, 19091), (132, 19109), (133, 19115),

Gene: Burr_24 Start: 18376, Stop: 18798, Start Num: 39

Candidate Starts for Burr_24:

(25, 18310), (Start: 39 @18376 has 222 MA's), (73, 18499), (74, 18505), (75, 18511), (88, 18574), (95, 18616), (114, 18694), (123, 18742), (128, 18766), (132, 18784), (133, 18790),

Gene: CRB2_27 Start: 21048, Stop: 21482, Start Num: 41

Candidate Starts for CRB2_27:

(Start: 41 @21048 has 23 MA's), (60, 21111), (62, 21114), (74, 21174), (75, 21180), (82, 21216), (88, 21243), (91, 21255), (114, 21363), (127, 21432),

Gene: CaiB_24 Start: 18604, Stop: 19014, Start Num: 41

Candidate Starts for CaiB_24:

(Start: 41 @18604 has 23 MA's), (83, 18778), (114, 18922),

Gene: CamL_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for CamL_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: CampRoach_25 Start: 18668, Stop: 19090, Start Num: 39

Candidate Starts for CampRoach_25:

(25, 18602), (Start: 39 @18668 has 222 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95, 18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: CandC_31 Start: 20527, Stop: 20922, Start Num: 49

Candidate Starts for CandC_31:

(Start: 49 @20527 has 12 MA's), (65, 20578), (82, 20686), (95, 20761), (110, 20827), (130, 20914),

Gene: Cannibal_25 Start: 18661, Stop: 19083, Start Num: 39

Candidate Starts for Cannibal_25:

(25, 18595), (Start: 39 @18661 has 222 MA's), (73, 18784), (74, 18790), (75, 18796), (88, 18859), (95, 18901), (114, 18979), (123, 19027), (128, 19051), (132, 19069), (133, 19075),

Gene: Carthage_23 Start: 17587, Stop: 18009, Start Num: 39

Candidate Starts for Carthage_23:

(25, 17521), (Start: 39 @17587 has 222 MA's), (73, 17710), (74, 17716), (75, 17722), (88, 17785), (95, 17827), (114, 17905), (123, 17953), (128, 17977), (132, 17995), (133, 18001),

Gene: Casbah_25 Start: 19215, Stop: 19628, Start Num: 45

Candidate Starts for Casbah_25:

(Start: 45 @19215 has 58 MA's), (66, 19290), (74, 19335), (75, 19341), (97, 19473), (127, 19599),

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

Candidate Starts for Casend_34:

(30, 22547), (Start: 50 @22604 has 48 MA's), (59, 22640), (93, 22814), (95, 22835), (101, 22880), (104, 22889), (131, 22994), (133, 23003),

Gene: Caspiboi_24 Start: 18381, Stop: 18803, Start Num: 38

Candidate Starts for Caspiboi_24:

(Start: 38 @18381 has 70 MA's), (73, 18504), (74, 18510), (75, 18516), (88, 18579), (95, 18621), (114, 18699), (123, 18747), (128, 18771), (132, 18789), (133, 18795),

Gene: Cepens_19 Start: 18194, Stop: 18604, Start Num: 45

Candidate Starts for Cepens_19:

(Start: 45 @18194 has 58 MA's), (66, 18269), (74, 18314), (75, 18320), (83, 18362), (88, 18386), (93, 18407), (113, 18509), (123, 18554),

Gene: ChaChing_26 Start: 19378, Stop: 19791, Start Num: 45

Candidate Starts for ChaChing_26:

(Start: 45 @19378 has 58 MA's), (66, 19453), (74, 19498), (75, 19504), (97, 19636), (127, 19762),

Gene: ChadMasterC_30 Start: 23885, Stop: 24319, Start Num: 54

Candidate Starts for ChadMasterC_30:

(Start: 44 @23855 has 33 MA's), (Start: 54 @23885 has 107 MA's), (72, 23969), (86, 24044), (90, 24068), (101, 24146), (107, 24167), (124, 24239), (136, 24290),

Gene: Chaelin_24 Start: 18361, Stop: 18783, Start Num: 38

Candidate Starts for Chaelin_24:

(Start: 38 @18361 has 70 MA's), (64, 18433), (73, 18484), (74, 18490), (75, 18496), (88, 18559), (95, 18601), (114, 18679), (123, 18727), (128, 18751), (132, 18769), (133, 18775),

Gene: Chalmers_26 Start: 20169, Stop: 20582, Start Num: 45

Candidate Starts for Chalmers_26:

(Start: 45 @20169 has 58 MA's), (74, 20289), (75, 20295), (85, 20343), (97, 20427), (127, 20553),

Gene: Chandler_26 Start: 20137, Stop: 20550, Start Num: 45

Candidate Starts for Chandler_26:

(Start: 45 @20137 has 58 MA's), (66, 20212), (74, 20257), (75, 20263), (97, 20395), (127, 20521),

Gene: Charles1_25 Start: 18659, Stop: 19081, Start Num: 39

Candidate Starts for Charles1_25:

(25, 18593), (Start: 39 @18659 has 222 MA's), (73, 18782), (74, 18788), (75, 18794), (88, 18857), (95, 18899), (114, 18977), (123, 19025), (128, 19049), (132, 19067), (133, 19073),

Gene: CharlieGBrown_24 Start: 18246, Stop: 18668, Start Num: 38

Candidate Starts for CharlieGBrown_24:

(Start: 38 @18246 has 70 MA's), (73, 18369), (74, 18375), (75, 18381), (88, 18444), (95, 18486), (114, 18564), (123, 18612), (128, 18636), (132, 18654), (133, 18660),

Gene: CharlottesWeb_22 Start: 17120, Stop: 17533, Start Num: 41

Candidate Starts for CharlottesWeb_22:

(Start: 34 @17099 has 1 MA's), (Start: 41 @17120 has 23 MA's), (55, 17162), (66, 17201), (74, 17246), (75, 17252), (85, 17300),

Gene: Charming_30 Start: 22736, Stop: 23170, Start Num: 54

Candidate Starts for Charming_30:

(Start: 44 @22706 has 33 MA's), (Start: 54 @22736 has 107 MA's), (72, 22820), (86, 22895), (90, 22919), (101, 22997), (107, 23018), (124, 23090), (136, 23141),

Gene: CheetO_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for CheetO_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: Chentzyk_25 Start: 19233, Stop: 19646, Start Num: 45

Candidate Starts for Chentzyk_25:

(Start: 45 @19233 has 58 MA's), (74, 19353), (75, 19359), (85, 19407), (97, 19491), (127, 19617),

Gene: Cher_24 Start: 18400, Stop: 18822, Start Num: 39

Candidate Starts for Cher_24:

(25, 18334), (Start: 39 @18400 has 222 MA's), (73, 18523), (74, 18529), (75, 18535), (88, 18598), (95, 18640), (114, 18718), (123, 18766), (128, 18790), (132, 18808), (133, 18814),

Gene: CherryCola_29 Start: 18503, Stop: 18946, Start Num: 54

Candidate Starts for CherryCola_29:

(Start: 54 @18503 has 107 MA's), (101, 18764), (136, 18920),

Gene: Chickadee_27 Start: 19601, Stop: 20032, Start Num: 54

Candidate Starts for Chickadee_27:

(19, 19433), (Start: 54 @19601 has 107 MA's), (72, 19685), (86, 19760), (106, 19880), (112, 19895), (124, 19955), (127, 19964), (135, 20003), (136, 20006),

Gene: Childish_24 Start: 18388, Stop: 18810, Start Num: 39

Candidate Starts for Childish_24:

(25, 18322), (Start: 39 @18388 has 222 MA's), (73, 18511), (74, 18517), (75, 18523), (88, 18586), (95, 18628), (114, 18706), (123, 18754), (128, 18778), (132, 18796), (133, 18802),

Gene: Chipette_26 Start: 18897, Stop: 19319, Start Num: 39

Candidate Starts for Chipette_26:

(25, 18831), (Start: 39 @18897 has 222 MA's), (73, 19020), (74, 19026), (75, 19032), (88, 19095), (95, 19137), (114, 19215), (123, 19263), (128, 19287), (132, 19305), (133, 19311),

Gene: Chorkpop_25 Start: 18399, Stop: 18821, Start Num: 39

Candidate Starts for Chorkpop_25:

(25, 18333), (Start: 39 @18399 has 222 MA's), (73, 18522), (74, 18528), (75, 18534), (88, 18597), (95, 18639), (105, 18690), (114, 18717), (123, 18765), (128, 18789), (132, 18807), (133, 18813),

Gene: ChrisnMich_22 Start: 18293, Stop: 18706, Start Num: 44

Candidate Starts for ChrisnMich_22:

(Start: 44 @18293 has 33 MA's), (73, 18407), (74, 18413), (75, 18419), (82, 18455), (91, 18494), (94, 18506), (95, 18524), (114, 18602), (127, 18671), (133, 18698),

Gene: Chunky_25 Start: 18687, Stop: 19109, Start Num: 39

Candidate Starts for Chunky_25:

(25, 18621), (Start: 39 @18687 has 222 MA's), (73, 18810), (74, 18816), (75, 18822), (88, 18885), (95, 18927), (114, 19005), (123, 19053), (128, 19077), (132, 19095), (133, 19101),

Gene: Chute_24 Start: 18712, Stop: 19134, Start Num: 38

Candidate Starts for Chute_24:

(Start: 38 @18712 has 70 MA's), (64, 18784), (73, 18835), (74, 18841), (75, 18847), (88, 18910), (95, 18952), (114, 19030), (123, 19078), (128, 19102), (132, 19120), (133, 19126),

Gene: ClamChowder_28 Start: 18286, Stop: 18729, Start Num: 54

Candidate Starts for ClamChowder_28:

(Start: 54 @18286 has 107 MA's), (101, 18547), (136, 18703),

Gene: CloverMinnie_24 Start: 18544, Stop: 18954, Start Num: 41

Candidate Starts for CloverMinnie_24:

(Start: 41 @18544 has 23 MA's), (80, 18706), (83, 18718), (95, 18784), (97, 18808), (109, 18847), (114, 18862), (128, 18934),

Gene: Clown_30 Start: 20227, Stop: 20670, Start Num: 54

Candidate Starts for Clown_30:

(26, 20125), (27, 20134), (Start: 54 @20227 has 107 MA's), (70, 20299), (136, 20644),

Gene: Cobra_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for Cobra_25:

(25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Colbert_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Colbert_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Coldpizza_25 Start: 21451, Stop: 21861, Start Num: 41

Candidate Starts for Coldpizza_25:

(Start: 41 @21451 has 23 MA's), (57, 21505), (58, 21508), (66, 21532), (75, 21583), (91, 21661),

Gene: Coletti_25 Start: 18712, Stop: 19134, Start Num: 38

Candidate Starts for Coletti_25:

(Start: 38 @18712 has 70 MA's), (64, 18784), (73, 18835), (74, 18841), (75, 18847), (88, 18910), (95, 18952), (114, 19030), (123, 19078), (128, 19102), (132, 19120), (133, 19126),

Gene: Compostia_27 Start: 19796, Stop: 20209, Start Num: 45

Candidate Starts for Compostia_27:

(Start: 45 @19796 has 58 MA's), (66, 19871), (74, 19916), (75, 19922), (97, 20054), (127, 20180),

Gene: Cooper_23 Start: 18410, Stop: 18823, Start Num: 44

Candidate Starts for Cooper_23:

(Start: 44 @18410 has 33 MA's), (74, 18530), (75, 18536), (82, 18572), (88, 18599), (94, 18623), (95, 18641), (114, 18719), (127, 18788), (133, 18815),

Gene: Cornbread_24 Start: 18393, Stop: 18815, Start Num: 38

Candidate Starts for Cornbread_24:

(Start: 38 @18393 has 70 MA's), (73, 18516), (74, 18522), (75, 18528), (88, 18591), (95, 18633), (114, 18711), (123, 18759), (128, 18783), (132, 18801), (133, 18807),

Gene: Cornobble_24 Start: 18235, Stop: 18657, Start Num: 39

Candidate Starts for Cornobble_24:

(25, 18169), (Start: 39 @18235 has 222 MA's), (73, 18358), (74, 18364), (75, 18370), (88, 18433), (95, 18475), (114, 18553), (123, 18601), (128, 18625), (132, 18643), (133, 18649),

Gene: Corofin_26 Start: 19388, Stop: 19801, Start Num: 45

Candidate Starts for Corofin_26:

(Start: 45 @19388 has 58 MA's), (66, 19463), (74, 19508), (75, 19514), (97, 19646), (127, 19772),

Gene: Cosmolli16_24 Start: 18394, Stop: 18816, Start Num: 39

Candidate Starts for Cosmolli16_24:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (105, 18685), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: CoveyB_28 Start: 18086, Stop: 18529, Start Num: 54

Candidate Starts for CoveyB_28:

(Start: 54 @18086 has 107 MA's), (101, 18347), (136, 18503),

Gene: Craff_25 Start: 18681, Stop: 19103, Start Num: 39

Candidate Starts for Craff_25:

(25, 18615), (Start: 39 @18681 has 222 MA's), (73, 18804), (74, 18810), (75, 18816), (88, 18879), (95, 18921), (114, 18999), (123, 19047), (128, 19071), (132, 19089), (133, 19095),

Gene: Crownjwl_25 Start: 18448, Stop: 18870, Start Num: 39

Candidate Starts for Crownjwl_25:

(25, 18382), (Start: 39 @18448 has 222 MA's), (73, 18571), (74, 18577), (75, 18583), (88, 18646), (95, 18688), (114, 18766), (123, 18814), (128, 18838), (132, 18856), (133, 18862),

Gene: D12_19 Start: 18187, Stop: 18597, Start Num: 45

Candidate Starts for D12_19:

(Start: 45 @18187 has 58 MA's), (66, 18262), (74, 18307), (75, 18313), (83, 18355), (88, 18379), (93, 18400), (113, 18502), (123, 18547),

Gene: DaddyDaniels_25 Start: 18373, Stop: 18795, Start Num: 38

Candidate Starts for DaddyDaniels_25:

(Start: 38 @18373 has 70 MA's), (73, 18496), (74, 18502), (75, 18508), (88, 18571), (95, 18613), (114, 18691), (123, 18739), (128, 18763), (132, 18781), (133, 18787),

Gene: Daffy_25 Start: 18400, Stop: 18822, Start Num: 39

Candidate Starts for Daffy_25:

(25, 18334), (Start: 39 @18400 has 222 MA's), (73, 18523), (74, 18529), (75, 18535), (88, 18598), (95, 18640), (114, 18718), (123, 18766), (128, 18790), (132, 18808), (133, 18814),

Gene: Daisy_26 Start: 19384, Stop: 19797, Start Num: 45

Candidate Starts for Daisy_26:

(Start: 45 @19384 has 58 MA's), (74, 19504), (75, 19510), (97, 19642), (127, 19768),

Gene: Daka_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Daka_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Danyall_28 Start: 18086, Stop: 18529, Start Num: 54

Candidate Starts for Danyall_28:

(Start: 54 @18086 has 107 MA's), (101, 18347), (136, 18503),

Gene: Dati_25 Start: 18390, Stop: 18812, Start Num: 38

Candidate Starts for Dati_25:

(Start: 38 @18390 has 70 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: Deenasa_26 Start: 20126, Stop: 20539, Start Num: 45

Candidate Starts for Deenasa_26:

(Start: 45 @20126 has 58 MA's), (66, 20201), (74, 20246), (75, 20252), (97, 20384), (127, 20510),

Gene: DelRivs_24 Start: 18389, Stop: 18811, Start Num: 38

Candidate Starts for DelRivs_24:

(Start: 38 @18389 has 70 MA's), (74, 18518), (75, 18524), (88, 18587), (95, 18629), (114, 18707), (123, 18755), (128, 18779), (132, 18797), (133, 18803),

Gene: Delrey21_29 Start: 23097, Stop: 23528, Start Num: 54

Candidate Starts for Delrey21_29:

(47, 23070), (Start: 54 @23097 has 107 MA's), (72, 23181), (76, 23211), (79, 23226), (86, 23256), (89, 23277), (101, 23358), (102, 23364), (112, 23391), (122, 23436), (124, 23451), (135, 23499), (136, 23502),

Gene: Derg_25 Start: 21689, Stop: 22123, Start Num: 50

Candidate Starts for Derg_25:

(Start: 50 @21689 has 48 MA's), (68, 21743), (72, 21773), (86, 21848), (101, 21950), (107, 21971), (124, 22043), (136, 22094),

Gene: Derpp_24 Start: 18236, Stop: 18658, Start Num: 38

Candidate Starts for Derpp_24:

(Start: 38 @18236 has 70 MA's), (73, 18359), (74, 18365), (75, 18371), (88, 18434), (95, 18476), (114, 18554), (123, 18602), (128, 18626), (132, 18644), (133, 18650),

Gene: Devonte_26 Start: 19363, Stop: 19776, Start Num: 45

Candidate Starts for Devonte_26:

(Start: 45 @19363 has 58 MA's), (66, 19438), (74, 19483), (75, 19489), (97, 19621), (127, 19747),

Gene: Dxdert_28 Start: 20032, Stop: 20463, Start Num: 54

Candidate Starts for Dxdert_28:

(Start: 54 @20032 has 107 MA's), (72, 20116), (86, 20191), (89, 20212), (106, 20311), (112, 20326), (124, 20386), (135, 20434), (136, 20437), (137, 20446),

Gene: Dice_24 Start: 18377, Stop: 18799, Start Num: 39

Candidate Starts for Dice_24:

(25, 18311), (Start: 39 @18377 has 222 MA's), (73, 18500), (74, 18506), (75, 18512), (88, 18575), (95, 18617), (114, 18695), (123, 18743), (128, 18767), (132, 18785), (133, 18791),

Gene: DigitDog_25 Start: 18981, Stop: 19397, Start Num: 43

Candidate Starts for DigitDog_25:

(Start: 43 @18981 has 20 MA's), (88, 19173), (95, 19215), (105, 19266), (134, 19392),

Gene: Dingo_25 Start: 18661, Stop: 19083, Start Num: 39

Candidate Starts for Dingo_25:

(25, 18595), (Start: 39 @18661 has 222 MA's), (73, 18784), (74, 18790), (75, 18796), (88, 18859), (95, 18901), (114, 18979), (123, 19027), (128, 19051), (132, 19069), (133, 19075),

Gene: Dione_24 Start: 18378, Stop: 18800, Start Num: 39

Candidate Starts for Dione_24:

(25, 18312), (Start: 39 @18378 has 222 MA's), (73, 18501), (74, 18507), (75, 18513), (88, 18576), (95, 18618), (114, 18696), (123, 18744), (128, 18768), (132, 18786), (133, 18792),

Gene: DirtJuice_25 Start: 18663, Stop: 19085, Start Num: 39

Candidate Starts for DirtJuice_25:

(25, 18597), (Start: 39 @18663 has 222 MA's), (73, 18786), (74, 18792), (75, 18798), (88, 18861), (95, 18903), (114, 18981), (123, 19029), (128, 19053), (132, 19071), (133, 19077),

Gene: DoctorFroggo_29 Start: 23097, Stop: 23528, Start Num: 54

Candidate Starts for DoctorFroggo_29:

(47, 23070), (Start: 54 @23097 has 107 MA's), (72, 23181), (76, 23211), (79, 23226), (86, 23256), (89, 23277), (101, 23358), (102, 23364), (112, 23391), (122, 23436), (124, 23451), (135, 23499), (136, 23502),

Gene: Doddsville_25 Start: 18390, Stop: 18812, Start Num: 38

Candidate Starts for Doddsville_25:

(Start: 38 @18390 has 70 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: DoesntMatter_25 Start: 18659, Stop: 19081, Start Num: 39

Candidate Starts for DoesntMatter_25:

(25, 18593), (Start: 39 @18659 has 222 MA's), (73, 18782), (74, 18788), (75, 18794), (88, 18857), (95, 18899), (105, 18950), (114, 18977), (123, 19025), (128, 19049), (132, 19067), (133, 19073),

Gene: DolOn_26 Start: 18910, Stop: 19332, Start Num: 39

Candidate Starts for DolOn_26:

(25, 18844), (Start: 39 @18910 has 222 MA's), (73, 19033), (74, 19039), (75, 19045), (88, 19108), (95, 19150), (114, 19228), (123, 19276), (128, 19300), (132, 19318), (133, 19324),

Gene: DonSanchon_24 Start: 18376, Stop: 18798, Start Num: 39

Candidate Starts for DonSanchon_24:

(25, 18310), (Start: 39 @18376 has 222 MA's), (73, 18499), (74, 18505), (75, 18511), (88, 18574), (95, 18616), (114, 18694), (123, 18742), (128, 18766), (132, 18784), (133, 18790),

Gene: DonaldDuck_32 Start: 21950, Stop: 22354, Start Num: 50

Candidate Starts for DonaldDuck_32:

(30, 21893), (Start: 50 @21950 has 48 MA's), (59, 21986), (93, 22160), (95, 22181), (101, 22226), (104, 22235), (131, 22340), (133, 22349),

Gene: Donny_25 Start: 19394, Stop: 19810, Start Num: 43

Candidate Starts for Donny_25:

(Start: 43 @19394 has 20 MA's), (60, 19454), (75, 19523), (95, 19628), (98, 19658), (134, 19805),

Gene: Dori_22 Start: 16225, Stop: 16629, Start Num: 44

Candidate Starts for Dori_22:

(Start: 44 @16225 has 33 MA's), (66, 16303), (74, 16348), (75, 16354), (84, 16399), (88, 16420), (95, 16462), (97, 16486), (105, 16513), (109, 16525), (125, 16603),

Gene: DuchessDung_23 Start: 17527, Stop: 17949, Start Num: 38

Candidate Starts for DuchessDung_23:

(Start: 38 @17527 has 70 MA's), (73, 17650), (74, 17656), (75, 17662), (88, 17725), (95, 17767), (114, 17845), (123, 17893), (128, 17917), (132, 17935), (133, 17941),

Gene: Duggie_24 Start: 18392, Stop: 18814, Start Num: 38

Candidate Starts for Duggie_24:

(Start: 38 @18392 has 70 MA's), (73, 18515), (74, 18521), (75, 18527), (88, 18590), (95, 18632), (114, 18710), (123, 18758), (128, 18782), (132, 18800), (133, 18806),

Gene: Durga_25 Start: 18689, Stop: 19111, Start Num: 38

Candidate Starts for Durga_25:

(Start: 38 @18689 has 70 MA's), (73, 18812), (74, 18818), (75, 18824), (88, 18887), (95, 18929), (114, 19007), (123, 19055), (128, 19079), (132, 19097), (133, 19103),

Gene: EMoore_26 Start: 21587, Stop: 22018, Start Num: 54

Candidate Starts for EMoore_26:

(36, 21536), (47, 21560), (48, 21563), (Start: 54 @21587 has 107 MA's), (72, 21671), (79, 21716), (101, 21848), (122, 21926), (127, 21950), (135, 21989), (136, 21992),

Gene: EastView9101_24 Start: 19041, Stop: 19457, Start Num: 43

Candidate Starts for EastView9101_24:

(Start: 43 @19041 has 20 MA's), (75, 19170), (88, 19233), (134, 19452),

Gene: EdmundFerry_26 Start: 19630, Stop: 20061, Start Num: 54

Candidate Starts for EdmundFerry_26:

(19, 19462), (Start: 54 @19630 has 107 MA's), (72, 19714), (86, 19789), (106, 19909), (112, 19924), (124, 19984), (127, 19993), (135, 20032), (136, 20035),

Gene: Egi03_26 Start: 17805, Stop: 18248, Start Num: 54

Candidate Starts for Egi03_26:

(13, 17589), (16, 17631), (Start: 54 @17805 has 107 MA's), (101, 18066), (136, 18222),

Gene: ElvisPhasley_25 Start: 18708, Stop: 19130, Start Num: 38

Candidate Starts for ElvisPhasley_25:

(Start: 38 @18708 has 70 MA's), (64, 18780), (73, 18831), (74, 18837), (75, 18843), (88, 18906), (95, 18948), (114, 19026), (123, 19074), (128, 19098), (132, 19116), (133, 19122),

Gene: Emiris_25 Start: 18670, Stop: 19092, Start Num: 39

Candidate Starts for Emiris_25:

(25, 18604), (Start: 39 @18670 has 222 MA's), (73, 18793), (74, 18799), (75, 18805), (88, 18868), (95, 18910), (114, 18988), (123, 19036), (128, 19060), (132, 19078), (133, 19084),

Gene: EmpTee_25 Start: 18676, Stop: 19098, Start Num: 39

Candidate Starts for EmpTee_25:

(25, 18610), (Start: 39 @18676 has 222 MA's), (73, 18799), (74, 18805), (75, 18811), (88, 18874), (95, 18916), (114, 18994), (123, 19042), (128, 19066), (132, 19084), (133, 19090),

Gene: Epah_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for Epah_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Eremos_25 Start: 18676, Stop: 19098, Start Num: 39

Candidate Starts for Eremos_25:

(25, 18610), (Start: 39 @18676 has 222 MA's), (73, 18799), (74, 18805), (75, 18811), (88, 18874), (95, 18916), (114, 18994), (123, 19042), (128, 19066), (132, 19084), (133, 19090),

Gene: Etaye_25 Start: 18662, Stop: 19084, Start Num: 38

Candidate Starts for Etaye_25:

(Start: 38 @18662 has 70 MA's), (73, 18785), (74, 18791), (75, 18797), (88, 18860), (95, 18902), (114, 18980), (123, 19028), (128, 19052), (132, 19070), (133, 19076),

Gene: Eugenia_25 Start: 18689, Stop: 19111, Start Num: 39

Candidate Starts for Eugenia_25:

(25, 18623), (Start: 39 @18689 has 222 MA's), (73, 18812), (74, 18818), (75, 18824), (88, 18887), (95, 18929), (114, 19007), (123, 19055), (128, 19079), (132, 19097), (133, 19103),

Gene: Evaa_23 Start: 18465, Stop: 18881, Start Num: 41

Candidate Starts for Evaa_23:

(Start: 41 @18465 has 23 MA's), (66, 18549), (75, 18600), (84, 18645), (97, 18732), (103, 18756),

Gene: Evamon_26 Start: 17572, Stop: 18015, Start Num: 54

Candidate Starts for Evamon_26:

(Start: 54 @17572 has 107 MA's), (101, 17833), (136, 17989),

Gene: EverythinBagel_32 Start: 22338, Stop: 22736, Start Num: 50

Candidate Starts for EverythinBagel_32:

(31, 22284), (Start: 50 @22338 has 48 MA's), (59, 22374), (93, 22548), (95, 22569), (101, 22614), (104, 22623),

Gene: Fanaw_22 Start: 18998, Stop: 19411, Start Num: 44

Candidate Starts for Fanaw_22:

(Start: 44 @18998 has 33 MA's), (73, 19112), (74, 19118), (75, 19124), (82, 19160), (91, 19199), (94, 19211), (95, 19229), (114, 19307), (133, 19403),

Gene: Fang_25 Start: 18690, Stop: 19112, Start Num: 39

Candidate Starts for Fang_25:

(25, 18624), (Start: 39 @18690 has 222 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95, 18930), (114, 19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),

Gene: FelixTres_24 Start: 18607, Stop: 19017, Start Num: 41

Candidate Starts for FelixTres_24:

(Start: 41 @18607 has 23 MA's), (80, 18769), (83, 18781), (95, 18847), (97, 18871), (109, 18910), (114, 18925),

Gene: Fireball_27 Start: 17704, Stop: 18147, Start Num: 54

Candidate Starts for Fireball_27:

(Start: 54 @17704 has 107 MA's), (101, 17965), (136, 18121),

Gene: Fitzgerald_28 Start: 23319, Stop: 23753, Start Num: 54

Candidate Starts for Fitzgerald_28:

(Start: 44 @23289 has 33 MA's), (Start: 54 @23319 has 107 MA's), (72, 23403), (86, 23478), (101, 23580), (107, 23601), (124, 23673), (136, 23724),

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

Candidate Starts for Fizzles_33:

(31, 21606), (Start: 50 @21660 has 48 MA's), (53, 21672), (59, 21696), (95, 21891), (101, 21936), (104, 21945), (119, 21993), (131, 22053), (133, 22062),

Gene: Flake_25 Start: 18712, Stop: 19134, Start Num: 38

Candidate Starts for Flake_25:

(Start: 38 @18712 has 70 MA's), (64, 18784), (73, 18835), (74, 18841), (75, 18847), (88, 18910), (95, 18952), (114, 19030), (123, 19078), (128, 19102), (132, 19120), (133, 19126),

Gene: Flatwoods_30 Start: 22050, Stop: 22484, Start Num: 50

Candidate Starts for Flatwoods_30:

(Start: 50 @22050 has 48 MA's), (68, 22104), (72, 22134), (86, 22209), (101, 22311), (107, 22332), (124, 22404), (136, 22455),

Gene: FleetyMac_24 Start: 18675, Stop: 19097, Start Num: 38

Candidate Starts for FleetyMac_24:

(Start: 38 @18675 has 70 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: FluffyNinja_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for FluffyNinja_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: ForDig_21 Start: 17846, Stop: 18259, Start Num: 38

Candidate Starts for ForDig_21:

(Start: 38 @17846 has 70 MA's), (82, 18014), (88, 18041), (95, 18083), (113, 18158),

Gene: Fortunato_23 Start: 19330, Stop: 19743, Start Num: 44

Candidate Starts for Fortunato_23:

(Start: 44 @19330 has 33 MA's), (73, 19444), (74, 19450), (75, 19456), (82, 19492), (91, 19531), (94, 19543), (95, 19561), (114, 19639), (118, 19654), (127, 19708), (128, 19711), (133, 19735),

Gene: Fosterous_28 Start: 23152, Stop: 23586, Start Num: 54

Candidate Starts for Fosterous_28:

(Start: 44 @23122 has 33 MA's), (Start: 54 @23152 has 107 MA's), (72, 23236), (86, 23311), (90, 23335), (101, 23413), (124, 23506), (136, 23557),

Gene: Fozzie_24 Start: 18685, Stop: 19107, Start Num: 39

Candidate Starts for Fozzie_24:

(25, 18619), (Start: 39 @18685 has 222 MA's), (73, 18808), (74, 18814), (75, 18820), (88, 18883), (95, 18925), (114, 19003), (123, 19051), (128, 19075), (132, 19093), (133, 19099),

Gene: FrankDeliGuy_30 Start: 21910, Stop: 22314, Start Num: 50

Candidate Starts for FrankDeliGuy_30:

(Start: 50 @21910 has 48 MA's), (53, 21922), (93, 22120), (95, 22141), (101, 22186), (104, 22195), (131, 22300), (133, 22309),

Gene: Frankicide_25 Start: 18676, Stop: 19098, Start Num: 39

Candidate Starts for Frankicide_25:

(25, 18610), (Start: 39 @18676 has 222 MA's), (73, 18799), (74, 18805), (75, 18811), (88, 18874), (95, 18916), (114, 18994), (123, 19042), (128, 19066), (132, 19084), (133, 19090),

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

Candidate Starts for Fransoyer_35:

(20, 21652), (35, 21742), (Start: 50 @21775 has 48 MA's), (73, 21886), (107, 22072), (110, 22075), (134, 22186),

Gene: Frederick_23 Start: 19339, Stop: 19752, Start Num: 44

Candidate Starts for Frederick_23:

(Start: 44 @19339 has 33 MA's), (73, 19453), (74, 19459), (75, 19465), (82, 19501), (91, 19540), (94, 19552), (95, 19570), (114, 19648), (118, 19663), (127, 19717), (128, 19720), (133, 19744),

Gene: Fregley_33 Start: 21097, Stop: 21492, Start Num: 49

Candidate Starts for Fregley_33:

(Start: 49 @21097 has 12 MA's), (65, 21148), (82, 21256), (95, 21331), (110, 21397), (130, 21484),

Gene: FremontTroll_25 Start: 18373, Stop: 18795, Start Num: 39

Candidate Starts for FremontTroll_25:

(25, 18307), (Start: 39 @18373 has 222 MA's), (73, 18496), (74, 18502), (75, 18508), (88, 18571), (95, 18613), (114, 18691), (123, 18739), (128, 18763), (132, 18781), (133, 18787),

Gene: Fresco_22 Start: 17225, Stop: 17635, Start Num: 41

Candidate Starts for Fresco_22:

(Start: 41 @17225 has 23 MA's), (66, 17306), (73, 17345), (75, 17357), (83, 17399), (85, 17405), (88, 17423), (103, 17513),

Gene: Freya_24 Start: 18371, Stop: 18793, Start Num: 39

Candidate Starts for Freya_24:

(25, 18305), (Start: 39 @18371 has 222 MA's), (73, 18494), (74, 18500), (75, 18506), (88, 18569), (95, 18611), (114, 18689), (123, 18737), (128, 18761), (132, 18779), (133, 18785),

Gene: FriarPreacher_25 Start: 18696, Stop: 19118, Start Num: 39

Candidate Starts for FriarPreacher_25:

(25, 18630), (Start: 39 @18696 has 222 MA's), (73, 18819), (74, 18825), (75, 18831), (88, 18894), (95, 18936), (114, 19014), (123, 19062), (128, 19086), (132, 19104), (133, 19110),

Gene: Fringe_25 Start: 18660, Stop: 19082, Start Num: 39

Candidate Starts for Fringe_25:

(25, 18594), (Start: 39 @18660 has 222 MA's), (73, 18783), (74, 18789), (75, 18795), (88, 18858), (95, 18900), (114, 18978), (123, 19026), (128, 19050), (132, 19068), (133, 19074),

Gene: FuegoCuervo_32 Start: 21703, Stop: 22137, Start Num: 54
Candidate Starts for FuegoCuervo_32:
(Start: 44 @21664 has 33 MA's), (Start: 54 @21703 has 107 MA's), (72, 21787), (86, 21862), (101, 21964), (107, 21985), (124, 22057), (136, 22108),

Gene: FugateOSU_24 Start: 18382, Stop: 18804, Start Num: 39
Candidate Starts for FugateOSU_24:
(25, 18316), (Start: 39 @18382 has 222 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (105, 18673), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: Fugax_28 Start: 18286, Stop: 18729, Start Num: 54
Candidate Starts for Fugax_28:
(Start: 54 @18286 has 107 MA's), (101, 18547), (136, 18703),

Gene: Funsized_28 Start: 21759, Stop: 22175, Start Num: 43
Candidate Starts for Funsized_28:
(Start: 43 @21759 has 20 MA's), (74, 21882), (75, 21888), (82, 21924), (95, 21993), (105, 22044), (114, 22071), (118, 22086), (133, 22167),

Gene: GTE6_27 Start: 20119, Stop: 20550, Start Num: 54
Candidate Starts for GTE6_27:
(19, 19951), (Start: 54 @20119 has 107 MA's), (72, 20203), (86, 20278), (106, 20398), (112, 20413), (127, 20482), (135, 20521), (136, 20524),

Gene: Gadget_27 Start: 19373, Stop: 19786, Start Num: 45
Candidate Starts for Gadget_27:
(Start: 45 @19373 has 58 MA's), (74, 19493), (75, 19499), (85, 19547), (97, 19631), (127, 19757),

Gene: Gaea_29 Start: 21701, Stop: 22135, Start Num: 50
Candidate Starts for Gaea_29:
(Start: 50 @21701 has 48 MA's), (68, 21755), (72, 21785), (86, 21860), (101, 21962), (107, 21983), (124, 22055), (136, 22106),

Gene: Galadriel_30 Start: 23641, Stop: 24075, Start Num: 54
Candidate Starts for Galadriel_30:
(Start: 44 @23611 has 33 MA's), (Start: 54 @23641 has 107 MA's), (72, 23725), (86, 23800), (90, 23824), (101, 23902), (124, 23995), (136, 24046),

Gene: Gareth_24 Start: 18379, Stop: 18801, Start Num: 39
Candidate Starts for Gareth_24:
(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: Gazebo_32 Start: 22390, Stop: 22803, Start Num: 50
Candidate Starts for Gazebo_32:
(30, 22333), (Start: 50 @22390 has 48 MA's), (67, 22462), (82, 22549), (99, 22666), (104, 22681),

Gene: GeneCoco_25 Start: 18681, Stop: 19103, Start Num: 38
Candidate Starts for GeneCoco_25:
(Start: 38 @18681 has 70 MA's), (73, 18804), (74, 18810), (75, 18816), (88, 18879), (95, 18921), (114, 18999), (123, 19047), (128, 19071), (132, 19089), (133, 19095),

Gene: Geodirt_27 Start: 22624, Stop: 23058, Start Num: 54

Candidate Starts for Geodirt_27:

(Start: 44 @22594 has 33 MA's), (Start: 54 @22624 has 107 MA's), (72, 22708), (86, 22783), (90, 22807), (101, 22885), (124, 22978), (136, 23029),

Gene: Gervas_26 Start: 19347, Stop: 19760, Start Num: 45

Candidate Starts for Gervas_26:

(Start: 45 @19347 has 58 MA's), (74, 19467), (75, 19473), (85, 19521), (97, 19605), (127, 19731),

Gene: Gezellig_26 Start: 17704, Stop: 18147, Start Num: 54

Candidate Starts for Gezellig_26:

(Start: 54 @17704 has 107 MA's), (101, 17965), (136, 18121),

Gene: GinPorsche_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for GinPorsche_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Giraffe_25 Start: 18384, Stop: 18806, Start Num: 39

Candidate Starts for Giraffe_25:

(25, 18318), (Start: 39 @18384 has 222 MA's), (73, 18507), (74, 18513), (75, 18519), (88, 18582), (95, 18624), (105, 18675), (114, 18702), (123, 18750), (128, 18774), (132, 18792), (133, 18798),

Gene: GlenHope_27 Start: 19356, Stop: 19769, Start Num: 45

Candidate Starts for GlenHope_27:

(Start: 45 @19356 has 58 MA's), (74, 19476), (75, 19482), (85, 19530), (97, 19614), (127, 19740),

Gene: Glubnar_27 Start: 19368, Stop: 19781, Start Num: 45

Candidate Starts for Glubnar_27:

(Start: 45 @19368 has 58 MA's), (66, 19443), (74, 19488), (75, 19494), (97, 19626), (127, 19752),

Gene: GodPhather_20 Start: 18473, Stop: 18883, Start Num: 45

Candidate Starts for GodPhather_20:

(Start: 45 @18473 has 58 MA's), (66, 18548), (74, 18593), (75, 18599), (83, 18641), (88, 18665), (93, 18686), (113, 18788), (123, 18833),

Gene: GodonK_84 Start: 43620, Stop: 44033, Start Num: 38

Candidate Starts for GodonK_84:

(Start: 38 @43620 has 70 MA's), (51, 43653), (71, 43746), (75, 43770), (81, 43803), (87, 43830), (88, 43833), (98, 43905), (105, 43926), (117, 43965), (128, 44025),

Gene: Gophee_25 Start: 18662, Stop: 19084, Start Num: 39

Candidate Starts for Gophee_25:

(25, 18596), (Start: 39 @18662 has 222 MA's), (73, 18785), (74, 18791), (75, 18797), (88, 18860), (95, 18902), (114, 18980), (123, 19028), (128, 19052), (132, 19070), (133, 19076),

Gene: Grand2040_24 Start: 18399, Stop: 18821, Start Num: 39

Candidate Starts for Grand2040_24:

(25, 18333), (Start: 39 @18399 has 222 MA's), (73, 18522), (74, 18528), (75, 18534), (88, 18597), (95, 18639), (105, 18690), (114, 18717), (123, 18765), (128, 18789), (132, 18807), (133, 18813),

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

Candidate Starts for Grassboy_34:

(30, 22507), (Start: 50 @22564 has 48 MA's), (82, 22723), (99, 22840), (104, 22855),

Gene: GreenChile_25 Start: 18676, Stop: 19098, Start Num: 39

Candidate Starts for GreenChile_25:

(25, 18610), (Start: 39 @18676 has 222 MA's), (73, 18799), (74, 18805), (75, 18811), (88, 18874), (95, 18916), (114, 18994), (123, 19042), (128, 19066), (132, 19084), (133, 19090),

Gene: Gustavo_29 Start: 21853, Stop: 22287, Start Num: 54

Candidate Starts for Gustavo_29:

(52, 21844), (Start: 54 @21853 has 107 MA's), (72, 21937), (86, 22012), (101, 22114), (107, 22135), (122, 22192), (124, 22207), (136, 22258),

Gene: Gwennie1_25 Start: 18721, Stop: 19143, Start Num: 38

Candidate Starts for Gwennie1_25:

(Start: 38 @18721 has 70 MA's), (64, 18793), (73, 18844), (74, 18850), (75, 18856), (88, 18919), (95, 18961), (114, 19039), (123, 19087), (128, 19111), (132, 19129), (133, 19135),

Gene: Gwilliam_25 Start: 18672, Stop: 19094, Start Num: 39

Candidate Starts for Gwilliam_25:

(25, 18606), (Start: 39 @18672 has 222 MA's), (73, 18795), (74, 18801), (75, 18807), (88, 18870), (95, 18912), (114, 18990), (123, 19038), (128, 19062), (132, 19080), (133, 19086),

Gene: Gyarad_0025 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for Gyarad_0025:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: HSavage_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for HSavage_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: Haimas_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Haimas_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Haleema_24 Start: 18399, Stop: 18821, Start Num: 39

Candidate Starts for Haleema_24:

(25, 18333), (Start: 39 @18399 has 222 MA's), (73, 18522), (74, 18528), (75, 18534), (88, 18597), (95, 18639), (114, 18717), (123, 18765), (128, 18789), (132, 18807), (133, 18813),

Gene: Halfpint_25 Start: 19188, Stop: 19601, Start Num: 45

Candidate Starts for Halfpint_25:

(Start: 45 @19188 has 58 MA's), (74, 19308), (75, 19314), (85, 19362), (97, 19446), (127, 19572),

Gene: Hally898_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for Hally898_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Halo3_27 Start: 17997, Stop: 18440, Start Num: 54

Candidate Starts for Halo3_27:

(Start: 54 @17997 has 107 MA's), (101, 18258), (136, 18414),

Gene: Hamish_25 Start: 18669, Stop: 19091, Start Num: 39

Candidate Starts for Hamish_25:

(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: Hangman_23 Start: 19331, Stop: 19744, Start Num: 44

Candidate Starts for Hangman_23:

(Start: 44 @19331 has 33 MA's), (73, 19445), (74, 19451), (75, 19457), (82, 19493), (91, 19532), (94, 19544), (95, 19562), (114, 19640), (127, 19709), (128, 19712), (133, 19736),

Gene: Hans_30 Start: 21408, Stop: 21839, Start Num: 54

Candidate Starts for Hans_30:

(14, 21216), (47, 21381), (Start: 54 @21408 has 107 MA's), (72, 21492), (89, 21588), (101, 21669), (102, 21675), (106, 21687), (122, 21747), (127, 21771), (135, 21810), (136, 21813),

Gene: Happabalu_25 Start: 18391, Stop: 18813, Start Num: 38

Candidate Starts for Happabalu_25:

(Start: 38 @18391 has 70 MA's), (73, 18514), (74, 18520), (75, 18526), (88, 18589), (95, 18631), (114, 18709), (123, 18757), (128, 18781), (132, 18799), (133, 18805),

Gene: Hartsy_25 Start: 18692, Stop: 19114, Start Num: 38

Candidate Starts for Hartsy_25:

(Start: 38 @18692 has 70 MA's), (64, 18764), (73, 18815), (74, 18821), (75, 18827), (88, 18890), (95, 18932), (114, 19010), (123, 19058), (128, 19082), (132, 19100), (133, 19106),

Gene: Harvey_25 Start: 18698, Stop: 19120, Start Num: 39

Candidate Starts for Harvey_25:

(25, 18632), (Start: 39 @18698 has 222 MA's), (73, 18821), (74, 18827), (75, 18833), (88, 18896), (95, 18938), (114, 19016), (123, 19064), (128, 19088), (132, 19106), (133, 19112),

Gene: HarveySr_26 Start: 19343, Stop: 19756, Start Num: 45

Candidate Starts for HarveySr_26:

(Start: 45 @19343 has 58 MA's), (74, 19463), (75, 19469), (97, 19601), (127, 19727),

Gene: Hashim76_29 Start: 19154, Stop: 19570, Start Num: 43

Candidate Starts for Hashim76_29:

(Start: 43 @19154 has 20 MA's), (74, 19277), (78, 19307), (114, 19466), (118, 19481), (133, 19562),

Gene: Heath_22 Start: 18962, Stop: 19375, Start Num: 44

Candidate Starts for Heath_22:

(Start: 44 @18962 has 33 MA's), (73, 19076), (74, 19082), (75, 19088), (82, 19124), (91, 19163), (94, 19175), (95, 19193), (114, 19271), (127, 19340), (128, 19343), (133, 19367),

Gene: Heathcliff_26 Start: 19325, Stop: 19738, Start Num: 45

Candidate Starts for Heathcliff_26:

(Start: 45 @19325 has 58 MA's), (74, 19445), (75, 19451), (85, 19499), (97, 19583), (127, 19709),

Gene: Hekos_22 Start: 17227, Stop: 17649, Start Num: 38

Candidate Starts for Hekos_22:

(Start: 38 @17227 has 70 MA's), (73, 17350), (74, 17356), (75, 17362), (88, 17425), (95, 17467), (114, 17545), (123, 17593), (128, 17617), (132, 17635), (133, 17641),

Gene: Held_25 Start: 18383, Stop: 18805, Start Num: 39

Candidate Starts for Held_25:

(25, 18317), (Start: 39 @18383 has 222 MA's), (73, 18506), (74, 18512), (75, 18518), (88, 18581), (95, 18623), (114, 18701), (123, 18749), (128, 18773), (132, 18791), (133, 18797),

Gene: HenryJackson_24 Start: 18399, Stop: 18821, Start Num: 39

Candidate Starts for HenryJackson_24:

(25, 18333), (Start: 39 @18399 has 222 MA's), (73, 18522), (74, 18528), (75, 18534), (88, 18597), (95, 18639), (114, 18717), (123, 18765), (128, 18789), (132, 18807), (133, 18813),

Gene: Hertubise_25 Start: 18691, Stop: 19113, Start Num: 39

Candidate Starts for Hertubise_25:

(25, 18625), (Start: 39 @18691 has 222 MA's), (73, 18814), (74, 18820), (75, 18826), (88, 18889), (95, 18931), (114, 19009), (123, 19057), (128, 19081), (132, 19099), (133, 19105),

Gene: Hetaeria_25 Start: 18692, Stop: 19114, Start Num: 39

Candidate Starts for Hetaeria_25:

(25, 18626), (Start: 39 @18692 has 222 MA's), (73, 18815), (74, 18821), (75, 18827), (88, 18890), (95, 18932), (105, 18983), (114, 19010), (123, 19058), (128, 19082), (132, 19100), (133, 19106),

Gene: HighStump_24 Start: 18382, Stop: 18804, Start Num: 39

Candidate Starts for HighStump_24:

(25, 18316), (Start: 39 @18382 has 222 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (105, 18673), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: Hocus_24 Start: 18385, Stop: 18807, Start Num: 38

Candidate Starts for Hocus_24:

(Start: 38 @18385 has 70 MA's), (73, 18508), (74, 18514), (75, 18520), (88, 18583), (95, 18625), (114, 18703), (123, 18751), (128, 18775), (132, 18793), (133, 18799),

Gene: HogWash_24 Start: 18679, Stop: 19101, Start Num: 38

Candidate Starts for HogWash_24:

(Start: 38 @18679 has 70 MA's), (73, 18802), (74, 18808), (75, 18814), (88, 18877), (95, 18919), (114, 18997), (123, 19045), (128, 19069), (132, 19087), (133, 19093),

Gene: Horchata_25 Start: 18661, Stop: 19083, Start Num: 39

Candidate Starts for Horchata_25:

(25, 18595), (Start: 39 @18661 has 222 MA's), (73, 18784), (74, 18790), (75, 18796), (88, 18859), (95, 18901), (114, 18979), (123, 19027), (128, 19051), (132, 19069), (133, 19075),

Gene: Hosp_019 Start: 16062, Stop: 16475, Start Num: 38

Candidate Starts for Hosp_019:

(Start: 38 @16062 has 70 MA's), (67, 16152), (82, 16230), (88, 16257), (95, 16299), (113, 16374),

Gene: Hydro_23 Start: 19336, Stop: 19749, Start Num: 44

Candidate Starts for Hydro_23:

(Start: 44 @19336 has 33 MA's), (73, 19450), (74, 19456), (75, 19462), (82, 19498), (91, 19537), (94, 19549), (95, 19567), (114, 19645), (123, 19693), (127, 19714), (128, 19717), (133, 19741),

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

Candidate Starts for Hyperion_32:

(30, 22290), (Start: 50 @22347 has 48 MA's), (82, 22506), (99, 22623), (104, 22638),

Gene: ImtiyazSitla_24 Start: 18226, Stop: 18648, Start Num: 38

Candidate Starts for ImtiyazSitla_24:

(Start: 38 @18226 has 70 MA's), (73, 18349), (74, 18355), (75, 18361), (88, 18424), (95, 18466), (114, 18544), (123, 18592), (128, 18616), (132, 18634), (133, 18640),

Gene: Imvubu_19 Start: 16429, Stop: 16845, Start Num: 43

Candidate Starts for Imvubu_19:

(Start: 43 @16429 has 20 MA's), (46, 16438), (74, 16552), (91, 16633), (108, 16723), (132, 16831), (133, 16837),

Gene: Inchworm_25 Start: 18668, Stop: 19090, Start Num: 39

Candidate Starts for Inchworm_25:

(25, 18602), (Start: 39 @18668 has 222 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95, 18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: Indlovu_23 Start: 19044, Stop: 19460, Start Num: 38

Candidate Starts for Indlovu_23:

(Start: 38 @19044 has 70 MA's), (82, 19212), (95, 19281), (114, 19359), (127, 19428), (128, 19431),

Gene: Inspectinfecti_29 Start: 21832, Stop: 22263, Start Num: 54

Candidate Starts for Inspectinfecti_29:

(12, 21604), (14, 21640), (47, 21805), (Start: 54 @21832 has 107 MA's), (72, 21916), (89, 22012), (101, 22093), (102, 22099), (106, 22111), (122, 22171), (127, 22195), (135, 22234), (136, 22237),

Gene: Inverness_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for Inverness_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: Iridessa_25 Start: 18368, Stop: 18790, Start Num: 38

Candidate Starts for Iridessa_25:

(Start: 38 @18368 has 70 MA's), (64, 18440), (73, 18491), (74, 18497), (75, 18503), (88, 18566), (95, 18608), (114, 18686), (123, 18734), (128, 18758), (132, 18776), (133, 18782),

Gene: Iridoclysis_25 Start: 18656, Stop: 19078, Start Num: 39

Candidate Starts for Iridoclysis_25:

(25, 18590), (Start: 39 @18656 has 222 MA's), (73, 18779), (74, 18785), (75, 18791), (88, 18854), (95, 18896), (114, 18974), (123, 19022), (128, 19046), (132, 19064), (133, 19070),

Gene: IsaacEli_25 Start: 18686, Stop: 19108, Start Num: 39

Candidate Starts for IsaacEli_25:

(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95, 18926), (105, 18977), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: JAMaL_23 Start: 19500, Stop: 19913, Start Num: 44

Candidate Starts for JAMaL_23:

(Start: 44 @19500 has 33 MA's), (56, 19539), (75, 19626), (88, 19689), (91, 19701), (95, 19731), (133, 19905),

Gene: JDog_24 Start: 18392, Stop: 18814, Start Num: 38

Candidate Starts for JDog_24:

(Start: 38 @18392 has 70 MA's), (73, 18515), (74, 18521), (75, 18527), (88, 18590), (95, 18632), (114, 18710), (123, 18758), (128, 18782), (132, 18800), (133, 18806),

Gene: JKSyngboy_27 Start: 22410, Stop: 22844, Start Num: 50
Candidate Starts for JKSyngboy_27:
(Start: 50 @22410 has 48 MA's), (68, 22464), (72, 22494), (76, 22524), (86, 22569), (101, 22671),
(107, 22692), (124, 22764), (136, 22815),

Gene: Jabberwocky_28 Start: 23780, Stop: 24214, Start Num: 54
Candidate Starts for Jabberwocky_28:
(Start: 44 @23750 has 33 MA's), (Start: 54 @23780 has 107 MA's), (72, 23864), (86, 23939), (90,
23963), (101, 24041), (107, 24062), (124, 24134), (136, 24185),

Gene: JacAttac_25 Start: 18668, Stop: 19090, Start Num: 39
Candidate Starts for JacAttac_25:
(25, 18602), (Start: 39 @18668 has 222 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95,
18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: JaguarMi_23 Start: 18798, Stop: 19211, Start Num: 44
Candidate Starts for JaguarMi_23:
(Start: 44 @18798 has 33 MA's), (73, 18912), (74, 18918), (75, 18924), (82, 18960), (91, 18999), (94,
19011), (95, 19029), (114, 19107), (127, 19176), (128, 19179), (133, 19203),

Gene: JakeO_24 Start: 18392, Stop: 18814, Start Num: 38
Candidate Starts for JakeO_24:
(Start: 38 @18392 has 70 MA's), (73, 18515), (74, 18521), (75, 18527), (88, 18590), (95, 18632), (114,
18710), (123, 18758), (128, 18782), (132, 18800), (133, 18806),

Gene: Jambalaya_26 Start: 17351, Stop: 17794, Start Num: 54
Candidate Starts for Jambalaya_26:
(Start: 54 @17351 has 107 MA's), (101, 17612), (136, 17768),

Gene: JangoPhett_25 Start: 18666, Stop: 19088, Start Num: 39
Candidate Starts for JangoPhett_25:
(25, 18600), (Start: 39 @18666 has 222 MA's), (73, 18789), (74, 18795), (75, 18801), (88, 18864), (95,
18906), (114, 18984), (123, 19032), (128, 19056), (132, 19074), (133, 19080),

Gene: Jehoshaphat_35 Start: 22869, Stop: 23273, Start Num: 50
Candidate Starts for Jehoshaphat_35:
(30, 22812), (Start: 50 @22869 has 48 MA's), (59, 22905), (93, 23079), (95, 23100), (101, 23145),
(104, 23154), (131, 23259), (133, 23268),

Gene: JellyBelly_22 Start: 17123, Stop: 17536, Start Num: 41
Candidate Starts for JellyBelly_22:
(21, 17024), (Start: 34 @17102 has 1 MA's), (Start: 41 @17123 has 23 MA's), (55, 17165), (66, 17204),
(74, 17249), (75, 17255), (85, 17303), (95, 17363),

Gene: Jeon_19 Start: 18215, Stop: 18625, Start Num: 45
Candidate Starts for Jeon_19:
(Start: 45 @18215 has 58 MA's), (66, 18290), (74, 18335), (75, 18341), (83, 18383), (88, 18407), (93,
18428), (113, 18530), (123, 18575),

Gene: Jesabah_25 Start: 18394, Stop: 18816, Start Num: 39
Candidate Starts for Jesabah_25:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: Jillium_24 Start: 18392, Stop: 18814, Start Num: 39

Candidate Starts for Jillium_24:

(25, 18326), (Start: 39 @18392 has 222 MA's), (73, 18515), (74, 18521), (75, 18527), (88, 18590), (95, 18632), (114, 18710), (123, 18758), (128, 18782), (132, 18800), (133, 18806),

Gene: Jiminy_24 Start: 18230, Stop: 18652, Start Num: 38

Candidate Starts for Jiminy_24:

(Start: 38 @18230 has 70 MA's), (73, 18353), (74, 18359), (75, 18365), (88, 18428), (95, 18470), (114, 18548), (123, 18596), (128, 18620), (132, 18638), (133, 18644),

Gene: Jiraiya_24 Start: 18390, Stop: 18812, Start Num: 39

Candidate Starts for Jiraiya_24:

(25, 18324), (Start: 39 @18390 has 222 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: JohnPork_26 Start: 17599, Stop: 18042, Start Num: 54

Candidate Starts for JohnPork_26:

(Start: 54 @17599 has 107 MA's), (101, 17860), (136, 18016),

Gene: Jolie1_021 Start: 17832, Stop: 18245, Start Num: 38

Candidate Starts for Jolie1_021:

(Start: 38 @17832 has 70 MA's), (82, 18000), (84, 18009), (88, 18027), (113, 18144),

Gene: JoyceMaria_23 Start: 19337, Stop: 19750, Start Num: 44

Candidate Starts for JoyceMaria_23:

(Start: 44 @19337 has 33 MA's), (73, 19451), (74, 19457), (75, 19463), (82, 19499), (91, 19538), (94, 19550), (95, 19568), (114, 19646), (127, 19715), (128, 19718), (133, 19742),

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

Candidate Starts for Judebell_35:

(Start: 50 @22375 has 48 MA's), (53, 22387), (93, 22585), (95, 22606), (101, 22651), (104, 22660), (131, 22765), (133, 22774),

Gene: KLucky39_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for KLucky39_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: Kahve_24 Start: 18396, Stop: 18818, Start Num: 39

Candidate Starts for Kahve_24:

(25, 18330), (Start: 39 @18396 has 222 MA's), (73, 18519), (74, 18525), (75, 18531), (88, 18594), (95, 18636), (105, 18687), (114, 18714), (123, 18762), (128, 18786), (132, 18804), (133, 18810),

Gene: Kailash_25 Start: 18704, Stop: 19126, Start Num: 38

Candidate Starts for Kailash_25:

(Start: 38 @18704 has 70 MA's), (64, 18776), (73, 18827), (74, 18833), (75, 18839), (88, 18902), (95, 18944), (114, 19022), (123, 19070), (128, 19094), (132, 19112), (133, 19118),

Gene: Kamashten_29 Start: 23229, Stop: 23663, Start Num: 54

Candidate Starts for Kamashten_29:

(Start: 44 @23199 has 33 MA's), (Start: 54 @23229 has 107 MA's), (72, 23313), (86, 23388), (90, 23412), (101, 23490), (107, 23511), (124, 23583), (136, 23634),

Gene: Kamiyu_26 Start: 19332, Stop: 19745, Start Num: 45

Candidate Starts for Kamiyu_26:

(Start: 45 @19332 has 58 MA's), (66, 19407), (74, 19452), (75, 19458), (97, 19590), (127, 19716),

Gene: KarasumaRum_27 Start: 19514, Stop: 19930, Start Num: 43

Candidate Starts for KarasumaRum_27:

(Start: 43 @19514 has 20 MA's), (88, 19706), (105, 19799), (134, 19925),

Gene: Karn_24 Start: 18390, Stop: 18812, Start Num: 38

Candidate Starts for Karn_24:

(Start: 38 @18390 has 70 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: Katniss_25 Start: 18694, Stop: 19116, Start Num: 39

Candidate Starts for Katniss_25:

(25, 18628), (Start: 39 @18694 has 222 MA's), (73, 18817), (74, 18823), (75, 18829), (88, 18892), (95, 18934), (114, 19012), (123, 19060), (128, 19084), (132, 19102), (133, 19108),

Gene: KayaCho_21 Start: 17836, Stop: 18249, Start Num: 38

Candidate Starts for KayaCho_21:

(Start: 38 @17836 has 70 MA's), (75, 17968), (82, 18004), (88, 18031), (95, 18073), (113, 18148), (114, 18151),

Gene: Keitabear_30 Start: 24585, Stop: 25019, Start Num: 54

Candidate Starts for Keitabear_30:

(Start: 44 @24555 has 33 MA's), (Start: 54 @24585 has 107 MA's), (72, 24669), (86, 24744), (90, 24768), (101, 24846), (107, 24867), (124, 24939), (136, 24990),

Gene: Keitherie_25 Start: 18714, Stop: 19136, Start Num: 38

Candidate Starts for Keitherie_25:

(Start: 38 @18714 has 70 MA's), (64, 18786), (73, 18837), (74, 18843), (75, 18849), (88, 18912), (95, 18954), (114, 19032), (123, 19080), (128, 19104), (132, 19122), (133, 19128),

Gene: Kelcole_31 Start: 20979, Stop: 21374, Start Num: 49

Candidate Starts for Kelcole_31:

(Start: 49 @20979 has 12 MA's), (61, 21021), (65, 21030), (82, 21138), (100, 21252), (110, 21279), (130, 21366),

Gene: Kewpiedoll_29 Start: 22426, Stop: 22860, Start Num: 54

Candidate Starts for Kewpiedoll_29:

(Start: 44 @22396 has 33 MA's), (Start: 54 @22426 has 107 MA's), (72, 22510), (86, 22585), (90, 22609), (101, 22687), (107, 22708), (124, 22780), (136, 22831),

Gene: Khan1_25 Start: 18410, Stop: 18832, Start Num: 38

Candidate Starts for Khan1_25:

(Start: 38 @18410 has 70 MA's), (64, 18482), (73, 18533), (74, 18539), (75, 18545), (88, 18608), (95, 18650), (114, 18728), (123, 18776), (128, 18800), (132, 18818), (133, 18824),

Gene: Kikipoo_25 Start: 18686, Stop: 19108, Start Num: 39

Candidate Starts for Kikipoo_25:

(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95, 18926), (105, 18977), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: KillerQueen_33 Start: 20774, Stop: 21169, Start Num: 49

Candidate Starts for KillerQueen_33:

(Start: 49 @20774 has 12 MA's), (65, 20825), (82, 20933), (95, 21008), (110, 21074), (130, 21161),

Gene: Kimbrough_25 Start: 18388, Stop: 18810, Start Num: 39

Candidate Starts for Kimbrough_25:

(25, 18322), (Start: 39 @18388 has 222 MA's), (73, 18511), (74, 18517), (75, 18523), (88, 18586), (95, 18628), (114, 18706), (123, 18754), (128, 18778), (132, 18796), (133, 18802),

Gene: KimmyK_28 Start: 18286, Stop: 18729, Start Num: 54

Candidate Starts for KimmyK_28:

(Start: 54 @18286 has 107 MA's), (101, 18547), (136, 18703),

Gene: KingVeVeVe_25 Start: 18665, Stop: 19087, Start Num: 39

Candidate Starts for KingVeVeVe_25:

(25, 18599), (Start: 39 @18665 has 222 MA's), (73, 18788), (74, 18794), (75, 18800), (88, 18863), (95, 18905), (114, 18983), (123, 19031), (128, 19055), (132, 19073), (133, 19079),

Gene: Kithara_33 Start: 23575, Stop: 23991, Start Num: 45

Candidate Starts for Kithara_33:

(Start: 45 @23575 has 58 MA's), (65, 23635), (67, 23656), (111, 23896), (121, 23938),

Gene: KlimbOn_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for KlimbOn_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: Kloppinator_25 Start: 18694, Stop: 19116, Start Num: 39

Candidate Starts for Kloppinator_25:

(25, 18628), (Start: 39 @18694 has 222 MA's), (73, 18817), (74, 18823), (75, 18829), (88, 18892), (95, 18934), (114, 19012), (123, 19060), (128, 19084), (132, 19102), (133, 19108),

Gene: Knocker_27 Start: 21795, Stop: 22214, Start Num: 43

Candidate Starts for Knocker_27:

(Start: 43 @21795 has 20 MA's), (75, 21924), (82, 21960), (94, 22011), (95, 22029), (105, 22080), (114, 22107), (118, 22122), (128, 22179), (132, 22197), (133, 22203),

Gene: Kronus_25 Start: 19946, Stop: 20359, Start Num: 45

Candidate Starts for Kronus_25:

(Start: 45 @19946 has 58 MA's), (74, 20066), (75, 20072), (85, 20120), (97, 20204), (127, 20330),

Gene: Kroos_30 Start: 22606, Stop: 23040, Start Num: 54

Candidate Starts for Kroos_30:

(52, 22597), (Start: 54 @22606 has 107 MA's), (72, 22690), (86, 22765), (101, 22867), (107, 22888), (122, 22945), (124, 22960), (136, 23011),

Gene: Kwadwo_24 Start: 18378, Stop: 18800, Start Num: 39

Candidate Starts for Kwadwo_24:

(25, 18312), (Start: 39 @18378 has 222 MA's), (73, 18501), (74, 18507), (75, 18513), (88, 18576), (95, 18618), (114, 18696), (123, 18744), (128, 18768), (132, 18786), (133, 18792),

Gene: Kwekel_27 Start: 19551, Stop: 19982, Start Num: 54

Candidate Starts for Kwekel_27:

(Start: 54 @19551 has 107 MA's), (72, 19635), (86, 19710), (89, 19731), (106, 19830), (112, 19845), (124, 19905), (135, 19953), (136, 19956), (137, 19965),

Gene: Kwksand96_24 Start: 18240, Stop: 18662, Start Num: 38

Candidate Starts for Kwksand96_24:

(Start: 38 @18240 has 70 MA's), (73, 18363), (74, 18369), (75, 18375), (88, 18438), (95, 18480), (114, 18558), (123, 18606), (128, 18630), (132, 18648), (133, 18654),

Gene: Kwobi_31 Start: 22592, Stop: 23026, Start Num: 54

Candidate Starts for Kwobi_31:

(52, 22583), (Start: 54 @22592 has 107 MA's), (72, 22676), (86, 22751), (101, 22853), (107, 22874), (122, 22931), (124, 22946), (136, 22997),

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

Candidate Starts for Kyva_35:

(30, 22542), (Start: 50 @22599 has 48 MA's), (82, 22758), (99, 22875), (104, 22890),

Gene: Labeouficaum_24 Start: 18236, Stop: 18658, Start Num: 38

Candidate Starts for Labeouficaum_24:

(Start: 38 @18236 has 70 MA's), (73, 18359), (74, 18365), (75, 18371), (88, 18434), (95, 18476), (114, 18554), (123, 18602), (128, 18626), (132, 18644), (133, 18650),

Gene: Lambano_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for Lambano_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Larson_26 Start: 18712, Stop: 19134, Start Num: 38

Candidate Starts for Larson_26:

(Start: 38 @18712 has 70 MA's), (64, 18784), (73, 18835), (74, 18841), (75, 18847), (88, 18910), (95, 18952), (114, 19030), (123, 19078), (128, 19102), (132, 19120), (133, 19126),

Gene: LasagnaCat_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for LasagnaCat_25:

(22, 18590), (25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Lasso_25 Start: 18653, Stop: 19075, Start Num: 39

Candidate Starts for Lasso_25:

(25, 18587), (Start: 39 @18653 has 222 MA's), (73, 18776), (74, 18782), (75, 18788), (88, 18851), (95, 18893), (105, 18944), (114, 18971), (123, 19019), (128, 19043), (132, 19061), (133, 19067),

Gene: LeeLot_25 Start: 18678, Stop: 19100, Start Num: 39

Candidate Starts for LeeLot_25:

(25, 18612), (Start: 39 @18678 has 222 MA's), (73, 18801), (74, 18807), (75, 18813), (88, 18876), (95, 18918), (114, 18996), (123, 19044), (128, 19068), (132, 19086), (133, 19092),

Gene: Lego3393_25 Start: 18690, Stop: 19112, Start Num: 39

Candidate Starts for Lego3393_25:

(25, 18624), (Start: 39 @18690 has 222 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95, 18930), (114, 19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),

Gene: Legolas_24 Start: 18394, Stop: 18816, Start Num: 39

Candidate Starts for Legolas_24:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: Lehmann_25 Start: 18220, Stop: 18642, Start Num: 39

Candidate Starts for Lehmann_25:

(25, 18154), (Start: 39 @18220 has 222 MA's), (73, 18343), (74, 18349), (75, 18355), (88, 18418), (95, 18460), (114, 18538), (123, 18586), (128, 18610), (132, 18628), (133, 18634),

Gene: LeiMonet_25 Start: 18385, Stop: 18807, Start Num: 39

Candidate Starts for LeiMonet_25:

(25, 18319), (Start: 39 @18385 has 222 MA's), (73, 18508), (74, 18514), (75, 18520), (88, 18583), (95, 18625), (105, 18676), (114, 18703), (123, 18751), (128, 18775), (132, 18793), (133, 18799),

Gene: LemonSlice_25 Start: 18385, Stop: 18807, Start Num: 39

Candidate Starts for LemonSlice_25:

(25, 18319), (Start: 39 @18385 has 222 MA's), (73, 18508), (74, 18514), (75, 18520), (88, 18583), (95, 18625), (114, 18703), (123, 18751), (128, 18775), (132, 18793), (133, 18799),

Gene: Lennon_30 Start: 24387, Stop: 24821, Start Num: 54

Candidate Starts for Lennon_30:

(Start: 44 @24357 has 33 MA's), (Start: 54 @24387 has 107 MA's), (72, 24471), (86, 24546), (101, 24648), (107, 24669), (124, 24741), (136, 24792),

Gene: Leonard_28 Start: 21406, Stop: 21837, Start Num: 54

Candidate Starts for Leonard_28:

(12, 21178), (14, 21214), (47, 21379), (48, 21382), (Start: 54 @21406 has 107 MA's), (72, 21490), (89, 21586), (101, 21667), (102, 21673), (106, 21685), (122, 21745), (127, 21769), (135, 21808), (136, 21811),

Gene: LestyG_26 Start: 19367, Stop: 19780, Start Num: 45

Candidate Starts for LestyG_26:

(Start: 45 @19367 has 58 MA's), (66, 19442), (74, 19487), (75, 19493), (97, 19625), (127, 19751),

Gene: Ligma_22 Start: 17225, Stop: 17635, Start Num: 41

Candidate Starts for Ligma_22:

(Start: 41 @17225 has 23 MA's), (66, 17306), (73, 17345), (75, 17357), (83, 17399), (85, 17405), (88, 17423), (103, 17513),

Gene: LilHam_27 Start: 21186, Stop: 21620, Start Num: 54

Candidate Starts for LilHam_27:

(52, 21177), (Start: 54 @21186 has 107 MA's), (72, 21270), (86, 21345), (101, 21447), (107, 21468), (122, 21525), (124, 21540), (136, 21591),

Gene: LilMcDreamy_22 Start: 19306, Stop: 19722, Start Num: 43

Candidate Starts for LilMcDreamy_22:

(Start: 43 @19306 has 20 MA's), (67, 19393), (74, 19429), (75, 19435), (98, 19570), (114, 19618),

Gene: LittleDigger_22 Start: 18311, Stop: 18724, Start Num: 44

Candidate Starts for LittleDigger_22:

(Start: 44 @18311 has 33 MA's), (73, 18425), (74, 18431), (75, 18437), (82, 18473), (91, 18512), (94, 18524), (95, 18542), (114, 18620), (127, 18689), (133, 18716),

Gene: LittleMinkey_30 Start: 19265, Stop: 19681, Start Num: 43

Candidate Starts for LittleMinkey_30:

(Start: 43 @19265 has 20 MA's), (78, 19418), (79, 19421), (114, 19577), (118, 19592), (133, 19673),

Gene: LittleMunchkin_24 Start: 20052, Stop: 20465, Start Num: 41

Candidate Starts for LittleMunchkin_24:

(Start: 41 @20052 has 23 MA's), (64, 20121), (66, 20133), (75, 20184), (85, 20232), (114, 20370), (127, 20439),

Gene: Llemily_32 Start: 21645, Stop: 22049, Start Num: 50

Candidate Starts for Llemily_32:

(30, 21588), (Start: 50 @21645 has 48 MA's), (59, 21681), (93, 21855), (95, 21876), (101, 21921), (104, 21930), (131, 22035), (133, 22044),

Gene: Lolalove_23 Start: 19333, Stop: 19746, Start Num: 44

Candidate Starts for Lolalove_23:

(Start: 44 @19333 has 33 MA's), (73, 19447), (74, 19453), (75, 19459), (82, 19495), (91, 19534), (94, 19546), (95, 19564), (114, 19642), (123, 19690), (127, 19711), (128, 19714), (133, 19738),

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

Candidate Starts for Lonelysoil_32:

(30, 21833), (Start: 50 @21890 has 48 MA's), (59, 21926), (93, 22100), (95, 22121), (101, 22166), (104, 22175), (131, 22280), (133, 22289),

Gene: Longacauda_24 Start: 18380, Stop: 18802, Start Num: 38

Candidate Starts for Longacauda_24:

(Start: 38 @18380 has 70 MA's), (73, 18503), (74, 18509), (75, 18515), (88, 18578), (95, 18620), (114, 18698), (123, 18746), (128, 18770), (132, 18788), (133, 18794),

Gene: Lopsy_24 Start: 18236, Stop: 18658, Start Num: 39

Candidate Starts for Lopsy_24:

(25, 18170), (Start: 39 @18236 has 222 MA's), (73, 18359), (74, 18365), (75, 18371), (88, 18434), (95, 18476), (114, 18554), (123, 18602), (128, 18626), (132, 18644), (133, 18650),

Gene: LostAndPhound_24 Start: 18387, Stop: 18809, Start Num: 39

Candidate Starts for LostAndPhound_24:

(25, 18321), (Start: 39 @18387 has 222 MA's), (73, 18510), (74, 18516), (75, 18522), (88, 18585), (95, 18627), (105, 18678), (114, 18705), (123, 18753), (128, 18777), (132, 18795), (133, 18801),

Gene: Love_33 Start: 24151, Stop: 24585, Start Num: 54

Candidate Starts for Love_33:

(Start: 44 @24121 has 33 MA's), (Start: 54 @24151 has 107 MA's), (72, 24235), (86, 24310), (90, 24334), (101, 24412), (124, 24505), (136, 24556),

Gene: LuckyMarjie_24 Start: 18400, Stop: 18822, Start Num: 39

Candidate Starts for LuckyMarjie_24:

(25, 18334), (Start: 39 @18400 has 222 MA's), (73, 18523), (74, 18529), (75, 18535), (88, 18598), (95, 18640), (114, 18718), (123, 18766), (128, 18790), (132, 18808), (133, 18814),

Gene: Lulumae_24 Start: 18378, Stop: 18800, Start Num: 39

Candidate Starts for Lulumae_24:

(25, 18312), (Start: 39 @18378 has 222 MA's), (73, 18501), (74, 18507), (75, 18513), (88, 18576), (95, 18618), (114, 18696), (123, 18744), (128, 18768), (132, 18786), (133, 18792),

Gene: Lulwa_25 Start: 18665, Stop: 19087, Start Num: 39

Candidate Starts for Lulwa_25:

(25, 18599), (Start: 39 @18665 has 222 MA's), (73, 18788), (74, 18794), (75, 18800), (88, 18863), (95, 18905), (114, 18983), (123, 19031), (128, 19055), (132, 19073), (133, 19079),

Gene: Lumine_24 Start: 18374, Stop: 18796, Start Num: 39

Candidate Starts for Lumine_24:

(25, 18308), (Start: 39 @18374 has 222 MA's), (73, 18497), (74, 18503), (75, 18509), (88, 18572), (95, 18614), (114, 18692), (123, 18740), (128, 18764), (132, 18782), (133, 18788),

Gene: MRabcd_24 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for MRabcd_24:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (105, 18670), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: Mag7_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for Mag7_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: Magic8_25 Start: 18692, Stop: 19114, Start Num: 38

Candidate Starts for Magic8_25:

(Start: 38 @18692 has 70 MA's), (64, 18764), (73, 18815), (74, 18821), (75, 18827), (88, 18890), (95, 18932), (114, 19010), (123, 19058), (128, 19082), (132, 19100), (133, 19106),

Gene: Magpie_22 Start: 19156, Stop: 19569, Start Num: 44

Candidate Starts for Magpie_22:

(Start: 44 @19156 has 33 MA's), (73, 19270), (74, 19276), (75, 19282), (82, 19318), (91, 19357), (94, 19369), (95, 19387), (114, 19465), (127, 19534), (128, 19537), (133, 19561),

Gene: MakoManhole_24 Start: 18622, Stop: 19032, Start Num: 41

Candidate Starts for MakoManhole_24:

(Start: 41 @18622 has 23 MA's), (80, 18784), (83, 18796), (95, 18862), (97, 18886), (109, 18925), (114, 18940),

Gene: Mana_24 Start: 18381, Stop: 18803, Start Num: 39

Candidate Starts for Mana_24:

(25, 18315), (Start: 39 @18381 has 222 MA's), (73, 18504), (74, 18510), (75, 18516), (88, 18579), (95, 18621), (105, 18672), (114, 18699), (123, 18747), (128, 18771), (132, 18789), (133, 18795),

Gene: Manad_24 Start: 18231, Stop: 18653, Start Num: 39

Candidate Starts for Manad_24:

(25, 18165), (Start: 39 @18231 has 222 MA's), (73, 18354), (74, 18360), (75, 18366), (88, 18429), (95, 18471), (114, 18549), (123, 18597), (128, 18621), (132, 18639), (133, 18645),

Gene: Mao1_21 Start: 16621, Stop: 17025, Start Num: 44

Candidate Starts for Mao1_21:

(Start: 44 @16621 has 33 MA's), (66, 16699), (74, 16744), (75, 16750), (84, 16795), (88, 16816), (95, 16858), (97, 16882), (105, 16909), (109, 16921), (125, 16999),

Gene: Marcie_37 Start: 21635, Stop: 22030, Start Num: 49

Candidate Starts for Marcie_37:

(Start: 49 @21635 has 12 MA's), (61, 21677), (92, 21845), (110, 21935), (130, 22022),

Gene: Mariokart_22 Start: 17119, Stop: 17532, Start Num: 41

Candidate Starts for Mariokart_22:

(1, 16399), (2, 16444), (3, 16510), (4, 16582), (5, 16648), (21, 17020), (Start: 34 @17098 has 1 MA's), (Start: 41 @17119 has 23 MA's), (66, 17200), (67, 17209), (74, 17245), (75, 17251), (85, 17299), (95, 17359),

Gene: Marley1013_26 Start: 20148, Stop: 20561, Start Num: 45

Candidate Starts for Marley1013_26:

(Start: 45 @20148 has 58 MA's), (74, 20268), (75, 20274), (85, 20322), (97, 20406), (127, 20532),

Gene: Marlia_26 Start: 19347, Stop: 19760, Start Num: 45

Candidate Starts for Marlia_26:

(Start: 45 @19347 has 58 MA's), (66, 19422), (74, 19467), (75, 19473), (85, 19521), (97, 19605), (127, 19731),

Gene: Maru_24 Start: 18380, Stop: 18802, Start Num: 39

Candidate Starts for Maru_24:

(25, 18314), (Start: 39 @18380 has 222 MA's), (73, 18503), (74, 18509), (75, 18515), (88, 18578), (95, 18620), (114, 18698), (123, 18746), (128, 18770), (132, 18788), (133, 18794),

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

Candidate Starts for Mashley_31:

(30, 22105), (Start: 50 @22162 has 48 MA's), (67, 22234), (82, 22321), (99, 22438), (104, 22453),

Gene: Mask_22 Start: 16622, Stop: 17026, Start Num: 44

Candidate Starts for Mask_22:

(Start: 44 @16622 has 33 MA's), (66, 16700), (74, 16745), (75, 16751), (84, 16796), (88, 16817), (95, 16859), (97, 16883), (105, 16910), (109, 16922), (125, 17000),

Gene: Maskar_24 Start: 18226, Stop: 18648, Start Num: 38

Candidate Starts for Maskar_24:

(Start: 38 @18226 has 70 MA's), (73, 18349), (74, 18355), (75, 18361), (88, 18424), (95, 18466), (114, 18544), (123, 18592), (128, 18616), (132, 18634), (133, 18640),

Gene: Matalotodo_25 Start: 18673, Stop: 19095, Start Num: 39

Candidate Starts for Matalotodo_25:

(25, 18607), (Start: 39 @18673 has 222 MA's), (73, 18796), (74, 18802), (75, 18808), (88, 18871), (95, 18913), (114, 18991), (123, 19039), (128, 19063), (132, 19081), (133, 19087),

Gene: McCrothy_30 Start: 23959, Stop: 24393, Start Num: 54

Candidate Starts for McCrothy_30:

(Start: 44 @23920 has 33 MA's), (Start: 54 @23959 has 107 MA's), (72, 24043), (101, 24220), (107, 24241), (124, 24313), (136, 24364),

Gene: McKinley_32 Start: 24183, Stop: 24617, Start Num: 54

Candidate Starts for McKinley_32:

(Start: 44 @24153 has 33 MA's), (Start: 54 @24183 has 107 MA's), (72, 24267), (86, 24342), (90, 24366), (101, 24444), (124, 24537), (136, 24588),

Gene: Mcshane_24 Start: 18376, Stop: 18798, Start Num: 39

Candidate Starts for Mcshane_24:

(25, 18310), (Start: 39 @18376 has 222 MA's), (73, 18499), (74, 18505), (75, 18511), (88, 18574), (95, 18616), (114, 18694), (123, 18742), (128, 18766), (132, 18784), (133, 18790),

Gene: Mecca_24 Start: 18373, Stop: 18795, Start Num: 39

Candidate Starts for Mecca_24:

(25, 18307), (Start: 39 @18373 has 222 MA's), (73, 18496), (74, 18502), (75, 18508), (88, 18571), (95, 18613), (114, 18691), (123, 18739), (128, 18763), (132, 18781), (133, 18787),

Gene: Megabear_19 Start: 18137, Stop: 18547, Start Num: 45

Candidate Starts for Megabear_19:

(Start: 45 @18137 has 58 MA's), (66, 18212), (74, 18257), (75, 18263), (83, 18305), (88, 18329), (93, 18350), (113, 18452), (123, 18497),

Gene: Megamind20_25 Start: 18394, Stop: 18816, Start Num: 39

Candidate Starts for Megamind20_25:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: Megatron_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Megatron_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (105, 18968), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: MelBins_29 Start: 21614, Stop: 22045, Start Num: 54

Candidate Starts for MelBins_29:

(14, 21422), (47, 21587), (Start: 54 @21614 has 107 MA's), (72, 21698), (89, 21794), (101, 21875), (102, 21881), (106, 21893), (122, 21953), (127, 21977), (135, 22016), (136, 22019),

Gene: Melc17_25 Start: 18668, Stop: 19090, Start Num: 38

Candidate Starts for Melc17_25:

(Start: 38 @18668 has 70 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95, 18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: MelsMeow_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for MelsMeow_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: Mentos_38 Start: 23249, Stop: 23662, Start Num: 50

Candidate Starts for Mentos_38:

(30, 23192), (Start: 50 @23249 has 48 MA's), (82, 23408), (99, 23525), (104, 23540),

Gene: Mesh1_25 Start: 18685, Stop: 19107, Start Num: 39

Candidate Starts for Mesh1_25:

(25, 18619), (Start: 39 @18685 has 222 MA's), (73, 18808), (74, 18814), (75, 18820), (88, 18883), (95, 18925), (114, 19003), (123, 19051), (128, 19075), (132, 19093), (133, 19099),

Gene: Mesmerelda_24 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for Mesmerelda_24:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: MichaelPhcott_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for MichaelPhcott_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: Mikota_25 Start: 18661, Stop: 19083, Start Num: 39

Candidate Starts for Mikota_25:

(25, 18595), (Start: 39 @18661 has 222 MA's), (73, 18784), (74, 18790), (75, 18796), (88, 18859), (95, 18901), (114, 18979), (123, 19027), (128, 19051), (132, 19069), (133, 19075),

Gene: Mila11_36 Start: 23134, Stop: 23547, Start Num: 50

Candidate Starts for Mila11_36:

(30, 23077), (Start: 50 @23134 has 48 MA's), (82, 23293), (99, 23410), (104, 23425),

Gene: MiniBoss_25 Start: 18664, Stop: 19086, Start Num: 39

Candidate Starts for MiniBoss_25:

(25, 18598), (Start: 39 @18664 has 222 MA's), (73, 18787), (74, 18793), (75, 18799), (88, 18862), (95, 18904), (114, 18982), (123, 19030), (128, 19054), (132, 19072), (133, 19078),

Gene: MitKao_25 Start: 18382, Stop: 18804, Start Num: 39

Candidate Starts for MitKao_25:

(25, 18316), (Start: 39 @18382 has 222 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: Mithril_23 Start: 19337, Stop: 19750, Start Num: 44

Candidate Starts for Mithril_23:

(Start: 44 @19337 has 33 MA's), (73, 19451), (74, 19457), (75, 19463), (82, 19499), (91, 19538), (94, 19550), (95, 19568), (114, 19646), (127, 19715), (128, 19718), (133, 19742),

Gene: MmasiCarm_26 Start: 19358, Stop: 19771, Start Num: 45

Candidate Starts for MmasiCarm_26:

(Start: 45 @19358 has 58 MA's), (74, 19478), (75, 19484), (85, 19532), (97, 19616), (127, 19742),

Gene: MoontowerMania_29 Start: 22994, Stop: 23428, Start Num: 54

Candidate Starts for MoontowerMania_29:

(18, 22829), (Start: 44 @22964 has 33 MA's), (Start: 54 @22994 has 107 MA's), (72, 23078), (86, 23153), (101, 23255), (107, 23276), (124, 23348), (136, 23399),

Gene: Morgushi_25 Start: 18387, Stop: 18809, Start Num: 39

Candidate Starts for Morgushi_25:

(25, 18321), (Start: 39 @18387 has 222 MA's), (73, 18510), (74, 18516), (75, 18522), (88, 18585), (95, 18627), (114, 18705), (123, 18753), (128, 18777), (132, 18795), (133, 18801),

Gene: MorillMayhem_33 Start: 22160, Stop: 22564, Start Num: 50

Candidate Starts for MorillMayhem_33:

(30, 22103), (Start: 50 @22160 has 48 MA's), (59, 22196), (93, 22370), (95, 22391), (101, 22436), (104, 22445), (131, 22550), (133, 22559),

Gene: Mortcellus_25 Start: 20001, Stop: 20414, Start Num: 45

Candidate Starts for Mortcellus_25:

(Start: 45 @20001 has 58 MA's), (74, 20121), (75, 20127), (85, 20175), (97, 20259), (127, 20385),

Gene: Morty_25 Start: 18686, Stop: 19108, Start Num: 39

Candidate Starts for Morty_25:

(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95, 18926), (105, 18977), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: Morty007_26 Start: 20148, Stop: 20561, Start Num: 45

Candidate Starts for Morty007_26:

(Start: 45 @20148 has 58 MA's), (74, 20268), (75, 20274), (85, 20322), (97, 20406), (127, 20532),

Gene: Mosaic_24 Start: 18388, Stop: 18810, Start Num: 39

Candidate Starts for Mosaic_24:

(25, 18322), (Start: 39 @18388 has 222 MA's), (73, 18511), (74, 18517), (75, 18523), (88, 18586), (95, 18628), (114, 18706), (123, 18754), (128, 18778), (132, 18796), (133, 18802),

Gene: MossRose_24 Start: 18601, Stop: 19011, Start Num: 41

Candidate Starts for MossRose_24:

(Start: 41 @18601 has 23 MA's), (80, 18763), (83, 18775), (95, 18841), (97, 18865), (109, 18904), (114, 18919), (128, 18991),

Gene: MrPhizzler_25 Start: 18387, Stop: 18809, Start Num: 38

Candidate Starts for MrPhizzler_25:

(Start: 38 @18387 has 70 MA's), (73, 18510), (74, 18516), (75, 18522), (88, 18585), (95, 18627), (114, 18705), (123, 18753), (128, 18777), (132, 18795), (133, 18801),

Gene: Mudslide_23 Start: 19584, Stop: 19997, Start Num: 44

Candidate Starts for Mudslide_23:

(Start: 44 @19584 has 33 MA's), (73, 19698), (74, 19704), (75, 19710), (82, 19746), (91, 19785), (94, 19797), (95, 19815), (114, 19893), (118, 19908), (127, 19962), (128, 19965), (133, 19989),

Gene: Mulan_24 Start: 18382, Stop: 18804, Start Num: 39

Candidate Starts for Mulan_24:

(25, 18316), (Start: 39 @18382 has 222 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: Mulaychimus_26 Start: 19340, Stop: 19753, Start Num: 45

Candidate Starts for Mulaychimus_26:

(Start: 45 @19340 has 58 MA's), (74, 19460), (75, 19466), (85, 19514), (97, 19598), (127, 19724),

Gene: Murdoc_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for Murdoc_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Mutante_24 Start: 18385, Stop: 18807, Start Num: 39

Candidate Starts for Mutante_24:

(25, 18319), (Start: 39 @18385 has 222 MA's), (73, 18508), (74, 18514), (75, 18520), (88, 18583), (95, 18625), (114, 18703), (123, 18751), (128, 18775), (132, 18793), (133, 18799),

Gene: Mutzi_28 Start: 18027, Stop: 18470, Start Num: 54

Candidate Starts for Mutzi_28:

(12, 17811), (Start: 54 @18027 has 107 MA's), (136, 18444),

Gene: Mysterious_25 Start: 19640, Stop: 20056, Start Num: 43

Candidate Starts for Mysterious_25:

(Start: 43 @19640 has 20 MA's), (60, 19700), (74, 19763), (75, 19769), (95, 19874), (98, 19904), (114, 19952),

Gene: Nacho_0025 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for Nacho_0025:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

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

Candidate Starts for Namago_33:

(30, 21672), (Start: 50 @21729 has 48 MA's), (82, 21888), (99, 22005), (104, 22020),

Gene: Nanao_22 Start: 18303, Stop: 18716, Start Num: 44

Candidate Starts for Nanao_22:

(Start: 44 @18303 has 33 MA's), (73, 18417), (74, 18423), (75, 18429), (82, 18465), (88, 18492), (91, 18504), (94, 18516), (95, 18534), (114, 18612), (127, 18681), (133, 18708),

Gene: Nangang_25 Start: 19342, Stop: 19758, Start Num: 43

Candidate Starts for Nangang_25:

(Start: 43 @19342 has 20 MA's), (88, 19534), (95, 19576), (105, 19627), (134, 19753),

Gene: Nathan_25 Start: 18704, Stop: 19126, Start Num: 38

Candidate Starts for Nathan_25:

(Start: 38 @18704 has 70 MA's), (64, 18776), (73, 18827), (74, 18833), (75, 18839), (88, 18902), (95, 18944), (114, 19022), (123, 19070), (128, 19094), (132, 19112), (133, 19118),

Gene: Natkenzie_30 Start: 22964, Stop: 23395, Start Num: 54

Candidate Starts for Natkenzie_30:

(Start: 34 @22904 has 1 MA's), (47, 22937), (Start: 54 @22964 has 107 MA's), (79, 23093), (86, 23123), (101, 23225), (102, 23231), (107, 23246), (122, 23303), (124, 23318), (135, 23366), (136, 23369),

Gene: Nehemiah_24 Start: 19640, Stop: 20056, Start Num: 43

Candidate Starts for Nehemiah_24:

(Start: 43 @19640 has 20 MA's), (60, 19700), (74, 19763), (75, 19769), (95, 19874), (98, 19904), (114, 19952),

Gene: Neos5_26 Start: 20155, Stop: 20568, Start Num: 45

Candidate Starts for Neos5_26:

(Start: 45 @20155 has 58 MA's), (66, 20230), (74, 20275), (75, 20281), (97, 20413), (127, 20539),

Gene: Newman_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for Newman_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: NiaNia_26 Start: 18401, Stop: 18823, Start Num: 39

Candidate Starts for NiaNia_26:

(25, 18335), (Start: 39 @18401 has 222 MA's), (73, 18524), (74, 18530), (75, 18536), (88, 18599), (95, 18641), (114, 18719), (123, 18767), (128, 18791), (132, 18809), (133, 18815),

Gene: Nicole21_25 Start: 18666, Stop: 19088, Start Num: 39

Candidate Starts for Nicole21_25:

(25, 18600), (Start: 39 @18666 has 222 MA's), (73, 18789), (74, 18795), (75, 18801), (88, 18864), (95, 18906), (114, 18984), (123, 19032), (128, 19056), (132, 19074), (133, 19080),

Gene: Nigel_21 Start: 18187, Stop: 18600, Start Num: 44

Candidate Starts for Nigel_21:

(Start: 44 @18187 has 33 MA's), (75, 18313), (88, 18376), (91, 18388), (95, 18418), (133, 18592),

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

Candidate Starts for Nike_33:

(30, 22624), (Start: 50 @22681 has 48 MA's), (82, 22840), (99, 22957), (104, 22972),

Gene: Nordenberg_24 Start: 22353, Stop: 22787, Start Num: 54

Candidate Starts for Nordenberg_24:

(Start: 44 @22323 has 33 MA's), (Start: 54 @22353 has 107 MA's), (72, 22437), (86, 22512), (90, 22536), (101, 22614), (124, 22707), (136, 22758),

Gene: Nova1_24 Start: 18267, Stop: 18689, Start Num: 38

Candidate Starts for Nova1_24:

(Start: 38 @18267 has 70 MA's), (64, 18339), (73, 18390), (74, 18396), (75, 18402), (88, 18465), (95, 18507), (114, 18585), (123, 18633), (128, 18657), (132, 18675), (133, 18681),

Gene: Nozo_26 Start: 20125, Stop: 20538, Start Num: 45

Candidate Starts for Nozo_26:

(Start: 45 @20125 has 58 MA's), (66, 20200), (74, 20245), (75, 20251), (97, 20383), (127, 20509),

Gene: Nubi_26 Start: 17592, Stop: 18035, Start Num: 54

Candidate Starts for Nubi_26:

(Start: 54 @17592 has 107 MA's), (101, 17853), (136, 18009),

Gene: Numberten_25 Start: 18679, Stop: 19101, Start Num: 39

Candidate Starts for Numberten_25:

(25, 18613), (Start: 39 @18679 has 222 MA's), (73, 18802), (74, 18808), (75, 18814), (88, 18877), (95, 18919), (114, 18997), (123, 19045), (128, 19069), (132, 19087), (133, 19093),

Gene: Nyala_24 Start: 18377, Stop: 18799, Start Num: 39

Candidate Starts for Nyala_24:

(25, 18311), (Start: 39 @18377 has 222 MA's), (73, 18500), (74, 18506), (75, 18512), (88, 18575), (95, 18617), (114, 18695), (123, 18743), (128, 18767), (132, 18785), (133, 18791),

Gene: OSmaximus_25 Start: 18703, Stop: 19125, Start Num: 38

Candidate Starts for OSmaximus_25:

(Start: 38 @18703 has 70 MA's), (64, 18775), (73, 18826), (74, 18832), (75, 18838), (88, 18901), (95, 18943), (114, 19021), (123, 19069), (128, 19093), (132, 19111), (133, 19117),

Gene: Obutu_26 Start: 19358, Stop: 19771, Start Num: 45

Candidate Starts for Obutu_26:

(Start: 45 @19358 has 58 MA's), (66, 19433), (74, 19478), (75, 19484), (97, 19616), (127, 19742),

Gene: Olak_24 Start: 18378, Stop: 18800, Start Num: 39

Candidate Starts for Olak_24:

(25, 18312), (Start: 39 @18378 has 222 MA's), (73, 18501), (74, 18507), (75, 18513), (88, 18576), (95, 18618), (114, 18696), (123, 18744), (128, 18768), (132, 18786), (133, 18792),

Gene: Oline_24 Start: 18240, Stop: 18662, Start Num: 38

Candidate Starts for Oline_24:

(Start: 38 @18240 has 70 MA's), (73, 18363), (74, 18369), (75, 18375), (88, 18438), (95, 18480), (114, 18558), (123, 18606), (128, 18630), (132, 18648), (133, 18654),

Gene: Olive_25 Start: 18667, Stop: 19089, Start Num: 39

Candidate Starts for Olive_25:

(25, 18601), (Start: 39 @18667 has 222 MA's), (73, 18790), (74, 18796), (75, 18802), (88, 18865), (95, 18907), (114, 18985), (123, 19033), (128, 19057), (132, 19075), (133, 19081),

Gene: OliverWalter_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for OliverWalter_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: Olivio_25 Start: 19212, Stop: 19625, Start Num: 45

Candidate Starts for Olivio_25:

(Start: 45 @19212 has 58 MA's), (66, 19287), (74, 19332), (75, 19338), (97, 19470), (127, 19596),

Gene: Omniscient_25 Start: 18686, Stop: 19108, Start Num: 39

Candidate Starts for Omniscient_25:

(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95, 18926), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: OneBrain_25 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for OneBrain_25:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: OneinaGillian_32 Start: 20626, Stop: 21021, Start Num: 49

Candidate Starts for OneinaGillian_32:

(Start: 49 @20626 has 12 MA's), (65, 20677), (82, 20785), (95, 20860), (110, 20926), (130, 21013),

Gene: Oosterbaan_25 Start: 18678, Stop: 19100, Start Num: 39

Candidate Starts for Oosterbaan_25:

(25, 18612), (Start: 39 @18678 has 222 MA's), (73, 18801), (74, 18807), (75, 18813), (88, 18876), (95, 18918), (105, 18969), (114, 18996), (123, 19044), (128, 19068), (132, 19086), (133, 19092),

Gene: OrangeOswald_26 Start: 19363, Stop: 19776, Start Num: 45

Candidate Starts for OrangeOswald_26:

(Start: 45 @19363 has 58 MA's), (66, 19438), (74, 19483), (75, 19489), (97, 19621), (127, 19747),

Gene: Orfeu_24 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for Orfeu_24:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: Orion_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for Orion_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (105, 18966), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Orwigg_24 Start: 18372, Stop: 18794, Start Num: 39

Candidate Starts for Orwigg_24:

(25, 18306), (Start: 39 @18372 has 222 MA's), (73, 18495), (74, 18501), (75, 18507), (88, 18570), (95, 18612), (114, 18690), (123, 18738), (128, 18762), (132, 18780), (133, 18786),

Gene: PG1_25 Start: 18688, Stop: 19110, Start Num: 39

Candidate Starts for PG1_25:

(25, 18622), (Start: 39 @18688 has 222 MA's), (73, 18811), (74, 18817), (75, 18823), (88, 18886), (95, 18928), (105, 18979), (114, 19006), (123, 19054), (128, 19078), (132, 19096), (133, 19102),

Gene: PR_19 Start: 18164, Stop: 18574, Start Num: 45

Candidate Starts for PR_19:

(Start: 45 @18164 has 58 MA's), (66, 18239), (74, 18284), (75, 18290), (83, 18332), (88, 18356), (93, 18377), (113, 18479), (123, 18524),

Gene: Pacifista_24 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for Pacifista_24:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: PallasAthena_25 Start: 18386, Stop: 18808, Start Num: 39

Candidate Starts for PallasAthena_25:

(25, 18320), (Start: 39 @18386 has 222 MA's), (73, 18509), (74, 18515), (75, 18521), (88, 18584), (95, 18626), (114, 18704), (123, 18752), (128, 18776), (132, 18794), (133, 18800),

Gene: Paries_32 Start: 23819, Stop: 24253, Start Num: 54

Candidate Starts for Paries_32:

(Start: 44 @23780 has 33 MA's), (Start: 54 @23819 has 107 MA's), (72, 23903), (86, 23978), (90, 24002), (101, 24080), (107, 24101), (124, 24173), (136, 24224),

Gene: PenguinLover67_27 Start: 20904, Stop: 21338, Start Num: 41

Candidate Starts for PenguinLover67_27:

(Start: 41 @20904 has 23 MA's), (62, 20970), (67, 20994), (74, 21030), (75, 21036), (82, 21072), (88, 21099), (127, 21288),

Gene: Pepe25_31 Start: 20844, Stop: 21239, Start Num: 49

Candidate Starts for Pepe25_31:

(Start: 49 @20844 has 12 MA's), (61, 20886), (65, 20895), (82, 21003), (110, 21144), (126, 21213), (130, 21231),

Gene: Phabia_33 Start: 22063, Stop: 22467, Start Num: 50

Candidate Starts for Phabia_33:

(30, 22006), (Start: 50 @22063 has 48 MA's), (59, 22099), (93, 22273), (95, 22294), (101, 22339), (104, 22348), (131, 22453), (133, 22462),

Gene: Phamished_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for Phamished_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: Phareon_25 Start: 18383, Stop: 18805, Start Num: 39

Candidate Starts for Phareon_25:

(25, 18317), (Start: 39 @18383 has 222 MA's), (73, 18506), (74, 18512), (75, 18518), (88, 18581), (95, 18623), (114, 18701), (123, 18749), (128, 18773), (132, 18791), (133, 18797),

Gene: PhatCats2014_25 Start: 18693, Stop: 19115, Start Num: 39

Candidate Starts for PhatCats2014_25:

(25, 18627), (Start: 39 @18693 has 222 MA's), (73, 18816), (74, 18822), (75, 18828), (88, 18891), (95, 18933), (114, 19011), (123, 19059), (128, 19083), (132, 19101), (133, 19107),

Gene: PhatLouie_25 Start: 18675, Stop: 19097, Start Num: 38

Candidate Starts for PhatLouie_25:

(Start: 38 @18675 has 70 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Phauci_21 Start: 17995, Stop: 18426, Start Num: 54

Candidate Starts for Phauci_21:

(14, 17803), (47, 17968), (Start: 54 @17995 has 107 MA's), (72, 18079), (89, 18175), (101, 18256), (102, 18262), (106, 18274), (122, 18334), (127, 18358), (135, 18397), (136, 18400),

Gene: Phayeta_26 Start: 19239, Stop: 19652, Start Num: 45

Candidate Starts for Phayeta_26:

(Start: 45 @19239 has 58 MA's), (66, 19314), (74, 19359), (75, 19365), (97, 19497), (127, 19623),

Gene: Phelemich_25 Start: 19636, Stop: 20052, Start Num: 43

Candidate Starts for Phelemich_25:

(Start: 43 @19636 has 20 MA's), (60, 19696), (74, 19759), (75, 19765), (95, 19870), (98, 19900), (114, 19948), (134, 20047),

Gene: Phendrix_82 Start: 43488, Stop: 43901, Start Num: 38

Candidate Starts for Phendrix_82:

(Start: 38 @43488 has 70 MA's), (51, 43521), (71, 43614), (75, 43638), (81, 43671), (87, 43698), (88, 43701), (98, 43773), (105, 43794), (117, 43833), (128, 43893),

Gene: PhenghisKhan_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for PhenghisKhan_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: Pherdinand_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for Pherdinand_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: Phergie_24 Start: 18248, Stop: 18670, Start Num: 38

Candidate Starts for Phergie_24:

(Start: 38 @18248 has 70 MA's), (64, 18320), (73, 18371), (74, 18377), (75, 18383), (88, 18446), (95, 18488), (114, 18566), (123, 18614), (128, 18638), (132, 18656), (133, 18662),

Gene: Philly_25 Start: 19229, Stop: 19642, Start Num: 45

Candidate Starts for Philly_25:

(Start: 45 @19229 has 58 MA's), (66, 19304), (74, 19349), (75, 19355), (97, 19487), (127, 19613),

Gene: Phinally_28 Start: 21403, Stop: 21834, Start Num: 54

Candidate Starts for Phinally_28:

(12, 21175), (14, 21211), (47, 21376), (48, 21379), (Start: 54 @21403 has 107 MA's), (72, 21487), (89, 21583), (101, 21664), (102, 21670), (106, 21682), (122, 21742), (127, 21766), (135, 21805), (136, 21808),

Gene: Phinky_39 Start: 23231, Stop: 23650, Start Num: 50

Candidate Starts for Phinky_39:

(35, 23201), (Start: 50 @23231 has 48 MA's), (59, 23267), (63, 23276), (73, 23342), (95, 23465), (104, 23522), (133, 23645),

Gene: Phipps_25 Start: 18653, Stop: 19075, Start Num: 39

Candidate Starts for Phipps_25:

(25, 18587), (Start: 39 @18653 has 222 MA's), (73, 18776), (74, 18782), (75, 18788), (88, 18851), (95, 18893), (114, 18971), (123, 19019), (128, 19043), (132, 19061), (133, 19067),

Gene: Phleuron_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for Phleuron_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: Phlop_26 Start: 17656, Stop: 18099, Start Num: 54

Candidate Starts for Phlop_26:

(Start: 54 @17656 has 107 MA's), (101, 17917), (136, 18073),

Gene: Phlyer_26 Start: 20098, Stop: 20511, Start Num: 45

Candidate Starts for Phlyer_26:

(Start: 45 @20098 has 58 MA's), (74, 20218), (75, 20224), (85, 20272), (97, 20356), (127, 20482),

Gene: PhrankReynolds_24 Start: 18254, Stop: 18676, Start Num: 38

Candidate Starts for PhrankReynolds_24:

(Start: 38 @18254 has 70 MA's), (64, 18326), (73, 18377), (74, 18383), (75, 18389), (88, 18452), (95, 18494), (114, 18572), (123, 18620), (128, 18644), (132, 18662), (133, 18668),

Gene: PhrodoBaggins_24 Start: 18671, Stop: 19093, Start Num: 39

Candidate Starts for PhrodoBaggins_24:

(25, 18605), (Start: 39 @18671 has 222 MA's), (73, 18794), (74, 18800), (75, 18806), (88, 18869), (95, 18911), (114, 18989), (123, 19037), (128, 19061), (132, 19079), (133, 19085),

Gene: Phunky_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Phunky_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Piglet_0024 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Piglet_0024:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Pine5_25 Start: 19604, Stop: 20017, Start Num: 40

Candidate Starts for Pine5_25:

(40, 19604), (42, 19607), (73, 19727), (88, 19805), (129, 20009),

Gene: PinheadLarry_25 Start: 18394, Stop: 18816, Start Num: 39

Candidate Starts for PinheadLarry_25:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: PinkCoffee_28 Start: 18295, Stop: 18738, Start Num: 54

Candidate Starts for PinkCoffee_28:

(Start: 54 @18295 has 107 MA's), (101, 18556), (136, 18712),

Gene: Pinkman_24 Start: 18234, Stop: 18656, Start Num: 38

Candidate Starts for Pinkman_24:

(Start: 38 @18234 has 70 MA's), (73, 18357), (74, 18363), (75, 18369), (88, 18432), (95, 18474), (114, 18552), (123, 18600), (128, 18624), (132, 18642), (133, 18648),

Gene: Pipefish_26 Start: 20248, Stop: 20661, Start Num: 45

Candidate Starts for Pipefish_26:

(Start: 45 @20248 has 58 MA's), (74, 20368), (75, 20374), (85, 20422), (97, 20506), (127, 20632),

Gene: Pipsqueak_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for Pipsqueak_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (105, 18974), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: Placalicious_24 Start: 18376, Stop: 18798, Start Num: 39

Candidate Starts for Placalicious_24:

(25, 18310), (Start: 39 @18376 has 222 MA's), (73, 18499), (74, 18505), (75, 18511), (88, 18574), (95, 18616), (105, 18667), (114, 18694), (123, 18742), (128, 18766), (132, 18784), (133, 18790),

Gene: Plata_24 Start: 18390, Stop: 18812, Start Num: 38

Candidate Starts for Plata_24:

(Start: 38 @18390 has 70 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: Plmatters_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for Plmatters_25:

(25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Podrick_25 Start: 18672, Stop: 19094, Start Num: 39

Candidate Starts for Podrick_25:

(25, 18606), (Start: 39 @18672 has 222 MA's), (73, 18795), (74, 18801), (75, 18807), (88, 18870), (95, 18912), (114, 18990), (123, 19038), (128, 19062), (132, 19080), (133, 19086),

Gene: Pops_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for Pops_25:

(25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Portcullis_26 Start: 17599, Stop: 18042, Start Num: 54

Candidate Starts for Portcullis_26:

(Start: 54 @17599 has 107 MA's), (101, 17860), (136, 18016),

Gene: Poster_22 Start: 18304, Stop: 18717, Start Num: 44

Candidate Starts for Poster_22:

(Start: 44 @18304 has 33 MA's), (73, 18418), (74, 18424), (75, 18430), (82, 18466), (88, 18493), (91, 18505), (94, 18517), (95, 18535), (114, 18613), (127, 18682), (133, 18709),

Gene: Potter_24 Start: 18390, Stop: 18812, Start Num: 39

Candidate Starts for Potter_24:

(25, 18324), (Start: 39 @18390 has 222 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (105, 18681), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: Prickles_25 Start: 18669, Stop: 19091, Start Num: 39

Candidate Starts for Prickles_25:

(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: Prince_23 Start: 19496, Stop: 19909, Start Num: 44

Candidate Starts for Prince_23:

(Start: 44 @19496 has 33 MA's), (73, 19610), (74, 19616), (75, 19622), (82, 19658), (91, 19697), (94, 19709), (95, 19727), (114, 19805), (118, 19820), (127, 19874), (128, 19877), (133, 19901),

Gene: ProfessorX_25 Start: 18667, Stop: 19089, Start Num: 39

Candidate Starts for ProfessorX_25:

(25, 18601), (Start: 39 @18667 has 222 MA's), (73, 18790), (74, 18796), (75, 18802), (88, 18865), (95, 18907), (114, 18985), (123, 19033), (128, 19057), (132, 19075), (133, 19081),

Gene: Puhltonio_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for Puhltonio_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: PullumCavea_26 Start: 17656, Stop: 18099, Start Num: 54

Candidate Starts for PullumCavea_26:

(Start: 54 @17656 has 107 MA's), (101, 17917), (136, 18073),

Gene: Pumpkiney_31 Start: 20284, Stop: 20715, Start Num: 54

Candidate Starts for Pumpkiney_31:

(15, 20098), (23, 20158), (Start: 34 @20224 has 1 MA's), (47, 20257), (Start: 54 @20284 has 107 MA's), (79, 20413), (86, 20443), (101, 20545), (102, 20551), (107, 20566), (122, 20623), (124, 20638), (135, 20686), (136, 20689),

Gene: Quammi_31 Start: 21635, Stop: 22048, Start Num: 50

Candidate Starts for Quammi_31:

(30, 21578), (Start: 50 @21635 has 48 MA's), (59, 21671), (82, 21794), (99, 21911), (104, 21926),

Gene: QueenBeane_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for QueenBeane_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: QueenPie_22 Start: 19500, Stop: 19913, Start Num: 44

Candidate Starts for QueenPie_22:

(Start: 44 @19500 has 33 MA's), (74, 19620), (75, 19626), (82, 19662), (91, 19701), (94, 19713), (95, 19731), (114, 19809), (127, 19878), (133, 19905),

Gene: Quesadilla_26 Start: 20803, Stop: 21240, Start Num: 41
Candidate Starts for Quesadilla_26:
(Start: 41 @20803 has 23 MA's), (74, 20929), (75, 20935), (82, 20971), (88, 20998), (114, 21118),
(120, 21148), (127, 21187),

Gene: Quisquilliae_25 Start: 18690, Stop: 19112, Start Num: 39
Candidate Starts for Quisquilliae_25:
(25, 18624), (Start: 39 @18690 has 222 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95,
18930), (114, 19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),

Gene: RagingRooster_26 Start: 19364, Stop: 19777, Start Num: 45
Candidate Starts for RagingRooster_26:
(Start: 45 @19364 has 58 MA's), (66, 19439), (74, 19484), (75, 19490), (97, 19622), (127, 19748),

Gene: RawrgerThat_23 Start: 19333, Stop: 19746, Start Num: 44
Candidate Starts for RawrgerThat_23:
(Start: 44 @19333 has 33 MA's), (73, 19447), (74, 19453), (75, 19459), (82, 19495), (91, 19534), (94,
19546), (95, 19564), (114, 19642), (118, 19657), (127, 19711), (128, 19714), (133, 19738),

Gene: Reccee_25 Start: 19570, Stop: 19986, Start Num: 43
Candidate Starts for Reccee_25:
(Start: 43 @19570 has 20 MA's), (60, 19630), (75, 19699), (95, 19804), (98, 19834), (134, 19981),

Gene: RedMaple_24 Start: 18686, Stop: 19108, Start Num: 39
Candidate Starts for RedMaple_24:
(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95,
18926), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: RedRaider89_26 Start: 18906, Stop: 19328, Start Num: 39
Candidate Starts for RedRaider89_26:
(25, 18840), (Start: 39 @18906 has 222 MA's), (73, 19029), (74, 19035), (75, 19041), (88, 19104), (95,
19146), (114, 19224), (123, 19272), (128, 19296), (132, 19314), (133, 19320),

Gene: Renkei_22 Start: 18311, Stop: 18724, Start Num: 44
Candidate Starts for Renkei_22:
(Start: 44 @18311 has 33 MA's), (73, 18425), (74, 18431), (75, 18437), (82, 18473), (91, 18512), (94,
18524), (95, 18542), (114, 18620), (127, 18689), (133, 18716),

Gene: Reprobate_25 Start: 19641, Stop: 20057, Start Num: 43
Candidate Starts for Reprobate_25:
(Start: 43 @19641 has 20 MA's), (60, 19701), (74, 19764), (75, 19770), (95, 19875), (98, 19905), (114,
19953), (134, 20052),

Gene: Ribeye_30 Start: 23007, Stop: 23441, Start Num: 50
Candidate Starts for Ribeye_30:
(Start: 50 @23007 has 48 MA's), (68, 23061), (72, 23091), (86, 23166), (101, 23268), (107, 23289),
(124, 23361), (136, 23412),

Gene: Rich_24 Start: 19142, Stop: 19558, Start Num: 43
Candidate Starts for Rich_24:
(Start: 43 @19142 has 20 MA's), (73, 19259), (75, 19271), (88, 19334), (127, 19523), (134, 19553),

Gene: Ricotta_24 Start: 18398, Stop: 18820, Start Num: 39

Candidate Starts for Ricotta_24:

(25, 18332), (Start: 39 @18398 has 222 MA's), (73, 18521), (74, 18527), (75, 18533), (88, 18596), (95, 18638), (114, 18716), (123, 18764), (128, 18788), (132, 18806), (133, 18812),

Gene: Riggan_25 Start: 18658, Stop: 19080, Start Num: 39

Candidate Starts for Riggan_25:

(25, 18592), (Start: 39 @18658 has 222 MA's), (73, 18781), (74, 18787), (75, 18793), (88, 18856), (95, 18898), (114, 18976), (123, 19024), (128, 19048), (132, 19066), (133, 19072),

Gene: Rimu_25 Start: 18407, Stop: 18829, Start Num: 38

Candidate Starts for Rimu_25:

(Start: 38 @18407 has 70 MA's), (64, 18479), (73, 18530), (74, 18536), (75, 18542), (88, 18605), (95, 18647), (114, 18725), (123, 18773), (128, 18797), (132, 18815), (133, 18821),

Gene: Rinkes_28 Start: 21670, Stop: 22086, Start Num: 43

Candidate Starts for Rinkes_28:

(Start: 43 @21670 has 20 MA's), (74, 21793), (75, 21799), (82, 21835), (95, 21904), (114, 21982), (118, 21997), (127, 22051), (128, 22054), (133, 22078),

Gene: Rita130_25 Start: 19390, Stop: 19806, Start Num: 43

Candidate Starts for Rita130_25:

(Start: 43 @19390 has 20 MA's), (60, 19450), (75, 19519), (95, 19624), (98, 19654), (134, 19801),

Gene: Rita1961_26 Start: 19359, Stop: 19772, Start Num: 45

Candidate Starts for Rita1961_26:

(Start: 45 @19359 has 58 MA's), (66, 19434), (74, 19479), (75, 19485), (97, 19617), (127, 19743),

Gene: RiverRaider_30 Start: 21439, Stop: 21873, Start Num: 54

Candidate Starts for RiverRaider_30:

(Start: 54 @21439 has 107 MA's), (72, 21523), (101, 21700), (107, 21721), (122, 21778), (124, 21793), (136, 21844),

Gene: Riverton_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for Riverton_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: RoadKill_25 Start: 19107, Stop: 19538, Start Num: 54

Candidate Starts for RoadKill_25:

(18, 18933), (24, 18984), (Start: 54 @19107 has 107 MA's), (72, 19191), (86, 19266), (106, 19386), (112, 19401), (124, 19461), (134, 19500), (135, 19509), (136, 19512),

Gene: RobinRose_34 Start: 21130, Stop: 21525, Start Num: 49

Candidate Starts for RobinRose_34:

(Start: 49 @21130 has 12 MA's), (61, 21172), (65, 21181), (82, 21289), (110, 21430), (130, 21517),

Gene: Robyn_24 Start: 18249, Stop: 18671, Start Num: 39

Candidate Starts for Robyn_24:

(25, 18183), (Start: 39 @18249 has 222 MA's), (73, 18372), (74, 18378), (75, 18384), (88, 18447), (95, 18489), (114, 18567), (123, 18615), (128, 18639), (132, 18657), (133, 18663),

Gene: Rofo_30 Start: 23214, Stop: 23648, Start Num: 54

Candidate Starts for Rofo_30:

(Start: 44 @23184 has 33 MA's), (Start: 54 @23214 has 107 MA's), (72, 23298), (86, 23373), (90, 23397), (101, 23475), (124, 23568), (136, 23619),

Gene: RogerDodger_29 Start: 18449, Stop: 18892, Start Num: 54

Candidate Starts for RogerDodger_29:

(Start: 54 @18449 has 107 MA's), (101, 18710), (136, 18866),

Gene: Roliet_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for Roliet_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: RomaT_26 Start: 20149, Stop: 20562, Start Num: 45

Candidate Starts for RomaT_26:

(Start: 45 @20149 has 58 MA's), (74, 20269), (75, 20275), (97, 20407), (127, 20533),

Gene: Romm_34 Start: 21130, Stop: 21525, Start Num: 49

Candidate Starts for Romm_34:

(Start: 49 @21130 has 12 MA's), (61, 21172), (65, 21181), (82, 21289), (110, 21430), (130, 21517),

Gene: Roscoe_26 Start: 18916, Stop: 19338, Start Num: 39

Candidate Starts for Roscoe_26:

(25, 18850), (Start: 39 @18916 has 222 MA's), (73, 19039), (74, 19045), (75, 19051), (88, 19114), (95, 19156), (114, 19234), (123, 19282), (128, 19306), (132, 19324), (133, 19330),

Gene: Rowlf_29 Start: 21810, Stop: 22223, Start Num: 50

Candidate Starts for Rowlf_29:

(30, 21753), (Start: 50 @21810 has 48 MA's), (82, 21969), (99, 22086), (104, 22101),

Gene: Roy17_25 Start: 18378, Stop: 18800, Start Num: 39

Candidate Starts for Roy17_25:

(25, 18312), (Start: 39 @18378 has 222 MA's), (73, 18501), (74, 18507), (75, 18513), (88, 18576), (95, 18618), (114, 18696), (123, 18744), (128, 18768), (132, 18786), (133, 18792),

Gene: RubyRalph_35 Start: 21703, Stop: 22119, Start Num: 50

Candidate Starts for RubyRalph_35:

(20, 21580), (35, 21670), (Start: 50 @21703 has 48 MA's), (73, 21814), (94, 21919), (107, 22000), (110, 22003), (134, 22114),

Gene: Rudy_31 Start: 21668, Stop: 22081, Start Num: 50

Candidate Starts for Rudy_31:

(30, 21611), (37, 21641), (Start: 50 @21668 has 48 MA's), (59, 21704), (82, 21827), (99, 21944), (104, 21959),

Gene: SDcharge11_25 Start: 18656, Stop: 19078, Start Num: 39

Candidate Starts for SDcharge11_25:

(25, 18590), (Start: 39 @18656 has 222 MA's), (73, 18779), (74, 18785), (75, 18791), (88, 18854), (95, 18896), (114, 18974), (123, 19022), (128, 19046), (132, 19064), (133, 19070),

Gene: SadLad_37 Start: 22646, Stop: 23062, Start Num: 50

Candidate Starts for SadLad_37:

(6, 22172), (7, 22178), (8, 22205), (11, 22295), (20, 22523), (35, 22613), (Start: 50 @22646 has 48 MA's), (73, 22757), (107, 22943), (110, 22946), (134, 23057),

Gene: Saguaro_26 Start: 20711, Stop: 21127, Start Num: 43

Candidate Starts for Saguaro_26:

(Start: 43 @20711 has 20 MA's), (74, 20834), (114, 21023), (118, 21038), (120, 21053),

Gene: SallyH_25 Start: 18688, Stop: 19110, Start Num: 39

Candidate Starts for SallyH_25:

(25, 18622), (Start: 39 @18688 has 222 MA's), (73, 18811), (74, 18817), (75, 18823), (88, 18886), (95, 18928), (114, 19006), (123, 19054), (128, 19078), (132, 19096), (133, 19102),

Gene: SallyK_34 Start: 22743, Stop: 23147, Start Num: 50

Candidate Starts for SallyK_34:

(Start: 50 @22743 has 48 MA's), (59, 22779), (93, 22953), (95, 22974), (101, 23019), (104, 23028), (131, 23133), (133, 23142),

Gene: Salvador_26 Start: 17570, Stop: 18013, Start Num: 54

Candidate Starts for Salvador_26:

(Start: 54 @17570 has 107 MA's), (101, 17831), (136, 17987),

Gene: Samaymay_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for Samaymay_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Sampson_30 Start: 22909, Stop: 23340, Start Num: 54

Candidate Starts for Sampson_30:

(Start: 34 @22849 has 1 MA's), (47, 22882), (Start: 54 @22909 has 107 MA's), (79, 23038), (86, 23068), (101, 23170), (102, 23176), (107, 23191), (122, 23248), (124, 23263), (135, 23311), (136, 23314),

Gene: Sanjuju_28 Start: 23395, Stop: 23829, Start Num: 54

Candidate Starts for Sanjuju_28:

(Start: 44 @23365 has 33 MA's), (Start: 54 @23395 has 107 MA's), (72, 23479), (86, 23554), (90, 23578), (101, 23656), (107, 23677), (124, 23749), (136, 23800),

Gene: Saronaya_29 Start: 21853, Stop: 22287, Start Num: 54

Candidate Starts for Saronaya_29:

(52, 21844), (Start: 54 @21853 has 107 MA's), (72, 21937), (86, 22012), (101, 22114), (107, 22135), (122, 22192), (124, 22207), (136, 22258),

Gene: SassyCat97_24 Start: 18384, Stop: 18806, Start Num: 39

Candidate Starts for SassyCat97_24:

(25, 18318), (Start: 39 @18384 has 222 MA's), (73, 18507), (74, 18513), (75, 18519), (88, 18582), (95, 18624), (114, 18702), (123, 18750), (128, 18774), (132, 18792), (133, 18798),

Gene: Savbucketdawg_26 Start: 17351, Stop: 17794, Start Num: 54

Candidate Starts for Savbucketdawg_26:

(Start: 54 @17351 has 107 MA's), (101, 17612), (136, 17768),

Gene: Schadenfreude_24 Start: 18232, Stop: 18654, Start Num: 39

Candidate Starts for Schadenfreude_24:

(25, 18166), (Start: 39 @18232 has 222 MA's), (73, 18355), (74, 18361), (75, 18367), (88, 18430), (95, 18472), (114, 18550), (123, 18598), (128, 18622), (132, 18640), (133, 18646),

Gene: SchottB_28 Start: 22865, Stop: 23299, Start Num: 54

Candidate Starts for SchottB_28:

(52, 22856), (Start: 54 @22865 has 107 MA's), (72, 22949), (86, 23024), (101, 23126), (107, 23147), (122, 23204), (124, 23219), (136, 23270),

Gene: Schueller_24 Start: 18375, Stop: 18797, Start Num: 38

Candidate Starts for Schueller_24:

(Start: 38 @18375 has 70 MA's), (73, 18498), (74, 18504), (75, 18510), (88, 18573), (95, 18615), (114, 18693), (123, 18741), (128, 18765), (132, 18783), (133, 18789),

Gene: Scioto_30 Start: 22964, Stop: 23395, Start Num: 54

Candidate Starts for Scioto_30:

(Start: 34 @22904 has 1 MA's), (47, 22937), (Start: 54 @22964 has 107 MA's), (79, 23093), (86, 23123), (101, 23225), (102, 23231), (107, 23246), (122, 23303), (124, 23318), (135, 23366), (136, 23369),

Gene: Scoot17C_25 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Scoot17C_25:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (105, 18968), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: Scrick_25 Start: 18402, Stop: 18824, Start Num: 39

Candidate Starts for Scrick_25:

(25, 18336), (Start: 39 @18402 has 222 MA's), (73, 18525), (74, 18531), (75, 18537), (88, 18600), (95, 18642), (114, 18720), (123, 18768), (128, 18792), (132, 18810), (133, 18816),

Gene: Sedona_30 Start: 24320, Stop: 24754, Start Num: 54

Candidate Starts for Sedona_30:

(Start: 54 @24320 has 107 MA's), (72, 24404), (86, 24479), (90, 24503), (101, 24581), (107, 24602), (122, 24659), (124, 24674), (136, 24725),

Gene: Sejanus_22 Start: 17555, Stop: 17959, Start Num: 44

Candidate Starts for Sejanus_22:

(Start: 44 @17555 has 33 MA's), (66, 17633), (74, 17678), (75, 17684), (84, 17729), (88, 17750), (95, 17792), (97, 17816), (105, 17843), (109, 17855), (125, 17933),

Gene: Selr12_25 Start: 18399, Stop: 18821, Start Num: 39

Candidate Starts for Selr12_25:

(25, 18333), (Start: 39 @18399 has 222 MA's), (73, 18522), (74, 18528), (75, 18534), (88, 18597), (95, 18639), (114, 18717), (123, 18765), (128, 18789), (132, 18807), (133, 18813),

Gene: Sendy_27 Start: 17805, Stop: 18248, Start Num: 54

Candidate Starts for Sendy_27:

(13, 17589), (16, 17631), (Start: 54 @17805 has 107 MA's), (101, 18066), (136, 18222),

Gene: Serendipitous_24 Start: 19199, Stop: 19615, Start Num: 43

Candidate Starts for Serendipitous_24:

(Start: 43 @19199 has 20 MA's), (77, 19343), (82, 19364), (94, 19415), (105, 19484), (127, 19580), (134, 19610),

Gene: Serendipity_25 Start: 18697, Stop: 19119, Start Num: 39

Candidate Starts for Serendipity_25:

(25, 18631), (Start: 39 @18697 has 222 MA's), (73, 18820), (74, 18826), (75, 18832), (88, 18895), (95, 18937), (114, 19015), (123, 19063), (128, 19087), (132, 19105), (133, 19111),

Gene: Serpentine_0025 Start: 18677, Stop: 19099, Start Num: 39

Candidate Starts for Serpentine_0025:

(25, 18611), (Start: 39 @18677 has 222 MA's), (73, 18800), (74, 18806), (75, 18812), (88, 18875), (95, 18917), (114, 18995), (123, 19043), (128, 19067), (132, 19085), (133, 19091),

Gene: ShadowBud_25 Start: 18690, Stop: 19112, Start Num: 39

Candidate Starts for ShadowBud_25:

(25, 18624), (Start: 39 @18690 has 222 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95, 18930), (114, 19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),

Gene: SharkTale_26 Start: 18370, Stop: 18813, Start Num: 54

Candidate Starts for SharkTale_26:

(Start: 54 @18370 has 107 MA's), (136, 18787),

Gene: Shatter_22 Start: 17225, Stop: 17635, Start Num: 41

Candidate Starts for Shatter_22:

(Start: 41 @17225 has 23 MA's), (66, 17306), (73, 17345), (75, 17357), (83, 17399), (85, 17405), (88, 17423), (103, 17513),

Gene: Sheila_25 Start: 18669, Stop: 19091, Start Num: 39

Candidate Starts for Sheila_25:

(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: Shenandoah_26 Start: 19342, Stop: 19755, Start Num: 45

Candidate Starts for Shenandoah_26:

(Start: 45 @19342 has 58 MA's), (66, 19417), (74, 19462), (75, 19468), (97, 19600), (127, 19726),

Gene: Shenyu_25 Start: 19342, Stop: 19758, Start Num: 43

Candidate Starts for Shenyu_25:

(Start: 43 @19342 has 20 MA's), (88, 19534), (95, 19576), (105, 19627), (134, 19753),

Gene: ShiVal_25 Start: 18669, Stop: 19091, Start Num: 39

Candidate Starts for ShiVal_25:

(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: Shinji_26 Start: 17540, Stop: 17983, Start Num: 54

Candidate Starts for Shinji_26:

(Start: 54 @17540 has 107 MA's), (101, 17801), (136, 17957),

Gene: Shivanishola_31 Start: 23294, Stop: 23728, Start Num: 54

Candidate Starts for Shivanishola_31:

(Start: 44 @23264 has 33 MA's), (Start: 54 @23294 has 107 MA's), (72, 23378), (86, 23453), (90, 23477), (101, 23555), (107, 23576), (124, 23648), (136, 23699),

Gene: Sigman_25 Start: 18668, Stop: 19090, Start Num: 39

Candidate Starts for Sigman_25:

(25, 18602), (Start: 39 @18668 has 222 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95, 18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: Sillytadpoles_33 Start: 21633, Stop: 22037, Start Num: 50

Candidate Starts for Sillytadpoles_33:

(30, 21576), (Start: 50 @21633 has 48 MA's), (59, 21669), (93, 21843), (95, 21864), (101, 21909), (104, 21918), (131, 22023), (133, 22032),

Gene: SilverBell_25 Start: 18692, Stop: 19114, Start Num: 39

Candidate Starts for SilverBell_25:

(25, 18626), (Start: 39 @18692 has 222 MA's), (73, 18815), (74, 18821), (75, 18827), (88, 18890), (95, 18932), (114, 19010), (123, 19058), (128, 19082), (132, 19100), (133, 19106),

Gene: Simielle_24 Start: 18367, Stop: 18789, Start Num: 39

Candidate Starts for Simielle_24:

(25, 18301), (Start: 39 @18367 has 222 MA's), (73, 18490), (74, 18496), (75, 18502), (88, 18565), (95, 18607), (114, 18685), (123, 18733), (128, 18757), (132, 18775), (133, 18781),

Gene: SirBeauregard_24 Start: 18361, Stop: 18783, Start Num: 38

Candidate Starts for SirBeauregard_24:

(Start: 38 @18361 has 70 MA's), (64, 18433), (73, 18484), (74, 18490), (75, 18496), (88, 18559), (95, 18601), (114, 18679), (123, 18727), (128, 18751), (132, 18769), (133, 18775),

Gene: SirJeffery_25 Start: 19385, Stop: 19801, Start Num: 43

Candidate Starts for SirJeffery_25:

(Start: 43 @19385 has 20 MA's), (60, 19445), (75, 19514), (95, 19619), (98, 19649), (134, 19796),

Gene: Sisko_22 Start: 17508, Stop: 17921, Start Num: 41

Candidate Starts for Sisko_22:

(Start: 41 @17508 has 23 MA's), (62, 17577), (75, 17643), (85, 17691), (103, 17799), (127, 17898),

Gene: Sitar_30 Start: 24387, Stop: 24821, Start Num: 54

Candidate Starts for Sitar_30:

(Start: 44 @24357 has 33 MA's), (Start: 54 @24387 has 107 MA's), (72, 24471), (86, 24546), (101, 24648), (107, 24669), (124, 24741), (136, 24792),

Gene: Sixsevenium_27 Start: 17507, Stop: 17950, Start Num: 54

Candidate Starts for Sixsevenium_27:

(Start: 54 @17507 has 107 MA's), (136, 17924),

Gene: Skippy_25 Start: 18662, Stop: 19084, Start Num: 39

Candidate Starts for Skippy_25:

(25, 18596), (Start: 39 @18662 has 222 MA's), (73, 18785), (74, 18791), (75, 18797), (88, 18860), (95, 18902), (114, 18980), (123, 19028), (128, 19052), (132, 19070), (133, 19076),

Gene: Slatt_25 Start: 18691, Stop: 19113, Start Num: 39

Candidate Starts for Slatt_25:

(25, 18625), (Start: 39 @18691 has 222 MA's), (73, 18814), (74, 18820), (75, 18826), (88, 18889), (95, 18931), (114, 19009), (123, 19057), (128, 19081), (132, 19099), (133, 19105),

Gene: SlippinJimmy_26 Start: 20128, Stop: 20541, Start Num: 45

Candidate Starts for SlippinJimmy_26:

(Start: 45 @20128 has 58 MA's), (74, 20248), (75, 20254), (85, 20302), (97, 20386), (127, 20512),

Gene: SlySloth_35 Start: 22638, Stop: 23036, Start Num: 50

Candidate Starts for SlySloth_35:

(31, 22584), (Start: 50 @22638 has 48 MA's), (59, 22674), (93, 22848), (95, 22869), (101, 22914), (104, 22923),

Gene: SmokingBunny_26 Start: 17570, Stop: 18013, Start Num: 54

Candidate Starts for SmokingBunny_26:

(Start: 54 @17570 has 107 MA's), (101, 17831), (136, 17987),

Gene: Soile_25 Start: 18389, Stop: 18811, Start Num: 38

Candidate Starts for Soile_25:

(Start: 38 @18389 has 70 MA's), (74, 18518), (75, 18524), (88, 18587), (95, 18629), (114, 18707), (123, 18755), (128, 18779), (132, 18797), (133, 18803),

Gene: Solosis_24 Start: 18394, Stop: 18816, Start Num: 39

Candidate Starts for Solosis_24:

(25, 18328), (Start: 39 @18394 has 222 MA's), (73, 18517), (74, 18523), (75, 18529), (88, 18592), (95, 18634), (114, 18712), (123, 18760), (128, 18784), (132, 18802), (133, 18808),

Gene: Sophia_24 Start: 18387, Stop: 18809, Start Num: 39

Candidate Starts for Sophia_24:

(25, 18321), (Start: 39 @18387 has 222 MA's), (73, 18510), (74, 18516), (75, 18522), (88, 18585), (95, 18627), (114, 18705), (123, 18753), (128, 18777), (132, 18795), (133, 18801),

Gene: Soto_25 Start: 18671, Stop: 19093, Start Num: 39

Candidate Starts for Soto_25:

(25, 18605), (Start: 39 @18671 has 222 MA's), (73, 18794), (74, 18800), (75, 18806), (88, 18869), (95, 18911), (114, 18989), (123, 19037), (128, 19061), (132, 19079), (133, 19085),

Gene: Sour_26 Start: 21204, Stop: 21638, Start Num: 34

Candidate Starts for Sour_26:

(Start: 34 @21204 has 1 MA's), (Start: 41 @21225 has 23 MA's), (62, 21294), (83, 21402), (85, 21408), (95, 21468), (96, 21474), (103, 21516),

Gene: Spartan300_25 Start: 18672, Stop: 19094, Start Num: 39

Candidate Starts for Spartan300_25:

(25, 18606), (Start: 39 @18672 has 222 MA's), (73, 18795), (74, 18801), (75, 18807), (88, 18870), (95, 18912), (114, 18990), (123, 19038), (128, 19062), (132, 19080), (133, 19086),

Gene: Squash_35 Start: 22692, Stop: 23105, Start Num: 50

Candidate Starts for Squash_35:

(30, 22635), (Start: 50 @22692 has 48 MA's), (82, 22851), (99, 22968), (104, 22983),

Gene: Squid_25 Start: 18384, Stop: 18806, Start Num: 39

Candidate Starts for Squid_25:

(25, 18318), (Start: 39 @18384 has 222 MA's), (73, 18507), (74, 18513), (75, 18519), (88, 18582), (95, 18624), (114, 18702), (123, 18750), (128, 18774), (132, 18792), (133, 18798),

Gene: Squiggle_25 Start: 18381, Stop: 18803, Start Num: 39

Candidate Starts for Squiggle_25:

(25, 18315), (Start: 39 @18381 has 222 MA's), (73, 18504), (74, 18510), (75, 18516), (88, 18579), (95, 18621), (114, 18699), (123, 18747), (128, 18771), (132, 18789), (133, 18795),

Gene: Statler_34 Start: 22552, Stop: 22956, Start Num: 50

Candidate Starts for Statler_34:

(33, 22507), (Start: 50 @22552 has 48 MA's), (53, 22564), (59, 22588), (93, 22762), (95, 22783), (101, 22828), (104, 22837), (131, 22942), (133, 22951),

Gene: Stichling_27 Start: 21367, Stop: 21801, Start Num: 54

Candidate Starts for Stichling_27:

(Start: 54 @21367 has 107 MA's), (72, 21451), (76, 21481), (101, 21628), (107, 21649), (122, 21706), (124, 21721), (136, 21772),

Gene: Stinger_21 Start: 17880, Stop: 18293, Start Num: 44

Candidate Starts for Stinger_21:

(Start: 44 @17880 has 33 MA's), (74, 18000), (75, 18006), (82, 18042), (88, 18069), (91, 18081), (94, 18093), (95, 18111), (114, 18189), (127, 18258), (128, 18261), (133, 18285),

Gene: StinkyVeggy_27 Start: 19514, Stop: 19930, Start Num: 43

Candidate Starts for StinkyVeggy_27:

(Start: 43 @19514 has 20 MA's), (88, 19706), (105, 19799), (134, 19925),

Gene: StorminNorm_29 Start: 21732, Stop: 22166, Start Num: 54

Candidate Starts for StorminNorm_29:

(52, 21723), (Start: 54 @21732 has 107 MA's), (72, 21816), (86, 21891), (101, 21993), (107, 22014), (122, 22071), (124, 22086), (136, 22137),

Gene: StrawberryJamm_35 Start: 21872, Stop: 22285, Start Num: 50

Candidate Starts for StrawberryJamm_35:

(30, 21815), (Start: 50 @21872 has 48 MA's), (82, 22031), (99, 22148), (104, 22163),

Gene: Struggle_24 Start: 18228, Stop: 18650, Start Num: 38

Candidate Starts for Struggle_24:

(Start: 38 @18228 has 70 MA's), (73, 18351), (74, 18357), (75, 18363), (88, 18426), (95, 18468), (114, 18546), (123, 18594), (128, 18618), (132, 18636), (133, 18642),

Gene: Stultus_28 Start: 22302, Stop: 22736, Start Num: 54

Candidate Starts for Stultus_28:

(Start: 44 @22272 has 33 MA's), (Start: 54 @22302 has 107 MA's), (72, 22386), (86, 22461), (90, 22485), (101, 22563), (107, 22584), (124, 22656), (136, 22707),

Gene: Suffolk_25 Start: 18674, Stop: 19096, Start Num: 39

Candidate Starts for Suffolk_25:

(25, 18608), (Start: 39 @18674 has 222 MA's), (73, 18797), (74, 18803), (75, 18809), (88, 18872), (95, 18914), (114, 18992), (123, 19040), (128, 19064), (132, 19082), (133, 19088),

Gene: Suigeneris_25 Start: 19394, Stop: 19810, Start Num: 43

Candidate Starts for Suigeneris_25:

(Start: 43 @19394 has 20 MA's), (60, 19454), (75, 19523), (95, 19628), (98, 19658), (134, 19805),

Gene: Sunfish_41 Start: 23003, Stop: 23479, Start Num: 49

Candidate Starts for Sunfish_41:

(Start: 49 @23003 has 12 MA's), (69, 23084), (95, 23234), (101, 23288), (106, 23306), (115, 23333),

Gene: Surely_25 Start: 18686, Stop: 19108, Start Num: 39

Candidate Starts for Surely_25:

(25, 18620), (Start: 39 @18686 has 222 MA's), (73, 18809), (74, 18815), (75, 18821), (88, 18884), (95, 18926), (114, 19004), (123, 19052), (128, 19076), (132, 19094), (133, 19100),

Gene: SwainyDoc_26 Start: 19361, Stop: 19774, Start Num: 45

Candidate Starts for SwainyDoc_26:

(Start: 45 @19361 has 58 MA's), (66, 19436), (74, 19481), (75, 19487), (97, 19619), (127, 19745),

Gene: Swiphy_25 Start: 18675, Stop: 19097, Start Num: 38

Candidate Starts for Swiphy_25:

(Start: 38 @18675 has 70 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Swish_25 Start: 18669, Stop: 19091, Start Num: 39

Candidate Starts for Swish_25:

(25, 18603), (Start: 39 @18669 has 222 MA's), (73, 18792), (74, 18798), (75, 18804), (88, 18867), (95, 18909), (114, 18987), (123, 19035), (128, 19059), (132, 19077), (133, 19083),

Gene: SynergyX_26 Start: 19364, Stop: 19777, Start Num: 45

Candidate Starts for SynergyX_26:

(Start: 45 @19364 has 58 MA's), (66, 19439), (74, 19484), (75, 19490), (97, 19622), (127, 19748),

Gene: TPA2_31 Start: 19553, Stop: 19993, Start Num: 35

Candidate Starts for TPA2_31:

(35, 19553), (74, 19697), (75, 19703), (88, 19769), (114, 19892), (127, 19961), (131, 19979),

Gene: TallGrassMM_25 Start: 18401, Stop: 18823, Start Num: 39

Candidate Starts for TallGrassMM_25:

(25, 18335), (Start: 39 @18401 has 222 MA's), (73, 18524), (74, 18530), (75, 18536), (88, 18599), (95, 18641), (105, 18692), (114, 18719), (123, 18767), (128, 18791), (132, 18809), (133, 18815),

Gene: Tangent_30 Start: 22736, Stop: 23170, Start Num: 54

Candidate Starts for Tangent_30:

(Start: 44 @22706 has 33 MA's), (Start: 54 @22736 has 107 MA's), (72, 22820), (86, 22895), (90, 22919), (101, 22997), (124, 23090), (136, 23141),

Gene: Tangerine_29 Start: 21738, Stop: 22172, Start Num: 54

Candidate Starts for Tangerine_29:

(52, 21729), (Start: 54 @21738 has 107 MA's), (72, 21822), (86, 21897), (101, 21999), (107, 22020), (122, 22077), (124, 22092), (136, 22143),

Gene: Taptic_19 Start: 18137, Stop: 18547, Start Num: 45

Candidate Starts for Taptic_19:

(Start: 45 @18137 has 58 MA's), (66, 18212), (74, 18257), (75, 18263), (83, 18305), (88, 18329), (93, 18350), (113, 18452), (123, 18497),

Gene: Taraxa_25 Start: 18255, Stop: 18677, Start Num: 38

Candidate Starts for Taraxa_25:

(Start: 38 @18255 has 70 MA's), (73, 18378), (74, 18384), (75, 18390), (88, 18453), (95, 18495), (114, 18573), (123, 18621), (128, 18645), (132, 18663), (133, 18669),

Gene: Tardus_31 Start: 22245, Stop: 22676, Start Num: 54

Candidate Starts for Tardus_31:

(47, 22218), (Start: 54 @22245 has 107 MA's), (72, 22329), (79, 22374), (86, 22404), (101, 22506), (102, 22512), (107, 22527), (122, 22584), (124, 22599), (135, 22647), (136, 22650),

Gene: Teehee_34 Start: 22869, Stop: 23273, Start Num: 50

Candidate Starts for Teehee_34:

(30, 22812), (Start: 50 @22869 has 48 MA's), (59, 22905), (93, 23079), (95, 23100), (101, 23145), (104, 23154), (131, 23259), (133, 23268),

Gene: Telesworld_24 Start: 18380, Stop: 18802, Start Num: 39

Candidate Starts for Telesworld_24:

(25, 18314), (Start: 39 @18380 has 222 MA's), (73, 18503), (74, 18509), (75, 18515), (88, 18578), (95, 18620), (114, 18698), (123, 18746), (128, 18770), (132, 18788), (133, 18794),

Gene: Tempo_32 Start: 21006, Stop: 21401, Start Num: 49

Candidate Starts for Tempo_32:

(Start: 49 @21006 has 12 MA's), (61, 21048), (65, 21057), (82, 21165), (102, 21288), (110, 21306), (130, 21393),

Gene: Thing3_29 Start: 23229, Stop: 23663, Start Num: 54

Candidate Starts for Thing3_29:

(Start: 44 @23199 has 33 MA's), (Start: 54 @23229 has 107 MA's), (72, 23313), (86, 23388), (90, 23412), (101, 23490), (107, 23511), (124, 23583), (136, 23634),

Gene: Thonko_24 Start: 17161, Stop: 17574, Start Num: 44

Candidate Starts for Thonko_24:

(9, 16762), (10, 16798), (17, 17026), (Start: 44 @17161 has 33 MA's), (74, 17281), (75, 17287), (78, 17311), (79, 17314), (95, 17392), (118, 17485),

Gene: Thora_25 Start: 18685, Stop: 19107, Start Num: 39

Candidate Starts for Thora_25:

(25, 18619), (Start: 39 @18685 has 222 MA's), (73, 18808), (74, 18814), (75, 18820), (88, 18883), (95, 18925), (114, 19003), (123, 19051), (128, 19075), (132, 19093), (133, 19099),

Gene: ThreeOh3D2_25 Start: 18684, Stop: 19106, Start Num: 39

Candidate Starts for ThreeOh3D2_25:

(25, 18618), (Start: 39 @18684 has 222 MA's), (73, 18807), (74, 18813), (75, 18819), (88, 18882), (95, 18924), (114, 19002), (123, 19050), (128, 19074), (132, 19092), (133, 19098),

Gene: Thunderbird_24 Start: 18384, Stop: 18806, Start Num: 39

Candidate Starts for Thunderbird_24:

(25, 18318), (Start: 39 @18384 has 222 MA's), (73, 18507), (74, 18513), (75, 18519), (88, 18582), (95, 18624), (114, 18702), (123, 18750), (128, 18774), (132, 18792), (133, 18798),

Gene: Tiamoceli_28 Start: 20458, Stop: 20889, Start Num: 54

Candidate Starts for Tiamoceli_28:

(19, 20290), (Start: 54 @20458 has 107 MA's), (72, 20542), (86, 20617), (106, 20737), (112, 20752), (124, 20812), (127, 20821), (135, 20860), (136, 20863),

Gene: TillyBobJoe_26 Start: 17354, Stop: 17797, Start Num: 54

Candidate Starts for TillyBobJoe_26:

(Start: 54 @17354 has 107 MA's), (101, 17615), (136, 17771),

Gene: Timmi_24 Start: 18395, Stop: 18817, Start Num: 39

Candidate Starts for Timmi_24:

(25, 18329), (Start: 39 @18395 has 222 MA's), (73, 18518), (74, 18524), (75, 18530), (88, 18593), (95, 18635), (114, 18713), (123, 18761), (128, 18785), (132, 18803), (133, 18809),

Gene: TinyTerror_26 Start: 19361, Stop: 19774, Start Num: 45

Candidate Starts for TinyTerror_26:

(Start: 45 @19361 has 58 MA's), (74, 19481), (75, 19487), (85, 19535), (97, 19619), (127, 19745),

Gene: Tissue_33 Start: 22386, Stop: 22790, Start Num: 50

Candidate Starts for Tissue_33:

(Start: 50 @22386 has 48 MA's), (53, 22398), (93, 22596), (95, 22617), (101, 22662), (104, 22671), (131, 22776), (133, 22785),

Gene: Togo_26 Start: 17570, Stop: 18013, Start Num: 54

Candidate Starts for Togo_26:

(Start: 54 @17570 has 107 MA's), (101, 17831), (136, 17987),

Gene: TomBombadil_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for TomBombadil_25:

(25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Tomlarah_25 Start: 18670, Stop: 19092, Start Num: 39

Candidate Starts for Tomlarah_25:

(25, 18604), (Start: 39 @18670 has 222 MA's), (73, 18793), (74, 18799), (75, 18805), (88, 18868), (95, 18910), (114, 18988), (123, 19036), (128, 19060), (132, 19078), (133, 19084),

Gene: Toni_24 Start: 18379, Stop: 18801, Start Num: 39

Candidate Starts for Toni_24:

(25, 18313), (Start: 39 @18379 has 222 MA's), (73, 18502), (74, 18508), (75, 18514), (88, 18577), (95, 18619), (114, 18697), (123, 18745), (128, 18769), (132, 18787), (133, 18793),

Gene: TooFast2Furius_26 Start: 18916, Stop: 19338, Start Num: 39

Candidate Starts for TooFast2Furius_26:

(25, 18850), (Start: 39 @18916 has 222 MA's), (73, 19039), (74, 19045), (75, 19051), (88, 19114), (95, 19156), (114, 19234), (123, 19282), (128, 19306), (132, 19324), (133, 19330),

Gene: Tooj_25 Start: 18681, Stop: 19103, Start Num: 39

Candidate Starts for Tooj_25:

(25, 18615), (Start: 39 @18681 has 222 MA's), (73, 18804), (74, 18810), (75, 18816), (88, 18879), (95, 18921), (114, 18999), (123, 19047), (128, 19071), (132, 19089), (133, 19095),

Gene: TraderJ_24 Start: 18607, Stop: 19017, Start Num: 41

Candidate Starts for TraderJ_24:

(Start: 41 @18607 has 23 MA's), (80, 18769), (83, 18781), (114, 18925),

Gene: Triad_25 Start: 17550, Stop: 17972, Start Num: 39

Candidate Starts for Triad_25:

(25, 17484), (Start: 39 @17550 has 222 MA's), (73, 17673), (74, 17679), (75, 17685), (88, 17748), (95, 17790), (114, 17868), (123, 17916), (128, 17940), (132, 17958), (133, 17964),

Gene: True_24 Start: 18383, Stop: 18805, Start Num: 39

Candidate Starts for True_24:

(25, 18317), (Start: 39 @18383 has 222 MA's), (73, 18506), (74, 18512), (75, 18518), (88, 18581), (95, 18623), (114, 18701), (123, 18749), (128, 18773), (132, 18791), (133, 18797),

Gene: Trypo_25 Start: 18672, Stop: 19094, Start Num: 38

Candidate Starts for Trypo_25:

(Start: 38 @18672 has 70 MA's), (73, 18795), (74, 18801), (75, 18807), (88, 18870), (95, 18912), (114, 18990), (123, 19038), (128, 19062), (132, 19080), (133, 19086),

Gene: Twister6_28 Start: 17997, Stop: 18440, Start Num: 54

Candidate Starts for Twister6_28:

(Start: 54 @17997 has 107 MA's), (101, 18258), (136, 18414),

Gene: Twonlo_25 Start: 19076, Stop: 19507, Start Num: 54

Candidate Starts for Twonlo_25:

(Start: 54 @19076 has 107 MA's), (72, 19160), (86, 19235), (106, 19355), (112, 19370), (124, 19430), (127, 19439), (135, 19478), (136, 19481),

Gene: Tycho_29 Start: 21827, Stop: 22261, Start Num: 54

Candidate Starts for Tycho_29:

(52, 21818), (Start: 54 @21827 has 107 MA's), (72, 21911), (86, 21986), (101, 22088), (107, 22109), (122, 22166), (124, 22181), (136, 22232),

Gene: Tydolla_26 Start: 20101, Stop: 20514, Start Num: 45

Candidate Starts for Tydolla_26:

(Start: 45 @20101 has 58 MA's), (74, 20221), (75, 20227), (85, 20275), (97, 20359), (127, 20485),

Gene: TyrionL_24 Start: 18236, Stop: 18658, Start Num: 38

Candidate Starts for TyrionL_24:

(Start: 38 @18236 has 70 MA's), (73, 18359), (74, 18365), (75, 18371), (88, 18434), (95, 18476), (114, 18554), (123, 18602), (128, 18626), (132, 18644), (133, 18650),

Gene: UAch1_25 Start: 18692, Stop: 19114, Start Num: 39

Candidate Starts for UAch1_25:

(25, 18626), (Start: 39 @18692 has 222 MA's), (73, 18815), (74, 18821), (75, 18827), (88, 18890), (95, 18932), (105, 18983), (114, 19010), (123, 19058), (128, 19082), (132, 19100), (133, 19106),

Gene: UncleHowie_25 Start: 18382, Stop: 18804, Start Num: 39

Candidate Starts for UncleHowie_25:

(25, 18316), (Start: 39 @18382 has 222 MA's), (73, 18505), (74, 18511), (75, 18517), (88, 18580), (95, 18622), (114, 18700), (123, 18748), (128, 18772), (132, 18790), (133, 18796),

Gene: Usavi_25 Start: 18683, Stop: 19105, Start Num: 39

Candidate Starts for Usavi_25:

(25, 18617), (Start: 39 @18683 has 222 MA's), (73, 18806), (74, 18812), (75, 18818), (88, 18881), (95, 18923), (105, 18974), (114, 19001), (123, 19049), (128, 19073), (132, 19091), (133, 19097),

Gene: Vaishali24_24 Start: 18341, Stop: 18763, Start Num: 38

Candidate Starts for Vaishali24_24:

(Start: 38 @18341 has 70 MA's), (73, 18464), (74, 18470), (75, 18476), (88, 18539), (95, 18581), (114, 18659), (123, 18707), (128, 18731), (132, 18749), (133, 18755),

Gene: Valary_29 Start: 18503, Stop: 18946, Start Num: 54

Candidate Starts for Valary_29:

(Start: 54 @18503 has 107 MA's), (101, 18764), (136, 18920),

Gene: Valjean_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for Valjean_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: VanDeWege_29 Start: 18378, Stop: 18821, Start Num: 54

Candidate Starts for VanDeWege_29:

(Start: 54 @18378 has 107 MA's), (101, 18639), (136, 18795),

Gene: Vaticameos_25 Start: 18373, Stop: 18795, Start Num: 39

Candidate Starts for Vaticameos_25:

(25, 18307), (Start: 39 @18373 has 222 MA's), (73, 18496), (74, 18502), (75, 18508), (88, 18571), (95, 18613), (114, 18691), (123, 18739), (128, 18763), (132, 18781), (133, 18787),

Gene: Veritas_24 Start: 18242, Stop: 18664, Start Num: 38

Candidate Starts for Veritas_24:

(Start: 38 @18242 has 70 MA's), (64, 18314), (73, 18365), (74, 18371), (75, 18377), (88, 18440), (95, 18482), (114, 18560), (123, 18608), (128, 18632), (132, 18650), (133, 18656),

Gene: Verity_29 Start: 23097, Stop: 23528, Start Num: 54

Candidate Starts for Verity_29:

(47, 23070), (Start: 54 @23097 has 107 MA's), (72, 23181), (76, 23211), (79, 23226), (86, 23256), (89, 23277), (101, 23358), (102, 23364), (112, 23391), (122, 23436), (124, 23451), (135, 23499), (136, 23502),

Gene: ViaConlectus_30 Start: 21588, Stop: 22019, Start Num: 54

Candidate Starts for ViaConlectus_30:

(Start: 34 @21528 has 1 MA's), (47, 21561), (Start: 54 @21588 has 107 MA's), (79, 21717), (86, 21747), (101, 21849), (102, 21855), (107, 21870), (122, 21927), (124, 21942), (135, 21990), (136, 21993),

Gene: Viceroy_32 Start: 21635, Stop: 22048, Start Num: 50

Candidate Starts for Viceroy_32:

(30, 21578), (Start: 50 @21635 has 48 MA's), (59, 21671), (82, 21794), (99, 21911), (104, 21926),

Gene: Vincenzo_24 Start: 20089, Stop: 20502, Start Num: 44

Candidate Starts for Vincenzo_24:

(29, 20038), (Start: 44 @20089 has 33 MA's), (74, 20209), (75, 20215), (91, 20290), (95, 20320), (113, 20395), (118, 20413), (133, 20494),

Gene: VioletZ_23 Start: 19392, Stop: 19805, Start Num: 44

Candidate Starts for VioletZ_23:

(Start: 44 @19392 has 33 MA's), (73, 19506), (74, 19512), (75, 19518), (82, 19554), (91, 19593), (94, 19605), (95, 19623), (127, 19770), (133, 19797),

Gene: Virapocalypse_25 Start: 18666, Stop: 19088, Start Num: 39

Candidate Starts for Virapocalypse_25:

(25, 18600), (Start: 39 @18666 has 222 MA's), (73, 18789), (74, 18795), (75, 18801), (88, 18864), (95, 18906), (114, 18984), (123, 19032), (128, 19056), (132, 19074), (133, 19080),

Gene: Virgeve_24 Start: 18408, Stop: 18830, Start Num: 38

Candidate Starts for Virgeve_24:

(Start: 38 @18408 has 70 MA's), (64, 18480), (73, 18531), (74, 18537), (75, 18543), (88, 18606), (95, 18648), (114, 18726), (123, 18774), (128, 18798), (132, 18816), (133, 18822),

Gene: Vista_25 Start: 18680, Stop: 19102, Start Num: 39

Candidate Starts for Vista_25:

(25, 18614), (Start: 39 @18680 has 222 MA's), (73, 18803), (74, 18809), (75, 18815), (88, 18878), (95, 18920), (105, 18971), (114, 18998), (123, 19046), (128, 19070), (132, 19088), (133, 19094),

Gene: Vivaldi_25 Start: 18710, Stop: 19132, Start Num: 39

Candidate Starts for Vivaldi_25:

(25, 18644), (Start: 39 @18710 has 222 MA's), (73, 18833), (74, 18839), (75, 18845), (88, 18908), (95, 18950), (114, 19028), (123, 19076), (128, 19100), (132, 19118), (133, 19124),

Gene: Vivi2_32 Start: 23909, Stop: 24343, Start Num: 54

Candidate Starts for Vivi2_32:

(Start: 44 @23879 has 33 MA's), (Start: 54 @23909 has 107 MA's), (72, 23993), (86, 24068), (90, 24092), (101, 24170), (107, 24191), (124, 24263), (136, 24314),

Gene: Vortex_25 Start: 18390, Stop: 18812, Start Num: 39

Candidate Starts for Vortex_25:

(25, 18324), (Start: 39 @18390 has 222 MA's), (73, 18513), (74, 18519), (75, 18525), (88, 18588), (95, 18630), (114, 18708), (123, 18756), (128, 18780), (132, 18798), (133, 18804),

Gene: Waleliano_23 Start: 19331, Stop: 19744, Start Num: 44

Candidate Starts for Waleliano_23:

(Start: 44 @19331 has 33 MA's), (73, 19445), (74, 19451), (75, 19457), (82, 19493), (91, 19532), (94, 19544), (95, 19562), (114, 19640), (127, 19709), (128, 19712), (133, 19736),

Gene: Wallhey_24 Start: 18240, Stop: 18662, Start Num: 38

Candidate Starts for Wallhey_24:

(Start: 38 @18240 has 70 MA's), (73, 18363), (74, 18369), (75, 18375), (88, 18438), (95, 18480), (114, 18558), (123, 18606), (128, 18630), (132, 18648), (133, 18654),

Gene: Waterdiva_25 Start: 18675, Stop: 19097, Start Num: 39

Candidate Starts for Waterdiva_25:

(25, 18609), (Start: 39 @18675 has 222 MA's), (73, 18798), (74, 18804), (75, 18810), (88, 18873), (95, 18915), (114, 18993), (123, 19041), (128, 19065), (132, 19083), (133, 19089),

Gene: Wayne3_34 Start: 22632, Stop: 23036, Start Num: 50

Candidate Starts for Wayne3_34:

(30, 22575), (Start: 50 @22632 has 48 MA's), (59, 22668), (93, 22842), (95, 22863), (101, 22908), (104, 22917), (131, 23022), (133, 23031),

Gene: Weher20_25 Start: 18668, Stop: 19090, Start Num: 38

Candidate Starts for Weher20_25:

(Start: 38 @18668 has 70 MA's), (73, 18791), (74, 18797), (75, 18803), (88, 18866), (95, 18908), (114, 18986), (123, 19034), (128, 19058), (132, 19076), (133, 19082),

Gene: WheelerS25_38 Start: 23392, Stop: 23796, Start Num: 50

Candidate Starts for WheelerS25_38:

(30, 23335), (Start: 50 @23392 has 48 MA's), (93, 23602), (95, 23623), (101, 23668), (104, 23677), (131, 23782), (133, 23791),

Gene: Wheelie_32 Start: 21950, Stop: 22354, Start Num: 50

Candidate Starts for Wheelie_32:

(30, 21893), (Start: 50 @21950 has 48 MA's), (59, 21986), (93, 22160), (95, 22181), (101, 22226), (104, 22235), (131, 22340), (133, 22349),

Gene: Wilca_32 Start: 20827, Stop: 21222, Start Num: 49

Candidate Starts for Wilca_32:

(Start: 49 @20827 has 12 MA's), (61, 20869), (65, 20878), (82, 20986), (110, 21127), (126, 21196), (130, 21214),

Gene: Windsor_24 Start: 18360, Stop: 18782, Start Num: 38

Candidate Starts for Windsor_24:

(Start: 38 @18360 has 70 MA's), (64, 18432), (73, 18483), (74, 18489), (75, 18495), (88, 18558), (95, 18600), (114, 18678), (123, 18726), (128, 18750), (132, 18768), (133, 18774),

Gene: Wizard_26 Start: 17704, Stop: 18147, Start Num: 54

Candidate Starts for Wizard_26:

(Start: 54 @17704 has 107 MA's), (101, 17965), (136, 18121),

Gene: Wooper_24 Start: 18613, Stop: 19023, Start Num: 41

Candidate Starts for Wooper_24:

(Start: 41 @18613 has 23 MA's), (80, 18775), (83, 18787), (114, 18931),

Gene: Xavier_24 Start: 18393, Stop: 18815, Start Num: 39

Candidate Starts for Xavier_24:

(25, 18327), (Start: 39 @18393 has 222 MA's), (73, 18516), (74, 18522), (75, 18528), (88, 18591), (95, 18633), (114, 18711), (123, 18759), (128, 18783), (132, 18801), (133, 18807),

Gene: Xincheng_22 Start: 18792, Stop: 19205, Start Num: 44

Candidate Starts for Xincheng_22:

(Start: 44 @18792 has 33 MA's), (73, 18906), (74, 18912), (75, 18918), (82, 18954), (91, 18993), (94, 19005), (95, 19023), (105, 19074), (114, 19101), (127, 19170), (128, 19173), (133, 19197),

Gene: Yago84_22 Start: 17516, Stop: 17929, Start Num: 41

Candidate Starts for Yago84_22:

(Start: 41 @17516 has 23 MA's), (62, 17585), (75, 17651), (85, 17699), (103, 17807), (127, 17906),

Gene: Yahalom_26 Start: 19376, Stop: 19789, Start Num: 45

Candidate Starts for Yahalom_26:

(Start: 45 @19376 has 58 MA's), (74, 19496), (75, 19502), (85, 19550), (97, 19634), (127, 19760),

Gene: Yeshua_24 Start: 18590, Stop: 19000, Start Num: 41

Candidate Starts for Yeshua_24:

(Start: 41 @18590 has 23 MA's), (80, 18752), (83, 18764), (114, 18908),

Gene: Yinz_26 Start: 19402, Stop: 19815, Start Num: 45

Candidate Starts for Yinz_26:

(Start: 45 @19402 has 58 MA's), (66, 19477), (74, 19522), (75, 19528), (97, 19660), (127, 19786),

Gene: YorkOnyx_30 Start: 22083, Stop: 22517, Start Num: 50

Candidate Starts for YorkOnyx_30:

(Start: 50 @22083 has 48 MA's), (68, 22137), (72, 22167), (88, 22257), (89, 22263), (101, 22344), (107, 22365), (124, 22437), (136, 22488),

Gene: Yoshand_25 Start: 18682, Stop: 19104, Start Num: 39

Candidate Starts for Yoshand_25:

(25, 18616), (Start: 39 @18682 has 222 MA's), (73, 18805), (74, 18811), (75, 18817), (88, 18880), (95, 18922), (114, 19000), (123, 19048), (128, 19072), (132, 19090), (133, 19096),

Gene: YouGoGlencoco_25 Start: 18671, Stop: 19093, Start Num: 39

Candidate Starts for YouGoGlencoco_25:

(25, 18605), (Start: 39 @18671 has 222 MA's), (73, 18794), (74, 18800), (75, 18806), (88, 18869), (95, 18911), (114, 18989), (123, 19037), (128, 19061), (132, 19079), (133, 19085),

Gene: YungMoney_28 Start: 19070, Stop: 19513, Start Num: 54

Candidate Starts for YungMoney_28:

(Start: 54 @19070 has 107 MA's), (136, 19487),

Gene: Zagie_33 Start: 22073, Stop: 22486, Start Num: 50

Candidate Starts for Zagie_33:

(30, 22016), (Start: 50 @22073 has 48 MA's), (82, 22232), (99, 22349), (104, 22364),

Gene: Zaider_26 Start: 18907, Stop: 19329, Start Num: 39

Candidate Starts for Zaider_26:

(25, 18841), (Start: 39 @18907 has 222 MA's), (73, 19030), (74, 19036), (75, 19042), (88, 19105), (95, 19147), (114, 19225), (123, 19273), (128, 19297), (132, 19315), (133, 19321),

Gene: Zelda_25 Start: 18676, Stop: 19098, Start Num: 39

Candidate Starts for Zelda_25:

(25, 18610), (Start: 39 @18676 has 222 MA's), (73, 18799), (74, 18805), (75, 18811), (88, 18874), (95, 18916), (114, 18994), (123, 19042), (128, 19066), (132, 19084), (133, 19090),

Gene: Zemanar_24 Start: 19331, Stop: 19744, Start Num: 44

Candidate Starts for Zemanar_24:

(Start: 44 @19331 has 33 MA's), (73, 19445), (74, 19451), (75, 19457), (82, 19493), (91, 19532), (94, 19544), (95, 19562), (114, 19640), (127, 19709), (128, 19712), (133, 19736),

Gene: Zenteno07_29 Start: 19112, Stop: 19528, Start Num: 43

Candidate Starts for Zenteno07_29:

(Start: 43 @19112 has 20 MA's), (74, 19235), (78, 19265), (79, 19268), (114, 19424), (118, 19439), (133, 19520),

Gene: Zhafia_35 Start: 22428, Stop: 22832, Start Num: 50

Candidate Starts for Zhafia_35:

(30, 22371), (Start: 50 @22428 has 48 MA's), (59, 22464), (93, 22638), (95, 22659), (101, 22704), (104, 22713), (131, 22818), (133, 22827),

Gene: Zipp_29 Start: 22994, Stop: 23425, Start Num: 54

Candidate Starts for Zipp_29:

(47, 22967), (Start: 54 @22994 has 107 MA's), (76, 23108), (79, 23123), (86, 23153), (89, 23174), (101, 23255), (102, 23261), (112, 23288), (122, 23333), (124, 23348), (135, 23396), (136, 23399),

Gene: Zitch_31 Start: 20868, Stop: 21299, Start Num: 54

Candidate Starts for Zitch_31:

(47, 20841), (Start: 54 @20868 has 107 MA's), (72, 20952), (79, 20997), (86, 21027), (89, 21048),
(101, 21129), (102, 21135), (107, 21150), (122, 21207), (124, 21222), (135, 21270), (136, 21273),

Gene: Zonia_25 Start: 18690, Stop: 19112, Start Num: 38

Candidate Starts for Zonia_25:

(Start: 38 @18690 has 70 MA's), (73, 18813), (74, 18819), (75, 18825), (88, 18888), (95, 18930), (114,
19008), (123, 19056), (128, 19080), (132, 19098), (133, 19104),