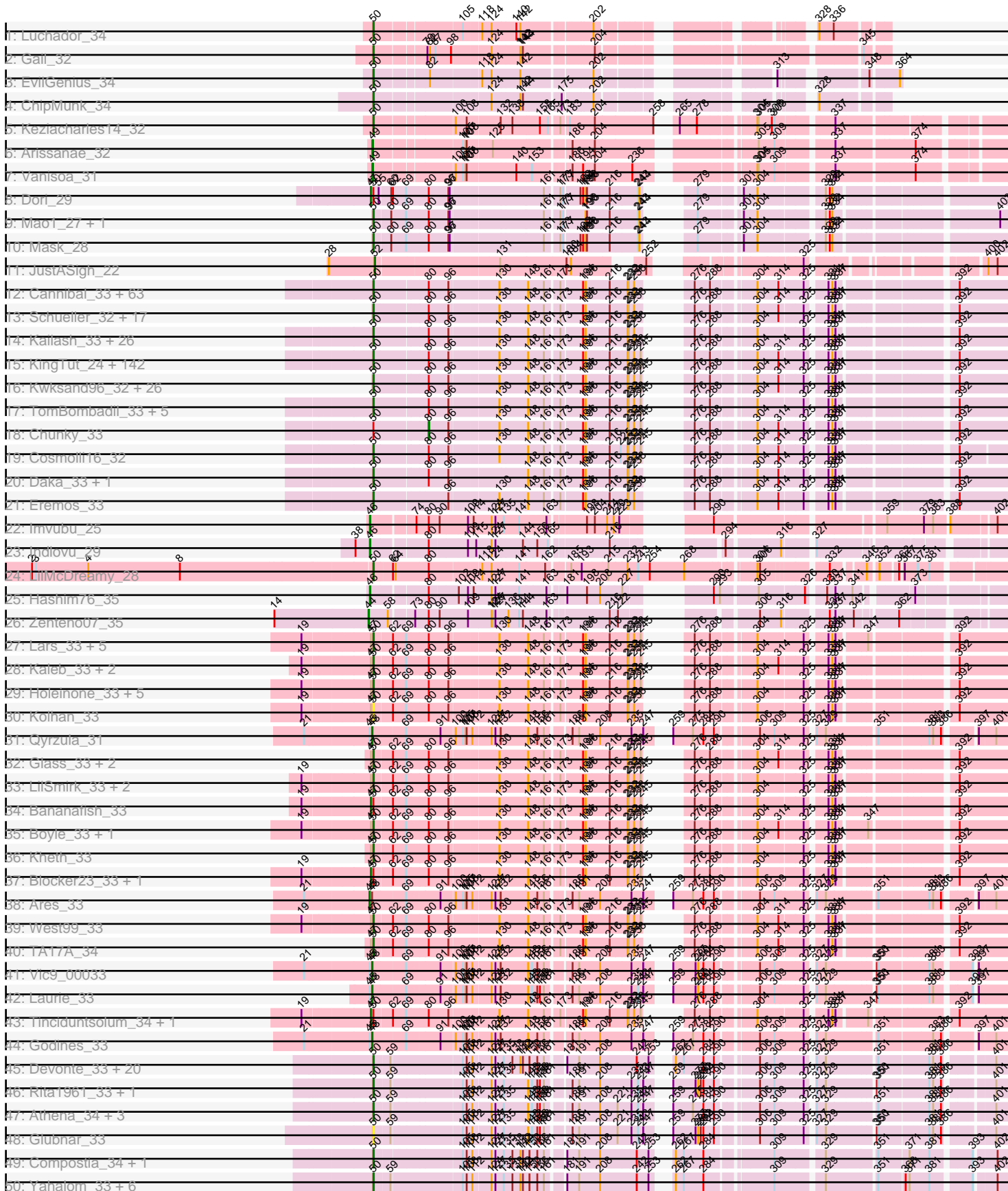
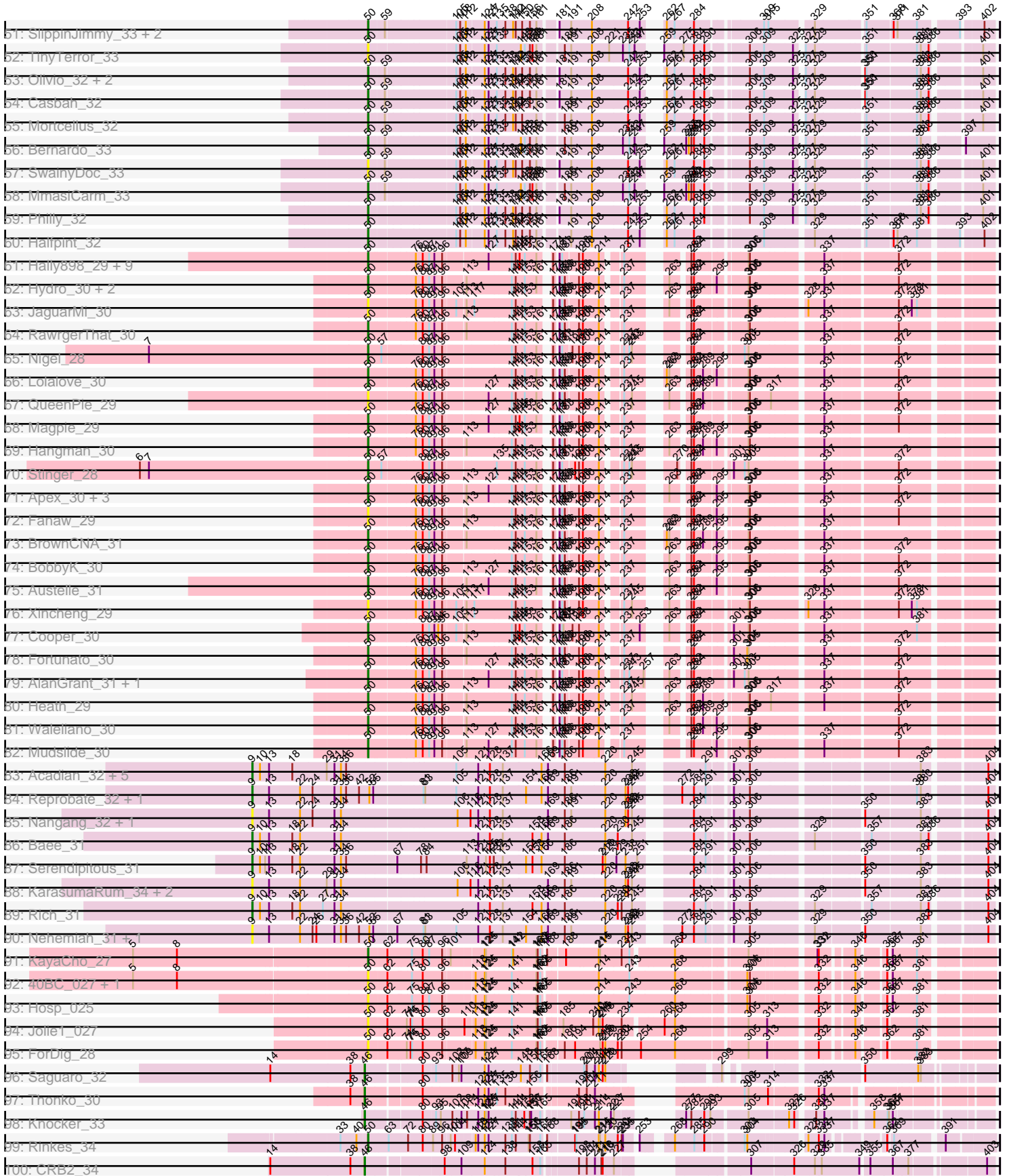


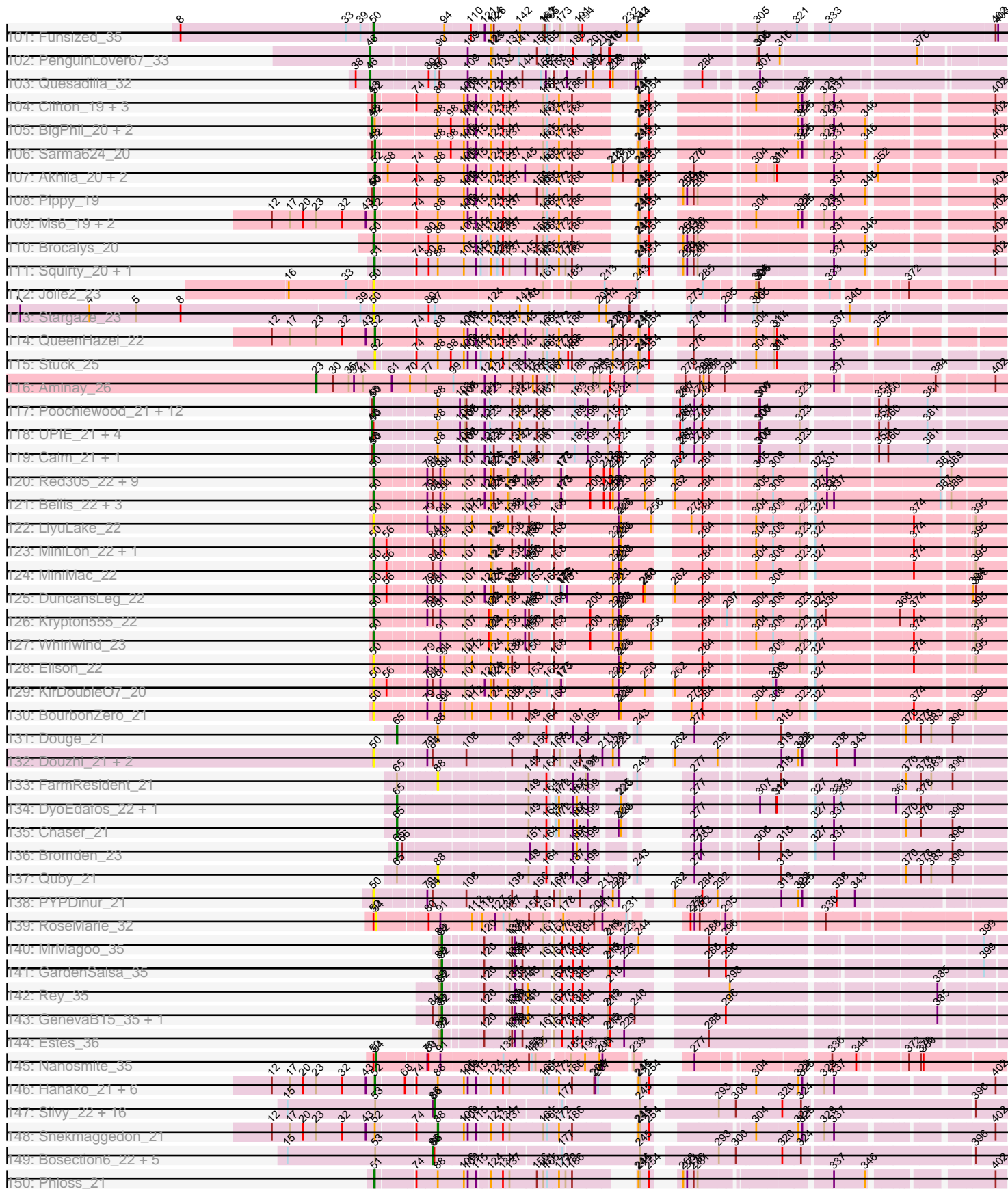
Pham 224142



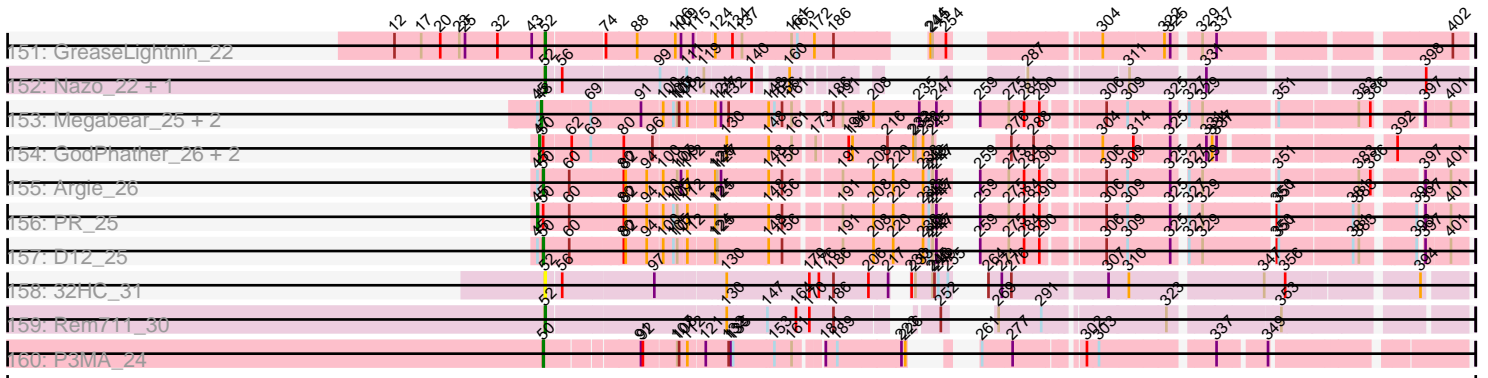
Pham 224142



Pham 224142



Pham 224142



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 224142 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224142 has 597 members, 87 are drafts.

Phages represented in each track:

- Track 1 : Luchador_34
- Track 2 : Gail_32
- Track 3 : EvilGenius_34
- Track 4 : ChipMunk_34
- Track 5 : Keziacharles14_32
- Track 6 : Arissanae_32
- Track 7 : Vanisoa_31
- Track 8 : Dori_29
- Track 9 : Mao1_27, Sejanus_28
- Track 10 : Mask_28
- Track 11 : JustASigh_22
- Track 12 : Cannibal_33, Manad_32, Morgushi_33, Chute_32, Podrick_33, UAch1_33, Schadenfreude_32, Timmi_32, PhrodoBaggins_32, Megatron_33, LeeLot_33, Robyn_32, PinheadLarry_33, Lopsy_32, Tooj_33, ProfessorX_33, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Kloppinator_33, Colbert_33, SilverBell_33, Zelda_33, EmpTee_33, ShiVal_33, DonSanchon_32, Legolas_32, Carthage_31, Hocus_32, Brilliant_33, Skippy_33, Coletti_32, Antonia_32, Daffy_33, Squid_33, Morty_33, Roscoe_34, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Phleuron_32, Aelin_32, DelRivs_32, Gwennie1_33, Spartan300_33, Suffolk_33, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, SirBeauregard_33, Keitherie_33, Olive_33, Soile_33, Mulan_32, Thora_33, Valjean_33, Quisquiliae_33
- Track 13 : Schueller_32, Gophee_33, Puhltonio_33, Phipps_33, Andre_33, Beaglebox_32, Telesworld_32, Riggan_33, Apizium_32, Altwerkus_32, Plmatters_33, DoesntMatter_33, Fringe_33, Numberten_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
- Track 14 : Kailash_33, Dati_33, LostAndPhound_32, Potter_32, Mag7_32, CampRoach_33, Jiminy_32, Caspiroi_34, Phergie_32, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, Hartsy_33, Weher20_33, PhatLouie_33, Melc17_33, PhrankReynolds_32, PhenghisKhan_32, MitKao_33, Xavier_32, Mosaic_32, DuchessDung_31, BatteryCK_32, Oline_32, Iridessa_33, MichaelPhcott_32
- Track 15 : KingTut_24, Mana_32, Freya_32, Olak_32, Childish_32, Vaticameos_33, Sigman_33, Scoot17C_33, BlackStallion_33, Lasso_33, Mesh1_33, Mecca_32, Sheila_33, Samaymay_33, IsaacEli_33, Haleema_32, Scrick_33, Bishoperium_32, Lulumae_32, AltPhacts_33, Craff_33, Orion_33, Lulwa_33, Ricotta_32, Dingo_33, FriarPreacher_33, Murdoc_33, Bluephacebaby_32, Kwadwo_32, Pacifista_32, Roliet_33, Tomlarah_33, Charles1_33, GeneCoco_33, Hertubise_33, Omniscient_33,

Banjo_32, Badfish_33, Adriana_33, Phareon_33, Held_33, Lego3393_33, Giraffe_33, Kimbrough_33, Lumine_32, Oosterbaan_33, Longacauda_32, Nyala_32, Matalotodo_33, KingVeVeVe_33, Kahve_32, Usavi_33, LeiMonet_33, YouGoGlencoco_33, Inverness_33, LemonSlice_33, MRabcd_32, LuckyMarjie_32, HighStump_32, HSavage_33, DirtJuice_33, Basato_34, Frankicide_33, Mcshane_32, Dice_32, Cher_32, PG1_33, JacAttac_33, Dione_32, Plata_33, Eugenia_33, Katniss_33, Squiggle_33, HenryJackson_32, True_32, Megamind20_33, PhatCats2014_33, Soto_33, Simielle_32, Piglet_0032, Zaider_34, CamL_33, Phunky_33, Phamished_33, FugateOSU_32, ABU_33, BlueHusk_33, Pinkman_32, Orfeu_32, Hamish_33, Nathan_34, OliverWalter_33, Vista_33, Mesmerelda_33, Yoshand_33, FluffyNinja_33, Toni_32, QueenBeane_33, Mutante_32, TallGrassMM_33, Serendipity_33, Roy17_33, Nacho_0033, Labeouficaum_32, CheetO_33, Placalicious_32, Serpentine_0033, KlimbOn_33, Haimas_33, TooFast2Furius_34, Mikota_33, Waterdiva_33, Jillium_32, Nicole21_33, Grand2040_32, Jesabah_33, Solosis_32, ThreeOh3D2_33, Selr12_33, Maru_32, Kikipoo_33, Inchworm_33, UncleHowie_33, MiniBoss_33, Prickles_33, Pherdinand_33, Orwigg_32, Horchata_33, Derpp_32, Magic8_33, TyrionL_32, Zonia_33, Boehler_33, KLucky39_33, AbsoluteMadLad_32, Buckeye_33, Swish_33, Pipsqueak_33, SDcharge11_33, Fang_33, Duggie_32, Wallhey_32, Chipette_34

- Track 16 : Kwksand96_32, Durga_33, MelsMeow_32, Ashraf_32, Emiris_33, Cobra_33, JDog_32, Fozzie_32, Pops_33, ElvisPhasley_33, Gyarad_0033, Cornbread_33, OSmaximus_33, Gwilliam_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32, Khan1_33, CharlieGBrown_32, Rimu_34, Crownjwl_33, MrPhizzler_32, Maskar_32, Riverton_32, AngelCake_32, Gareth_32
- Track 17 : TomBombadil_33, JakeO_32, Struggle_32, Jiraiya_32, DaddyDaniels_33, Thunderbird_32
- Track 18 : Chunky_33
- Track 19 : Cosmolli16_32
- Track 20 : Daka_33, Cornobble_32
- Track 21 : Eremos_33
- Track 22 : Imvubu_25
- Track 23 : Indlovu_29
- Track 24 : LilMcDreamy_28
- Track 25 : Hashim76_35
- Track 26 : Zenteno07_35
- Track 27 : Lars_33, Rosebush_33, Allegro_33, Arbiter_33, Hedgerow_33, FrenchFry_33
- Track 28 : Kaleb_33, Eaglehorse_33, LizLemon_33
- Track 29 : Holeinone_33, PrinceCharming_33, Coffee_33, Opia_33, Sabella_33, Tres_33
- Track 30 : Kolhan_33
- Track 31 : Qyrzula_31
- Track 32 : Glass_33, Phantasmagoria_33, Faze9_33
- Track 33 : LilSmirk_33, ItsyBitsy1_33, Calamitous_33
- Track 34 : Bananafish_33
- Track 35 : Boyle_33, Rhinoforte_33
- Track 36 : Kheth_33
- Track 37 : Blocker23_33, Lephleur_33
- Track 38 : Ares_33
- Track 39 : West99_33
- Track 40 : TA17A_34
- Track 41 : Vic9_00033
- Track 42 : Laurie_33

- Track 43 : Tinciduntolum_34, Brownie5_33
- Track 44 : Godines_33
- Track 45 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, OrangeOswald_33, Heathcliff_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, Shenandoah_33, RagingRooster_33, Chentzyk_32, Audrey_33, SynergyX_33, Neos5_33, Daisy_33, Chalmers_33
- Track 46 : Rita1961_33, Obutu_33
- Track 47 : Athena_34, Gervas_33, Tydolla_33, Baloo_33
- Track 48 : Glubnar_33
- Track 49 : Compostia_34, GlenHope_34
- Track 50 : Yahalom_33, Phlyer_33, Jackstina_30, Gadget_34, Phaedrus_31, Marlia_33, HarveySr_33
- Track 51 : SlippinJimmy_33, Yinz_33, Kamiyu_33
- Track 52 : TinyTerror_33
- Track 53 : Olivio_32, Ben11_32, Kronus_32
- Track 54 : Casbah_32
- Track 55 : Mortcellus_32
- Track 56 : Bernardo_33
- Track 57 : SwainyDoc_33
- Track 58 : MmasiCarm_33
- Track 59 : Philly_32
- Track 60 : Halfpint_32
- Track 61 : Hally898_29, Antihero_29, Ahwei_29, Poster_29, JAMaL_30, ChrisnMich_29, Lambano_29, Epah_29, GinPorsche_29, Nanao_29
- Track 62 : Hydro_30, Mithril_30, Zemanar_31
- Track 63 : JaguarMi_30
- Track 64 : RawrgerThat_30
- Track 65 : Nigel_28
- Track 66 : Lolalove_30
- Track 67 : QueenPie_29
- Track 68 : Magpie_29
- Track 69 : Hangman_30
- Track 70 : Stinger_28
- Track 71 : Apex_30, VioletZ_30, Prince_30, Frederick_30
- Track 72 : Fanaw_29
- Track 73 : BrownCNA_31
- Track 74 : BobbyK_30
- Track 75 : Austelle_31
- Track 76 : Xincheng_29
- Track 77 : Cooper_30
- Track 78 : Fortunato_30
- Track 79 : AlanGrant_31, Vincenzo_31
- Track 80 : Heath_29
- Track 81 : Waleliano_30
- Track 82 : Mudslide_30
- Track 83 : Acadian_32, Rita130_32, EastView9101_31, Donny_32, SirJeffery_32, Suigeneris_32
- Track 84 : Reprobate_32, Phelemich_32
- Track 85 : Nangang_32, DigitDog_32
- Track 86 : Bae_31
- Track 87 : Serendipitous_31
- Track 88 : KarasumaRum_34, Shenyu_32, StinkyVeggy_34
- Track 89 : Rich_31

- Track 90 : Nehemiah_31, Mysterious_33
- Track 91 : KayaCho_27
- Track 92 : 40BC_027, 39HC_027
- Track 93 : Hosp_025
- Track 94 : Jolie1_027
- Track 95 : ForDig_28
- Track 96 : Saguaro_32
- Track 97 : Thonko_30
- Track 98 : Knocker_33
- Track 99 : Rinkes_34
- Track 100 : CRB2_34
- Track 101 : Funsized_35
- Track 102 : PenguinLover67_33
- Track 103 : Quesadilla_32
- Track 104 : Clifton_19, LastJedi_19, Crumble_19, Koella_19
- Track 105 : BigPhil_20, Cerasum_20, Velveteen_20
- Track 106 : Sarma624_20
- Track 107 : Akhila_20, Xula_21, MilanaBonita_20
- Track 108 : Pippy_19
- Track 109 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 110 : Brocalys_20
- Track 111 : Squirty_20, Fulbright_21
- Track 112 : Jolie2_23
- Track 113 : Stargaze_23
- Track 114 : QueenHazel_22
- Track 115 : Stuck_25
- Track 116 : Aminay_26
- Track 117 : Poochiewood_21, Tyson_21, Wamburggrxpress_21, Silverleaf_21, AvadaKedavra_21, Acquire49_21, OhShagHennessy_21, Enceladus_21, Rose5_21, Halena_21, Wyatt2_21, MAckerman_21, DirkDirk_21
- Track 118 : UPIE_21, LeBron_21, Appletree2_21, CicholasNage_21, JoeDirt_21
- Track 119 : Calm_21, Zaria_21
- Track 120 : Red305_22, Jubie_22, Lumos_22, Snenia_22, TriFive_22, Nicholas_22, Kingsolomon_22, Clautastrophe_22, MsGreen_22, Jobypre_22
- Track 121 : Bellis_22, Finnry_22, Moostard_22, Samty_22
- Track 122 : LiyuLake_22
- Track 123 : MiniLon_22, Lolly9_22
- Track 124 : MiniMac_22
- Track 125 : DuncansLeg_22
- Track 126 : Krypton555_22
- Track 127 : Whirlwind_23
- Track 128 : Ellson_22
- Track 129 : KirDoubleO7_20
- Track 130 : BourbonZero_21
- Track 131 : Douge_21
- Track 132 : Douzhi_21, Sheng711_21, BrainDrainer_22
- Track 133 : FarmResident_21
- Track 134 : DyoEdafos_22, Kropertea_21
- Track 135 : Chaser_21
- Track 136 : Bromden_23
- Track 137 : Quby_21
- Track 138 : PYPDinur_21
- Track 139 : RoseMarie_32

- Track 140 : MrMagoo_35
- Track 141 : GardenSalsa_35
- Track 142 : Rey_35
- Track 143 : GenevaB15_35, Aziz_35
- Track 144 : Estes_36
- Track 145 : Nanosmite_35
- Track 146 : Hanako_21, Redi_21, Nenae_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
- Track 147 : Silvy_22, Magsby_22, Schnauzer_22, Xerxes_22, Duplicity_22, Journey_22, Melville_22, Tapioca_22, Gex_22, MulchSalad_20, EGUunicorn_23, Chewbacca_22, Silvafighter_22, ParmesanJohn_22, LilSpotty_25, Tortoise12_22, Smurph_22
- Track 148 : Snekmaggedon_21
- Track 149 : Bosection6_22, Philonius_22, Charlie_22, Carcharodon_22, Aggie_22, Pipsqueaks_22
- Track 150 : Phloss_21
- Track 151 : GreaseLightnin_22
- Track 152 : Nazo_22, BigNuz_22
- Track 153 : Megabear_25, Cepens_25, Taptic_25
- Track 154 : GodPhather_26, MasterPo_33, Jeon_25
- Track 155 : Argie_26
- Track 156 : PR_25
- Track 157 : D12_25
- Track 158 : 32HC_31
- Track 159 : Rem711_30
- Track 160 : P3MA_24

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

The start number called the most often in the published annotations is 50, it was called in 403 of the 510 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_027, 40BC_027, ABU_33, Abinghost_33, AbsoluteMadLad_32, Acquire49_21, Adriana_33, Aelin_32, Ahwei_29, Akoma_33, AlanGrant_31, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, AngelCake_32, Antihero_29, Antonia_32, Apex_30, Apizium_32, Arbiter_33, Argie_26, Ashraf_32, Athena_34, Audrey_33, Austelle_31, AvadaKedavra_21, Badfish_33, Baloo_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bellis_22, Ben11_32, Bernardo_33, Bishoperium_32, BlackStallion_33, BlueHusk_33, Bluephacebaby_32, BobbyK_30, Boehler_33, BourbonZero_21, Boyle_33, BrainDrainer_22, Brilliant_33, Brocalys_20, BrownCNA_31, Buckeye_33, Burr_32, Calamitous_33, Calm_21, CamL_33, CampRoach_33, Cannibal_33, Carthage_31, Casbah_32, CaspiBoi_34, ChaChing_33, Chaelin_33, Chah_34, Chalmers_33, Chandler_33, Charles1_33, CharlieGBrown_32, CheetO_33, Chentzyk_32, Cher_32, Childish_32, ChipMunk_34, Chipette_34, Chorkpop_33, ChrisnMich_29, Chute_32, Clautastrophe_22, Cobra_33, Coffee_33, Colbert_33, Coletti_32, Compostia_34, Cooper_30, Cornbread_33, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, D12_25, DaddyDaniels_33, Daffy_33, Daisy_33, Daka_33, Dati_33, Deenasa_33, DelRivs_32, Derpp_32, Devonte_33, Dice_32, Dingo_33, Dione_32, DirkDirk_21, DirtJuice_33,

Doddsville_33, DoesntMatter_33, DonSanchon_32, Douzhi_21, DuchessDung_31, Duggie_32, DuncansLeg_22, Durga_33, Eaglehorse_33, Ellson_22, ElvisPhasley_33, Emiris_33, EmpTee_33, Enceladus_21, Epah_29, Eremos_33, Etaye_33, Eugenia_33, EvilGenius_34, Fanaw_29, Fang_33, Faze9_33, Finnry_22, FluffyNinja_33, ForDig_28, Fortunato_30, Fozzie_32, Frankicide_33, Frederick_30, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Funsized_35, Gadget_34, Gail_32, Gareth_32, GeneCoco_33, Gervas_33, GinPorsche_29, Giraffe_33, Glass_33, GlenHope_34, Glubnar_33, Gophee_33, Grand2040_32, Gwennie1_33, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Halena_21, Halfpint_32, Hally898_29, Hamish_33, Hangman_30, Hartsy_33, HarveySr_33, Harvey_33, Heath_29, Heathcliff_33, Hedgerow_33, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, Holeinone_33, Horchata_33, Hosp_025, Hydro_30, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridessa_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JAMaL_30, JDog_32, JacAttac_33, Jackstina_30, JaguarMi_30, JakeO_32, JangoPhett_33, Jesabah_33, Jillium_32, Jiminy_32, Jiraiya_32, Jobypre_22, Jolie1_027, Jolie2_23, Jubie_22, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Kamiyu_33, Katniss_33, KayaCho_27, Keitherie_33, Keziacharles14_32, Khan1_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, Kingsolomon_22, KirDoubleO7_20, KlimbOn_33, Kloppinator_33, Kolhan_33, Kronus_32, Krypton555_22, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lambano_29, Lars_33, LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_33, LestyG_33, LilMcDreamy_28, LilSmirk_33, LiyuLake_22, LizLemon_33, Lolalove_30, Lolly9_22, Longacauda_32, Lopsy_32, LostAndPhound_32, Luchador_34, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, Lumos_22, MAckerman_21, MRabcd_32, Mag7_32, Magic8_33, Magpie_29, Mana_32, Manad_32, Mao1_27, Marley1013_33, Marlia_33, Maru_32, Mask_28, Maskar_32, Matalotodo_33, Mcshane_32, Mecca_32, Megamind20_33, Megatron_33, Melc17_33, MelsMeow_32, Mesh1_33, Mesmerelda_33, MichaelPhcott_32, Mikota_33, MiniBoss_33, MiniLon_22, MiniMac_22, MitKao_33, Mithril_30, MmasiCarm_33, Moostard_22, Morgushi_33, Mortcellus_32, Morty007_33, Morty_33, Mosaic_32, MrPhizzler_32, MsGreen_22, Mudslide_30, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Nanao_29, Nathan_34, Neos5_33, Newman_33, Nicholas_22, Nicole21_33, Nigel_28, Nozo_33, Numberten_33, Nyala_32, OSmaximus_33, Obutu_33, OhShagHennessy_21, Olak_32, Oline_32, Olive_33, OliverWalter_33, Olivio_32, Omniscient_33, Oosterbaan_33, Opia_33, OrangeOswald_33, Orfeu_32, Orion_33, Orwigg_32, P3MA_24, PG1_33, PYPDinur_21, Pacifista_32, Phaedrus_31, Phamished_33, Phantasmagoria_33, Phareon_33, PhatCats2014_33, PhatLouie_33, Phenghiskhan_32, Pherdinand_33, Phergie_32, Philly_32, Phipps_33, Phleuron_32, Phlyer_33, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, Piglet_0032, PinheadLarry_33, Pinkman_32, Pippy_19, Pipsqueak_33, Placalicious_32, Plata_33, Plmatters_33, Podrick_33, Poochiewood_21, Pops_33, Poster_29, Potter_32, Prickles_33, PrinceCharming_33, Prince_30, ProfessorX_33, Puhltonio_33, QueenBeane_33, QueenPie_29, Quisquilliae_33, RagingRooster_33, RawrgerThat_30, Red305_22, RedMaple_32, Rhinoforte_33, Ricotta_32, Riggan_33, Rimu_34, Rinkes_34, Rita1961_33, Riverton_32, Robyn_32, Roliet_33, RomaT_33, Roscoe_34, Rose5_21, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, Samty_22, SassyCat97_32, Schadenfreude_32, Schueller_32, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, Shenandoah_33, Sheng711_21, ShiVal_33, Sigman_33, SilverBell_33, Silverleaf_21, Simielle_32, SirBeauregard_33, Skippy_33, Slatt_33, SlippinJimmy_33, Snenia_22, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33,

Squiggle_33, Stargaze_23, Stinger_28, Struggle_32, Suffolk_33, Surely_33, SwainyDoc_33, Swiphy_34, Swish_33, SynergyX_33, TA17A_34, TallGrassMM_33, Telesworld_32, Thora_33, ThreeOh3D2_33, Thunderbird_32, Timmi_32, TinyTerror_33, TomBombadil_33, Tomlarah_33, Toni_32, TooFast2Furius_34, Tooj_33, Tres_33, TriFive_22, True_32, Trypo_33, Tydolla_33, TyrionL_32, Tyson_21, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Veritas_32, Vincenzo_31, VioletZ_30, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Waleliano_30, Wallhey_32, Wamburgexpress_21, Waterdiva_33, Weher20_33, West99_33, Whirlwind_23, Windsor_32, Wyatt2_21, Xavier_32, Xincheng_29, Yahalom_33, Yinz_33, Yoshand_33, YouGoGlencoco_33, Zaider_34, Zaria_21, Zelda_33, Zemanar_31, Zonia_33,

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

- Appletree2_21, Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, CicholasNage_21, Dori_29, GodPhather_26, Jeon_25, JoeDirt_21, LeBron_21, Lephleur_33, MasterPo_33, Nanosmite_35, PR_25, RoseMarie_32, Tinciduntolum_34, UPIE_21,

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

- 32HC_31, Acadian_32, Aggie_22, Akhila_20, Aminay_26, Ares_33, Arissanae_32, Aziz_35, BabeRuth_21, Bae_31, BigNuz_22, BigPhil_20, Bosection6_22, Bromden_23, CRB2_34, Carcharodon_22, Cepens_25, Cerasum_20, Charlie_22, Chaser_21, Chewbacca_22, Clifton_19, Crumble_19, DigitDog_32, Donny_32, Douge_21, Duplicity_22, DyoEdafos_22, EGUunicorn_23, EastView9101_31, Estes_36, FarmResident_21, Fulbright_21, GardenSalsa_35, GenevaB15_35, Gex_22, Godines_33, GreaseLightnin_22, Hanako_21, Hashim76_35, Imvubu_25, Indlovu_29, Jamie19_21, Journey_22, JustASigh_22, KarasumaRum_34, Knocker_33, Koella_19, Kropertea_21, LastJedi_19, Laurie_33, LilSpotty_25, Magsby_22, Megabear_25, Melville_22, MilanaBonita_20, MrMagoo_35, Ms6_19, MulchSalad_20, Mysterious_33, Nangang_32, Nazo_22, Nehemiah_31, Nenae_21, Parmesanjohn_22, PenguinLover67_33, PhancyPhin_21, Phelemich_32, Philonius_22, Phloss_21, Pipsqueaks_22, Purgamenstris_21, Quby_21, QueenHazel_22, Quesadilla_32, Qyrzula_31, Redi_21, Rem711_30, Reprobate_32, Rey_35, Rich_31, Rita130_32, Saguario_32, Sarma624_20, Schnauzer_22, Serendipitous_31, Shenyu_32, ShrimpFriedEgg_21, Silvafighter_22, Silvy_22, SirJeffery_32, Smurph_22, Snekmaggon_21, SpongeBob_21, Squirty_20, StinkyVeggy_34, Stuck_25, Suigeneris_32, Tapioca_22, Taptic_25, Thonko_30, Tortoise12_22, Vanisoa_31, Velveteen_20, Vic9_00033, Xerxes_22, Xula_21, Zenteno07_35,

Summary by start number:

Start 9:

- Found in 18 of 597 (3.0%) of genes in pham
- Manual Annotations of this start: 9 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_32 (B5), Bae_31 (B5), DigitDog_32 (B5), Donny_32 (B5), EastView9101_31 (B5), KarasumaRum_34 (B5), Mysterious_33 (B5), Nangang_32 (B5), Nehemiah_31 (B5), Phelemich_32 (B5), Reprobate_32 (B5), Rich_31 (B5), Rita130_32 (B5), Serendipitous_31 (B5), Shenyu_32 (B5), SirJeffery_32 (B5), StinkyVeggy_34 (B5), Suigeneris_32 (B5),

Start 23:

- Found in 14 of 597 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Aminay_26 (K7),

Start 44:

- Found in 1 of 597 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07_35 (B13),

Start 45:

- Found in 11 of 597 (1.8%) of genes in pham
- Manual Annotations of this start: 2 of 510
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Ares_33 (B2), PR_25 (W),

Start 46:

- Found in 9 of 597 (1.5%) of genes in pham
- Manual Annotations of this start: 9 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_34 (B9), Hashim76_35 (B13), Imvubu_25 (B10), Indlovu_29 (B11), Knocker_33 (B9), PenguinLover67_33 (B9), Quesadilla_32 (B9), Saguaro_32 (B7), Thonko_30 (B8),

Start 47:

- Found in 36 of 597 (6.0%) of genes in pham
- Manual Annotations of this start: 9 of 510
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), Tinciduntolum_34 (B2),

Start 48:

- Found in 37 of 597 (6.2%) of genes in pham
- Manual Annotations of this start: 15 of 510
- Called 40.5% of time when present
- Phage (with cluster) where this start called: Appletree2_21 (L1), BigPhil_20 (F1), Cepens_25 (W), Cerasum_20 (F1), CicholasNage_21 (L1), Godines_33 (B2), JoeDirt_21 (L1), Laurie_33 (B2), LeBron_21 (L1), Megabear_25 (W), Qyrzula_31 (B2), Taptic_25 (W), UPIE_21 (L1), Velveteen_20 (F1), Vic9_00033 (B2),

Start 49:

- Found in 2 of 597 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arissanæ_32 (A9), Vanisoa_31 (A9),

Start 50:

- Found in 489 of 597 (81.9%) of genes in pham
- Manual Annotations of this start: 403 of 510
- Called 96.3% of time when present

• Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), ABU_33 (B1), Abinghost_33 (B3), AbsoluteMadLad_32 (B1), Acquire49_21 (L1), Adriana_33 (B1), Aelin_32 (B1), Ahwei_29 (B4), Akoma_33 (B3), AlanGrant_31 (B4), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), AngelCake_32 (B1), Antihero_29 (B4), Antonia_32 (B1), Apex_30 (B4), Apizium_32 (B1), Arbitrator_33 (B2), Argie_26 (W), Ashraf_32 (B1), Athena_34 (B3), Audrey_33 (B3), Austelle_31 (B4), AvadaKedavra_21 (L1), Badfish_33 (B1), Baloo_33 (B3), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bellis_22 (L3), Ben11_32 (B3), Bernardo_33 (B3), Bishoperium_32 (B1), BlackStallion_33 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), BobbyK_30 (B4), Boehler_33 (B1), BourbonZero_21 (L3), Boyle_33 (B2), BrainDrainer_22 (L4), Brilliant_33 (B1), Brocalys_20 (F1), BrownCNA_31 (B4), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), Calm_21 (L1), CamL_33 (B1), CampRoach_33 (B1), Cannibal_33 (B1), Carthage_31 (B1), Casbah_32 (B3), Caspiroi_34 (B1), ChaChing_33 (B3), Chaelin_33 (B1), Chah_34 (B1), Chalmers_33 (B3), Chandler_33 (B3), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Chentzyk_32 (B3), Cher_32 (B1), Childish_32 (B1), ChipMunk_34 (A2), Chipette_34 (B1), Chorkpop_33 (B1), ChrisnMich_29 (B4), Chute_32 (B1), Clautastrophe_22 (L3), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_32 (B1), Compostia_34 (B3), Cooper_30 (B4), Cornbread_33 (B1), Cornobble_32 (B1), Cosmolli16_32 (B1), Craff_33 (B1), Crownjwl_33 (B1), D12_25 (W), DaddyDaniels_33 (B1), Daffy_33 (B1), Daisy_33 (B3), Daka_33 (B1), Dati_33 (B1), Deenasa_33 (B3), DelRivs_32 (B1), Derpp_32 (B1), Devonte_33 (B3), Dice_32 (B1), Dingo_33 (B1), Dione_32 (B1), DirkDirk_21 (L1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DonSanchon_32 (B1), Douzhi_21 (L4), DuchessDung_31 (B1), Duggie_32 (B1), DuncansLeg_22 (L3), Durga_33 (B1), Eaglehorse_33 (B2), Ellson_22 (L3), ElvisPhasley_33 (B1), Emiris_33 (B1), EmpTee_33 (B1), Enceladus_21 (L1), Epah_29 (B4), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), EvilGenius_34 (A2), Fanaw_29 (B4), Fang_33 (B1), Faze9_33 (B2), Finnry_22 (L3), FluffyNinja_33 (B1), ForDig_28 (B6), Fortunato_30 (B4), Fozzie_32 (B1), Frankicide_33 (B1), Frederick_30 (B4), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Funsized_35 (B9), Gadget_34 (B3), Gail_32 (A14), Gareth_32 (B1), GeneCoco_33 (B1), Gervas_33 (B3), GinPorsche_29 (B4), Giraffe_33 (B1), Glass_33 (B2), GlenHope_34 (B3), Glubnar_33 (B3), Gophee_33 (B1), Grand2040_32 (B1), Gwennie1_33 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Halena_21 (L1), Halfpint_32 (B3), Hally898_29 (B4), Hamish_33 (B1), Hangman_30 (B4), Hartsy_33 (B1), HarveySr_33 (B3), Harvey_33 (B1), Heath_29 (B4), Heathcliff_33 (B3), Hedgerow_33 (B2), Held_33 (B1), HenryJackson_32 (B1), Hertubise_33 (B1), Hetaeria_33 (B1), HighStump_32 (B1), Hocus_32 (B1), Holeinone_33 (B2), Horchata_33 (B1), Hosp_025 (B6), Hydro_30 (B4), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridessa_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JAMaL_30 (B4), JDog_32 (B1), JacAttac_33 (B1), Jackstina_30 (B3), JaguarMi_30 (B4), JakeO_32 (B1), JangoPhett_33 (B1), Jesabah_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_32 (B1), Jobypre_22 (L3), Jolie1_027 (B6), Jolie2_23 (G4), Jubie_22 (L3), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Kamiyu_33 (B3), Katniss_33 (B1), KayaCho_27 (B6), Keitherie_33 (B1), Keziacharles14_32 (A9), Khan1_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), Kingsolomon_22 (L3), KirDoubleO7_20 (L3), KlimbOn_33 (B1), Kloppinator_33 (B1), Kolhan_33 (B2), Kronus_32 (B3), Krypton555_22 (L3), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lambano_29 (B4), Lars_33 (B2), LasagnaCat_33 (B1), Lasso_33 (B1), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), LeiMonet_33

(B1), LemonSlice_33 (B1), LestyG_33 (B3), LilMcDreamy_28 (B12), LilSmirk_33 (B2), LiyuLake_22 (L3), LizLemon_33 (B2), Lolalove_30 (B4), Lolly9_22 (L3), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), Luchador_34 (A14), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), Lumos_22 (L3), MAckerman_21 (L1), MRabcd_32 (B1), Mag7_32 (B1), Magic8_33 (B1), Magpie_29 (B4), Mana_32 (B1), Manad_32 (B1), Mao1_27 (AD), Marley1013_33 (B3), Marlia_33 (B3), Maru_32 (B1), Mask_28 (AD), Maskar_32 (B1), Matalotodo_33 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), MelsMeow_32 (B1), Mesh1_33 (B1), Mesmerelda_33 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), MiniLon_22 (L3), MiniMac_22 (L3), MitKao_33 (B1), Mithril_30 (B4), MmasiCarm_33 (B3), Moostard_22 (L3), Morgushi_33 (B1), Mortcellus_32 (B3), Morty007_33 (B3), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_32 (B1), MsGreen_22 (L3), Mudslide_30 (B4), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Nanao_29 (B4), Nathan_34 (B1), Neos5_33 (B3), Newman_33 (B1), Nicholas_22 (L3), Nicole21_33 (B1), Nigel_28 (B4), Nozo_33 (B3), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Obutu_33 (B3), OhShagHennessy_21 (L1), Olak_32 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Olivio_32 (B3), Omniscient_33 (B1), Oosterbaan_33 (B1), Opia_33 (B2), OrangeOswald_33 (B3), Orfeu_32 (B1), Orion_33 (B1), Orwigg_32 (B1), P3MA_24 (singleton), PG1_33 (B1), PYPDinur_21 (L4), Pacifista_32 (B1), Phaedrus_31 (B3), Phamished_33 (B1), Phantasmagoria_33 (B2), Phareon_33 (B1), PhatCats2014_33 (B1), PhatLouie_33 (B1), Phenghiskhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Philly_32 (B3), Phipps_33 (B1), Phleuron_32 (B1), Phlyer_33 (B3), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), Piglet_0032 (B1), PinheadLarry_33 (B1), Pinkman_32 (B1), Pippy_19 (F1), Pipsqueak_33 (B1), Placalicious_32 (B1), Plata_33 (B1), Plmatters_33 (B1), Podrick_33 (B1), Poochiewood_21 (L1), Pops_33 (B1), Poster_29 (B4), Potter_32 (B1), Prickles_33 (B1), PrinceCharming_33 (B2), Prince_30 (B4), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), QueenPie_29 (B4), Quisquilliae_33 (B1), RagingRooster_33 (B3), RawrgerThat_30 (B4), Red305_22 (L3), RedMaple_32 (B1), Rhinoforte_33 (B2), Ricotta_32 (B1), Riggan_33 (B1), Rimu_34 (B1), Rinkes_34 (B9), Rita1961_33 (B3), Riverton_32 (B1), Robyn_32 (B1), Roliet_33 (B1), RomaT_33 (B3), Roscoe_34 (B1), Rose5_21 (L1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Samaymay_33 (B1), Samty_22 (L3), SassyCat97_32 (B1), Schadenfreude_32 (B1), Schueller_32 (B1), Scoot17C_33 (B1), Scrick_33 (B1), Sejanus_28 (AD), Selr12_33 (B1), Serendipity_33 (B1), Serpentine_0033 (B1), Sheila_33 (B1), Shenandoah_33 (B3), Sheng711_21 (L4), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Silverleaf_21 (L1), Simielle_32 (B1), SirBeauregard_33 (B1), Skippy_33 (B1), Slatt_33 (B1), SlippinJimmy_33 (B3), Snenia_22 (L3), Soile_33 (B1), Solosis_32 (B1), Sophia_32 (B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Stargaze_23 (G5), Stinger_28 (B4), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), SwainyDoc_33 (B3), Swiphy_34 (B1), Swish_33 (B1), SynergyX_33 (B3), TA17A_34 (B2), TallGrassMM_33 (B1), Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Thunderbird_32 (B1), Timmi_32 (B1), TinyTerror_33 (B3), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), TooFast2Furius_34 (B1), Tooj_33 (B1), Tres_33 (B2), TriFive_22 (L3), True_32 (B1), Trypo_33 (B1), Tydolla_33 (B3), TyrionL_32 (B1), Tyson_21 (L1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Veritas_32 (B1), Vincenzo_31 (B4), VioletZ_30 (B4), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Waleliano_30 (B4), Wallhey_32 (B1), Wamburgrxpress_21 (L1), Waterdiva_33 (B1), Weher20_33 (B1), West99_33 (B2), Whirlwind_23 (L3), Windsor_32 (B1), Wyatt2_21 (L1), Xavier_32

(B1), Xincheng_29 (B4), Yahalom_33 (B3), Yinz_33 (B3), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zaria_21 (L1), Zelda_33 (B1), Zemanar_31 (B4), Zonia_33 (B1),

Start 51:

- Found in 3 of 597 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fulbright_21 (N), Phloss_21 (N), Squirty_20 (F3),

Start 52:

- Found in 34 of 597 (5.7%) of genes in pham
- Manual Annotations of this start: 23 of 510
- Called 76.5% of time when present
- Phage (with cluster) where this start called: 32HC_31 (Z), Akhila_20 (F1), BabeRuth_21 (N), BigNuz_22 (P4), Clifton_19 (F1), Crumble_19 (F1), GreaseLightnin_22 (P1), Hanako_21 (N), Jamie19_21 (N), JustASigh_22 (AH), Koella_19 (F1), LastJedi_19 (F1), MilanaBonita_20 (F1), Ms6_19 (F1), Nazo_22 (P4), Nенаe_21 (N), PhancyPhin_21 (N), Purgamenstris_21 (N), QueenHazel_22 (I1), Redi_21 (N), Rem711_30 (Z), Sarma624_20 (F1), ShrimpFriedEgg_21 (N), SpongeBob_21 (N), Stuck_25 (I2), Xula_21 (I1),

Start 54:

- Found in 2 of 597 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nanosmite_35 (M3), RoseMarie_32 (M),

Start 65:

- Found in 7 of 597 (1.2%) of genes in pham
- Manual Annotations of this start: 4 of 510
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Bromden_23 (L4), Chaser_21 (L4), Douge_21 (L4), DyoEdafos_22 (L4), Kropertea_21 (L4),

Start 80:

- Found in 390 of 597 (65.3%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Start 85:

- Found in 23 of 597 (3.9%) of genes in pham
- Manual Annotations of this start: 6 of 510
- Called 26.1% of time when present
- Phage (with cluster) where this start called: Aggie_22 (N), Bosection6_22 (N), Carcharodon_22 (N), Charlie_22 (N), Philonius_22 (N), Pipsqueaks_22 (N),

Start 86:

- Found in 23 of 597 (3.9%) of genes in pham
- Manual Annotations of this start: 14 of 510
- Called 73.9% of time when present

- Phage (with cluster) where this start called: Chewbacca_22 (N), Duplicity_22 (N), EGUnicorn_23 (N), Gex_22 (N), Journey_22 (N), LilSpotty_25 (singleton), Magsby_22 (N), Melville_22 (N), MulchSalad_20 (F), Parmesanjohn_22 (N), Schnauzer_22 (N), Silvafighter_22 (N), Silvy_22 (N), Smurph_22 (N), Tapioca_22 (N), Tortoise12_22 (N), Xerxes_22 (N),

Start 88:

- Found in 53 of 597 (8.9%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 5.7% of time when present
- Phage (with cluster) where this start called: FarmResident_21 (L4), Quby_21 (L4), Snekmaggon_21 (N),

Start 92:

- Found in 7 of 597 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 510
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Aziz_35 (M2), Estes_36 (M2), GardenSalsa_35 (M2), GenevaB15_35 (M2), MrMagoo_35 (M2), Rey_35 (M2),

Summary by clusters:

There are 38 clusters represented in this pham: singleton, B10, B11, K7, B13, M3, M2, A14, G5, G4, I1, I2, A2, A9, P1, AD, P4, F, AH, M, N, L4, L3, W, L1, Z, F1, F3, B4, B5, B6, B7, B1, B2, B3, B12, B8, B9,

Info for manual annotations of cluster A14:

- Start number 50 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A2:

- Start number 50 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 49 was manually annotated 2 times for cluster A9.
- Start number 50 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AD:

- Start number 47 was manually annotated 1 time for cluster AD.
- Start number 50 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AH:

- Start number 52 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster B1:

- Start number 50 was manually annotated 266 times for cluster B1.
- Start number 80 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 46 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 46 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 50 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 44 was manually annotated 1 time for cluster B13.
- Start number 46 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 45 was manually annotated 1 time for cluster B2.
- Start number 47 was manually annotated 6 times for cluster B2.
- Start number 48 was manually annotated 4 times for cluster B2.
- Start number 50 was manually annotated 23 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 50 was manually annotated 41 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 50 was manually annotated 25 times for cluster B4.

Info for manual annotations of cluster B5:

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

Info for manual annotations of cluster B6:

- Start number 50 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 46 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 46 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 46 was manually annotated 4 times for cluster B9.
- Start number 50 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster F1:

- Start number 48 was manually annotated 3 times for cluster F1.
- Start number 50 was manually annotated 2 times for cluster F1.
- Start number 52 was manually annotated 7 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 51 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster I1:

- Start number 52 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster K7:

- Start number 23 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L1:

- Start number 48 was manually annotated 5 times for cluster L1.
- Start number 50 was manually annotated 14 times for cluster L1.

Info for manual annotations of cluster L3:

- Start number 50 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 65 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster M2:

- Start number 92 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 54 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 51 was manually annotated 2 times for cluster N.
- Start number 52 was manually annotated 9 times for cluster N.
- Start number 85 was manually annotated 6 times for cluster N.
- Start number 86 was manually annotated 13 times for cluster N.
- Start number 88 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 52 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P4:

- Start number 52 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster W:

- Start number 45 was manually annotated 1 time for cluster W.
- Start number 47 was manually annotated 2 times for cluster W.
- Start number 48 was manually annotated 3 times for cluster W.
- Start number 50 was manually annotated 2 times for cluster W.

Info for manual annotations of cluster Z:

- Start number 52 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_31 Start: 25140, Stop: 26351, Start Num: 52

Candidate Starts for 32HC_31:

(Start: 52 @25140 has 23 MA's), (56, 25161), (97, 25299), (130, 25401), (170, 25524), (176, 25539), (186, 25560), (206, 25611), (217, 25641), (230, 25644), (233, 25650), (245, 25677), (246, 25680), (249, 25686), (255, 25701), (264, 25707), (271, 25728), (276, 25740), (307, 25872), (310, 25899), (347, 26082), (356, 26115), (394, 26289),

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 50

Candidate Starts for 39HC_027:

(5, 29542), (8, 29644), (Start: 50 @30067 has 403 MA's), (62, 30106), (75, 30157), (Start: 80 @30178 has 1 MA's), (96, 30223), (118, 30283), (124, 30304), (125, 30307), (141, 30364), (161, 30418), (162, 30421), (165, 30427), (214, 30544), (243, 30613), (268, 30718), (304, 30850), (306, 30856), (332, 30979), (346, 31039), (362, 31093), (367, 31099), (381, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 50

Candidate Starts for 40BC_027:

(5, 29542), (8, 29644), (Start: 50 @30067 has 403 MA's), (62, 30106), (75, 30157), (Start: 80 @30178 has 1 MA's), (96, 30223), (118, 30283), (124, 30304), (125, 30307), (141, 30364), (161, 30418), (162, 30421), (165, 30427), (214, 30544), (243, 30613), (268, 30718), (304, 30850), (306, 30856), (332, 30979), (346, 31039), (362, 31093), (367, 31099), (381, 31147),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 50

Candidate Starts for ABU_33:

(Start: 50 @32364 has 403 MA's), (Start: 80 @32475 has 1 MA's), (96, 32520), (130, 32619), (148, 32679), (161, 32715), (173, 32739), (194, 32784), (196, 32790), (216, 32841), (232, 32880), (233, 32883), (238, 32895), (245, 32910), (276, 32934), (288, 32967), (304, 33048), (314, 33093), (325, 33141), (331, 33177), (334, 33186), (337, 33192), (392, 33417),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 50

Candidate Starts for Abinghost_33:

(Start: 50 @32219 has 403 MA's), (59, 32252), (105, 32396), (108, 32405), (112, 32414), (124, 32453), (127, 32462), (135, 32480), (138, 32498), (142, 32516), (144, 32522), (150, 32534), (156, 32552), (161, 32567), (181, 32600), (191, 32627), (208, 32672), (242, 32753), (253, 32780), (262, 32798), (267, 32816), (284, 32858), (290, 32882), (306, 32957), (309, 32987), (325, 33047), (327, 33059), (329, 33077), (351, 33179), (381, 33284), (383, 33290), (386, 33308), (401, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for AbsoluteMadLad_32:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 9

Candidate Starts for Acadian_32:

(Start: 9 @32586 has 9 MA's), (10, 32604), (13, 32625), (18, 32679), (29, 32757), (31, 32775), (34, 32790), (36, 32802), (105, 33039), (121, 33090), (128, 33117), (137, 33144), (166, 33231), (169, 33246), (186, 33285), (220, 33375), (245, 33435), (291, 33558), (301, 33597), (306, 33633), (383, 33957), (404, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Acquire49_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 50

Candidate Starts for Adriana_33:

(Start: 50 @32362 has 403 MA's), (Start: 80 @32473 has 1 MA's), (96, 32518), (130, 32617), (148, 32677), (161, 32713), (173, 32737), (194, 32782), (196, 32788), (216, 32839), (232, 32878), (233,

32881), (238, 32893), (245, 32908), (276, 32932), (288, 32965), (304, 33046), (314, 33091), (325, 33139), (331, 33175), (334, 33184), (337, 33190), (392, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 50

Candidate Starts for Aelin_32:

(Start: 50 @31928 has 403 MA's), (Start: 80 @32039 has 1 MA's), (96, 32084), (130, 32183), (148, 32243), (161, 32279), (173, 32303), (194, 32348), (196, 32354), (216, 32405), (232, 32444), (233, 32447), (238, 32459), (276, 32498), (288, 32531), (304, 32612), (314, 32657), (325, 32705), (331, 32741), (334, 32750), (337, 32756), (392, 32981),

Gene: Aggie_22 Start: 20221, Stop: 21438, Start Num: 85

Candidate Starts for Aggie_22:

(15, 19894), (53, 20092), (Start: 85 @20221 has 6 MA's), (Start: 86 @20224 has 14 MA's), (177, 20485), (245, 20656), (293, 20806), (300, 20845), (320, 20947), (324, 20989), (396, 21361),

Gene: Ahwei_29 Start: 31578, Stop: 32735, Start Num: 50

Candidate Starts for Ahwei_29:

(Start: 50 @31578 has 403 MA's), (76, 31671), (Start: 80 @31686 has 1 MA's), (87, 31701), (91, 31713), (96, 31731), (127, 31821), (141, 31872), (144, 31881), (146, 31887), (153, 31899), (161, 31926), (174, 31941), (181, 31947), (183, 31953), (198, 31986), (200, 31995), (214, 32028), (237, 32061), (282, 32151), (284, 32157), (305, 32256), (306, 32259), (337, 32403), (372, 32556),

Gene: Akhila_20 Start: 20281, Stop: 21492, Start Num: 52

Candidate Starts for Akhila_20:

(Start: 52 @20281 has 23 MA's), (58, 20305), (74, 20362), (Start: 88 @20410 has 1 MA's), (106, 20470), (109, 20479), (115, 20494), (124, 20518), (134, 20542), (137, 20554), (145, 20590), (161, 20629), (165, 20638), (172, 20662), (186, 20692), (219, 20776), (220, 20779), (228, 20800), (244, 20836), (245, 20839), (254, 20860), (276, 20902), (304, 21019), (311, 21055), (314, 21061), (337, 21166), (352, 21247),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 50

Candidate Starts for Akoma_33:

(Start: 50 @32223 has 403 MA's), (59, 32256), (105, 32400), (108, 32409), (112, 32418), (124, 32457), (127, 32466), (135, 32484), (138, 32502), (142, 32520), (144, 32526), (150, 32538), (156, 32556), (161, 32571), (181, 32604), (191, 32631), (208, 32676), (242, 32757), (253, 32784), (262, 32802), (267, 32820), (284, 32862), (290, 32886), (306, 32961), (309, 32991), (325, 33051), (327, 33063), (329, 33081), (351, 33183), (381, 33288), (383, 33294), (386, 33312), (401, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 50

Candidate Starts for AlanGrant_31:

(Start: 50 @33326 has 403 MA's), (76, 33419), (Start: 80 @33434 has 1 MA's), (87, 33449), (91, 33461), (96, 33479), (127, 33569), (141, 33620), (144, 33629), (153, 33647), (161, 33674), (174, 33689), (181, 33695), (183, 33701), (198, 33734), (200, 33743), (214, 33776), (237, 33809), (243, 33821), (257, 33854), (263, 33869), (282, 33899), (284, 33905), (301, 33971), (303, 33995), (305, 34004), (337, 34151), (372, 34304),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 50

Candidate Starts for Allegro_33:

(19, 32536), (Start: 47 @32677 has 9 MA's), (Start: 50 @32683 has 403 MA's), (62, 32722), (69, 32752), (Start: 80 @32797 has 1 MA's), (96, 32842), (130, 32941), (148, 33001), (161, 33037), (173, 33061), (194, 33106), (196, 33112), (216, 33163), (232, 33202), (233, 33205), (238, 33217), (245, 33232), (276, 33256), (288, 33289), (304, 33370), (325, 33463), (331, 33499), (334, 33508), (337, 33514), (347, 33574), (392, 33739),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 50

Candidate Starts for AltPhacts_33:

(Start: 50 @32351 has 403 MA's), (Start: 80 @32462 has 1 MA's), (96, 32507), (130, 32606), (148, 32666), (161, 32702), (173, 32726), (194, 32771), (196, 32777), (216, 32828), (232, 32867), (233, 32870), (238, 32882), (245, 32897), (276, 32921), (288, 32954), (304, 33035), (314, 33080), (325, 33128), (331, 33164), (334, 33173), (337, 33179), (392, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 50

Candidate Starts for Altwerkus_32:

(Start: 50 @32052 has 403 MA's), (Start: 80 @32163 has 1 MA's), (96, 32208), (130, 32307), (148, 32367), (161, 32403), (173, 32427), (194, 32472), (196, 32478), (216, 32529), (232, 32568), (233, 32571), (238, 32583), (276, 32622), (288, 32655), (304, 32736), (314, 32781), (325, 32829), (331, 32865), (334, 32874), (337, 32880), (392, 33105),

Gene: Aminay_26 Start: 23478, Stop: 24887, Start Num: 23

Candidate Starts for Aminay_26:

(Start: 23 @23478 has 1 MA's), (30, 23517), (35, 23553), (37, 23565), (41, 23586), (61, 23652), (70, 23694), (77, 23730), (99, 23790), (121, 23850), (127, 23874), (138, 23910), (144, 23934), (154, 23955), (156, 23964), (165, 23988), (167, 23994), (189, 24036), (203, 24075), (209, 24090), (218, 24114), (229, 24144), (243, 24174), (270, 24234), (282, 24267), (286, 24276), (288, 24288), (294, 24324), (337, 24540), (384, 24747), (402, 24861),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 50

Candidate Starts for Anderson_33:

(Start: 50 @32357 has 403 MA's), (Start: 80 @32468 has 1 MA's), (96, 32513), (130, 32612), (148, 32672), (161, 32708), (173, 32732), (194, 32777), (196, 32783), (216, 32834), (232, 32873), (233, 32876), (238, 32888), (276, 32927), (288, 32960), (304, 33041), (314, 33086), (325, 33134), (331, 33170), (334, 33179), (337, 33185), (392, 33410),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 50

Candidate Starts for Andre_33:

(Start: 50 @32356 has 403 MA's), (Start: 80 @32467 has 1 MA's), (96, 32512), (130, 32611), (148, 32671), (161, 32707), (173, 32731), (194, 32776), (196, 32782), (216, 32833), (232, 32872), (233, 32875), (238, 32887), (276, 32926), (288, 32959), (304, 33040), (314, 33085), (325, 33133), (331, 33169), (334, 33178), (337, 33184), (392, 33409),

Gene: AngelCake_32 Start: 32376, Stop: 33536, Start Num: 50

Candidate Starts for AngelCake_32:

(Start: 50 @32376 has 403 MA's), (Start: 80 @32487 has 1 MA's), (96, 32532), (130, 32631), (148, 32691), (161, 32727), (173, 32751), (194, 32796), (196, 32802), (216, 32853), (232, 32892), (233, 32895), (238, 32907), (245, 32922), (276, 32946), (288, 32979), (304, 33060), (314, 33105), (325, 33153), (331, 33189), (334, 33198), (337, 33204), (392, 33429),

Gene: Antihero_29 Start: 31578, Stop: 32735, Start Num: 50

Candidate Starts for Antihero_29:

(Start: 50 @31578 has 403 MA's), (76, 31671), (Start: 80 @31686 has 1 MA's), (87, 31701), (91, 31713), (96, 31731), (127, 31821), (141, 31872), (144, 31881), (146, 31887), (153, 31899), (161, 31926), (174, 31941), (181, 31947), (183, 31953), (198, 31986), (200, 31995), (214, 32028), (237, 32061), (282, 32151), (284, 32157), (305, 32256), (306, 32259), (337, 32403), (372, 32556),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 50

Candidate Starts for Antonia_32:

(Start: 50 @31928 has 403 MA's), (Start: 80 @32039 has 1 MA's), (96, 32084), (130, 32183), (148, 32243), (161, 32279), (173, 32303), (194, 32348), (196, 32354), (216, 32405), (232, 32444), (233, 32447), (238, 32459), (276, 32498), (288, 32531), (304, 32612), (314, 32657), (325, 32705), (331, 32741), (334, 32750), (337, 32756), (392, 32981),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 50

Candidate Starts for Apex_30:

(Start: 50 @32785 has 403 MA's), (76, 32878), (Start: 80 @32893 has 1 MA's), (87, 32908), (91, 32920), (96, 32938), (113, 32980), (127, 33028), (141, 33079), (144, 33088), (153, 33106), (161, 33133), (174, 33148), (181, 33154), (183, 33160), (186, 33166), (198, 33193), (200, 33202), (214, 33235), (237, 33268), (263, 33328), (282, 33358), (284, 33364), (295, 33409), (305, 33463), (306, 33466), (337, 33610), (372, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 50

Candidate Starts for Apizium_32:

(Start: 50 @32120 has 403 MA's), (Start: 80 @32231 has 1 MA's), (96, 32276), (130, 32375), (148, 32435), (161, 32471), (173, 32495), (194, 32540), (196, 32546), (216, 32597), (232, 32636), (233, 32639), (238, 32651), (276, 32690), (288, 32723), (304, 32804), (314, 32849), (325, 32897), (331, 32933), (334, 32942), (337, 32948), (392, 33173),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 48

Candidate Starts for Appletree2_21:

(Start: 48 @21628 has 15 MA's), (Start: 50 @21631 has 403 MA's), (Start: 88 @21757 has 1 MA's), (103, 21799), (107, 21811), (108, 21814), (121, 21847), (123, 21859), (138, 21907), (142, 21925), (156, 21961), (161, 21976), (189, 22027), (199, 22057), (215, 22099), (224, 22123), (266, 22159), (267, 22165), (277, 22192), (284, 22210), (306, 22303), (307, 22306), (323, 22390), (354, 22528), (360, 22546), (381, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 50

Candidate Starts for Arbiter_33:

(19, 32625), (Start: 47 @32766 has 9 MA's), (Start: 50 @32772 has 403 MA's), (62, 32811), (69, 32841), (Start: 80 @32886 has 1 MA's), (96, 32931), (130, 33030), (148, 33090), (161, 33126), (173, 33150), (194, 33195), (196, 33201), (216, 33252), (232, 33291), (233, 33294), (238, 33306), (245, 33321), (276, 33345), (288, 33378), (304, 33459), (325, 33552), (331, 33588), (334, 33597), (337, 33603), (347, 33663), (392, 33828),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 45

Candidate Starts for Ares_33:

(21, 32547), (Start: 45 @32688 has 2 MA's), (Start: 48 @32691 has 15 MA's), (69, 32760), (91, 32829), (100, 32859), (105, 32871), (107, 32877), (108, 32880), (112, 32889), (124, 32928), (127, 32937), (132, 32949), (148, 33006), (156, 33027), (161, 33042), (186, 33087), (191, 33102), (208, 33147), (235, 33216), (247, 33243), (259, 33267), (275, 33312), (284, 33333), (290, 33357), (306, 33432), (309, 33462), (325, 33522), (327, 33534), (329, 33552), (351, 33654), (381, 33759), (383, 33765), (386, 33783), (397, 33834), (401, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 50

Candidate Starts for Argie_26:

(Start: 45 @29657 has 2 MA's), (Start: 50 @29663 has 403 MA's), (60, 29702), (Start: 80 @29777 has 1 MA's), (82, 29780), (94, 29813), (100, 29834), (107, 29852), (109, 29858), (112, 29864), (124, 29903), (125, 29906), (127, 29912), (148, 29981), (156, 30002), (191, 30077), (208, 30122), (220, 30152), (238, 30197), (243, 30206), (245, 30212), (247, 30218), (259, 30242), (275, 30287), (284, 30308), (290, 30332), (306, 30407), (309, 30437), (325, 30497), (327, 30509), (329, 30527), (351, 30629), (383, 30740), (386, 30758), (397, 30809), (401, 30845),

Gene: Arissanae_32 Start: 24817, Stop: 26022, Start Num: 49

Candidate Starts for Arissanae_32:

(Start: 49 @24817 has 2 MA's), (105, 24994), (107, 25000), (108, 25003), (125, 25054), (186, 25210), (204, 25258), (305, 25552), (309, 25585), (337, 25696), (374, 25852),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 50

Candidate Starts for Ashraf_32:

(Start: 50 @31924 has 403 MA's), (Start: 80 @32035 has 1 MA's), (96, 32080), (130, 32179), (148, 32239), (161, 32275), (173, 32299), (194, 32344), (196, 32350), (216, 32401), (232, 32440), (233, 32443), (238, 32455), (245, 32470), (276, 32494), (288, 32527), (304, 32608), (314, 32653), (325, 32701), (331, 32737), (334, 32746), (337, 32752), (392, 32977),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 50

Candidate Starts for Athena_34:

(Start: 50 @32970 has 403 MA's), (59, 33003), (105, 33147), (108, 33156), (112, 33165), (124, 33204), (127, 33213), (135, 33231), (148, 33282), (153, 33291), (156, 33303), (158, 33309), (161, 33318), (186, 33363), (191, 33378), (208, 33423), (221, 33462), (235, 33492), (243, 33507), (247, 33519), (259, 33543), (275, 33588), (284, 33609), (290, 33633), (306, 33708), (309, 33738), (325, 33798), (327, 33810), (329, 33828), (351, 33930), (381, 34035), (383, 34041), (386, 34059), (401, 34146),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 50

Candidate Starts for Audrey_33:

(Start: 50 @32219 has 403 MA's), (59, 32252), (105, 32396), (108, 32405), (112, 32414), (124, 32453), (127, 32462), (135, 32480), (138, 32498), (142, 32516), (144, 32522), (150, 32534), (156, 32552), (161, 32567), (181, 32600), (191, 32627), (208, 32672), (242, 32753), (253, 32780), (262, 32798), (267, 32816), (284, 32858), (290, 32882), (306, 32957), (309, 32987), (325, 33047), (327, 33059), (329, 33077), (351, 33179), (381, 33284), (383, 33290), (386, 33308), (401, 33395),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 50

Candidate Starts for Austelle_31:

(Start: 50 @33241 has 403 MA's), (76, 33334), (Start: 80 @33349 has 1 MA's), (87, 33364), (91, 33376), (96, 33394), (113, 33436), (127, 33484), (141, 33535), (144, 33544), (153, 33562), (161, 33589), (174, 33604), (181, 33610), (183, 33616), (186, 33622), (198, 33649), (200, 33658), (214, 33691), (237, 33724), (263, 33784), (282, 33814), (284, 33820), (295, 33865), (305, 33919), (306, 33922), (337, 34066), (372, 34219),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 50

Candidate Starts for AvadaKedavra_21:

(Start: 48 @21695 has 15 MA's), (Start: 50 @21698 has 403 MA's), (Start: 88 @21824 has 1 MA's), (103, 21866), (107, 21878), (108, 21881), (121, 21914), (123, 21926), (138, 21974), (142, 21992), (156, 22028), (161, 22043), (189, 22094), (199, 22124), (215, 22166), (224, 22190), (266, 22226), (267, 22232), (277, 22259), (284, 22277), (306, 22370), (307, 22373), (323, 22457), (354, 22595), (360, 22613), (381, 22697),

Gene: Aziz_35 Start: 27886, Stop: 28968, Start Num: 92

Candidate Starts for Aziz_35:

(84, 27865), (89, 27880), (Start: 92 @27886 has 6 MA's), (120, 27961), (137, 28006), (138, 28012), (139, 28018), (144, 28036), (148, 28045), (167, 28096), (176, 28111), (188, 28135), (194, 28156), (215, 28210), (218, 28216), (240, 28270), (296, 28426), (385, 28837),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for BabeRuth_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 50

Candidate Starts for Badfish_33:

(Start: 50 @32386 has 403 MA's), (Start: 80 @32497 has 1 MA's), (96, 32542), (130, 32641), (148, 32701), (161, 32737), (173, 32761), (194, 32806), (196, 32812), (216, 32863), (232, 32902), (233, 32905), (238, 32917), (245, 32932), (276, 32956), (288, 32989), (304, 33070), (314, 33115), (325, 33163), (331, 33199), (334, 33208), (337, 33214), (392, 33439),

Gene: Bae_31 Start: 32397, Stop: 33902, Start Num: 9

Candidate Starts for Bae_31:

(Start: 9 @32397 has 9 MA's), (10, 32415), (13, 32436), (18, 32490), (22, 32508), (31, 32586), (34, 32601), (121, 32901), (128, 32928), (137, 32955), (158, 33021), (166, 33042), (169, 33057), (186, 33096), (220, 33186), (230, 33213), (245, 33246), (284, 33342), (291, 33369), (301, 33408), (306, 33444), (329, 33567), (357, 33672), (383, 33768), (386, 33786), (404, 33888),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 50

Candidate Starts for Baloo_33:

(Start: 50 @32222 has 403 MA's), (59, 32255), (105, 32399), (108, 32408), (112, 32417), (124, 32456), (127, 32465), (135, 32483), (148, 32534), (153, 32543), (156, 32555), (158, 32561), (161, 32570), (186, 32615), (191, 32630), (208, 32675), (221, 32714), (235, 32744), (243, 32759), (247, 32771), (259, 32795), (275, 32840), (284, 32861), (290, 32885), (306, 32960), (309, 32990), (325, 33050), (327, 33062), (329, 33080), (351, 33182), (381, 33287), (383, 33293), (386, 33311), (401, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 47

Candidate Starts for Bananafish_33:

(19, 32545), (Start: 47 @32686 has 9 MA's), (Start: 50 @32692 has 403 MA's), (62, 32731), (69, 32761), (Start: 80 @32806 has 1 MA's), (96, 32851), (130, 32950), (148, 33010), (161, 33046), (173, 33070), (194, 33115), (196, 33121), (216, 33172), (232, 33211), (233, 33214), (238, 33226), (245, 33241), (276, 33265), (288, 33298), (304, 33379), (325, 33472), (331, 33508), (334, 33517), (337, 33523), (392, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 50

Candidate Starts for Banjo_32:

(Start: 50 @32062 has 403 MA's), (Start: 80 @32173 has 1 MA's), (96, 32218), (130, 32317), (148, 32377), (161, 32413), (173, 32437), (194, 32482), (196, 32488), (216, 32539), (232, 32578), (233, 32581), (238, 32593), (245, 32608), (276, 32632), (288, 32665), (304, 32746), (314, 32791), (325, 32839), (331, 32875), (334, 32884), (337, 32890), (392, 33115),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 50

Candidate Starts for Basato_34:

(Start: 50 @32641 has 403 MA's), (Start: 80 @32752 has 1 MA's), (96, 32797), (130, 32896), (148, 32956), (161, 32992), (173, 33016), (194, 33061), (196, 33067), (216, 33118), (232, 33157), (233, 33160), (238, 33172), (245, 33187), (276, 33211), (288, 33244), (304, 33325), (314, 33370), (325, 33418), (331, 33454), (334, 33463), (337, 33469), (392, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 50

Candidate Starts for BatteryCK_32:

(Start: 50 @31981 has 403 MA's), (Start: 80 @32092 has 1 MA's), (96, 32137), (130, 32236), (148, 32296), (161, 32332), (173, 32356), (194, 32401), (196, 32407), (216, 32458), (232, 32497), (233, 32500), (238, 32512), (276, 32551), (288, 32584), (304, 32665), (325, 32758), (331, 32794), (334, 32803), (337, 32809), (392, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 50

Candidate Starts for Beaglebox_32:

(Start: 50 @32083 has 403 MA's), (Start: 80 @32194 has 1 MA's), (96, 32239), (130, 32338), (148, 32398), (161, 32434), (173, 32458), (194, 32503), (196, 32509), (216, 32560), (232, 32599), (233, 32602), (238, 32614), (276, 32653), (288, 32686), (304, 32767), (314, 32812), (325, 32860), (331, 32896), (334, 32905), (337, 32911), (392, 33136),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 50

Candidate Starts for Bellis_22:

(Start: 50 @22249 has 403 MA's), (79, 22351), (84, 22363), (91, 22381), (94, 22390), (107, 22429), (121, 22465), (124, 22480), (126, 22486), (136, 22516), (137, 22519), (145, 22555), (153, 22567), (173, 22618), (175, 22621), (200, 22681), (212, 22708), (218, 22723), (220, 22729), (223, 22741), (250, 22801), (262, 22825), (284, 22885), (305, 22981), (309, 23014), (327, 23086), (331, 23110), (337, 23125), (387, 23338), (389, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 50

Candidate Starts for Ben11_32:

(Start: 50 @32041 has 403 MA's), (59, 32074), (105, 32218), (108, 32227), (112, 32236), (124, 32275), (127, 32284), (135, 32302), (138, 32320), (142, 32338), (144, 32344), (150, 32356), (156, 32374), (161, 32389), (181, 32422), (191, 32449), (208, 32494), (242, 32575), (253, 32602), (262, 32620), (267, 32638), (284, 32680), (290, 32704), (306, 32779), (309, 32809), (325, 32869), (327, 32881), (329, 32899), (350, 32998), (351, 33001), (381, 33106), (383, 33112), (386, 33130), (401, 33217),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 50

Candidate Starts for Bernardo_33:

(Start: 50 @32309 has 403 MA's), (59, 32342), (105, 32486), (108, 32495), (112, 32504), (124, 32543), (127, 32552), (135, 32570), (148, 32621), (153, 32630), (156, 32642), (161, 32657), (186, 32702), (191, 32717), (208, 32762), (235, 32831), (243, 32846), (247, 32858), (259, 32882), (277, 32930), (280, 32936), (282, 32942), (284, 32948), (290, 32972), (306, 33047), (309, 33077), (325, 33137), (327, 33149), (329, 33167), (351, 33269), (381, 33374), (383, 33380), (397, 33449),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 52

Candidate Starts for BigNuz_22:

(Start: 52 @21497 has 23 MA's), (56, 21518), (99, 21659), (111, 21689), (119, 21710), (140, 21773), (160, 21812), (287, 21971), (311, 22103), (331, 22199), (398, 22484),

Gene: BigPhil_20 Start: 20087, Stop: 21244, Start Num: 48

Candidate Starts for BigPhil_20:

(Start: 48 @20087 has 15 MA's), (Start: 52 @20090 has 23 MA's), (Start: 88 @20219 has 1 MA's), (98, 20249), (106, 20279), (109, 20288), (115, 20303), (124, 20327), (134, 20351), (137, 20363), (161, 20438), (165, 20447), (172, 20471), (186, 20501), (244, 20585), (245, 20588), (254, 20609), (322, 20858), (325, 20867), (329, 20897), (337, 20918), (346, 20987), (402, 21221),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 50

Candidate Starts for Bishoperium_32:

(Start: 50 @32071 has 403 MA's), (Start: 80 @32182 has 1 MA's), (96, 32227), (130, 32326), (148, 32386), (161, 32422), (173, 32446), (194, 32491), (196, 32497), (216, 32548), (232, 32587), (233, 32590), (238, 32602), (245, 32617), (276, 32641), (288, 32674), (304, 32755), (314, 32800), (325,

32848), (331, 32884), (334, 32893), (337, 32899), (392, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for BlackStallion_33:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 47

Candidate Starts for Blocker23_33:

(19, 32663), (Start: 47 @32804 has 9 MA's), (Start: 50 @32810 has 403 MA's), (62, 32849), (69, 32879), (Start: 80 @32924 has 1 MA's), (96, 32969), (130, 33068), (148, 33128), (161, 33164), (173, 33188), (194, 33233), (196, 33239), (216, 33290), (232, 33329), (233, 33332), (238, 33344), (245, 33359), (276, 33383), (288, 33416), (304, 33497), (325, 33590), (331, 33626), (334, 33635), (337, 33641), (392, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 50

Candidate Starts for BlueHusk_33:

(Start: 50 @31870 has 403 MA's), (Start: 80 @31981 has 1 MA's), (96, 32026), (130, 32125), (148, 32185), (161, 32221), (173, 32245), (194, 32290), (196, 32296), (216, 32347), (232, 32386), (233, 32389), (238, 32401), (245, 32416), (276, 32440), (288, 32473), (304, 32554), (314, 32599), (325, 32647), (331, 32683), (334, 32692), (337, 32698), (392, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 50

Candidate Starts for Bluephacebaby_32:

(Start: 50 @32068 has 403 MA's), (Start: 80 @32179 has 1 MA's), (96, 32224), (130, 32323), (148, 32383), (161, 32419), (173, 32443), (194, 32488), (196, 32494), (216, 32545), (232, 32584), (233, 32587), (238, 32599), (245, 32614), (276, 32638), (288, 32671), (304, 32752), (314, 32797), (325, 32845), (331, 32881), (334, 32890), (337, 32896), (392, 33121),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 50

Candidate Starts for BobbyK_30:

(Start: 50 @32610 has 403 MA's), (76, 32703), (Start: 80 @32718 has 1 MA's), (87, 32733), (91, 32745), (96, 32763), (141, 32904), (144, 32913), (153, 32931), (161, 32958), (174, 32973), (181, 32979), (183, 32985), (186, 32991), (198, 33018), (200, 33027), (214, 33060), (237, 33093), (263, 33153), (282, 33183), (284, 33189), (295, 33234), (305, 33288), (306, 33291), (337, 33435), (372, 33588),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Boehler_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Bosection6_22 Start: 20220, Stop: 21437, Start Num: 85

Candidate Starts for Bosection6_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: BourbonZero_21 Start: 22227, Stop: 23426, Start Num: 50

Candidate Starts for BourbonZero_21:

(Start: 50 @22227 has 403 MA's), (79, 22329), (91, 22359), (94, 22368), (107, 22407), (112, 22419), (124, 22458), (136, 22494), (138, 22503), (150, 22539), (168, 22587), (223, 22719), (226, 22725), (274, 22839), (284, 22863), (304, 22956), (309, 22992), (323, 23046), (327, 23064), (374, 23256), (395, 23364),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 50

Candidate Starts for Boyle_33:

(19, 32664), (Start: 47 @32805 has 9 MA's), (Start: 50 @32811 has 403 MA's), (62, 32850), (69, 32880), (Start: 80 @32925 has 1 MA's), (96, 32970), (130, 33069), (148, 33129), (161, 33165), (173, 33189), (194, 33234), (196, 33240), (216, 33291), (232, 33330), (233, 33333), (238, 33345), (245, 33360), (276, 33384), (288, 33417), (304, 33498), (314, 33543), (325, 33591), (331, 33627), (334, 33636), (337, 33642), (347, 33702), (392, 33867),

Gene: BrainDrainer_22 Start: 21566, Stop: 22720, Start Num: 50

Candidate Starts for BrainDrainer_22:

(Start: 50 @21566 has 403 MA's), (79, 21668), (84, 21680), (108, 21749), (138, 21842), (156, 21896), (168, 21926), (173, 21935), (192, 21974), (211, 22022), (220, 22046), (223, 22058), (262, 22082), (292, 22172), (319, 22289), (322, 22325), (325, 22334), (338, 22391), (343, 22430),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 50

Candidate Starts for Brilliant_33:

(Start: 50 @32079 has 403 MA's), (Start: 80 @32190 has 1 MA's), (96, 32235), (130, 32334), (148, 32394), (161, 32430), (173, 32454), (194, 32499), (196, 32505), (216, 32556), (232, 32595), (233, 32598), (238, 32610), (276, 32649), (288, 32682), (304, 32763), (314, 32808), (325, 32856), (331, 32892), (334, 32901), (337, 32907), (392, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 50

Candidate Starts for Brocalys_20:

(Start: 50 @19901 has 403 MA's), (Start: 80 @20009 has 1 MA's), (Start: 88 @20030 has 1 MA's), (106, 20090), (115, 20114), (117, 20120), (124, 20138), (129, 20150), (134, 20162), (137, 20174), (156, 20234), (161, 20249), (165, 20258), (172, 20282), (186, 20312), (244, 20396), (245, 20399), (254, 20420), (268, 20441), (271, 20450), (276, 20462), (281, 20471), (337, 20732), (346, 20801), (402, 21035),

Gene: Bromden_23 Start: 22120, Stop: 23205, Start Num: 65

Candidate Starts for Bromden_23:

(Start: 65 @22120 has 4 MA's), (66, 22132), (151, 22375), (164, 22411), (187, 22450), (190, 22459), (199, 22483), (277, 22594), (283, 22609), (306, 22711), (318, 22756), (327, 22810), (337, 22849), (390, 23092),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 50

Candidate Starts for BrownCNA_31:

(Start: 50 @32871 has 403 MA's), (76, 32964), (Start: 80 @32979 has 1 MA's), (87, 32994), (91, 33006), (96, 33024), (113, 33066), (141, 33165), (144, 33174), (153, 33192), (161, 33219), (174, 33234), (181, 33240), (183, 33246), (186, 33252), (198, 33279), (200, 33288), (214, 33321), (237, 33354), (262, 33408), (263, 33414), (282, 33444), (284, 33450), (289, 33471), (295, 33495), (305, 33549), (306, 33552), (337, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 47

Candidate Starts for Brownie5_33:

(19, 32670), (Start: 47 @32811 has 9 MA's), (Start: 50 @32817 has 403 MA's), (62, 32856), (69, 32886), (Start: 80 @32931 has 1 MA's), (96, 32976), (130, 33075), (148, 33135), (161, 33171), (173, 33195), (194, 33240), (196, 33246), (216, 33297), (232, 33336), (233, 33339), (238, 33351), (245,

33366), (276, 33390), (288, 33423), (304, 33504), (325, 33597), (331, 33633), (334, 33642), (337, 33648), (347, 33708), (392, 33873),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 50

Candidate Starts for Buckeye_33:

(Start: 50 @32391 has 403 MA's), (Start: 80 @32502 has 1 MA's), (96, 32547), (130, 32646), (148, 32706), (161, 32742), (173, 32766), (194, 32811), (196, 32817), (216, 32868), (232, 32907), (233, 32910), (238, 32922), (245, 32937), (276, 32961), (288, 32994), (304, 33075), (314, 33120), (325, 33168), (331, 33204), (334, 33213), (337, 33219), (392, 33444),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 50

Candidate Starts for Burr_32:

(Start: 50 @32068 has 403 MA's), (Start: 80 @32179 has 1 MA's), (96, 32224), (130, 32323), (148, 32383), (161, 32419), (173, 32443), (194, 32488), (196, 32494), (216, 32545), (232, 32584), (233, 32587), (238, 32599), (276, 32638), (288, 32671), (304, 32752), (314, 32797), (325, 32845), (331, 32881), (334, 32890), (337, 32896), (392, 33121),

Gene: CRB2_34 Start: 34225, Stop: 35433, Start Num: 46

Candidate Starts for CRB2_34:

(14, 34009), (38, 34192), (Start: 46 @34225 has 9 MA's), (98, 34387), (109, 34423), (124, 34471), (138, 34516), (158, 34576), (165, 34594), (198, 34660), (204, 34678), (211, 34696), (216, 34711), (218, 34714), (227, 34738), (307, 34933), (326, 35023), (329, 35068), (335, 35083), (349, 35170), (355, 35185), (367, 35236), (377, 35269), (403, 35416),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 50

Candidate Starts for Calamitous_33:

(19, 32550), (Start: 47 @32691 has 9 MA's), (Start: 50 @32697 has 403 MA's), (62, 32736), (69, 32766), (Start: 80 @32811 has 1 MA's), (96, 32856), (130, 32955), (148, 33015), (161, 33051), (173, 33075), (194, 33120), (196, 33126), (216, 33177), (232, 33216), (233, 33219), (238, 33231), (245, 33246), (276, 33270), (288, 33303), (304, 33384), (325, 33477), (331, 33513), (334, 33522), (337, 33528), (392, 33753),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 50

Candidate Starts for Calm_21:

(Start: 48 @21699 has 15 MA's), (Start: 50 @21702 has 403 MA's), (Start: 88 @21828 has 1 MA's), (103, 21870), (107, 21882), (108, 21885), (121, 21918), (123, 21930), (126, 21939), (138, 21978), (142, 21996), (156, 22032), (161, 22047), (189, 22098), (199, 22128), (215, 22170), (224, 22194), (266, 22230), (267, 22236), (277, 22263), (284, 22281), (306, 22374), (307, 22377), (323, 22461), (354, 22599), (360, 22617), (381, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 50

Candidate Starts for CamL_33:

(Start: 50 @32369 has 403 MA's), (Start: 80 @32480 has 1 MA's), (96, 32525), (130, 32624), (148, 32684), (161, 32720), (173, 32744), (194, 32789), (196, 32795), (216, 32846), (232, 32885), (233, 32888), (238, 32900), (245, 32915), (276, 32939), (288, 32972), (304, 33053), (314, 33098), (325, 33146), (331, 33182), (334, 33191), (337, 33197), (392, 33422),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 50

Candidate Starts for CampRoach_33:

(Start: 50 @32359 has 403 MA's), (Start: 80 @32470 has 1 MA's), (96, 32515), (130, 32614), (148, 32674), (161, 32710), (173, 32734), (194, 32779), (196, 32785), (216, 32836), (232, 32875), (233, 32878), (238, 32890), (276, 32929), (288, 32962), (304, 33043), (325, 33136), (331, 33172), (334, 33181), (337, 33187), (392, 33412),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 50

Candidate Starts for Cannibal_33:

(Start: 50 @32352 has 403 MA's), (Start: 80 @32463 has 1 MA's), (96, 32508), (130, 32607), (148, 32667), (161, 32703), (173, 32727), (194, 32772), (196, 32778), (216, 32829), (232, 32868), (233, 32871), (238, 32883), (276, 32922), (288, 32955), (304, 33036), (314, 33081), (325, 33129), (331, 33165), (334, 33174), (337, 33180), (392, 33405),

Gene: Carcharodon_22 Start: 20220, Stop: 21437, Start Num: 85

Candidate Starts for Carcharodon_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 50

Candidate Starts for Carthage_31:

(Start: 50 @31281 has 403 MA's), (Start: 80 @31392 has 1 MA's), (96, 31437), (130, 31536), (148, 31596), (161, 31632), (173, 31656), (194, 31701), (196, 31707), (216, 31758), (232, 31797), (233, 31800), (238, 31812), (276, 31851), (288, 31884), (304, 31965), (314, 32010), (325, 32058), (331, 32094), (334, 32103), (337, 32109), (392, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 50

Candidate Starts for Casbah_32:

(Start: 50 @32071 has 403 MA's), (59, 32104), (105, 32248), (108, 32257), (112, 32266), (124, 32305), (127, 32314), (135, 32332), (138, 32350), (142, 32368), (144, 32374), (150, 32386), (156, 32404), (161, 32419), (181, 32452), (191, 32479), (208, 32524), (242, 32605), (253, 32632), (262, 32650), (267, 32668), (284, 32710), (290, 32734), (306, 32809), (309, 32839), (325, 32899), (327, 32911), (329, 32929), (350, 33028), (351, 33031), (381, 33136), (383, 33142), (386, 33160), (401, 33247),

Gene: Caspiboi_34 Start: 32078, Stop: 33238, Start Num: 50

Candidate Starts for Caspiboi_34:

(Start: 50 @32078 has 403 MA's), (Start: 80 @32189 has 1 MA's), (96, 32234), (130, 32333), (148, 32393), (161, 32429), (173, 32453), (194, 32498), (196, 32504), (216, 32555), (232, 32594), (233, 32597), (238, 32609), (276, 32648), (288, 32681), (304, 32762), (325, 32855), (331, 32891), (334, 32900), (337, 32906), (392, 33131),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 48

Candidate Starts for Cepens_25:

(Start: 45 @29378 has 2 MA's), (Start: 48 @29381 has 15 MA's), (69, 29450), (91, 29519), (100, 29549), (105, 29561), (107, 29567), (108, 29570), (112, 29579), (124, 29618), (127, 29627), (132, 29639), (148, 29696), (153, 29705), (156, 29717), (161, 29732), (186, 29777), (191, 29792), (208, 29837), (235, 29906), (247, 29933), (259, 29957), (275, 30002), (284, 30023), (290, 30047), (306, 30122), (309, 30152), (325, 30212), (327, 30224), (329, 30242), (351, 30344), (383, 30455), (386, 30473), (397, 30524), (401, 30560),

Gene: Cerasum_20 Start: 20087, Stop: 21244, Start Num: 48

Candidate Starts for Cerasum_20:

(Start: 48 @20087 has 15 MA's), (Start: 52 @20090 has 23 MA's), (Start: 88 @20219 has 1 MA's), (98, 20249), (106, 20279), (109, 20288), (115, 20303), (124, 20327), (134, 20351), (137, 20363), (161, 20438), (165, 20447), (172, 20471), (186, 20501), (244, 20585), (245, 20588), (254, 20609), (322, 20858), (325, 20867), (329, 20897), (337, 20918), (346, 20987), (402, 21221),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 50

Candidate Starts for ChaChing_33:

(Start: 50 @32234 has 403 MA's), (59, 32267), (105, 32411), (108, 32420), (112, 32429), (124, 32468), (127, 32477), (135, 32495), (138, 32513), (142, 32531), (144, 32537), (150, 32549), (156, 32567), (161, 32582), (181, 32615), (191, 32642), (208, 32687), (242, 32768), (253, 32795), (262, 32813), (267, 32831), (284, 32873), (290, 32897), (306, 32972), (309, 33002), (325, 33062), (327, 33074), (329, 33092), (351, 33194), (381, 33299), (383, 33305), (386, 33323), (401, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 50

Candidate Starts for Chaelin_33:

(Start: 50 @32066 has 403 MA's), (Start: 80 @32177 has 1 MA's), (96, 32222), (130, 32321), (148, 32381), (161, 32417), (173, 32441), (194, 32486), (196, 32492), (216, 32543), (232, 32582), (233, 32585), (238, 32597), (276, 32636), (288, 32669), (304, 32750), (314, 32795), (325, 32843), (331, 32879), (334, 32888), (337, 32894), (392, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 50

Candidate Starts for Chah_34:

(Start: 50 @32386 has 403 MA's), (Start: 80 @32497 has 1 MA's), (96, 32542), (130, 32641), (148, 32701), (161, 32737), (173, 32761), (194, 32806), (196, 32812), (216, 32863), (232, 32902), (233, 32905), (238, 32917), (276, 32956), (288, 32989), (304, 33070), (314, 33115), (325, 33163), (331, 33199), (334, 33208), (337, 33214), (392, 33439),

Gene: Chalmers_33 Start: 33026, Stop: 34228, Start Num: 50

Candidate Starts for Chalmers_33:

(Start: 50 @33026 has 403 MA's), (59, 33059), (105, 33203), (108, 33212), (112, 33221), (124, 33260), (127, 33269), (135, 33287), (138, 33305), (142, 33323), (144, 33329), (150, 33341), (156, 33359), (161, 33374), (181, 33407), (191, 33434), (208, 33479), (242, 33560), (253, 33587), (262, 33605), (267, 33623), (284, 33665), (290, 33689), (306, 33764), (309, 33794), (325, 33854), (327, 33866), (329, 33884), (351, 33986), (381, 34091), (383, 34097), (386, 34115), (401, 34202),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 50

Candidate Starts for Chandler_33:

(Start: 50 @33002 has 403 MA's), (59, 33035), (105, 33179), (108, 33188), (112, 33197), (124, 33236), (127, 33245), (135, 33263), (138, 33281), (142, 33299), (144, 33305), (150, 33317), (156, 33335), (161, 33350), (181, 33383), (191, 33410), (208, 33455), (242, 33536), (253, 33563), (262, 33581), (267, 33599), (284, 33641), (290, 33665), (306, 33740), (309, 33770), (325, 33830), (327, 33842), (329, 33860), (351, 33962), (381, 34067), (383, 34073), (386, 34091), (401, 34178),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 50

Candidate Starts for Charles1_33:

(Start: 50 @32354 has 403 MA's), (Start: 80 @32465 has 1 MA's), (96, 32510), (130, 32609), (148, 32669), (161, 32705), (173, 32729), (194, 32774), (196, 32780), (216, 32831), (232, 32870), (233, 32873), (238, 32885), (245, 32900), (276, 32924), (288, 32957), (304, 33038), (314, 33083), (325, 33131), (331, 33167), (334, 33176), (337, 33182), (392, 33407),

Gene: Charlie_22 Start: 20220, Stop: 21437, Start Num: 85

Candidate Starts for Charlie_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 50

Candidate Starts for CharlieGBrown_32:

(Start: 50 @31944 has 403 MA's), (Start: 80 @32055 has 1 MA's), (96, 32100), (130, 32199), (148, 32259), (161, 32295), (173, 32319), (194, 32364), (196, 32370), (216, 32421), (232, 32460), (233, 32463), (238, 32475), (245, 32490), (276, 32514), (288, 32547), (304, 32628), (314, 32673), (325,

32721), (331, 32757), (334, 32766), (337, 32772), (392, 32997),

Gene: Chaser_21 Start: 21531, Stop: 22616, Start Num: 65

Candidate Starts for Chaser_21:

(Start: 65 @21531 has 4 MA's), (149, 21783), (164, 21822), (171, 21831), (172, 21834), (187, 21861), (190, 21870), (199, 21894), (223, 21945), (226, 21951), (277, 22005), (327, 22221), (337, 22260), (370, 22401), (378, 22434), (390, 22503),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for CheetO_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (245, 32914), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Chentzyk_32 Start: 32092, Stop: 33294, Start Num: 50

Candidate Starts for Chentzyk_32:

(Start: 50 @32092 has 403 MA's), (59, 32125), (105, 32269), (108, 32278), (112, 32287), (124, 32326), (127, 32335), (135, 32353), (138, 32371), (142, 32389), (144, 32395), (150, 32407), (156, 32425), (161, 32440), (181, 32473), (191, 32500), (208, 32545), (242, 32626), (253, 32653), (262, 32671), (267, 32689), (284, 32731), (290, 32755), (306, 32830), (309, 32860), (325, 32920), (327, 32932), (329, 32950), (351, 33052), (381, 33157), (383, 33163), (386, 33181), (401, 33268),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 50

Candidate Starts for Cher_32:

(Start: 50 @32091 has 403 MA's), (Start: 80 @32202 has 1 MA's), (96, 32247), (130, 32346), (148, 32406), (161, 32442), (173, 32466), (194, 32511), (196, 32517), (216, 32568), (232, 32607), (233, 32610), (238, 32622), (245, 32637), (276, 32661), (288, 32694), (304, 32775), (314, 32820), (325, 32868), (331, 32904), (334, 32913), (337, 32919), (392, 33144),

Gene: Chewbacca_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Chewbacca_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 50

Candidate Starts for Childish_32:

(Start: 50 @32094 has 403 MA's), (Start: 80 @32205 has 1 MA's), (96, 32250), (130, 32349), (148, 32409), (161, 32445), (173, 32469), (194, 32514), (196, 32520), (216, 32571), (232, 32610), (233, 32613), (238, 32625), (245, 32640), (276, 32664), (288, 32697), (304, 32778), (314, 32823), (325, 32871), (331, 32907), (334, 32916), (337, 32922), (392, 33147),

Gene: ChipMunk_34 Start: 25662, Stop: 26558, Start Num: 50

Candidate Starts for ChipMunk_34:

(Start: 50 @25662 has 403 MA's), (124, 25893), (142, 25956), (144, 25962), (175, 26034), (202, 26088), (328, 26424),

Gene: Chipette_34 Start: 32584, Stop: 33744, Start Num: 50

Candidate Starts for Chipette_34:

(Start: 50 @32584 has 403 MA's), (Start: 80 @32695 has 1 MA's), (96, 32740), (130, 32839), (148, 32899), (161, 32935), (173, 32959), (194, 33004), (196, 33010), (216, 33061), (232, 33100), (233, 33103), (238, 33115), (245, 33130), (276, 33154), (288, 33187), (304, 33268), (314, 33313), (325, 33361), (331, 33397), (334, 33406), (337, 33412), (392, 33637),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 50

Candidate Starts for Chorkpop_33:

(Start: 50 @32090 has 403 MA's), (Start: 80 @32201 has 1 MA's), (96, 32246), (130, 32345), (148, 32405), (161, 32441), (173, 32465), (194, 32510), (196, 32516), (216, 32567), (232, 32606), (233, 32609), (238, 32621), (276, 32660), (288, 32693), (304, 32774), (314, 32819), (325, 32867), (331, 32903), (334, 32912), (337, 32918), (392, 33143),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 50

Candidate Starts for ChrisnMich_29:

(Start: 50 @31570 has 403 MA's), (76, 31663), (Start: 80 @31678 has 1 MA's), (87, 31693), (91, 31705), (96, 31723), (127, 31813), (141, 31864), (144, 31873), (146, 31879), (153, 31891), (161, 31918), (174, 31933), (181, 31939), (183, 31945), (198, 31978), (200, 31987), (214, 32020), (237, 32053), (282, 32143), (284, 32149), (305, 32248), (306, 32251), (337, 32395), (372, 32548),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 80

Candidate Starts for Chunky_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 50

Candidate Starts for Chute_32:

(Start: 50 @32415 has 403 MA's), (Start: 80 @32526 has 1 MA's), (96, 32571), (130, 32670), (148, 32730), (161, 32766), (173, 32790), (194, 32835), (196, 32841), (216, 32892), (232, 32931), (233, 32934), (238, 32946), (276, 32985), (288, 33018), (304, 33099), (314, 33144), (325, 33192), (331, 33228), (334, 33237), (337, 33243), (392, 33468),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 48

Candidate Starts for CicholasNage_21:

(Start: 48 @21687 has 15 MA's), (Start: 50 @21690 has 403 MA's), (Start: 88 @21816 has 1 MA's), (103, 21858), (107, 21870), (108, 21873), (121, 21906), (123, 21918), (138, 21966), (142, 21984), (156, 22020), (161, 22035), (189, 22086), (199, 22116), (215, 22158), (224, 22182), (266, 22218), (267, 22224), (277, 22251), (284, 22269), (306, 22362), (307, 22365), (323, 22449), (354, 22587), (360, 22605), (381, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for Clautastrophe_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 52

Candidate Starts for Clifton_19:

(Start: 48 @20214 has 15 MA's), (Start: 52 @20217 has 23 MA's), (74, 20298), (Start: 88 @20346 has 1 MA's), (106, 20406), (109, 20415), (115, 20430), (124, 20454), (134, 20478), (137, 20490), (161, 20565), (165, 20574), (172, 20598), (186, 20628), (244, 20712), (245, 20715), (254, 20736), (304, 20895), (322, 20985), (325, 20994), (329, 21024), (337, 21045), (402, 21348),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 50

Candidate Starts for Cobra_33:

(Start: 50 @32375 has 403 MA's), (Start: 80 @32486 has 1 MA's), (96, 32531), (130, 32630), (148, 32690), (161, 32726), (173, 32750), (194, 32795), (196, 32801), (216, 32852), (232, 32891), (233, 32894), (238, 32906), (245, 32921), (276, 32945), (288, 32978), (304, 33059), (314, 33104), (325, 33152), (331, 33188), (334, 33197), (337, 33203), (392, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 50

Candidate Starts for Coffee_33:

(19, 32653), (Start: 47 @32794 has 9 MA's), (Start: 50 @32800 has 403 MA's), (62, 32839), (69, 32869), (Start: 80 @32914 has 1 MA's), (96, 32959), (130, 33058), (148, 33118), (161, 33154), (173, 33178), (194, 33223), (196, 33229), (216, 33280), (232, 33319), (233, 33322), (238, 33334), (245, 33349), (276, 33373), (288, 33406), (304, 33487), (325, 33580), (331, 33616), (334, 33625), (337, 33631), (392, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 50

Candidate Starts for Colbert_33:

(Start: 50 @32430 has 403 MA's), (Start: 80 @32541 has 1 MA's), (96, 32586), (130, 32685), (148, 32745), (161, 32781), (173, 32805), (194, 32850), (196, 32856), (216, 32907), (232, 32946), (233, 32949), (238, 32961), (276, 33000), (288, 33033), (304, 33114), (314, 33159), (325, 33207), (331, 33243), (334, 33252), (337, 33258), (392, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 50

Candidate Starts for Coletti_32:

(Start: 50 @32415 has 403 MA's), (Start: 80 @32526 has 1 MA's), (96, 32571), (130, 32670), (148, 32730), (161, 32766), (173, 32790), (194, 32835), (196, 32841), (216, 32892), (232, 32931), (233, 32934), (238, 32946), (276, 32985), (288, 33018), (304, 33099), (314, 33144), (325, 33192), (331, 33228), (334, 33237), (337, 33243), (392, 33468),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 50

Candidate Starts for Compostia_34:

(Start: 50 @32649 has 403 MA's), (105, 32826), (108, 32835), (112, 32844), (124, 32883), (127, 32892), (135, 32910), (138, 32928), (142, 32946), (144, 32952), (150, 32964), (156, 32982), (161, 32997), (181, 33030), (191, 33057), (208, 33102), (242, 33183), (253, 33210), (262, 33228), (267, 33246), (284, 33288), (309, 33417), (329, 33507), (351, 33609), (371, 33675), (381, 33714), (393, 33786), (402, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 50

Candidate Starts for Cooper_30:

(Start: 50 @31786 has 403 MA's), (Start: 80 @31894 has 1 MA's), (87, 31909), (91, 31921), (94, 31930), (96, 31939), (105, 31963), (113, 31981), (141, 32080), (144, 32089), (146, 32095), (153, 32107), (161, 32134), (174, 32149), (181, 32155), (183, 32161), (185, 32164), (192, 32182), (198, 32197), (214, 32239), (237, 32272), (253, 32308), (263, 32332), (282, 32362), (284, 32368), (301, 32434), (305, 32467), (306, 32470), (337, 32614), (381, 32803),

Gene: Cornbread_33 Start: 32091, Stop: 33251, Start Num: 50

Candidate Starts for Cornbread_33:

(Start: 50 @32091 has 403 MA's), (Start: 80 @32202 has 1 MA's), (96, 32247), (130, 32346), (148, 32406), (161, 32442), (173, 32466), (194, 32511), (196, 32517), (216, 32568), (232, 32607), (233, 32610), (238, 32622), (245, 32637), (276, 32661), (288, 32694), (304, 32775), (314, 32820), (325, 32868), (331, 32904), (334, 32913), (337, 32919), (392, 33144),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 50

Candidate Starts for Cornobble_32:

(Start: 50 @31929 has 403 MA's), (Start: 80 @32040 has 1 MA's), (96, 32085), (148, 32244), (161, 32280), (173, 32304), (194, 32349), (196, 32355), (216, 32406), (232, 32445), (233, 32448), (238, 32460), (276, 32499), (288, 32532), (304, 32613), (314, 32658), (325, 32706), (331, 32742), (334, 32751), (337, 32757), (392, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 50

Candidate Starts for Cosmolli16_32:

(Start: 50 @32088 has 403 MA's), (Start: 80 @32199 has 1 MA's), (96, 32244), (130, 32343), (148, 32403), (161, 32439), (173, 32463), (194, 32508), (196, 32514), (216, 32565), (225, 32589), (232, 32604), (233, 32607), (238, 32619), (245, 32634), (276, 32658), (288, 32691), (304, 32772), (314, 32817), (325, 32865), (331, 32901), (334, 32910), (337, 32916), (392, 33141),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 50

Candidate Starts for Craff_33:

(Start: 50 @32372 has 403 MA's), (Start: 80 @32483 has 1 MA's), (96, 32528), (130, 32627), (148, 32687), (161, 32723), (173, 32747), (194, 32792), (196, 32798), (216, 32849), (232, 32888), (233, 32891), (238, 32903), (245, 32918), (276, 32942), (288, 32975), (304, 33056), (314, 33101), (325, 33149), (331, 33185), (334, 33194), (337, 33200), (392, 33425),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 50

Candidate Starts for Crownjwl_33:

(Start: 50 @32145 has 403 MA's), (Start: 80 @32256 has 1 MA's), (96, 32301), (130, 32400), (148, 32460), (161, 32496), (173, 32520), (194, 32565), (196, 32571), (216, 32622), (232, 32661), (233, 32664), (238, 32676), (245, 32691), (276, 32715), (288, 32748), (304, 32829), (314, 32874), (325, 32922), (331, 32958), (334, 32967), (337, 32973), (392, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 52

Candidate Starts for Crumble_19:

(Start: 48 @20261 has 15 MA's), (Start: 52 @20264 has 23 MA's), (74, 20345), (Start: 88 @20393 has 1 MA's), (106, 20453), (109, 20462), (115, 20477), (124, 20501), (134, 20525), (137, 20537), (161, 20612), (165, 20621), (172, 20645), (186, 20675), (244, 20759), (245, 20762), (254, 20783), (304, 20942), (322, 21032), (325, 21041), (329, 21071), (337, 21092), (402, 21395),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 50

Candidate Starts for D12_25:

(Start: 45 @29942 has 2 MA's), (Start: 50 @29948 has 403 MA's), (60, 29987), (Start: 80 @30062 has 1 MA's), (82, 30065), (94, 30098), (100, 30119), (105, 30131), (107, 30137), (112, 30149), (124, 30188), (125, 30191), (148, 30266), (156, 30287), (191, 30362), (208, 30407), (220, 30437), (238, 30482), (243, 30491), (245, 30497), (247, 30503), (259, 30527), (275, 30572), (284, 30593), (290, 30617), (306, 30692), (309, 30722), (325, 30782), (327, 30794), (329, 30812), (350, 30911), (351, 30914), (381, 31019), (383, 31025), (393, 31091), (397, 31094), (401, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 50

Candidate Starts for DaddyDaniels_33:

(Start: 50 @32063 has 403 MA's), (Start: 80 @32174 has 1 MA's), (96, 32219), (130, 32318), (148, 32378), (161, 32414), (173, 32438), (194, 32483), (196, 32489), (216, 32540), (232, 32579), (233, 32582), (238, 32594), (245, 32609), (276, 32633), (288, 32666), (304, 32747), (325, 32840), (331, 32876), (334, 32885), (337, 32891), (392, 33116),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 50

Candidate Starts for Daffy_33:

(Start: 50 @32094 has 403 MA's), (Start: 80 @32205 has 1 MA's), (96, 32250), (130, 32349), (148, 32409), (161, 32445), (173, 32469), (194, 32514), (196, 32520), (216, 32571), (232, 32610), (233,

32613), (238, 32625), (276, 32664), (288, 32697), (304, 32778), (314, 32823), (325, 32871), (331, 32907), (334, 32916), (337, 32922), (392, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 50

Candidate Starts for Daisy_33:

(Start: 50 @32246 has 403 MA's), (59, 32279), (105, 32423), (108, 32432), (112, 32441), (124, 32480), (127, 32489), (135, 32507), (138, 32525), (142, 32543), (144, 32549), (150, 32561), (156, 32579), (161, 32594), (181, 32627), (191, 32654), (208, 32699), (242, 32780), (253, 32807), (262, 32825), (267, 32843), (284, 32885), (290, 32909), (306, 32984), (309, 33014), (325, 33074), (327, 33086), (329, 33104), (351, 33206), (381, 33311), (383, 33317), (386, 33335), (401, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for Daka_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 50

Candidate Starts for Dati_33:

(Start: 50 @32088 has 403 MA's), (Start: 80 @32199 has 1 MA's), (96, 32244), (130, 32343), (148, 32403), (161, 32439), (173, 32463), (194, 32508), (196, 32514), (216, 32565), (232, 32604), (233, 32607), (238, 32619), (276, 32658), (288, 32691), (304, 32772), (325, 32865), (331, 32901), (334, 32910), (337, 32916), (392, 33141),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 50

Candidate Starts for Deenasa_33:

(Start: 50 @32985 has 403 MA's), (59, 33018), (105, 33162), (108, 33171), (112, 33180), (124, 33219), (127, 33228), (135, 33246), (138, 33264), (142, 33282), (144, 33288), (150, 33300), (156, 33318), (161, 33333), (181, 33366), (191, 33393), (208, 33438), (242, 33519), (253, 33546), (262, 33564), (267, 33582), (284, 33624), (290, 33648), (306, 33723), (309, 33753), (325, 33813), (327, 33825), (329, 33843), (351, 33945), (381, 34050), (383, 34056), (386, 34074), (401, 34161),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 50

Candidate Starts for DelRivs_32:

(Start: 50 @32089 has 403 MA's), (Start: 80 @32200 has 1 MA's), (96, 32245), (130, 32344), (148, 32404), (161, 32440), (173, 32464), (194, 32509), (196, 32515), (216, 32566), (232, 32605), (233, 32608), (238, 32620), (276, 32659), (288, 32692), (304, 32773), (314, 32818), (325, 32866), (331, 32902), (334, 32911), (337, 32917), (392, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 50

Candidate Starts for Derpp_32:

(Start: 50 @31933 has 403 MA's), (Start: 80 @32044 has 1 MA's), (96, 32089), (130, 32188), (148, 32248), (161, 32284), (173, 32308), (194, 32353), (196, 32359), (216, 32410), (232, 32449), (233, 32452), (238, 32464), (245, 32479), (276, 32503), (288, 32536), (304, 32617), (314, 32662), (325, 32710), (331, 32746), (334, 32755), (337, 32761), (392, 32986),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 50

Candidate Starts for Devonte_33:

(Start: 50 @32210 has 403 MA's), (59, 32243), (105, 32387), (108, 32396), (112, 32405), (124, 32444), (127, 32453), (135, 32471), (138, 32489), (142, 32507), (144, 32513), (150, 32525), (156, 32543), (161, 32558), (181, 32591), (191, 32618), (208, 32663), (242, 32744), (253, 32771), (262, 32789), (267, 32807), (284, 32849), (290, 32873), (306, 32948), (309, 32978), (325, 33038), (327, 33050),

(329, 33068), (351, 33170), (381, 33275), (383, 33281), (386, 33299), (401, 33386),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 50

Candidate Starts for Dice_32:

(Start: 50 @32068 has 403 MA's), (Start: 80 @32179 has 1 MA's), (96, 32224), (130, 32323), (148, 32383), (161, 32419), (173, 32443), (194, 32488), (196, 32494), (216, 32545), (232, 32584), (233, 32587), (238, 32599), (245, 32614), (276, 32638), (288, 32671), (304, 32752), (314, 32797), (325, 32845), (331, 32881), (334, 32890), (337, 32896), (392, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 9

Candidate Starts for DigitDog_32:

(Start: 9 @32179 has 9 MA's), (13, 32218), (22, 32290), (24, 32317), (31, 32368), (34, 32383), (106, 32635), (116, 32665), (121, 32683), (128, 32710), (137, 32737), (169, 32839), (186, 32878), (191, 32893), (220, 32968), (238, 33013), (242, 33019), (245, 33028), (284, 33124), (301, 33190), (306, 33226), (350, 33439), (383, 33550), (404, 33670),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 50

Candidate Starts for Dingo_33:

(Start: 50 @32351 has 403 MA's), (Start: 80 @32462 has 1 MA's), (96, 32507), (130, 32606), (148, 32666), (161, 32702), (173, 32726), (194, 32771), (196, 32777), (216, 32828), (232, 32867), (233, 32870), (238, 32882), (245, 32897), (276, 32921), (288, 32954), (304, 33035), (314, 33080), (325, 33128), (331, 33164), (334, 33173), (337, 33179), (392, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 50

Candidate Starts for Dione_32:

(Start: 50 @32073 has 403 MA's), (Start: 80 @32184 has 1 MA's), (96, 32229), (130, 32328), (148, 32388), (161, 32424), (173, 32448), (194, 32493), (196, 32499), (216, 32550), (232, 32589), (233, 32592), (238, 32604), (245, 32619), (276, 32643), (288, 32676), (304, 32757), (314, 32802), (325, 32850), (331, 32886), (334, 32895), (337, 32901), (392, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 50

Candidate Starts for DirkDirk_21:

(Start: 48 @21668 has 15 MA's), (Start: 50 @21671 has 403 MA's), (Start: 88 @21797 has 1 MA's), (103, 21839), (107, 21851), (108, 21854), (121, 21887), (123, 21899), (138, 21947), (142, 21965), (156, 22001), (161, 22016), (189, 22067), (199, 22097), (215, 22139), (224, 22163), (266, 22199), (267, 22205), (277, 22232), (284, 22250), (306, 22343), (307, 22346), (323, 22430), (354, 22568), (360, 22586), (381, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 50

Candidate Starts for DirtJuice_33:

(Start: 50 @32357 has 403 MA's), (Start: 80 @32468 has 1 MA's), (96, 32513), (130, 32612), (148, 32672), (161, 32708), (173, 32732), (194, 32777), (196, 32783), (216, 32834), (232, 32873), (233, 32876), (238, 32888), (245, 32903), (276, 32927), (288, 32960), (304, 33041), (314, 33086), (325, 33134), (331, 33170), (334, 33179), (337, 33185), (392, 33410),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Doddsville_33:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (276, 32657), (288, 32690), (304, 32771), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 50

Candidate Starts for DoesntMatter_33:

(Start: 50 @32360 has 403 MA's), (Start: 80 @32471 has 1 MA's), (96, 32516), (130, 32615), (148, 32675), (161, 32711), (173, 32735), (194, 32780), (196, 32786), (216, 32837), (232, 32876), (233, 32879), (238, 32891), (276, 32930), (288, 32963), (304, 33044), (314, 33089), (325, 33137), (331, 33173), (334, 33182), (337, 33188), (392, 33413),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 50

Candidate Starts for DonSanchon_32:

(Start: 50 @32067 has 403 MA's), (Start: 80 @32178 has 1 MA's), (96, 32223), (130, 32322), (148, 32382), (161, 32418), (173, 32442), (194, 32487), (196, 32493), (216, 32544), (232, 32583), (233, 32586), (238, 32598), (276, 32637), (288, 32670), (304, 32751), (314, 32796), (325, 32844), (331, 32880), (334, 32889), (337, 32895), (392, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 9

Candidate Starts for Donny_32:

(Start: 9 @32591 has 9 MA's), (10, 32609), (13, 32630), (18, 32684), (29, 32762), (31, 32780), (34, 32795), (36, 32807), (105, 33044), (121, 33095), (128, 33122), (137, 33149), (166, 33236), (169, 33251), (186, 33290), (220, 33380), (245, 33440), (291, 33563), (301, 33602), (306, 33638), (383, 33962), (404, 34082),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 47

Candidate Starts for Dori_29:

(Start: 47 @28828 has 9 MA's), (Start: 50 @28834 has 403 MA's), (55, 28846), (60, 28870), (62, 28873), (69, 28903), (Start: 80 @28948 has 1 MA's), (96, 28993), (97, 28996), (161, 29188), (173, 29212), (177, 29218), (192, 29251), (194, 29257), (196, 29263), (198, 29266), (216, 29314), (243, 29377), (244, 29380), (279, 29413), (301, 29488), (304, 29518), (329, 29641), (332, 29650), (334, 29656),

Gene: Douge_21 Start: 21469, Stop: 22554, Start Num: 65

Candidate Starts for Douge_21:

(Start: 65 @21469 has 4 MA's), (Start: 88 @21547 has 1 MA's), (149, 21721), (164, 21760), (187, 21799), (199, 21832), (243, 21910), (277, 21943), (318, 22105), (370, 22339), (378, 22372), (383, 22396), (390, 22441),

Gene: Douzhi_21 Start: 21427, Stop: 22581, Start Num: 50

Candidate Starts for Douzhi_21:

(Start: 50 @21427 has 403 MA's), (79, 21529), (84, 21541), (108, 21610), (138, 21703), (156, 21757), (168, 21787), (173, 21796), (192, 21835), (211, 21883), (220, 21907), (223, 21919), (262, 21943), (292, 22033), (319, 22150), (322, 22186), (325, 22195), (338, 22252), (343, 22291),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 50

Candidate Starts for DuchessDung_31:

(Start: 50 @31224 has 403 MA's), (Start: 80 @31335 has 1 MA's), (96, 31380), (130, 31479), (148, 31539), (161, 31575), (173, 31599), (194, 31644), (196, 31650), (216, 31701), (232, 31740), (233, 31743), (238, 31755), (276, 31794), (288, 31827), (304, 31908), (325, 32001), (331, 32037), (334, 32046), (337, 32052), (392, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 50

Candidate Starts for Duggie_32:

(Start: 50 @32089 has 403 MA's), (Start: 80 @32200 has 1 MA's), (96, 32245), (130, 32344), (148, 32404), (161, 32440), (173, 32464), (194, 32509), (196, 32515), (216, 32566), (232, 32605), (233, 32608), (238, 32620), (245, 32635), (276, 32659), (288, 32692), (304, 32773), (314, 32818), (325, 32866), (331, 32902), (334, 32911), (337, 32917), (392, 33142),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 50

Candidate Starts for DuncansLeg_22:

(Start: 50 @22232 has 403 MA's), (56, 22259), (79, 22334), (84, 22346), (91, 22364), (107, 22412), (121, 22448), (124, 22463), (126, 22469), (136, 22499), (137, 22502), (138, 22508), (153, 22550), (165, 22586), (173, 22601), (175, 22604), (177, 22607), (181, 22610), (220, 22712), (223, 22724), (248, 22781), (250, 22784), (262, 22808), (284, 22868), (309, 22997), (394, 23375), (396, 23381),

Gene: Duplicity_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Duplicity_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 50

Candidate Starts for Durga_33:

(Start: 50 @32387 has 403 MA's), (Start: 80 @32498 has 1 MA's), (96, 32543), (130, 32642), (148, 32702), (161, 32738), (173, 32762), (194, 32807), (196, 32813), (216, 32864), (232, 32903), (233, 32906), (238, 32918), (245, 32933), (276, 32957), (288, 32990), (304, 33071), (314, 33116), (325, 33164), (331, 33200), (334, 33209), (337, 33215), (392, 33440),

Gene: DyoEdafos_22 Start: 21679, Stop: 22761, Start Num: 65

Candidate Starts for DyoEdafos_22:

(Start: 65 @21679 has 4 MA's), (149, 21931), (164, 21970), (171, 21979), (172, 21982), (187, 22009), (190, 22018), (199, 22042), (225, 22096), (226, 22099), (277, 22153), (307, 22273), (312, 22306), (314, 22309), (327, 22369), (337, 22408), (339, 22423), (361, 22534), (378, 22582),

Gene: EGUunicorn_23 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for EGUunicorn_23:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 50

Candidate Starts for Eaglehorse_33:

(19, 32577), (Start: 47 @32718 has 9 MA's), (Start: 50 @32724 has 403 MA's), (62, 32763), (69, 32793), (Start: 80 @32838 has 1 MA's), (96, 32883), (130, 32982), (148, 33042), (161, 33078), (173, 33102), (194, 33147), (196, 33153), (216, 33204), (232, 33243), (233, 33246), (238, 33258), (245, 33273), (276, 33297), (288, 33330), (304, 33411), (314, 33456), (325, 33504), (331, 33540), (334, 33549), (337, 33555), (392, 33780),

Gene: EastView9101_31 Start: 32241, Stop: 33746, Start Num: 9

Candidate Starts for EastView9101_31:

(Start: 9 @32241 has 9 MA's), (10, 32259), (13, 32280), (18, 32334), (29, 32412), (31, 32430), (34, 32445), (36, 32457), (105, 32694), (121, 32745), (128, 32772), (137, 32799), (166, 32886), (169, 32901), (186, 32940), (220, 33030), (245, 33090), (291, 33213), (301, 33252), (306, 33288), (383, 33612), (404, 33732),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 50

Candidate Starts for Ellson_22:

(Start: 50 @22237 has 403 MA's), (79, 22339), (91, 22369), (94, 22378), (107, 22417), (112, 22429), (124, 22468), (136, 22504), (138, 22513), (150, 22549), (168, 22597), (223, 22729), (226, 22735), (284, 22873), (309, 23002), (323, 23056), (327, 23074), (374, 23266), (395, 23374),

Gene: ElvisPhasley_33 Start: 32409, Stop: 33569, Start Num: 50

Candidate Starts for ElvisPhasley_33:

(Start: 50 @32409 has 403 MA's), (Start: 80 @32520 has 1 MA's), (96, 32565), (130, 32664), (148, 32724), (161, 32760), (173, 32784), (194, 32829), (196, 32835), (216, 32886), (232, 32925), (233, 32928), (238, 32940), (245, 32955), (276, 32979), (288, 33012), (304, 33093), (314, 33138), (325, 33186), (331, 33222), (334, 33231), (337, 33237), (392, 33462),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 50

Candidate Starts for Emiris_33:

(Start: 50 @32358 has 403 MA's), (Start: 80 @32469 has 1 MA's), (96, 32514), (130, 32613), (148, 32673), (161, 32709), (173, 32733), (194, 32778), (196, 32784), (216, 32835), (232, 32874), (233, 32877), (238, 32889), (245, 32904), (276, 32928), (288, 32961), (304, 33042), (314, 33087), (325, 33135), (331, 33171), (334, 33180), (337, 33186), (392, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 50

Candidate Starts for EmpTee_33:

(Start: 50 @32367 has 403 MA's), (Start: 80 @32478 has 1 MA's), (96, 32523), (130, 32622), (148, 32682), (161, 32718), (173, 32742), (194, 32787), (196, 32793), (216, 32844), (232, 32883), (233, 32886), (238, 32898), (276, 32937), (288, 32970), (304, 33051), (314, 33096), (325, 33144), (331, 33180), (334, 33189), (337, 33195), (392, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 50

Candidate Starts for Enceladus_21:

(Start: 48 @21669 has 15 MA's), (Start: 50 @21672 has 403 MA's), (Start: 88 @21798 has 1 MA's), (103, 21840), (107, 21852), (108, 21855), (121, 21888), (123, 21900), (138, 21948), (142, 21966), (156, 22002), (161, 22017), (189, 22068), (199, 22098), (215, 22140), (224, 22164), (266, 22200), (267, 22206), (277, 22233), (284, 22251), (306, 22344), (307, 22347), (323, 22431), (354, 22569), (360, 22587), (381, 22671),

Gene: Epah_29 Start: 31578, Stop: 32735, Start Num: 50

Candidate Starts for Epah_29:

(Start: 50 @31578 has 403 MA's), (76, 31671), (Start: 80 @31686 has 1 MA's), (87, 31701), (91, 31713), (96, 31731), (127, 31821), (141, 31872), (144, 31881), (146, 31887), (153, 31899), (161, 31926), (174, 31941), (181, 31947), (183, 31953), (198, 31986), (200, 31995), (214, 32028), (237, 32061), (282, 32151), (284, 32157), (305, 32256), (306, 32259), (337, 32403), (372, 32556),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 50

Candidate Starts for Eremos_33:

(Start: 50 @32366 has 403 MA's), (96, 32522), (130, 32621), (148, 32681), (161, 32717), (173, 32741), (194, 32786), (196, 32792), (216, 32843), (232, 32882), (233, 32885), (238, 32897), (276, 32936), (288, 32969), (304, 33050), (314, 33095), (325, 33143), (331, 33179), (334, 33188), (337, 33194), (392, 33419),

Gene: Estes_36 Start: 28017, Stop: 29099, Start Num: 92

Candidate Starts for Estes_36:

(89, 28011), (Start: 92 @28017 has 6 MA's), (120, 28092), (137, 28137), (138, 28143), (139, 28149), (144, 28167), (161, 28212), (167, 28227), (176, 28242), (188, 28266), (194, 28287), (215, 28341), (218, 28347), (229, 28377), (288, 28521),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 50

Candidate Starts for Etaye_33:

(Start: 50 @32357 has 403 MA's), (Start: 80 @32468 has 1 MA's), (96, 32513), (130, 32612), (148, 32672), (161, 32708), (173, 32732), (194, 32777), (196, 32783), (216, 32834), (232, 32873), (233, 32876), (238, 32888), (245, 32903), (276, 32927), (288, 32960), (304, 33041), (314, 33086), (325,

33134), (331, 33170), (334, 33179), (337, 33185), (392, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 50

Candidate Starts for Eugenia_33:

(Start: 50 @32376 has 403 MA's), (Start: 80 @32487 has 1 MA's), (96, 32532), (130, 32631), (148, 32691), (161, 32727), (173, 32751), (194, 32796), (196, 32802), (216, 32853), (232, 32892), (233, 32895), (238, 32907), (245, 32922), (276, 32946), (288, 32979), (304, 33060), (314, 33105), (325, 33153), (331, 33189), (334, 33198), (337, 33204), (392, 33429),

Gene: EvilGenius_34 Start: 25671, Stop: 26591, Start Num: 50

Candidate Starts for EvilGenius_34:

(Start: 50 @25671 has 403 MA's), (82, 25779), (118, 25881), (124, 25902), (142, 25965), (202, 26097), (313, 26379), (348, 26529), (364, 26586),

Gene: Fanaw_29 Start: 32276, Stop: 33433, Start Num: 50

Candidate Starts for Fanaw_29:

(Start: 50 @32276 has 403 MA's), (76, 32369), (Start: 80 @32384 has 1 MA's), (87, 32399), (91, 32411), (96, 32429), (113, 32471), (141, 32570), (144, 32579), (153, 32597), (161, 32624), (174, 32639), (181, 32645), (183, 32651), (186, 32657), (198, 32684), (200, 32693), (214, 32726), (237, 32759), (282, 32849), (284, 32855), (295, 32900), (305, 32954), (306, 32957), (337, 33101), (372, 33254),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 50

Candidate Starts for Fang_33:

(Start: 50 @32380 has 403 MA's), (Start: 80 @32491 has 1 MA's), (96, 32536), (130, 32635), (148, 32695), (161, 32731), (173, 32755), (194, 32800), (196, 32806), (216, 32857), (232, 32896), (233, 32899), (238, 32911), (245, 32926), (276, 32950), (288, 32983), (304, 33064), (314, 33109), (325, 33157), (331, 33193), (334, 33202), (337, 33208), (392, 33433),

Gene: FarmResident_21 Start: 21591, Stop: 22598, Start Num: 88

Candidate Starts for FarmResident_21:

(Start: 65 @21513 has 4 MA's), (Start: 88 @21591 has 1 MA's), (149, 21765), (164, 21804), (187, 21843), (197, 21873), (199, 21876), (243, 21954), (277, 21987), (318, 22149), (370, 22383), (378, 22416), (383, 22440), (390, 22485),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 50

Candidate Starts for Faze9_33:

(Start: 47 @32814 has 9 MA's), (Start: 50 @32820 has 403 MA's), (62, 32859), (69, 32889), (Start: 80 @32934 has 1 MA's), (96, 32979), (130, 33078), (148, 33138), (161, 33174), (173, 33198), (194, 33243), (196, 33249), (216, 33300), (232, 33339), (233, 33342), (238, 33354), (245, 33369), (276, 33393), (288, 33426), (304, 33507), (314, 33552), (325, 33600), (331, 33636), (334, 33645), (337, 33651), (392, 33876),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 50

Candidate Starts for Finnry_22:

(Start: 50 @22251 has 403 MA's), (79, 22353), (84, 22365), (91, 22383), (94, 22392), (107, 22431), (121, 22467), (124, 22482), (126, 22488), (136, 22518), (137, 22521), (145, 22557), (153, 22569), (173, 22620), (175, 22623), (200, 22683), (212, 22710), (218, 22725), (220, 22731), (223, 22743), (250, 22803), (262, 22827), (284, 22887), (305, 22983), (309, 23016), (327, 23088), (331, 23112), (337, 23127), (387, 23340), (389, 23352),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for FluffyNinja_33:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: ForDig_28 Start: 30056, Stop: 31282, Start Num: 50

Candidate Starts for ForDig_28:

(Start: 50 @30056 has 403 MA's), (62, 30095), (71, 30137), (74, 30146), (75, 30149), (Start: 80 @30170 has 1 MA's), (96, 30215), (118, 30275), (124, 30296), (125, 30299), (141, 30356), (161, 30410), (162, 30413), (165, 30419), (186, 30458), (194, 30482), (215, 30536), (218, 30542), (220, 30548), (230, 30575), (234, 30584), (254, 30629), (268, 30707), (305, 30842), (313, 30878), (332, 30968), (346, 31028), (362, 31082), (381, 31136),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 50

Candidate Starts for Fortunato_30:

(Start: 50 @32604 has 403 MA's), (76, 32697), (Start: 80 @32712 has 1 MA's), (87, 32727), (91, 32739), (96, 32757), (113, 32799), (141, 32898), (144, 32907), (153, 32925), (161, 32952), (174, 32967), (181, 32973), (183, 32979), (186, 32985), (198, 33012), (200, 33021), (214, 33054), (237, 33087), (282, 33177), (284, 33183), (301, 33249), (304, 33279), (305, 33282), (337, 33429), (372, 33582),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 50

Candidate Starts for Fozzie_32:

(Start: 50 @32389 has 403 MA's), (Start: 80 @32500 has 1 MA's), (96, 32545), (130, 32644), (148, 32704), (161, 32740), (173, 32764), (194, 32809), (196, 32815), (216, 32866), (232, 32905), (233, 32908), (238, 32920), (245, 32935), (276, 32959), (288, 32992), (304, 33073), (314, 33118), (325, 33166), (331, 33202), (334, 33211), (337, 33217), (392, 33442),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 50

Candidate Starts for Frankicide_33:

(Start: 50 @32385 has 403 MA's), (Start: 80 @32496 has 1 MA's), (96, 32541), (130, 32640), (148, 32700), (161, 32736), (173, 32760), (194, 32805), (196, 32811), (216, 32862), (232, 32901), (233, 32904), (238, 32916), (245, 32931), (276, 32955), (288, 32988), (304, 33069), (314, 33114), (325, 33162), (331, 33198), (334, 33207), (337, 33213), (392, 33438),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 50

Candidate Starts for Frederick_30:

(Start: 50 @32610 has 403 MA's), (76, 32703), (Start: 80 @32718 has 1 MA's), (87, 32733), (91, 32745), (96, 32763), (113, 32805), (127, 32853), (141, 32904), (144, 32913), (153, 32931), (161, 32958), (174, 32973), (181, 32979), (183, 32985), (186, 32991), (198, 33018), (200, 33027), (214, 33060), (237, 33093), (263, 33153), (282, 33183), (284, 33189), (295, 33234), (305, 33288), (306, 33291), (337, 33435), (372, 33588),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 50

Candidate Starts for FrenchFry_33:

(19, 32667), (Start: 47 @32808 has 9 MA's), (Start: 50 @32814 has 403 MA's), (62, 32853), (69, 32883), (Start: 80 @32928 has 1 MA's), (96, 32973), (130, 33072), (148, 33132), (161, 33168), (173, 33192), (194, 33237), (196, 33243), (216, 33294), (232, 33333), (233, 33336), (238, 33348), (245, 33363), (276, 33387), (288, 33420), (304, 33501), (325, 33594), (331, 33630), (334, 33639), (337, 33645), (347, 33705), (392, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 50

Candidate Starts for Freya_32:

(Start: 50 @32064 has 403 MA's), (Start: 80 @32175 has 1 MA's), (96, 32220), (130, 32319), (148, 32379), (161, 32415), (173, 32439), (194, 32484), (196, 32490), (216, 32541), (232, 32580), (233, 32583), (238, 32595), (245, 32610), (276, 32634), (288, 32667), (304, 32748), (314, 32793), (325, 32841), (331, 32877), (334, 32886), (337, 32892), (392, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 50

Candidate Starts for FriarPreacher_33:

(Start: 50 @32391 has 403 MA's), (Start: 80 @32502 has 1 MA's), (96, 32547), (130, 32646), (148, 32706), (161, 32742), (173, 32766), (194, 32811), (196, 32817), (216, 32868), (232, 32907), (233, 32910), (238, 32922), (245, 32937), (276, 32961), (288, 32994), (304, 33075), (314, 33120), (325, 33168), (331, 33204), (334, 33213), (337, 33219), (392, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 50

Candidate Starts for Fringe_33:

(Start: 50 @32356 has 403 MA's), (Start: 80 @32467 has 1 MA's), (96, 32512), (130, 32611), (148, 32671), (161, 32707), (173, 32731), (194, 32776), (196, 32782), (216, 32833), (232, 32872), (233, 32875), (238, 32887), (276, 32926), (288, 32959), (304, 33040), (314, 33085), (325, 33133), (331, 33169), (334, 33178), (337, 33184), (392, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 50

Candidate Starts for FugateOSU_32:

(Start: 50 @32069 has 403 MA's), (Start: 80 @32180 has 1 MA's), (96, 32225), (130, 32324), (148, 32384), (161, 32420), (173, 32444), (194, 32489), (196, 32495), (216, 32546), (232, 32585), (233, 32588), (238, 32600), (245, 32615), (276, 32639), (288, 32672), (304, 32753), (314, 32798), (325, 32846), (331, 32882), (334, 32891), (337, 32897), (392, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 51

Candidate Starts for Fulbright_21:

(Start: 51 @20200 has 3 MA's), (74, 20281), (Start: 80 @20308 has 1 MA's), (Start: 88 @20329 has 1 MA's), (106, 20389), (115, 20413), (117, 20419), (124, 20437), (129, 20449), (134, 20461), (137, 20473), (145, 20509), (156, 20533), (161, 20548), (165, 20557), (172, 20581), (179, 20596), (186, 20611), (244, 20695), (245, 20698), (254, 20719), (268, 20740), (271, 20749), (276, 20761), (281, 20770), (337, 21031), (346, 21100), (402, 21334),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 50

Candidate Starts for Funsized_35:

(8, 34694), (33, 35066), (39, 35099), (Start: 50 @35123 has 403 MA's), (94, 35279), (110, 35327), (121, 35354), (124, 35369), (126, 35375), (142, 35432), (161, 35483), (162, 35486), (165, 35492), (173, 35507), (191, 35543), (194, 35552), (232, 35648), (243, 35672), (244, 35675), (305, 35804), (321, 35891), (333, 35945), (402, 36290), (403, 36296),

Gene: Gadget_34 Start: 32229, Stop: 33431, Start Num: 50

Candidate Starts for Gadget_34:

(Start: 50 @32229 has 403 MA's), (59, 32262), (105, 32406), (108, 32415), (112, 32424), (124, 32463), (127, 32472), (135, 32490), (138, 32508), (142, 32526), (144, 32532), (150, 32544), (156, 32562), (161, 32577), (181, 32610), (191, 32637), (208, 32682), (242, 32763), (253, 32790), (262, 32808), (267, 32826), (284, 32868), (309, 32997), (329, 33087), (351, 33189), (368, 33246), (371, 33255), (381, 33294), (393, 33366), (402, 33408),

Gene: Gail_32 Start: 24477, Stop: 25421, Start Num: 50

Candidate Starts for Gail_32:

(Start: 50 @24477 has 403 MA's), (79, 24582), (82, 24588), (87, 24600), (98, 24636), (124, 24711), (142, 24774), (143, 24777), (144, 24780), (204, 24915), (345, 25371),

Gene: GardenSalsa_35 Start: 27841, Stop: 28923, Start Num: 92

Candidate Starts for GardenSalsa_35:

(89, 27835), (Start: 92 @27841 has 6 MA's), (120, 27916), (137, 27961), (138, 27967), (139, 27973), (144, 27991), (161, 28036), (167, 28051), (176, 28066), (188, 28090), (194, 28111), (215, 28165), (218, 28171), (229, 28201), (288, 28345), (296, 28381), (399, 28879),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 50

Candidate Starts for Gareth_32:

(Start: 50 @32072 has 403 MA's), (Start: 80 @32183 has 1 MA's), (96, 32228), (130, 32327), (148, 32387), (161, 32423), (173, 32447), (194, 32492), (196, 32498), (216, 32549), (232, 32588), (233, 32591), (238, 32603), (245, 32618), (276, 32642), (288, 32675), (304, 32756), (314, 32801), (325, 32849), (331, 32885), (334, 32894), (337, 32900), (392, 33125),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 50

Candidate Starts for GeneCoco_33:

(Start: 50 @32381 has 403 MA's), (Start: 80 @32492 has 1 MA's), (96, 32537), (130, 32636), (148, 32696), (161, 32732), (173, 32756), (194, 32801), (196, 32807), (216, 32858), (232, 32897), (233, 32900), (238, 32912), (245, 32927), (276, 32951), (288, 32984), (304, 33065), (314, 33110), (325, 33158), (331, 33194), (334, 33203), (337, 33209), (392, 33434),

Gene: GenevaB15_35 Start: 27886, Stop: 28968, Start Num: 92

Candidate Starts for GenevaB15_35:

(84, 27865), (89, 27880), (Start: 92 @27886 has 6 MA's), (120, 27961), (137, 28006), (138, 28012), (139, 28018), (144, 28036), (148, 28045), (167, 28096), (176, 28111), (188, 28135), (194, 28156), (215, 28210), (218, 28216), (240, 28270), (296, 28426), (385, 28837),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 50

Candidate Starts for Gervas_33:

(Start: 50 @32200 has 403 MA's), (59, 32233), (105, 32377), (108, 32386), (112, 32395), (124, 32434), (127, 32443), (135, 32461), (148, 32512), (153, 32521), (156, 32533), (158, 32539), (161, 32548), (186, 32593), (191, 32608), (208, 32653), (221, 32692), (235, 32722), (243, 32737), (247, 32749), (259, 32773), (275, 32818), (284, 32839), (290, 32863), (306, 32938), (309, 32968), (325, 33028), (327, 33040), (329, 33058), (351, 33160), (381, 33265), (383, 33271), (386, 33289), (401, 33376),

Gene: Gex_22 Start: 20219, Stop: 21433, Start Num: 86

Candidate Starts for Gex_22:

(15, 19889), (53, 20087), (Start: 85 @20216 has 6 MA's), (Start: 86 @20219 has 14 MA's), (177, 20480), (245, 20651), (293, 20801), (300, 20840), (320, 20942), (324, 20984), (396, 21356),

Gene: GinPorsche_29 Start: 31578, Stop: 32735, Start Num: 50

Candidate Starts for GinPorsche_29:

(Start: 50 @31578 has 403 MA's), (76, 31671), (Start: 80 @31686 has 1 MA's), (87, 31701), (91, 31713), (96, 31731), (127, 31821), (141, 31872), (144, 31881), (146, 31887), (153, 31899), (161, 31926), (174, 31941), (181, 31947), (183, 31953), (198, 31986), (200, 31995), (214, 32028), (237, 32061), (282, 32151), (284, 32157), (305, 32256), (306, 32259), (337, 32403), (372, 32556),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 50

Candidate Starts for Giraffe_33:

(Start: 50 @32075 has 403 MA's), (Start: 80 @32186 has 1 MA's), (96, 32231), (130, 32330), (148, 32390), (161, 32426), (173, 32450), (194, 32495), (196, 32501), (216, 32552), (232, 32591), (233, 32594), (238, 32606), (245, 32621), (276, 32645), (288, 32678), (304, 32759), (314, 32804), (325, 32852), (331, 32888), (334, 32897), (337, 32903), (392, 33128),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 50

Candidate Starts for Glass_33:

(Start: 47 @32808 has 9 MA's), (Start: 50 @32814 has 403 MA's), (62, 32853), (69, 32883), (Start: 80 @32928 has 1 MA's), (96, 32973), (130, 33072), (148, 33132), (161, 33168), (173, 33192), (194, 33237), (196, 33243), (216, 33294), (232, 33333), (233, 33336), (238, 33348), (245, 33363), (276, 33387), (288, 33420), (304, 33501), (314, 33546), (325, 33594), (331, 33630), (334, 33639), (337, 33645), (392, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 50

Candidate Starts for GlenHope_34:

(Start: 50 @32212 has 403 MA's), (105, 32389), (108, 32398), (112, 32407), (124, 32446), (127, 32455), (135, 32473), (138, 32491), (142, 32509), (144, 32515), (150, 32527), (156, 32545), (161, 32560), (181, 32593), (191, 32620), (208, 32665), (242, 32746), (253, 32773), (262, 32791), (267, 32809), (284, 32851), (309, 32980), (329, 33070), (351, 33172), (371, 33238), (381, 33277), (393, 33349), (402, 33391),

Gene: Glubnar_33 Start: 32212, Stop: 33414, Start Num: 50

Candidate Starts for Glubnar_33:

(Start: 50 @32212 has 403 MA's), (59, 32245), (105, 32389), (108, 32398), (112, 32407), (124, 32446), (127, 32455), (135, 32473), (148, 32524), (153, 32533), (156, 32545), (158, 32551), (161, 32560), (186, 32605), (191, 32620), (208, 32665), (221, 32704), (235, 32734), (243, 32749), (247, 32761), (259, 32785), (277, 32833), (280, 32839), (282, 32845), (284, 32851), (290, 32875), (306, 32950), (309, 32980), (325, 33040), (327, 33052), (329, 33070), (350, 33169), (351, 33172), (381, 33277), (383, 33283), (386, 33301), (401, 33388),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 47

Candidate Starts for GodPhather_26:

(Start: 47 @30204 has 9 MA's), (Start: 50 @30210 has 403 MA's), (62, 30249), (69, 30279), (Start: 80 @30324 has 1 MA's), (96, 30369), (130, 30468), (148, 30528), (161, 30564), (173, 30588), (194, 30633), (196, 30639), (216, 30690), (232, 30729), (233, 30732), (238, 30744), (245, 30759), (276, 30783), (288, 30816), (304, 30897), (314, 30942), (325, 30990), (331, 31026), (334, 31035), (337, 31041), (392, 31266),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 48

Candidate Starts for Godines_33:

(21, 32547), (Start: 45 @32688 has 2 MA's), (Start: 48 @32691 has 15 MA's), (69, 32760), (91, 32829), (100, 32859), (105, 32871), (107, 32877), (108, 32880), (112, 32889), (124, 32928), (127, 32937), (132, 32949), (148, 33006), (156, 33027), (161, 33042), (186, 33087), (191, 33102), (208, 33147), (235, 33216), (247, 33243), (259, 33267), (275, 33312), (284, 33333), (290, 33357), (306, 33432), (309, 33462), (325, 33522), (327, 33534), (329, 33552), (351, 33654), (383, 33765), (386, 33783), (397, 33834), (401, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 50

Candidate Starts for Gophee_33:

(Start: 50 @32358 has 403 MA's), (Start: 80 @32469 has 1 MA's), (96, 32514), (130, 32613), (148, 32673), (161, 32709), (173, 32733), (194, 32778), (196, 32784), (216, 32835), (232, 32874), (233, 32877), (238, 32889), (276, 32928), (288, 32961), (304, 33042), (314, 33087), (325, 33135), (331, 33171), (334, 33180), (337, 33186), (392, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 50

Candidate Starts for Grand2040_32:

(Start: 50 @32090 has 403 MA's), (Start: 80 @32201 has 1 MA's), (96, 32246), (130, 32345), (148, 32405), (161, 32441), (173, 32465), (194, 32510), (196, 32516), (216, 32567), (232, 32606), (233, 32609), (238, 32621), (245, 32636), (276, 32660), (288, 32693), (304, 32774), (314, 32819), (325, 32867), (331, 32903), (334, 32912), (337, 32918), (392, 33143),

Gene: GreaseLightnin_22 Start: 21355, Stop: 22509, Start Num: 52

Candidate Starts for GreaseLightnin_22:

(12, 21118), (17, 21160), (20, 21190), (Start: 23 @21220 has 1 MA's), (25, 21229), (32, 21280), (43, 21334), (Start: 52 @21355 has 23 MA's), (74, 21436), (Start: 88 @21484 has 1 MA's), (106, 21544), (109, 21553), (115, 21568), (124, 21592), (134, 21616), (137, 21628), (161, 21703), (165, 21712), (172, 21736), (186, 21766), (244, 21850), (245, 21853), (254, 21874), (304, 22033), (322, 22123), (325, 22132), (329, 22162), (337, 22183), (402, 22486),

Gene: Gwennie1_33 Start: 32439, Stop: 33599, Start Num: 50

Candidate Starts for Gwennie1_33:

(Start: 50 @32439 has 403 MA's), (Start: 80 @32550 has 1 MA's), (96, 32595), (130, 32694), (148, 32754), (161, 32790), (173, 32814), (194, 32859), (196, 32865), (216, 32916), (232, 32955), (233, 32958), (238, 32970), (276, 33009), (288, 33042), (304, 33123), (314, 33168), (325, 33216), (331, 33252), (334, 33261), (337, 33267), (392, 33492),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 50

Candidate Starts for Gwilliam_33:

(Start: 50 @32370 has 403 MA's), (Start: 80 @32481 has 1 MA's), (96, 32526), (130, 32625), (148, 32685), (161, 32721), (173, 32745), (194, 32790), (196, 32796), (216, 32847), (232, 32886), (233, 32889), (238, 32901), (245, 32916), (276, 32940), (288, 32973), (304, 33054), (314, 33099), (325, 33147), (331, 33183), (334, 33192), (337, 33198), (392, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 50

Candidate Starts for Gyarad_0033:

(Start: 50 @32372 has 403 MA's), (Start: 80 @32483 has 1 MA's), (96, 32528), (130, 32627), (148, 32687), (161, 32723), (173, 32747), (194, 32792), (196, 32798), (216, 32849), (232, 32888), (233, 32891), (238, 32903), (245, 32918), (276, 32942), (288, 32975), (304, 33056), (314, 33101), (325, 33149), (331, 33185), (334, 33194), (337, 33200), (392, 33425),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 50

Candidate Starts for HSavage_33:

(Start: 50 @32376 has 403 MA's), (Start: 80 @32487 has 1 MA's), (96, 32532), (130, 32631), (148, 32691), (161, 32727), (173, 32751), (194, 32796), (196, 32802), (216, 32853), (232, 32892), (233, 32895), (238, 32907), (245, 32922), (276, 32946), (288, 32979), (304, 33060), (314, 33105), (325, 33153), (331, 33189), (334, 33198), (337, 33204), (392, 33429),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 50

Candidate Starts for Haimas_33:

(Start: 50 @32367 has 403 MA's), (Start: 80 @32478 has 1 MA's), (96, 32523), (130, 32622), (148, 32682), (161, 32718), (173, 32742), (194, 32787), (196, 32793), (216, 32844), (232, 32883), (233, 32886), (238, 32898), (245, 32913), (276, 32937), (288, 32970), (304, 33051), (314, 33096), (325, 33144), (331, 33180), (334, 33189), (337, 33195), (392, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 50

Candidate Starts for Haleema_32:

(Start: 50 @32090 has 403 MA's), (Start: 80 @32201 has 1 MA's), (96, 32246), (130, 32345), (148, 32405), (161, 32441), (173, 32465), (194, 32510), (196, 32516), (216, 32567), (232, 32606), (233, 32609), (238, 32621), (245, 32636), (276, 32660), (288, 32693), (304, 32774), (314, 32819), (325,

32867), (331, 32903), (334, 32912), (337, 32918), (392, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 50

Candidate Starts for Halena_21:

(Start: 48 @21696 has 15 MA's), (Start: 50 @21699 has 403 MA's), (Start: 88 @21825 has 1 MA's), (103, 21867), (107, 21879), (108, 21882), (121, 21915), (123, 21927), (138, 21975), (142, 21993), (156, 22029), (161, 22044), (189, 22095), (199, 22125), (215, 22167), (224, 22191), (266, 22227), (267, 22233), (277, 22260), (284, 22278), (306, 22371), (307, 22374), (323, 22458), (354, 22596), (360, 22614), (381, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 50

Candidate Starts for Halfpint_32:

(Start: 50 @32038 has 403 MA's), (105, 32215), (108, 32224), (112, 32233), (124, 32272), (127, 32281), (135, 32299), (138, 32317), (142, 32335), (144, 32341), (150, 32353), (156, 32371), (161, 32386), (191, 32446), (208, 32491), (242, 32572), (253, 32599), (262, 32617), (267, 32635), (284, 32677), (309, 32806), (329, 32896), (351, 32998), (368, 33055), (371, 33064), (381, 33103), (393, 33175), (402, 33217),

Gene: Hally898_29 Start: 31590, Stop: 32747, Start Num: 50

Candidate Starts for Hally898_29:

(Start: 50 @31590 has 403 MA's), (76, 31683), (Start: 80 @31698 has 1 MA's), (87, 31713), (91, 31725), (96, 31743), (127, 31833), (141, 31884), (144, 31893), (146, 31899), (153, 31911), (161, 31938), (174, 31953), (181, 31959), (183, 31965), (198, 31998), (200, 32007), (214, 32040), (237, 32073), (282, 32163), (284, 32169), (305, 32268), (306, 32271), (337, 32415), (372, 32568),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 50

Candidate Starts for Hamish_33:

(Start: 50 @32359 has 403 MA's), (Start: 80 @32470 has 1 MA's), (96, 32515), (130, 32614), (148, 32674), (161, 32710), (173, 32734), (194, 32779), (196, 32785), (216, 32836), (232, 32875), (233, 32878), (238, 32890), (245, 32905), (276, 32929), (288, 32962), (304, 33043), (314, 33088), (325, 33136), (331, 33172), (334, 33181), (337, 33187), (392, 33412),

Gene: Hanako_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for Hanako_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 50

Candidate Starts for Hangman_30:

(Start: 50 @32602 has 403 MA's), (76, 32695), (Start: 80 @32710 has 1 MA's), (87, 32725), (91, 32737), (96, 32755), (113, 32797), (141, 32896), (144, 32905), (153, 32923), (174, 32965), (181, 32971), (183, 32977), (186, 32983), (198, 33010), (200, 33019), (214, 33052), (237, 33085), (263, 33145), (282, 33175), (284, 33181), (289, 33202), (295, 33226), (305, 33280), (306, 33283), (337, 33427),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 50

Candidate Starts for Hartsy_33:

(Start: 50 @32410 has 403 MA's), (Start: 80 @32521 has 1 MA's), (96, 32566), (130, 32665), (148, 32725), (161, 32761), (173, 32785), (194, 32830), (196, 32836), (216, 32887), (232, 32926), (233, 32929), (238, 32941), (276, 32980), (288, 33013), (304, 33094), (325, 33187), (331, 33223), (334,

33232), (337, 33238), (392, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 50

Candidate Starts for Harvey_33:

(Start: 50 @32385 has 403 MA's), (Start: 80 @32496 has 1 MA's), (96, 32541), (130, 32640), (148, 32700), (161, 32736), (173, 32760), (194, 32805), (196, 32811), (216, 32862), (232, 32901), (233, 32904), (238, 32916), (276, 32955), (288, 32988), (304, 33069), (314, 33114), (325, 33162), (331, 33198), (334, 33207), (337, 33213), (392, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 50

Candidate Starts for HarveySr_33:

(Start: 50 @32202 has 403 MA's), (59, 32235), (105, 32379), (108, 32388), (112, 32397), (124, 32436), (127, 32445), (135, 32463), (138, 32481), (142, 32499), (144, 32505), (150, 32517), (156, 32535), (161, 32550), (181, 32583), (191, 32610), (208, 32655), (242, 32736), (253, 32763), (262, 32781), (267, 32799), (284, 32841), (309, 32970), (329, 33060), (351, 33162), (368, 33219), (371, 33228), (381, 33267), (393, 33339), (402, 33381),

Gene: Hashim76_35 Start: 31239, Stop: 32393, Start Num: 46

Candidate Starts for Hashim76_35:

(Start: 46 @31239 has 9 MA's), (Start: 80 @31356 has 1 MA's), (102, 31416), (109, 31437), (114, 31446), (124, 31485), (127, 31494), (141, 31545), (163, 31605), (181, 31632), (198, 31674), (208, 31704), (227, 31752), (290, 31854), (293, 31866), (305, 31941), (326, 32037), (330, 32067), (337, 32085), (341, 32121), (373, 32223),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 50

Candidate Starts for Heath_29:

(Start: 50 @32206 has 403 MA's), (76, 32299), (Start: 80 @32314 has 1 MA's), (87, 32329), (91, 32341), (96, 32359), (113, 32401), (141, 32500), (144, 32509), (153, 32527), (161, 32554), (174, 32569), (181, 32575), (183, 32581), (186, 32587), (198, 32614), (200, 32623), (214, 32656), (237, 32689), (245, 32707), (263, 32749), (282, 32779), (284, 32785), (289, 32806), (305, 32884), (306, 32887), (317, 32932), (337, 33031), (372, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 50

Candidate Starts for Heathcliff_33:

(Start: 50 @32184 has 403 MA's), (59, 32217), (105, 32361), (108, 32370), (112, 32379), (124, 32418), (127, 32427), (135, 32445), (138, 32463), (142, 32481), (144, 32487), (150, 32499), (156, 32517), (161, 32532), (181, 32565), (191, 32592), (208, 32637), (242, 32718), (253, 32745), (262, 32763), (267, 32781), (284, 32823), (290, 32847), (306, 32922), (309, 32952), (325, 33012), (327, 33024), (329, 33042), (351, 33144), (381, 33249), (383, 33255), (386, 33273), (401, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 50

Candidate Starts for Hedgerow_33:

(19, 32649), (Start: 47 @32790 has 9 MA's), (Start: 50 @32796 has 403 MA's), (62, 32835), (69, 32865), (Start: 80 @32910 has 1 MA's), (96, 32955), (130, 33054), (148, 33114), (161, 33150), (173, 33174), (194, 33219), (196, 33225), (216, 33276), (232, 33315), (233, 33318), (238, 33330), (245, 33345), (276, 33369), (288, 33402), (304, 33483), (325, 33576), (331, 33612), (334, 33621), (337, 33627), (347, 33687), (392, 33852),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 50

Candidate Starts for Held_33:

(Start: 50 @32074 has 403 MA's), (Start: 80 @32185 has 1 MA's), (96, 32230), (130, 32329), (148, 32389), (161, 32425), (173, 32449), (194, 32494), (196, 32500), (216, 32551), (232, 32590), (233, 32593), (238, 32605), (245, 32620), (276, 32644), (288, 32677), (304, 32758), (314, 32803), (325,

32851), (331, 32887), (334, 32896), (337, 32902), (392, 33127),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 50

Candidate Starts for HenryJackson_32:

(Start: 50 @32090 has 403 MA's), (Start: 80 @32201 has 1 MA's), (96, 32246), (130, 32345), (148, 32405), (161, 32441), (173, 32465), (194, 32510), (196, 32516), (216, 32567), (232, 32606), (233, 32609), (238, 32621), (245, 32636), (276, 32660), (288, 32693), (304, 32774), (314, 32819), (325, 32867), (331, 32903), (334, 32912), (337, 32918), (392, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 50

Candidate Starts for Hertubise_33:

(Start: 50 @32381 has 403 MA's), (Start: 80 @32492 has 1 MA's), (96, 32537), (130, 32636), (148, 32696), (161, 32732), (173, 32756), (194, 32801), (196, 32807), (216, 32858), (232, 32897), (233, 32900), (238, 32912), (245, 32927), (276, 32951), (288, 32984), (304, 33065), (314, 33110), (325, 33158), (331, 33194), (334, 33203), (337, 33209), (392, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 50

Candidate Starts for Hetaeria_33:

(Start: 50 @32383 has 403 MA's), (Start: 80 @32494 has 1 MA's), (96, 32539), (130, 32638), (148, 32698), (161, 32734), (173, 32758), (194, 32803), (196, 32809), (216, 32860), (232, 32899), (233, 32902), (238, 32914), (276, 32953), (288, 32986), (304, 33067), (314, 33112), (325, 33160), (331, 33196), (334, 33205), (337, 33211), (392, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 50

Candidate Starts for HighStump_32:

(Start: 50 @32073 has 403 MA's), (Start: 80 @32184 has 1 MA's), (96, 32229), (130, 32328), (148, 32388), (161, 32424), (173, 32448), (194, 32493), (196, 32499), (216, 32550), (232, 32589), (233, 32592), (238, 32604), (245, 32619), (276, 32643), (288, 32676), (304, 32757), (314, 32802), (325, 32850), (331, 32886), (334, 32895), (337, 32901), (392, 33126),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 50

Candidate Starts for Hocus_32:

(Start: 50 @32082 has 403 MA's), (Start: 80 @32193 has 1 MA's), (96, 32238), (130, 32337), (148, 32397), (161, 32433), (173, 32457), (194, 32502), (196, 32508), (216, 32559), (232, 32598), (233, 32601), (238, 32613), (276, 32652), (288, 32685), (304, 32766), (314, 32811), (325, 32859), (331, 32895), (334, 32904), (337, 32910), (392, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 50

Candidate Starts for Holeinone_33:

(19, 32529), (Start: 47 @32670 has 9 MA's), (Start: 50 @32676 has 403 MA's), (62, 32715), (69, 32745), (Start: 80 @32790 has 1 MA's), (96, 32835), (130, 32934), (148, 32994), (161, 33030), (173, 33054), (194, 33099), (196, 33105), (216, 33156), (232, 33195), (233, 33198), (238, 33210), (245, 33225), (276, 33249), (288, 33282), (304, 33363), (325, 33456), (331, 33492), (334, 33501), (337, 33507), (392, 33732),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 50

Candidate Starts for Horchata_33:

(Start: 50 @32361 has 403 MA's), (Start: 80 @32472 has 1 MA's), (96, 32517), (130, 32616), (148, 32676), (161, 32712), (173, 32736), (194, 32781), (196, 32787), (216, 32838), (232, 32877), (233, 32880), (238, 32892), (245, 32907), (276, 32931), (288, 32964), (304, 33045), (314, 33090), (325, 33138), (331, 33174), (334, 33183), (337, 33189), (392, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 50

Candidate Starts for Hosp_025:

(Start: 50 @28263 has 403 MA's), (62, 28302), (75, 28353), (Start: 80 @28374 has 1 MA's), (87, 28389), (96, 28419), (118, 28479), (124, 28500), (125, 28503), (141, 28560), (161, 28614), (162, 28617), (165, 28623), (214, 28737), (243, 28806), (268, 28911), (304, 29043), (306, 29049), (332, 29172), (346, 29232), (362, 29286), (367, 29292), (381, 29340),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 50

Candidate Starts for Hydro_30:

(Start: 50 @32619 has 403 MA's), (76, 32712), (Start: 80 @32727 has 1 MA's), (87, 32742), (91, 32754), (96, 32772), (113, 32814), (141, 32913), (144, 32922), (153, 32940), (161, 32967), (174, 32982), (181, 32988), (183, 32994), (186, 33000), (198, 33027), (200, 33036), (214, 33069), (237, 33102), (263, 33162), (282, 33192), (284, 33198), (295, 33243), (305, 33297), (306, 33300), (337, 33444), (372, 33597),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 50

Candidate Starts for ImtiyazSitla_32:

(Start: 50 @31924 has 403 MA's), (Start: 80 @32035 has 1 MA's), (96, 32080), (130, 32179), (148, 32239), (161, 32275), (173, 32299), (194, 32344), (196, 32350), (216, 32401), (232, 32440), (233, 32443), (238, 32455), (245, 32470), (276, 32494), (288, 32527), (304, 32608), (314, 32653), (325, 32701), (331, 32737), (334, 32746), (337, 32752), (392, 32977),

Gene: Imvubu_25 Start: 28919, Stop: 30094, Start Num: 46

Candidate Starts for Imvubu_25:

(Start: 46 @28919 has 9 MA's), (74, 29009), (Start: 80 @29036 has 1 MA's), (90, 29057), (109, 29117), (114, 29126), (124, 29165), (127, 29174), (135, 29192), (141, 29225), (163, 29285), (198, 29354), (204, 29372), (214, 29399), (220, 29414), (223, 29426), (290, 29534), (359, 29858), (379, 29933), (383, 29954), (388, 29984), (402, 30071),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 50

Candidate Starts for Inchworm_33:

(Start: 50 @32359 has 403 MA's), (Start: 80 @32470 has 1 MA's), (96, 32515), (130, 32614), (148, 32674), (161, 32710), (173, 32734), (194, 32779), (196, 32785), (216, 32836), (232, 32875), (233, 32878), (238, 32890), (245, 32905), (276, 32929), (288, 32962), (304, 33043), (314, 33088), (325, 33136), (331, 33172), (334, 33181), (337, 33187), (392, 33412),

Gene: Indlovu_29 Start: 31250, Stop: 32386, Start Num: 46

Candidate Starts for Indlovu_29:

(38, 31217), (Start: 46 @31250 has 9 MA's), (Start: 80 @31367 has 1 MA's), (109, 31448), (115, 31463), (124, 31496), (127, 31505), (144, 31565), (156, 31595), (165, 31619), (216, 31736), (294, 31877), (316, 31985), (327, 32042),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for Inverness_33:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: Iridessa_33 Start: 32075, Stop: 33235, Start Num: 50

Candidate Starts for Iridessa_33:

(Start: 50 @32075 has 403 MA's), (Start: 80 @32186 has 1 MA's), (96, 32231), (130, 32330), (148, 32390), (161, 32426), (173, 32450), (194, 32495), (196, 32501), (216, 32552), (232, 32591), (233, 32594), (238, 32606), (276, 32645), (288, 32678), (304, 32759), (325, 32852), (331, 32888), (334,

32897), (337, 32903), (392, 33128),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 50

Candidate Starts for Iridoclysis_33:

(Start: 50 @32353 has 403 MA's), (Start: 80 @32464 has 1 MA's), (96, 32509), (130, 32608), (148, 32668), (161, 32704), (173, 32728), (194, 32773), (196, 32779), (216, 32830), (232, 32869), (233, 32872), (238, 32884), (276, 32923), (288, 32956), (304, 33037), (314, 33082), (325, 33130), (331, 33166), (334, 33175), (337, 33181), (392, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for IsaacEli_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 50

Candidate Starts for ItsyBitsy1_33:

(19, 32531), (Start: 47 @32672 has 9 MA's), (Start: 50 @32678 has 403 MA's), (62, 32717), (69, 32747), (Start: 80 @32792 has 1 MA's), (96, 32837), (130, 32936), (148, 32996), (161, 33032), (173, 33056), (194, 33101), (196, 33107), (216, 33158), (232, 33197), (233, 33200), (238, 33212), (245, 33227), (276, 33251), (288, 33284), (304, 33365), (325, 33458), (331, 33494), (334, 33503), (337, 33509), (392, 33734),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 50

Candidate Starts for JAMaL_30:

(Start: 50 @32789 has 403 MA's), (76, 32882), (Start: 80 @32897 has 1 MA's), (87, 32912), (91, 32924), (96, 32942), (127, 33032), (141, 33083), (144, 33092), (146, 33098), (153, 33110), (161, 33137), (174, 33152), (181, 33158), (183, 33164), (198, 33197), (200, 33206), (214, 33239), (237, 33272), (282, 33362), (284, 33368), (305, 33467), (306, 33470), (337, 33614), (372, 33767),

Gene: JDog_32 Start: 32090, Stop: 33250, Start Num: 50

Candidate Starts for JDog_32:

(Start: 50 @32090 has 403 MA's), (Start: 80 @32201 has 1 MA's), (96, 32246), (130, 32345), (148, 32405), (161, 32441), (173, 32465), (194, 32510), (196, 32516), (216, 32567), (232, 32606), (233, 32609), (238, 32621), (245, 32636), (276, 32660), (288, 32693), (304, 32774), (314, 32819), (325, 32867), (331, 32903), (334, 32912), (337, 32918), (392, 33143),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 50

Candidate Starts for JacAttac_33:

(Start: 50 @32359 has 403 MA's), (Start: 80 @32470 has 1 MA's), (96, 32515), (130, 32614), (148, 32674), (161, 32710), (173, 32734), (194, 32779), (196, 32785), (216, 32836), (232, 32875), (233, 32878), (238, 32890), (245, 32905), (276, 32929), (288, 32962), (304, 33043), (314, 33088), (325, 33136), (331, 33172), (334, 33181), (337, 33187), (392, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 50

Candidate Starts for Jackstina_30:

(Start: 50 @32142 has 403 MA's), (59, 32175), (105, 32319), (108, 32328), (112, 32337), (124, 32376), (127, 32385), (135, 32403), (138, 32421), (142, 32439), (144, 32445), (150, 32457), (156, 32475), (161, 32490), (181, 32523), (191, 32550), (208, 32595), (242, 32676), (253, 32703), (262, 32721), (267, 32739), (284, 32781), (309, 32910), (329, 33000), (351, 33102), (368, 33159), (371, 33168), (381, 33207), (393, 33279), (402, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 50

Candidate Starts for JaguarMi_30:

(Start: 50 @32084 has 403 MA's), (76, 32177), (Start: 80 @32192 has 1 MA's), (87, 32207), (91, 32219), (96, 32237), (105, 32261), (113, 32279), (117, 32294), (141, 32378), (144, 32387), (153, 32405), (174, 32447), (181, 32453), (183, 32459), (186, 32465), (198, 32492), (200, 32501), (214, 32534), (237, 32567), (263, 32627), (282, 32657), (284, 32663), (305, 32762), (306, 32765), (328, 32876), (337, 32909), (372, 33062), (379, 33086), (381, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 50

Candidate Starts for JakeO_32:

(Start: 50 @32092 has 403 MA's), (Start: 80 @32203 has 1 MA's), (96, 32248), (130, 32347), (148, 32407), (161, 32443), (173, 32467), (194, 32512), (196, 32518), (216, 32569), (232, 32608), (233, 32611), (238, 32623), (245, 32638), (276, 32662), (288, 32695), (304, 32776), (325, 32869), (331, 32905), (334, 32914), (337, 32920), (392, 33145),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for Jamie19_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 50

Candidate Starts for JangoPhett_33:

(Start: 50 @32361 has 403 MA's), (Start: 80 @32472 has 1 MA's), (96, 32517), (130, 32616), (148, 32676), (161, 32712), (173, 32736), (194, 32781), (196, 32787), (216, 32838), (232, 32877), (233, 32880), (238, 32892), (276, 32931), (288, 32964), (304, 33045), (314, 33090), (325, 33138), (331, 33174), (334, 33183), (337, 33189), (392, 33414),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 47

Candidate Starts for Jeon_25:

(Start: 47 @29946 has 9 MA's), (Start: 50 @29952 has 403 MA's), (62, 29991), (69, 30021), (Start: 80 @30066 has 1 MA's), (96, 30111), (130, 30210), (148, 30270), (161, 30306), (173, 30330), (194, 30375), (196, 30381), (216, 30432), (232, 30471), (233, 30474), (238, 30486), (245, 30501), (276, 30525), (288, 30558), (304, 30639), (314, 30684), (325, 30732), (331, 30768), (334, 30777), (337, 30783), (392, 31008),

Gene: Jesabah_33 Start: 32092, Stop: 33252, Start Num: 50

Candidate Starts for Jesabah_33:

(Start: 50 @32092 has 403 MA's), (Start: 80 @32203 has 1 MA's), (96, 32248), (130, 32347), (148, 32407), (161, 32443), (173, 32467), (194, 32512), (196, 32518), (216, 32569), (232, 32608), (233, 32611), (238, 32623), (245, 32638), (276, 32662), (288, 32695), (304, 32776), (314, 32821), (325, 32869), (331, 32905), (334, 32914), (337, 32920), (392, 33145),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 50

Candidate Starts for Jillium_32:

(Start: 50 @32083 has 403 MA's), (Start: 80 @32194 has 1 MA's), (96, 32239), (130, 32338), (148, 32398), (161, 32434), (173, 32458), (194, 32503), (196, 32509), (216, 32560), (232, 32599), (233, 32602), (238, 32614), (245, 32629), (276, 32653), (288, 32686), (304, 32767), (314, 32812), (325, 32860), (331, 32896), (334, 32905), (337, 32911), (392, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 50

Candidate Starts for Jiminy_32:

(Start: 50 @31927 has 403 MA's), (Start: 80 @32038 has 1 MA's), (96, 32083), (130, 32182), (148, 32242), (161, 32278), (173, 32302), (194, 32347), (196, 32353), (216, 32404), (232, 32443), (233, 32446), (238, 32458), (276, 32497), (288, 32530), (304, 32611), (325, 32704), (331, 32740), (334, 32749), (337, 32755), (392, 32980),

Gene: Jiraiya_32 Start: 32080, Stop: 33240, Start Num: 50

Candidate Starts for Jiraiya_32:

(Start: 50 @32080 has 403 MA's), (Start: 80 @32191 has 1 MA's), (96, 32236), (130, 32335), (148, 32395), (161, 32431), (173, 32455), (194, 32500), (196, 32506), (216, 32557), (232, 32596), (233, 32599), (238, 32611), (245, 32626), (276, 32650), (288, 32683), (304, 32764), (325, 32857), (331, 32893), (334, 32902), (337, 32908), (392, 33133),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for Jobypre_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 48

Candidate Starts for JoeDirt_21:

(Start: 48 @21667 has 15 MA's), (Start: 50 @21670 has 403 MA's), (Start: 88 @21796 has 1 MA's), (103, 21838), (107, 21850), (108, 21853), (121, 21886), (123, 21898), (138, 21946), (142, 21964), (156, 22000), (161, 22015), (189, 22066), (199, 22096), (215, 22138), (224, 22162), (266, 22198), (267, 22204), (277, 22231), (284, 22249), (306, 22342), (307, 22345), (323, 22429), (354, 22567), (360, 22585), (381, 22669),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 50

Candidate Starts for Jolie1_027:

(Start: 50 @30065 has 403 MA's), (62, 30104), (71, 30146), (74, 30155), (75, 30158), (Start: 80 @30179 has 1 MA's), (96, 30224), (110, 30263), (118, 30284), (124, 30305), (125, 30308), (141, 30365), (161, 30419), (162, 30422), (165, 30428), (185, 30464), (210, 30530), (214, 30542), (215, 30545), (218, 30551), (234, 30593), (260, 30674), (268, 30698), (305, 30833), (313, 30869), (332, 30959), (346, 31019), (362, 31073), (381, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 50

Candidate Starts for Jolie2_23:

(16, 22061), (33, 22184), (Start: 50 @22241 has 403 MA's), (161, 22592), (185, 22634), (213, 22709), (243, 22781), (285, 22820), (304, 22919), (305, 22922), (306, 22925), (333, 23051), (372, 23189),

Gene: Journey_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Journey_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 50

Candidate Starts for Jubie_22:

(Start: 50 @22248 has 403 MA's), (79, 22350), (84, 22362), (91, 22380), (94, 22389), (107, 22428), (121, 22464), (124, 22479), (126, 22485), (136, 22515), (137, 22518), (145, 22554), (153, 22566), (173, 22617), (175, 22620), (200, 22680), (212, 22707), (218, 22722), (220, 22728), (223, 22740), (250, 22800), (262, 22824), (284, 22884), (305, 22980), (309, 23013), (327, 23085), (331, 23109),

(387, 23337), (389, 23349),

Gene: JustASigh_22 Start: 22794, Stop: 23885, Start Num: 52

Candidate Starts for JustASigh_22:

(28, 22689), (Start: 52 @22794 has 23 MA's), (131, 23058), (180, 23202), (184, 23211), (252, 23322), (325, 23547), (400, 23841), (402, 23862),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 50

Candidate Starts for KLucky39_33:

(Start: 50 @32371 has 403 MA's), (Start: 80 @32482 has 1 MA's), (96, 32527), (130, 32626), (148, 32686), (161, 32722), (173, 32746), (194, 32791), (196, 32797), (216, 32848), (232, 32887), (233, 32890), (238, 32902), (245, 32917), (276, 32941), (288, 32974), (304, 33055), (314, 33100), (325, 33148), (331, 33184), (334, 33193), (337, 33199), (392, 33424),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Kahve_32:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (245, 32633), (276, 32657), (288, 32690), (304, 32771), (314, 32816), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 50

Candidate Starts for Kailash_33:

(Start: 50 @32425 has 403 MA's), (Start: 80 @32536 has 1 MA's), (96, 32581), (130, 32680), (148, 32740), (161, 32776), (173, 32800), (194, 32845), (196, 32851), (216, 32902), (232, 32941), (233, 32944), (238, 32956), (276, 32995), (288, 33028), (304, 33109), (325, 33202), (331, 33238), (334, 33247), (337, 33253), (392, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 50

Candidate Starts for Kaleb_33:

(19, 32664), (Start: 47 @32805 has 9 MA's), (Start: 50 @32811 has 403 MA's), (62, 32850), (69, 32880), (Start: 80 @32925 has 1 MA's), (96, 32970), (130, 33069), (148, 33129), (161, 33165), (173, 33189), (194, 33234), (196, 33240), (216, 33291), (232, 33330), (233, 33333), (238, 33345), (245, 33360), (276, 33384), (288, 33417), (304, 33498), (314, 33543), (325, 33591), (331, 33627), (334, 33636), (337, 33642), (392, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 50

Candidate Starts for Kamiyu_33:

(Start: 50 @32188 has 403 MA's), (59, 32221), (105, 32365), (108, 32374), (112, 32383), (124, 32422), (127, 32431), (135, 32449), (138, 32467), (142, 32485), (144, 32491), (150, 32503), (156, 32521), (161, 32536), (181, 32569), (191, 32596), (208, 32641), (242, 32722), (253, 32749), (262, 32767), (267, 32785), (284, 32827), (309, 32956), (315, 32965), (329, 33046), (351, 33148), (368, 33205), (371, 33214), (381, 33253), (393, 33325), (402, 33367),

Gene: KarasumaRum_34 Start: 32734, Stop: 34239, Start Num: 9

Candidate Starts for KarasumaRum_34:

(Start: 9 @32734 has 9 MA's), (13, 32773), (22, 32845), (29, 32905), (31, 32923), (34, 32938), (106, 33190), (116, 33220), (121, 33238), (128, 33265), (137, 33292), (169, 33394), (186, 33433), (191, 33448), (220, 33523), (238, 33568), (242, 33574), (245, 33583), (284, 33679), (301, 33745), (306, 33781), (350, 33994), (383, 34105), (404, 34225),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 50

Candidate Starts for Katniss_33:

(Start: 50 @32386 has 403 MA's), (Start: 80 @32497 has 1 MA's), (96, 32542), (130, 32641), (148, 32701), (161, 32737), (173, 32761), (194, 32806), (196, 32812), (216, 32863), (232, 32902), (233, 32905), (238, 32917), (245, 32932), (276, 32956), (288, 32989), (304, 33070), (314, 33115), (325, 33163), (331, 33199), (334, 33208), (337, 33214), (392, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 50

Candidate Starts for KayaCho_27:

(5, 29536), (8, 29638), (Start: 50 @30061 has 403 MA's), (62, 30100), (75, 30154), (Start: 80 @30175 has 1 MA's), (87, 30190), (96, 30220), (101, 30235), (124, 30301), (125, 30304), (141, 30361), (142, 30364), (161, 30415), (162, 30418), (165, 30424), (168, 30430), (188, 30466), (214, 30538), (215, 30541), (234, 30589), (243, 30607), (268, 30694), (305, 30829), (331, 30952), (332, 30955), (346, 31015), (362, 31069), (367, 31075), (381, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 50

Candidate Starts for Keitherie_33:

(Start: 50 @32424 has 403 MA's), (Start: 80 @32535 has 1 MA's), (96, 32580), (130, 32679), (148, 32739), (161, 32775), (173, 32799), (194, 32844), (196, 32850), (216, 32901), (232, 32940), (233, 32943), (238, 32955), (276, 32994), (288, 33027), (304, 33108), (314, 33153), (325, 33201), (331, 33237), (334, 33246), (337, 33252), (392, 33477),

Gene: Keziacharles14_32 Start: 24883, Stop: 26085, Start Num: 50

Candidate Starts for Keziacharles14_32:

(Start: 50 @24883 has 403 MA's), (100, 25045), (108, 25066), (132, 25135), (138, 25159), (158, 25219), (165, 25237), (173, 25252), (183, 25267), (204, 25321), (258, 25453), (265, 25468), (278, 25504), (304, 25612), (305, 25615), (308, 25642), (309, 25648), (337, 25759),

Gene: Khan1_33 Start: 32108, Stop: 33268, Start Num: 50

Candidate Starts for Khan1_33:

(Start: 50 @32108 has 403 MA's), (Start: 80 @32219 has 1 MA's), (96, 32264), (130, 32363), (148, 32423), (161, 32459), (173, 32483), (194, 32528), (196, 32534), (216, 32585), (232, 32624), (233, 32627), (238, 32639), (245, 32654), (276, 32678), (288, 32711), (304, 32792), (314, 32837), (325, 32885), (331, 32921), (334, 32930), (337, 32936), (392, 33161),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 50

Candidate Starts for Kheth_33:

(Start: 47 @32690 has 9 MA's), (Start: 50 @32696 has 403 MA's), (62, 32735), (69, 32765), (Start: 80 @32810 has 1 MA's), (96, 32855), (130, 32954), (148, 33014), (161, 33050), (173, 33074), (194, 33119), (196, 33125), (216, 33176), (232, 33215), (233, 33218), (238, 33230), (245, 33245), (276, 33269), (288, 33302), (304, 33383), (325, 33476), (331, 33512), (334, 33521), (337, 33527), (392, 33752),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Kikipoo_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 50

Candidate Starts for Kimbrough_33:

(Start: 50 @32079 has 403 MA's), (Start: 80 @32190 has 1 MA's), (96, 32235), (130, 32334), (148, 32394), (161, 32430), (173, 32454), (194, 32499), (196, 32505), (216, 32556), (232, 32595), (233, 32598), (238, 32610), (245, 32625), (276, 32649), (288, 32682), (304, 32763), (314, 32808), (325,

32856), (331, 32892), (334, 32901), (337, 32907), (392, 33132),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 50

Candidate Starts for KingTut_24:

(Start: 50 @27748 has 403 MA's), (Start: 80 @27859 has 1 MA's), (96, 27904), (130, 28003), (148, 28063), (161, 28099), (173, 28123), (194, 28168), (196, 28174), (216, 28225), (232, 28264), (233, 28267), (238, 28279), (245, 28294), (276, 28318), (288, 28351), (304, 28432), (314, 28477), (325, 28525), (331, 28561), (334, 28570), (337, 28576), (392, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 50

Candidate Starts for KingVeVeVe_33:

(Start: 50 @32352 has 403 MA's), (Start: 80 @32463 has 1 MA's), (96, 32508), (130, 32607), (148, 32667), (161, 32703), (173, 32727), (194, 32772), (196, 32778), (216, 32829), (232, 32868), (233, 32871), (238, 32883), (245, 32898), (276, 32922), (288, 32955), (304, 33036), (314, 33081), (325, 33129), (331, 33165), (334, 33174), (337, 33180), (392, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for Kingsolomon_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: KirDoubleO7_20 Start: 22241, Stop: 23458, Start Num: 50

Candidate Starts for KirDoubleO7_20:

(Start: 50 @22241 has 403 MA's), (56, 22268), (79, 22343), (84, 22355), (91, 22373), (107, 22421), (121, 22457), (124, 22472), (126, 22478), (136, 22508), (153, 22559), (165, 22595), (173, 22610), (175, 22613), (220, 22721), (223, 22733), (250, 22793), (262, 22817), (284, 22877), (309, 23006), (313, 23012), (327, 23078),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 50

Candidate Starts for KlimbOn_33:

(Start: 50 @32365 has 403 MA's), (Start: 80 @32476 has 1 MA's), (96, 32521), (130, 32620), (148, 32680), (161, 32716), (173, 32740), (194, 32785), (196, 32791), (216, 32842), (232, 32881), (233, 32884), (238, 32896), (245, 32911), (276, 32935), (288, 32968), (304, 33049), (314, 33094), (325, 33142), (331, 33178), (334, 33187), (337, 33193), (392, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 50

Candidate Starts for Kloppinator_33:

(Start: 50 @32388 has 403 MA's), (Start: 80 @32499 has 1 MA's), (96, 32544), (130, 32643), (148, 32703), (161, 32739), (173, 32763), (194, 32808), (196, 32814), (216, 32865), (232, 32904), (233, 32907), (238, 32919), (276, 32958), (288, 32991), (304, 33072), (314, 33117), (325, 33165), (331, 33201), (334, 33210), (337, 33216), (392, 33441),

Gene: Knocker_33 Start: 33872, Stop: 35014, Start Num: 46

Candidate Starts for Knocker_33:

(Start: 46 @33872 has 9 MA's), (Start: 80 @33989 has 1 MA's), (93, 34016), (95, 34025), (102, 34049), (109, 34070), (114, 34079), (121, 34103), (124, 34118), (125, 34121), (127, 34127), (141, 34178), (144, 34187), (152, 34205), (156, 34217), (157, 34220), (165, 34241), (191, 34292), (198, 34307), (201, 34319), (211, 34343), (214, 34352), (223, 34379), (227, 34385), (277, 34445), (282, 34457), (290, 34487), (293, 34499), (305, 34574), (322, 34658), (326, 34670), (330, 34700), (337, 34718), (358, 34799), (363, 34826), (365, 34829), (367, 34838),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 52

Candidate Starts for Koella_19:

(Start: 48 @20226 has 15 MA's), (Start: 52 @20229 has 23 MA's), (74, 20310), (Start: 88 @20358 has 1 MA's), (106, 20418), (109, 20427), (115, 20442), (124, 20466), (134, 20490), (137, 20502), (161, 20577), (165, 20586), (172, 20610), (186, 20640), (244, 20724), (245, 20727), (254, 20748), (304, 20907), (322, 20997), (325, 21006), (329, 21036), (337, 21057), (402, 21360),

Gene: Kolhan_33 Start: 32690, Stop: 33853, Start Num: 50

Candidate Starts for Kolhan_33:

(19, 32543), (Start: 47 @32684 has 9 MA's), (Start: 50 @32690 has 403 MA's), (62, 32729), (69, 32759), (Start: 80 @32804 has 1 MA's), (96, 32849), (130, 32948), (148, 33008), (161, 33044), (173, 33068), (194, 33113), (196, 33119), (216, 33170), (232, 33209), (233, 33212), (238, 33224), (276, 33263), (288, 33296), (304, 33377), (325, 33470), (331, 33506), (334, 33515), (337, 33521), (392, 33746),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 50

Candidate Starts for Kronus_32:

(Start: 50 @32802 has 403 MA's), (59, 32835), (105, 32979), (108, 32988), (112, 32997), (124, 33036), (127, 33045), (135, 33063), (138, 33081), (142, 33099), (144, 33105), (150, 33117), (156, 33135), (161, 33150), (181, 33183), (191, 33210), (208, 33255), (242, 33336), (253, 33363), (262, 33381), (267, 33399), (284, 33441), (290, 33465), (306, 33540), (309, 33570), (325, 33630), (327, 33642), (329, 33660), (350, 33759), (351, 33762), (381, 33867), (383, 33873), (386, 33891), (401, 33978),

Gene: Kropertea_21 Start: 21486, Stop: 22568, Start Num: 65

Candidate Starts for Kropertea_21:

(Start: 65 @21486 has 4 MA's), (149, 21738), (164, 21777), (171, 21786), (172, 21789), (187, 21816), (190, 21825), (199, 21849), (225, 21903), (226, 21906), (277, 21960), (307, 22080), (312, 22113), (314, 22116), (327, 22176), (337, 22215), (339, 22230), (361, 22341), (378, 22389),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 50

Candidate Starts for Krypton555_22:

(Start: 50 @22170 has 403 MA's), (79, 22272), (84, 22284), (91, 22302), (107, 22350), (122, 22395), (124, 22401), (136, 22437), (145, 22476), (150, 22482), (153, 22488), (168, 22530), (200, 22602), (220, 22650), (223, 22662), (226, 22668), (284, 22806), (297, 22851), (304, 22899), (309, 22935), (323, 22989), (327, 23007), (330, 23028), (366, 23178), (374, 23199), (395, 23307),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 50

Candidate Starts for Kwadwo_32:

(Start: 50 @32069 has 403 MA's), (Start: 80 @32180 has 1 MA's), (96, 32225), (130, 32324), (148, 32384), (161, 32420), (173, 32444), (194, 32489), (196, 32495), (216, 32546), (232, 32585), (233, 32588), (238, 32600), (245, 32615), (276, 32639), (288, 32672), (304, 32753), (314, 32798), (325, 32846), (331, 32882), (334, 32891), (337, 32897), (392, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 50

Candidate Starts for Kwksand96_32:

(Start: 50 @31938 has 403 MA's), (Start: 80 @32049 has 1 MA's), (96, 32094), (130, 32193), (148, 32253), (161, 32289), (173, 32313), (194, 32358), (196, 32364), (216, 32415), (232, 32454), (233, 32457), (238, 32469), (245, 32484), (276, 32508), (288, 32541), (304, 32622), (314, 32667), (325, 32715), (331, 32751), (334, 32760), (337, 32766), (392, 32991),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 50

Candidate Starts for Labeouficaum_32:

(Start: 50 @31933 has 403 MA's), (Start: 80 @32044 has 1 MA's), (96, 32089), (130, 32188), (148, 32248), (161, 32284), (173, 32308), (194, 32353), (196, 32359), (216, 32410), (232, 32449), (233, 32452), (238, 32464), (245, 32479), (276, 32503), (288, 32536), (304, 32617), (314, 32662), (325, 32710), (331, 32746), (334, 32755), (337, 32761), (392, 32986),

Gene: Lambano_29 Start: 31590, Stop: 32747, Start Num: 50

Candidate Starts for Lambano_29:

(Start: 50 @31590 has 403 MA's), (76, 31683), (Start: 80 @31698 has 1 MA's), (87, 31713), (91, 31725), (96, 31743), (127, 31833), (141, 31884), (144, 31893), (146, 31899), (153, 31911), (161, 31938), (174, 31953), (181, 31959), (183, 31965), (198, 31998), (200, 32007), (214, 32040), (237, 32073), (282, 32163), (284, 32169), (305, 32268), (306, 32271), (337, 32415), (372, 32568),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 50

Candidate Starts for Lars_33:

(19, 32654), (Start: 47 @32795 has 9 MA's), (Start: 50 @32801 has 403 MA's), (62, 32840), (69, 32870), (Start: 80 @32915 has 1 MA's), (96, 32960), (130, 33059), (148, 33119), (161, 33155), (173, 33179), (194, 33224), (196, 33230), (216, 33281), (232, 33320), (233, 33323), (238, 33335), (245, 33350), (276, 33374), (288, 33407), (304, 33488), (325, 33581), (331, 33617), (334, 33626), (337, 33632), (347, 33692), (392, 33857),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 50

Candidate Starts for LasagnaCat_33:

(Start: 50 @32371 has 403 MA's), (Start: 80 @32482 has 1 MA's), (96, 32527), (130, 32626), (148, 32686), (161, 32722), (173, 32746), (194, 32791), (196, 32797), (216, 32848), (232, 32887), (233, 32890), (238, 32902), (276, 32941), (288, 32974), (304, 33055), (325, 33148), (331, 33184), (334, 33193), (337, 33199), (392, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 50

Candidate Starts for Lasso_33:

(Start: 50 @32344 has 403 MA's), (Start: 80 @32455 has 1 MA's), (96, 32500), (130, 32599), (148, 32659), (161, 32695), (173, 32719), (194, 32764), (196, 32770), (216, 32821), (232, 32860), (233, 32863), (238, 32875), (245, 32890), (276, 32914), (288, 32947), (304, 33028), (314, 33073), (325, 33121), (331, 33157), (334, 33166), (337, 33172), (392, 33397),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 52

Candidate Starts for LastJedi_19:

(Start: 48 @20257 has 15 MA's), (Start: 52 @20260 has 23 MA's), (74, 20341), (Start: 88 @20389 has 1 MA's), (106, 20449), (109, 20458), (115, 20473), (124, 20497), (134, 20521), (137, 20533), (161, 20608), (165, 20617), (172, 20641), (186, 20671), (244, 20755), (245, 20758), (254, 20779), (304, 20938), (322, 21028), (325, 21037), (329, 21067), (337, 21088), (402, 21391),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 48

Candidate Starts for Laurie_33:

(Start: 45 @32129 has 2 MA's), (Start: 48 @32132 has 15 MA's), (69, 32201), (91, 32270), (100, 32300), (105, 32312), (107, 32318), (108, 32321), (112, 32330), (124, 32369), (127, 32378), (132, 32390), (148, 32447), (153, 32456), (156, 32468), (158, 32474), (161, 32483), (186, 32528), (191, 32543), (208, 32588), (235, 32657), (243, 32672), (247, 32684), (259, 32708), (277, 32756), (280, 32762), (284, 32774), (290, 32798), (306, 32873), (309, 32903), (325, 32963), (327, 32975), (329, 32993), (350, 33092), (351, 33095), (381, 33200), (383, 33206), (393, 33272), (397, 33275),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 48

Candidate Starts for LeBron_21:

(Start: 48 @21711 has 15 MA's), (Start: 50 @21714 has 403 MA's), (Start: 88 @21840 has 1 MA's), (103, 21882), (107, 21894), (108, 21897), (121, 21930), (123, 21942), (138, 21990), (142, 22008), (156, 22044), (161, 22059), (189, 22110), (199, 22140), (215, 22182), (224, 22206), (266, 22242), (267, 22248), (277, 22275), (284, 22293), (306, 22386), (307, 22389), (323, 22473), (354, 22611), (360, 22629), (381, 22713),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 50

Candidate Starts for LeeLot_33:

(Start: 50 @32375 has 403 MA's), (Start: 80 @32486 has 1 MA's), (96, 32531), (130, 32630), (148, 32690), (161, 32726), (173, 32750), (194, 32795), (196, 32801), (216, 32852), (232, 32891), (233, 32894), (238, 32906), (276, 32945), (288, 32978), (304, 33059), (314, 33104), (325, 33152), (331, 33188), (334, 33197), (337, 33203), (392, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 50

Candidate Starts for Lego3393_33:

(Start: 50 @32380 has 403 MA's), (Start: 80 @32491 has 1 MA's), (96, 32536), (130, 32635), (148, 32695), (161, 32731), (173, 32755), (194, 32800), (196, 32806), (216, 32857), (232, 32896), (233, 32899), (238, 32911), (245, 32926), (276, 32950), (288, 32983), (304, 33064), (314, 33109), (325, 33157), (331, 33193), (334, 33202), (337, 33208), (392, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 50

Candidate Starts for Legolas_32:

(Start: 50 @32085 has 403 MA's), (Start: 80 @32196 has 1 MA's), (96, 32241), (130, 32340), (148, 32400), (161, 32436), (173, 32460), (194, 32505), (196, 32511), (216, 32562), (232, 32601), (233, 32604), (238, 32616), (276, 32655), (288, 32688), (304, 32769), (314, 32814), (325, 32862), (331, 32898), (334, 32907), (337, 32913), (392, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 50

Candidate Starts for LeiMonet_33:

(Start: 50 @32076 has 403 MA's), (Start: 80 @32187 has 1 MA's), (96, 32232), (130, 32331), (148, 32391), (161, 32427), (173, 32451), (194, 32496), (196, 32502), (216, 32553), (232, 32592), (233, 32595), (238, 32607), (245, 32622), (276, 32646), (288, 32679), (304, 32760), (314, 32805), (325, 32853), (331, 32889), (334, 32898), (337, 32904), (392, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 50

Candidate Starts for LemonSlice_33:

(Start: 50 @32072 has 403 MA's), (Start: 80 @32183 has 1 MA's), (96, 32228), (130, 32327), (148, 32387), (161, 32423), (173, 32447), (194, 32492), (196, 32498), (216, 32549), (232, 32588), (233, 32591), (238, 32603), (245, 32618), (276, 32642), (288, 32675), (304, 32756), (314, 32801), (325, 32849), (331, 32885), (334, 32894), (337, 32900), (392, 33125),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 47

Candidate Starts for Lephleur_33:

(19, 32547), (Start: 47 @32688 has 9 MA's), (Start: 50 @32694 has 403 MA's), (62, 32733), (69, 32763), (Start: 80 @32808 has 1 MA's), (96, 32853), (130, 32952), (148, 33012), (161, 33048), (173, 33072), (194, 33117), (196, 33123), (216, 33174), (232, 33213), (233, 33216), (238, 33228), (245, 33243), (276, 33267), (288, 33300), (304, 33381), (325, 33474), (331, 33510), (334, 33519), (337, 33525), (392, 33750),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 50

Candidate Starts for LestyG_33:

(Start: 50 @32223 has 403 MA's), (59, 32256), (105, 32400), (108, 32409), (112, 32418), (124, 32457), (127, 32466), (135, 32484), (138, 32502), (142, 32520), (144, 32526), (150, 32538), (156, 32556),

(161, 32571), (181, 32604), (191, 32631), (208, 32676), (242, 32757), (253, 32784), (262, 32802), (267, 32820), (284, 32862), (290, 32886), (306, 32961), (309, 32991), (325, 33051), (327, 33063), (329, 33081), (351, 33183), (381, 33288), (383, 33294), (386, 33312), (401, 33399),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 50

Candidate Starts for LilMcDreamy_28:

(2, 30913), (3, 30922), (4, 31042), (8, 31252), (Start: 50 @31675 has 403 MA's), (62, 31714), (64, 31720), (Start: 80 @31792 has 1 MA's), (118, 31897), (124, 31918), (141, 31978), (162, 32035), (185, 32077), (193, 32101), (215, 32158), (232, 32200), (243, 32224), (254, 32251), (268, 32329), (304, 32464), (306, 32470), (332, 32593), (346, 32653), (352, 32671), (362, 32707), (367, 32713), (375, 32737), (381, 32761),

Gene: LilSmirk_33 Start: 32688, Stop: 33851, Start Num: 50

Candidate Starts for LilSmirk_33:

(19, 32541), (Start: 47 @32682 has 9 MA's), (Start: 50 @32688 has 403 MA's), (62, 32727), (69, 32757), (Start: 80 @32802 has 1 MA's), (96, 32847), (130, 32946), (148, 33006), (161, 33042), (173, 33066), (194, 33111), (196, 33117), (216, 33168), (232, 33207), (233, 33210), (238, 33222), (245, 33237), (276, 33261), (288, 33294), (304, 33375), (325, 33468), (331, 33504), (334, 33513), (337, 33519), (392, 33744),

Gene: LilSpotty_25 Start: 21191, Stop: 22405, Start Num: 86

Candidate Starts for LilSpotty_25:

(15, 20861), (53, 21059), (Start: 85 @21188 has 6 MA's), (Start: 86 @21191 has 14 MA's), (177, 21452), (245, 21623), (293, 21773), (300, 21812), (320, 21914), (324, 21956), (396, 22328),

Gene: LiyuLake_22 Start: 22229, Stop: 23428, Start Num: 50

Candidate Starts for LiyuLake_22:

(Start: 50 @22229 has 403 MA's), (79, 22331), (91, 22361), (94, 22370), (107, 22409), (112, 22421), (124, 22460), (136, 22496), (138, 22505), (150, 22541), (168, 22589), (223, 22721), (226, 22727), (256, 22796), (274, 22841), (284, 22865), (304, 22958), (309, 22994), (323, 23048), (327, 23066), (374, 23258), (395, 23366),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 50

Candidate Starts for LizLemon_33:

(19, 32663), (Start: 47 @32804 has 9 MA's), (Start: 50 @32810 has 403 MA's), (62, 32849), (69, 32879), (Start: 80 @32924 has 1 MA's), (96, 32969), (130, 33068), (148, 33128), (161, 33164), (173, 33188), (194, 33233), (196, 33239), (216, 33290), (232, 33329), (233, 33332), (238, 33344), (245, 33359), (276, 33383), (288, 33416), (304, 33497), (314, 33542), (325, 33590), (331, 33626), (334, 33635), (337, 33641), (392, 33866),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 50

Candidate Starts for Lolalove_30:

(Start: 50 @32616 has 403 MA's), (76, 32709), (Start: 80 @32724 has 1 MA's), (87, 32739), (91, 32751), (96, 32769), (141, 32910), (144, 32919), (153, 32937), (161, 32964), (174, 32979), (181, 32985), (183, 32991), (186, 32997), (198, 33024), (200, 33033), (214, 33066), (237, 33099), (262, 33153), (263, 33159), (282, 33189), (284, 33195), (289, 33216), (295, 33240), (305, 33294), (306, 33297), (337, 33441), (372, 33594),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 50

Candidate Starts for Lolly9_22:

(Start: 50 @22045 has 403 MA's), (56, 22072), (84, 22159), (91, 22177), (94, 22186), (107, 22225), (124, 22276), (125, 22279), (138, 22321), (145, 22351), (150, 22357), (153, 22363), (168, 22405), (220, 22525), (223, 22537), (226, 22543), (284, 22681), (304, 22774), (309, 22810), (323, 22864),

(327, 22882), (374, 23074), (395, 23182),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 50

Candidate Starts for Longacauda_32:

(Start: 50 @32077 has 403 MA's), (Start: 80 @32188 has 1 MA's), (96, 32233), (130, 32332), (148, 32392), (161, 32428), (173, 32452), (194, 32497), (196, 32503), (216, 32554), (232, 32593), (233, 32596), (238, 32608), (245, 32623), (276, 32647), (288, 32680), (304, 32761), (314, 32806), (325, 32854), (331, 32890), (334, 32899), (337, 32905), (392, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 50

Candidate Starts for Lopsy_32:

(Start: 50 @31927 has 403 MA's), (Start: 80 @32038 has 1 MA's), (96, 32083), (130, 32182), (148, 32242), (161, 32278), (173, 32302), (194, 32347), (196, 32353), (216, 32404), (232, 32443), (233, 32446), (238, 32458), (276, 32497), (288, 32530), (304, 32611), (314, 32656), (325, 32704), (331, 32740), (334, 32749), (337, 32755), (392, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 50

Candidate Starts for LostAndPhound_32:

(Start: 50 @32078 has 403 MA's), (Start: 80 @32189 has 1 MA's), (96, 32234), (130, 32333), (148, 32393), (161, 32429), (173, 32453), (194, 32498), (196, 32504), (216, 32555), (232, 32594), (233, 32597), (238, 32609), (276, 32648), (288, 32681), (304, 32762), (325, 32855), (331, 32891), (334, 32900), (337, 32906), (392, 33131),

Gene: Luchador_34 Start: 25731, Stop: 26627, Start Num: 50

Candidate Starts for Luchador_34:

(Start: 50 @25731 has 403 MA's), (105, 25905), (118, 25941), (124, 25962), (140, 26016), (142, 26025), (202, 26157), (328, 26493), (336, 26523),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for LuckyMarjie_32:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (245, 32633), (276, 32657), (288, 32690), (304, 32771), (314, 32816), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 50

Candidate Starts for Lulumae_32:

(Start: 50 @32069 has 403 MA's), (Start: 80 @32180 has 1 MA's), (96, 32225), (130, 32324), (148, 32384), (161, 32420), (173, 32444), (194, 32489), (196, 32495), (216, 32546), (232, 32585), (233, 32588), (238, 32600), (245, 32615), (276, 32639), (288, 32672), (304, 32753), (314, 32798), (325, 32846), (331, 32882), (334, 32891), (337, 32897), (392, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 50

Candidate Starts for Lulwa_33:

(Start: 50 @32356 has 403 MA's), (Start: 80 @32467 has 1 MA's), (96, 32512), (130, 32611), (148, 32671), (161, 32707), (173, 32731), (194, 32776), (196, 32782), (216, 32833), (232, 32872), (233, 32875), (238, 32887), (245, 32902), (276, 32926), (288, 32959), (304, 33040), (314, 33085), (325, 33133), (331, 33169), (334, 33178), (337, 33184), (392, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 50

Candidate Starts for Lumine_32:

(Start: 50 @32065 has 403 MA's), (Start: 80 @32176 has 1 MA's), (96, 32221), (130, 32320), (148, 32380), (161, 32416), (173, 32440), (194, 32485), (196, 32491), (216, 32542), (232, 32581), (233,

32584), (238, 32596), (245, 32611), (276, 32635), (288, 32668), (304, 32749), (314, 32794), (325, 32842), (331, 32878), (334, 32887), (337, 32893), (392, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 50

Candidate Starts for Lumos_22:

(Start: 50 @22244 has 403 MA's), (79, 22346), (84, 22358), (91, 22376), (94, 22385), (107, 22424), (121, 22460), (124, 22475), (126, 22481), (136, 22511), (137, 22514), (145, 22550), (153, 22562), (173, 22613), (175, 22616), (200, 22676), (212, 22703), (218, 22718), (220, 22724), (223, 22736), (250, 22796), (262, 22820), (284, 22880), (305, 22976), (309, 23009), (327, 23081), (331, 23105), (387, 23333), (389, 23345),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for MAckerman_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 50

Candidate Starts for MRabcd_32:

(Start: 50 @32069 has 403 MA's), (Start: 80 @32180 has 1 MA's), (96, 32225), (130, 32324), (148, 32384), (161, 32420), (173, 32444), (194, 32489), (196, 32495), (216, 32546), (232, 32585), (233, 32588), (238, 32600), (245, 32615), (276, 32639), (288, 32672), (304, 32753), (314, 32798), (325, 32846), (331, 32882), (334, 32891), (337, 32897), (392, 33122),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 50

Candidate Starts for Mag7_32:

(Start: 50 @31975 has 403 MA's), (Start: 80 @32086 has 1 MA's), (96, 32131), (130, 32230), (148, 32290), (161, 32326), (173, 32350), (194, 32395), (196, 32401), (216, 32452), (232, 32491), (233, 32494), (238, 32506), (276, 32545), (288, 32578), (304, 32659), (325, 32752), (331, 32788), (334, 32797), (337, 32803), (392, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 50

Candidate Starts for Magic8_33:

(Start: 50 @32410 has 403 MA's), (Start: 80 @32521 has 1 MA's), (96, 32566), (130, 32665), (148, 32725), (161, 32761), (173, 32785), (194, 32830), (196, 32836), (216, 32887), (232, 32926), (233, 32929), (238, 32941), (245, 32956), (276, 32980), (288, 33013), (304, 33094), (314, 33139), (325, 33187), (331, 33223), (334, 33232), (337, 33238), (392, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 50

Candidate Starts for Magpie_29:

(Start: 50 @32448 has 403 MA's), (76, 32541), (Start: 80 @32556 has 1 MA's), (87, 32571), (91, 32583), (96, 32601), (127, 32691), (141, 32742), (144, 32751), (146, 32757), (153, 32769), (161, 32796), (174, 32811), (181, 32817), (183, 32823), (198, 32856), (200, 32865), (214, 32898), (237, 32931), (282, 33021), (284, 33027), (305, 33126), (306, 33129), (337, 33273), (372, 33426),

Gene: Magsby_22 Start: 20220, Stop: 21434, Start Num: 86

Candidate Starts for Magsby_22:

(15, 19890), (53, 20088), (Start: 85 @20217 has 6 MA's), (Start: 86 @20220 has 14 MA's), (177, 20481), (245, 20652), (293, 20802), (300, 20841), (320, 20943), (324, 20985), (396, 21357),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 50

Candidate Starts for Mana_32:

(Start: 50 @32084 has 403 MA's), (Start: 80 @32195 has 1 MA's), (96, 32240), (130, 32339), (148, 32399), (161, 32435), (173, 32459), (194, 32504), (196, 32510), (216, 32561), (232, 32600), (233, 32603), (238, 32615), (245, 32630), (276, 32654), (288, 32687), (304, 32768), (314, 32813), (325, 32861), (331, 32897), (334, 32906), (337, 32912), (392, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 50

Candidate Starts for Manad_32:

(Start: 50 @31926 has 403 MA's), (Start: 80 @32037 has 1 MA's), (96, 32082), (130, 32181), (148, 32241), (161, 32277), (173, 32301), (194, 32346), (196, 32352), (216, 32403), (232, 32442), (233, 32445), (238, 32457), (276, 32496), (288, 32529), (304, 32610), (314, 32655), (325, 32703), (331, 32739), (334, 32748), (337, 32754), (392, 32979),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 50

Candidate Starts for Mao1_27:

(Start: 50 @28750 has 403 MA's), (60, 28786), (69, 28819), (Start: 80 @28864 has 1 MA's), (96, 28909), (97, 28912), (161, 29104), (173, 29128), (177, 29134), (196, 29179), (198, 29182), (216, 29230), (243, 29293), (244, 29296), (279, 29329), (301, 29404), (304, 29434), (329, 29557), (332, 29566), (334, 29572), (403, 29893),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 50

Candidate Starts for Marley1013_33:

(Start: 50 @33001 has 403 MA's), (59, 33034), (105, 33178), (108, 33187), (112, 33196), (124, 33235), (127, 33244), (135, 33262), (138, 33280), (142, 33298), (144, 33304), (150, 33316), (156, 33334), (161, 33349), (181, 33382), (191, 33409), (208, 33454), (242, 33535), (253, 33562), (262, 33580), (267, 33598), (284, 33640), (290, 33664), (306, 33739), (309, 33769), (325, 33829), (327, 33841), (329, 33859), (351, 33961), (381, 34066), (383, 34072), (386, 34090), (401, 34177),

Gene: Marlia_33 Start: 32203, Stop: 33405, Start Num: 50

Candidate Starts for Marlia_33:

(Start: 50 @32203 has 403 MA's), (59, 32236), (105, 32380), (108, 32389), (112, 32398), (124, 32437), (127, 32446), (135, 32464), (138, 32482), (142, 32500), (144, 32506), (150, 32518), (156, 32536), (161, 32551), (181, 32584), (191, 32611), (208, 32656), (242, 32737), (253, 32764), (262, 32782), (267, 32800), (284, 32842), (309, 32971), (329, 33061), (351, 33163), (368, 33220), (371, 33229), (381, 33268), (393, 33340), (402, 33382),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 50

Candidate Starts for Maru_32:

(Start: 50 @32027 has 403 MA's), (Start: 80 @32138 has 1 MA's), (96, 32183), (130, 32282), (148, 32342), (161, 32378), (173, 32402), (194, 32447), (196, 32453), (216, 32504), (232, 32543), (233, 32546), (238, 32558), (245, 32573), (276, 32597), (288, 32630), (304, 32711), (314, 32756), (325, 32804), (331, 32840), (334, 32849), (337, 32855), (392, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 50

Candidate Starts for Mask_28:

(Start: 50 @28743 has 403 MA's), (60, 28779), (69, 28812), (Start: 80 @28857 has 1 MA's), (96, 28902), (97, 28905), (161, 29097), (173, 29121), (177, 29127), (192, 29160), (194, 29166), (196, 29172), (198, 29175), (216, 29223), (243, 29286), (244, 29289), (279, 29322), (301, 29397), (304, 29427), (329, 29550), (332, 29559), (334, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 50

Candidate Starts for Maskar_32:

(Start: 50 @31924 has 403 MA's), (Start: 80 @32035 has 1 MA's), (96, 32080), (130, 32179), (148, 32239), (161, 32275), (173, 32299), (194, 32344), (196, 32350), (216, 32401), (232, 32440), (233, 32443), (238, 32455), (245, 32470), (276, 32494), (288, 32527), (304, 32608), (314, 32653), (325, 32701), (331, 32737), (334, 32746), (337, 32752), (392, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 47

Candidate Starts for MasterPo_33:

(Start: 47 @32691 has 9 MA's), (Start: 50 @32697 has 403 MA's), (62, 32736), (69, 32766), (Start: 80 @32811 has 1 MA's), (96, 32856), (130, 32955), (148, 33015), (161, 33051), (173, 33075), (194, 33120), (196, 33126), (216, 33177), (232, 33216), (233, 33219), (238, 33231), (245, 33246), (276, 33270), (288, 33303), (304, 33384), (314, 33429), (325, 33477), (331, 33513), (334, 33522), (337, 33528), (392, 33753),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 50

Candidate Starts for Matalotodo_33:

(Start: 50 @32370 has 403 MA's), (Start: 80 @32481 has 1 MA's), (96, 32526), (130, 32625), (148, 32685), (161, 32721), (173, 32745), (194, 32790), (196, 32796), (216, 32847), (232, 32886), (233, 32889), (238, 32901), (245, 32916), (276, 32940), (288, 32973), (304, 33054), (314, 33099), (325, 33147), (331, 33183), (334, 33192), (337, 33198), (392, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 50

Candidate Starts for Mcshane_32:

(Start: 50 @32067 has 403 MA's), (Start: 80 @32178 has 1 MA's), (96, 32223), (130, 32322), (148, 32382), (161, 32418), (173, 32442), (194, 32487), (196, 32493), (216, 32544), (232, 32583), (233, 32586), (238, 32598), (245, 32613), (276, 32637), (288, 32670), (304, 32751), (314, 32796), (325, 32844), (331, 32880), (334, 32889), (337, 32895), (392, 33120),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 50

Candidate Starts for Mecca_32:

(Start: 50 @32070 has 403 MA's), (Start: 80 @32181 has 1 MA's), (96, 32226), (130, 32325), (148, 32385), (161, 32421), (173, 32445), (194, 32490), (196, 32496), (216, 32547), (232, 32586), (233, 32589), (238, 32601), (245, 32616), (276, 32640), (288, 32673), (304, 32754), (314, 32799), (325, 32847), (331, 32883), (334, 32892), (337, 32898), (392, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 48

Candidate Starts for Megabear_25:

(Start: 45 @29321 has 2 MA's), (Start: 48 @29324 has 15 MA's), (69, 29393), (91, 29462), (100, 29492), (105, 29504), (107, 29510), (108, 29513), (112, 29522), (124, 29561), (127, 29570), (132, 29582), (148, 29639), (153, 29648), (156, 29660), (161, 29675), (186, 29720), (191, 29735), (208, 29780), (235, 29849), (247, 29876), (259, 29900), (275, 29945), (284, 29966), (290, 29990), (306, 30065), (309, 30095), (325, 30155), (327, 30167), (329, 30185), (351, 30287), (383, 30398), (386, 30416), (397, 30467), (401, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 50

Candidate Starts for Megamind20_33:

(Start: 50 @32092 has 403 MA's), (Start: 80 @32203 has 1 MA's), (96, 32248), (130, 32347), (148, 32407), (161, 32443), (173, 32467), (194, 32512), (196, 32518), (216, 32569), (232, 32608), (233, 32611), (238, 32623), (245, 32638), (276, 32662), (288, 32695), (304, 32776), (314, 32821), (325, 32869), (331, 32905), (334, 32914), (337, 32920), (392, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for Megatron_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 50

Candidate Starts for Melc17_33:

(Start: 50 @32365 has 403 MA's), (Start: 80 @32476 has 1 MA's), (96, 32521), (130, 32620), (148, 32680), (161, 32716), (173, 32740), (194, 32785), (196, 32791), (216, 32842), (232, 32881), (233, 32884), (238, 32896), (276, 32935), (288, 32968), (304, 33049), (325, 33142), (331, 33178), (334, 33187), (337, 33193), (392, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 50

Candidate Starts for MelsMeow_32:

(Start: 50 @31973 has 403 MA's), (Start: 80 @32084 has 1 MA's), (96, 32129), (130, 32228), (148, 32288), (161, 32324), (173, 32348), (194, 32393), (196, 32399), (216, 32450), (232, 32489), (233, 32492), (238, 32504), (245, 32519), (276, 32543), (288, 32576), (304, 32657), (314, 32702), (325, 32750), (331, 32786), (334, 32795), (337, 32801), (392, 33026),

Gene: Melville_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Melville_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 50

Candidate Starts for Mesh1_33:

(Start: 50 @32382 has 403 MA's), (Start: 80 @32493 has 1 MA's), (96, 32538), (130, 32637), (148, 32697), (161, 32733), (173, 32757), (194, 32802), (196, 32808), (216, 32859), (232, 32898), (233, 32901), (238, 32913), (245, 32928), (276, 32952), (288, 32985), (304, 33066), (314, 33111), (325, 33159), (331, 33195), (334, 33204), (337, 33210), (392, 33435),

Gene: Mesmerelda_33 Start: 32080, Stop: 33240, Start Num: 50

Candidate Starts for Mesmerelda_33:

(Start: 50 @32080 has 403 MA's), (Start: 80 @32191 has 1 MA's), (96, 32236), (130, 32335), (148, 32395), (161, 32431), (173, 32455), (194, 32500), (196, 32506), (216, 32557), (232, 32596), (233, 32599), (238, 32611), (245, 32626), (276, 32650), (288, 32683), (304, 32764), (314, 32809), (325, 32857), (331, 32893), (334, 32902), (337, 32908), (392, 33133),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 50

Candidate Starts for MichaelPhcott_32:

(Start: 50 @31972 has 403 MA's), (Start: 80 @32083 has 1 MA's), (96, 32128), (130, 32227), (148, 32287), (161, 32323), (173, 32347), (194, 32392), (196, 32398), (216, 32449), (232, 32488), (233, 32491), (238, 32503), (276, 32542), (288, 32575), (304, 32656), (325, 32749), (331, 32785), (334, 32794), (337, 32800), (392, 33025),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 50

Candidate Starts for Mikota_33:

(Start: 50 @32355 has 403 MA's), (Start: 80 @32466 has 1 MA's), (96, 32511), (130, 32610), (148, 32670), (161, 32706), (173, 32730), (194, 32775), (196, 32781), (216, 32832), (232, 32871), (233, 32874), (238, 32886), (245, 32901), (276, 32925), (288, 32958), (304, 33039), (314, 33084), (325, 33132), (331, 33168), (334, 33177), (337, 33183), (392, 33408),

Gene: MilanaBonita_20 Start: 20281, Stop: 21492, Start Num: 52

Candidate Starts for MilanaBonita_20:

(Start: 52 @20281 has 23 MA's), (58, 20305), (74, 20362), (Start: 88 @20410 has 1 MA's), (106, 20470), (109, 20479), (115, 20494), (124, 20518), (134, 20542), (137, 20554), (145, 20590), (161, 20629), (165, 20638), (172, 20662), (186, 20692), (219, 20776), (220, 20779), (228, 20800), (244, 20836), (245, 20839), (254, 20860), (276, 20902), (304, 21019), (311, 21055), (314, 21061), (337, 21166), (352, 21247),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 50

Candidate Starts for MiniBoss_33:

(Start: 50 @32361 has 403 MA's), (Start: 80 @32472 has 1 MA's), (96, 32517), (130, 32616), (148, 32676), (161, 32712), (173, 32736), (194, 32781), (196, 32787), (216, 32838), (232, 32877), (233, 32880), (238, 32892), (245, 32907), (276, 32931), (288, 32964), (304, 33045), (314, 33090), (325, 33138), (331, 33174), (334, 33183), (337, 33189), (392, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 50

Candidate Starts for MiniLon_22:

(Start: 50 @22045 has 403 MA's), (56, 22072), (84, 22159), (91, 22177), (94, 22186), (107, 22225), (124, 22276), (125, 22279), (138, 22321), (145, 22351), (150, 22357), (153, 22363), (168, 22405), (220, 22525), (223, 22537), (226, 22543), (284, 22681), (304, 22774), (309, 22810), (323, 22864), (327, 22882), (374, 23074), (395, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 50

Candidate Starts for MiniMac_22:

(Start: 50 @22046 has 403 MA's), (56, 22073), (84, 22160), (91, 22178), (107, 22226), (124, 22277), (125, 22280), (138, 22322), (145, 22352), (150, 22358), (153, 22364), (168, 22406), (220, 22526), (223, 22538), (226, 22544), (284, 22682), (304, 22775), (309, 22811), (323, 22865), (327, 22883), (374, 23075), (395, 23183),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 50

Candidate Starts for MitKao_33:

(Start: 50 @32076 has 403 MA's), (Start: 80 @32187 has 1 MA's), (96, 32232), (130, 32331), (148, 32391), (161, 32427), (173, 32451), (194, 32496), (196, 32502), (216, 32553), (232, 32592), (233, 32595), (238, 32607), (276, 32646), (288, 32679), (304, 32760), (325, 32853), (331, 32889), (334, 32898), (337, 32904), (392, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 50

Candidate Starts for Mithril_30:

(Start: 50 @32620 has 403 MA's), (76, 32713), (Start: 80 @32728 has 1 MA's), (87, 32743), (91, 32755), (96, 32773), (113, 32815), (141, 32914), (144, 32923), (153, 32941), (161, 32968), (174, 32983), (181, 32989), (183, 32995), (186, 33001), (198, 33028), (200, 33037), (214, 33070), (237, 33103), (263, 33163), (282, 33193), (284, 33199), (295, 33244), (305, 33298), (306, 33301), (337, 33445), (372, 33598),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 50

Candidate Starts for MmasiCarm_33:

(Start: 50 @32205 has 403 MA's), (59, 32238), (105, 32382), (108, 32391), (112, 32400), (124, 32439), (127, 32448), (135, 32466), (148, 32517), (153, 32526), (156, 32538), (158, 32544), (161, 32553), (186, 32598), (191, 32613), (208, 32658), (235, 32727), (243, 32742), (247, 32754), (259, 32778), (277, 32826), (280, 32832), (282, 32838), (284, 32844), (290, 32868), (306, 32943), (309, 32973), (325, 33033), (327, 33045), (329, 33063), (351, 33165), (381, 33270), (383, 33276), (386, 33294), (401, 33381),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 50

Candidate Starts for Moostard_22:

(Start: 50 @22250 has 403 MA's), (79, 22352), (84, 22364), (91, 22382), (94, 22391), (107, 22430), (121, 22466), (124, 22481), (126, 22487), (136, 22517), (137, 22520), (145, 22556), (153, 22568), (173, 22619), (175, 22622), (200, 22682), (212, 22709), (218, 22724), (220, 22730), (223, 22742), (250, 22802), (262, 22826), (284, 22886), (305, 22982), (309, 23015), (327, 23087), (331, 23111), (337, 23126), (387, 23339), (389, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 50

Candidate Starts for Morgushi_33:

(Start: 50 @32077 has 403 MA's), (Start: 80 @32188 has 1 MA's), (96, 32233), (130, 32332), (148, 32392), (161, 32428), (173, 32452), (194, 32497), (196, 32503), (216, 32554), (232, 32593), (233, 32596), (238, 32608), (276, 32647), (288, 32680), (304, 32761), (314, 32806), (325, 32854), (331, 32890), (334, 32899), (337, 32905), (392, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 50

Candidate Starts for Mortcellus_32:

(Start: 50 @32857 has 403 MA's), (59, 32890), (105, 33034), (108, 33043), (112, 33052), (124, 33091), (127, 33100), (135, 33118), (138, 33136), (142, 33154), (144, 33160), (150, 33172), (161, 33205), (186, 33250), (191, 33265), (208, 33310), (242, 33391), (253, 33418), (262, 33436), (267, 33454), (284, 33496), (290, 33520), (306, 33595), (309, 33625), (325, 33685), (327, 33697), (329, 33715), (351, 33817), (381, 33922), (383, 33928), (386, 33946), (401, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Morty_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 50

Candidate Starts for Morty007_33:

(Start: 50 @33001 has 403 MA's), (59, 33034), (105, 33178), (108, 33187), (112, 33196), (124, 33235), (127, 33244), (135, 33262), (138, 33280), (142, 33298), (144, 33304), (150, 33316), (156, 33334), (161, 33349), (181, 33382), (191, 33409), (208, 33454), (242, 33535), (253, 33562), (262, 33580), (267, 33598), (284, 33640), (290, 33664), (306, 33739), (309, 33769), (325, 33829), (327, 33841), (329, 33859), (351, 33961), (381, 34066), (383, 34072), (386, 34090), (401, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 50

Candidate Starts for Mosaic_32:

(Start: 50 @32082 has 403 MA's), (Start: 80 @32193 has 1 MA's), (96, 32238), (130, 32337), (148, 32397), (161, 32433), (173, 32457), (194, 32502), (196, 32508), (216, 32559), (232, 32598), (233, 32601), (238, 32613), (276, 32652), (288, 32685), (304, 32766), (325, 32859), (331, 32895), (334, 32904), (337, 32910), (392, 33135),

Gene: MrMagoo_35 Start: 27841, Stop: 28923, Start Num: 92

Candidate Starts for MrMagoo_35:

(89, 27835), (Start: 92 @27841 has 6 MA's), (120, 27916), (137, 27961), (138, 27967), (139, 27973), (144, 27991), (161, 28036), (167, 28051), (176, 28066), (188, 28090), (194, 28111), (215, 28165), (218, 28171), (229, 28201), (244, 28234), (288, 28345), (296, 28381), (399, 28879),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 50

Candidate Starts for MrPhizzler_32:

(Start: 50 @32085 has 403 MA's), (Start: 80 @32196 has 1 MA's), (96, 32241), (130, 32340), (148, 32400), (161, 32436), (173, 32460), (194, 32505), (196, 32511), (216, 32562), (232, 32601), (233, 32604), (238, 32616), (245, 32631), (276, 32655), (288, 32688), (304, 32769), (314, 32814), (325, 32862), (331, 32898), (334, 32907), (337, 32913), (392, 33138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 52

Candidate Starts for Ms6_19:

(12, 19493), (17, 19535), (20, 19565), (Start: 23 @19595 has 1 MA's), (32, 19655), (43, 19709), (Start: 52 @19730 has 23 MA's), (74, 19811), (Start: 88 @19859 has 1 MA's), (106, 19919), (109, 19928), (115, 19943), (124, 19967), (134, 19991), (137, 20003), (161, 20078), (165, 20087), (172, 20111), (186, 20141), (244, 20225), (245, 20228), (254, 20249), (304, 20408), (322, 20498), (325, 20507), (329, 20537), (337, 20558), (402, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for MsGreen_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 50

Candidate Starts for Mudslide_30:

(Start: 50 @32852 has 403 MA's), (76, 32945), (Start: 80 @32960 has 1 MA's), (87, 32975), (91, 32987), (96, 33005), (113, 33047), (127, 33095), (141, 33146), (144, 33155), (153, 33173), (161, 33200), (174, 33215), (181, 33221), (183, 33227), (186, 33233), (198, 33260), (200, 33269), (214, 33302), (237, 33335), (282, 33425), (284, 33431), (295, 33476), (305, 33530), (306, 33533), (337, 33677), (372, 33830),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 50

Candidate Starts for Mulan_32:

(Start: 50 @32094 has 403 MA's), (Start: 80 @32205 has 1 MA's), (96, 32250), (130, 32349), (148, 32409), (161, 32445), (173, 32469), (194, 32514), (196, 32520), (216, 32571), (232, 32610), (233, 32613), (238, 32625), (276, 32664), (288, 32697), (304, 32778), (314, 32823), (325, 32871), (331, 32907), (334, 32916), (337, 32922), (392, 33147),

Gene: MulchSalad_20 Start: 19992, Stop: 21206, Start Num: 86

Candidate Starts for MulchSalad_20:

(15, 19662), (53, 19860), (Start: 85 @19989 has 6 MA's), (Start: 86 @19992 has 14 MA's), (177, 20253), (245, 20424), (293, 20574), (300, 20613), (320, 20715), (324, 20757), (396, 21129),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 50

Candidate Starts for Murdoc_33:

(Start: 50 @32369 has 403 MA's), (Start: 80 @32480 has 1 MA's), (96, 32525), (130, 32624), (148, 32684), (161, 32720), (173, 32744), (194, 32789), (196, 32795), (216, 32846), (232, 32885), (233, 32888), (238, 32900), (245, 32915), (276, 32939), (288, 32972), (304, 33053), (314, 33098), (325, 33146), (331, 33182), (334, 33191), (337, 33197), (392, 33422),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 50

Candidate Starts for Mutante_32:

(Start: 50 @32076 has 403 MA's), (Start: 80 @32187 has 1 MA's), (96, 32232), (130, 32331), (148, 32391), (161, 32427), (173, 32451), (194, 32496), (196, 32502), (216, 32553), (232, 32592), (233, 32595), (238, 32607), (245, 32622), (276, 32646), (288, 32679), (304, 32760), (314, 32805), (325,

32853), (331, 32889), (334, 32898), (337, 32904), (392, 33129),

Gene: Mysterious_33 Start: 32854, Stop: 34362, Start Num: 9

Candidate Starts for Mysterious_33:

(Start: 9 @32854 has 9 MA's), (13, 32893), (22, 32965), (24, 32992), (26, 33001), (31, 33043), (34, 33058), (36, 33070), (42, 33100), (Start: 52 @33121 has 23 MA's), (55, 33130), (67, 33178), (81, 33232), (83, 33235), (105, 33307), (121, 33358), (128, 33385), (137, 33412), (154, 33463), (166, 33499), (169, 33514), (186, 33553), (191, 33568), (220, 33643), (238, 33688), (242, 33694), (245, 33703), (272, 33775), (284, 33799), (291, 33826), (301, 33865), (306, 33901), (329, 34027), (350, 34117), (383, 34228), (404, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 50

Candidate Starts for Nacho_0033:

(Start: 50 @32371 has 403 MA's), (Start: 80 @32482 has 1 MA's), (96, 32527), (130, 32626), (148, 32686), (161, 32722), (173, 32746), (194, 32791), (196, 32797), (216, 32848), (232, 32887), (233, 32890), (238, 32902), (245, 32917), (276, 32941), (288, 32974), (304, 33055), (314, 33100), (325, 33148), (331, 33184), (334, 33193), (337, 33199), (392, 33424),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 50

Candidate Starts for Nanao_29:

(Start: 50 @31577 has 403 MA's), (76, 31670), (Start: 80 @31685 has 1 MA's), (87, 31700), (91, 31712), (96, 31730), (127, 31820), (141, 31871), (144, 31880), (146, 31886), (153, 31898), (161, 31925), (174, 31940), (181, 31946), (183, 31952), (198, 31985), (200, 31994), (214, 32027), (237, 32060), (282, 32150), (284, 32156), (305, 32255), (306, 32258), (337, 32402), (372, 32555),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 9

Candidate Starts for Nangang_32:

(Start: 9 @32544 has 9 MA's), (13, 32583), (22, 32655), (24, 32682), (31, 32733), (34, 32748), (106, 33000), (116, 33030), (121, 33048), (128, 33075), (137, 33102), (169, 33204), (186, 33243), (191, 33258), (220, 33333), (238, 33378), (242, 33384), (245, 33393), (284, 33489), (301, 33555), (306, 33591), (350, 33804), (383, 33915), (404, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 54

Candidate Starts for Nanosmite_35:

(Start: 50 @27717 has 403 MA's), (Start: 54 @27723 has 1 MA's), (79, 27828), (Start: 80 @27831 has 1 MA's), (91, 27858), (135, 27984), (150, 28038), (153, 28044), (155, 28053), (185, 28113), (196, 28146), (208, 28176), (211, 28182), (239, 28242), (277, 28284), (336, 28539), (344, 28593), (372, 28689), (378, 28716), (380, 28722),

Gene: Nathan_34 Start: 32407, Stop: 33567, Start Num: 50

Candidate Starts for Nathan_34:

(Start: 50 @32407 has 403 MA's), (Start: 80 @32518 has 1 MA's), (96, 32563), (130, 32662), (148, 32722), (161, 32758), (173, 32782), (194, 32827), (196, 32833), (216, 32884), (232, 32923), (233, 32926), (238, 32938), (245, 32953), (276, 32977), (288, 33010), (304, 33091), (314, 33136), (325, 33184), (331, 33220), (334, 33229), (337, 33235), (392, 33460),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 52

Candidate Starts for Nazo_22:

(Start: 52 @21497 has 23 MA's), (56, 21518), (99, 21659), (111, 21689), (119, 21710), (140, 21773), (160, 21812), (287, 21971), (311, 22103), (331, 22199), (398, 22484),

Gene: Nehemiah_31 Start: 32857, Stop: 34362, Start Num: 9

Candidate Starts for Nehemiah_31:

(Start: 9 @32857 has 9 MA's), (13, 32896), (22, 32968), (24, 32995), (26, 33004), (31, 33046), (34, 33061), (36, 33073), (42, 33103), (Start: 52 @33124 has 23 MA's), (55, 33133), (67, 33181), (81, 33235), (83, 33238), (105, 33310), (121, 33361), (128, 33388), (137, 33415), (154, 33466), (166, 33502), (169, 33517), (186, 33556), (191, 33571), (220, 33646), (238, 33691), (242, 33697), (245, 33706), (272, 33778), (284, 33802), (291, 33829), (301, 33868), (306, 33904), (329, 34027), (350, 34117), (383, 34228), (404, 34348),

Gene: Nenae_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for Nenae_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 50

Candidate Starts for Neos5_33:

(Start: 50 @33020 has 403 MA's), (59, 33053), (105, 33197), (108, 33206), (112, 33215), (124, 33254), (127, 33263), (135, 33281), (138, 33299), (142, 33317), (144, 33323), (150, 33335), (156, 33353), (161, 33368), (181, 33401), (191, 33428), (208, 33473), (242, 33554), (253, 33581), (262, 33599), (267, 33617), (284, 33659), (290, 33683), (306, 33758), (309, 33788), (325, 33848), (327, 33860), (329, 33878), (351, 33980), (381, 34085), (383, 34091), (386, 34109), (401, 34196),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for Newman_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (245, 32914), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for Nicholas_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 50

Candidate Starts for Nicole21_33:

(Start: 50 @32366 has 403 MA's), (Start: 80 @32477 has 1 MA's), (96, 32522), (130, 32621), (148, 32681), (161, 32717), (173, 32741), (194, 32786), (196, 32792), (216, 32843), (232, 32882), (233, 32885), (238, 32897), (245, 32912), (276, 32936), (288, 32969), (304, 33050), (314, 33095), (325, 33143), (331, 33179), (334, 33188), (337, 33194), (392, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 50

Candidate Starts for Nigel_28:

(7, 30987), (Start: 50 @31491 has 403 MA's), (57, 31518), (Start: 80 @31602 has 1 MA's), (87, 31617), (91, 31629), (96, 31647), (141, 31788), (144, 31797), (153, 31815), (161, 31842), (174, 31857), (181, 31863), (183, 31869), (192, 31887), (198, 31902), (200, 31911), (214, 31944), (237, 31977), (243, 31989), (245, 31995), (282, 32067), (284, 32073), (303, 32163), (305, 32172), (337, 32319), (372, 32472),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 50

Candidate Starts for Nozo_33:

(Start: 50 @32981 has 403 MA's), (59, 33014), (105, 33158), (108, 33167), (112, 33176), (124, 33215), (127, 33224), (135, 33242), (138, 33260), (142, 33278), (144, 33284), (150, 33296), (156, 33314), (161, 33329), (181, 33362), (191, 33389), (208, 33434), (242, 33515), (253, 33542), (262, 33560), (267, 33578), (284, 33620), (290, 33644), (306, 33719), (309, 33749), (325, 33809), (327, 33821), (329, 33839), (351, 33941), (381, 34046), (383, 34052), (386, 34070), (401, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 50

Candidate Starts for Numberten_33:

(Start: 50 @32375 has 403 MA's), (Start: 80 @32486 has 1 MA's), (96, 32531), (130, 32630), (148, 32690), (161, 32726), (173, 32750), (194, 32795), (196, 32801), (216, 32852), (232, 32891), (233, 32894), (238, 32906), (276, 32945), (288, 32978), (304, 33059), (314, 33104), (325, 33152), (331, 33188), (334, 33197), (337, 33203), (392, 33428),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 50

Candidate Starts for Nyala_32:

(Start: 50 @32068 has 403 MA's), (Start: 80 @32179 has 1 MA's), (96, 32224), (130, 32323), (148, 32383), (161, 32419), (173, 32443), (194, 32488), (196, 32494), (216, 32545), (232, 32584), (233, 32587), (238, 32599), (245, 32614), (276, 32638), (288, 32671), (304, 32752), (314, 32797), (325, 32845), (331, 32881), (334, 32890), (337, 32896), (392, 33121),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 50

Candidate Starts for OSmaximus_33:

(Start: 50 @32410 has 403 MA's), (Start: 80 @32521 has 1 MA's), (96, 32566), (130, 32665), (148, 32725), (161, 32761), (173, 32785), (194, 32830), (196, 32836), (216, 32887), (232, 32926), (233, 32929), (238, 32941), (245, 32956), (276, 32980), (288, 33013), (304, 33094), (314, 33139), (325, 33187), (331, 33223), (334, 33232), (337, 33238), (392, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 50

Candidate Starts for Obutu_33:

(Start: 50 @32205 has 403 MA's), (59, 32238), (105, 32382), (108, 32391), (112, 32400), (124, 32439), (127, 32448), (135, 32466), (148, 32517), (153, 32526), (156, 32538), (158, 32544), (161, 32553), (186, 32598), (191, 32613), (208, 32658), (235, 32727), (243, 32742), (247, 32754), (259, 32778), (277, 32826), (280, 32832), (282, 32838), (284, 32844), (290, 32868), (306, 32943), (309, 32973), (325, 33033), (327, 33045), (329, 33063), (350, 33162), (351, 33165), (381, 33270), (383, 33276), (386, 33294), (401, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 50

Candidate Starts for OhShagHennessy_21:

(Start: 48 @21650 has 15 MA's), (Start: 50 @21653 has 403 MA's), (Start: 88 @21779 has 1 MA's), (103, 21821), (107, 21833), (108, 21836), (121, 21869), (123, 21881), (138, 21929), (142, 21947), (156, 21983), (161, 21998), (189, 22049), (199, 22079), (215, 22121), (224, 22145), (266, 22181), (267, 22187), (277, 22214), (284, 22232), (306, 22325), (307, 22328), (323, 22412), (354, 22550), (360, 22568), (381, 22652),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 50

Candidate Starts for Olak_32:

(Start: 50 @32072 has 403 MA's), (Start: 80 @32183 has 1 MA's), (96, 32228), (130, 32327), (148, 32387), (161, 32423), (173, 32447), (194, 32492), (196, 32498), (216, 32549), (232, 32588), (233, 32591), (238, 32603), (245, 32618), (276, 32642), (288, 32675), (304, 32756), (314, 32801), (325, 32849), (331, 32885), (334, 32894), (337, 32900), (392, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 50

Candidate Starts for Oline_32:

(Start: 50 @31937 has 403 MA's), (Start: 80 @32048 has 1 MA's), (96, 32093), (130, 32192), (148, 32252), (161, 32288), (173, 32312), (194, 32357), (196, 32363), (216, 32414), (232, 32453), (233, 32456), (238, 32468), (276, 32507), (288, 32540), (304, 32621), (325, 32714), (331, 32750), (334, 32759), (337, 32765), (392, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 50

Candidate Starts for Olive_33:

(Start: 50 @32358 has 403 MA's), (Start: 80 @32469 has 1 MA's), (96, 32514), (130, 32613), (148, 32673), (161, 32709), (173, 32733), (194, 32778), (196, 32784), (216, 32835), (232, 32874), (233, 32877), (238, 32889), (276, 32928), (288, 32961), (304, 33042), (314, 33087), (325, 33135), (331, 33171), (334, 33180), (337, 33186), (392, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 50

Candidate Starts for OliverWalter_33:

(Start: 50 @32380 has 403 MA's), (Start: 80 @32491 has 1 MA's), (96, 32536), (130, 32635), (148, 32695), (161, 32731), (173, 32755), (194, 32800), (196, 32806), (216, 32857), (232, 32896), (233, 32899), (238, 32911), (245, 32926), (276, 32950), (288, 32983), (304, 33064), (314, 33109), (325, 33157), (331, 33193), (334, 33202), (337, 33208), (392, 33433),

Gene: Olivio_32 Start: 32074, Stop: 33276, Start Num: 50

Candidate Starts for Olivio_32:

(Start: 50 @32074 has 403 MA's), (59, 32107), (105, 32251), (108, 32260), (112, 32269), (124, 32308), (127, 32317), (135, 32335), (138, 32353), (142, 32371), (144, 32377), (150, 32389), (156, 32407), (161, 32422), (181, 32455), (191, 32482), (208, 32527), (242, 32608), (253, 32635), (262, 32653), (267, 32671), (284, 32713), (290, 32737), (306, 32812), (309, 32842), (325, 32902), (327, 32914), (329, 32932), (350, 33031), (351, 33034), (381, 33139), (383, 33145), (386, 33163), (401, 33250),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Omniscient_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for Oosterbaan_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (245, 32914), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 50

Candidate Starts for Opia_33:

(19, 32537), (Start: 47 @32678 has 9 MA's), (Start: 50 @32684 has 403 MA's), (62, 32723), (69, 32753), (Start: 80 @32798 has 1 MA's), (96, 32843), (130, 32942), (148, 33002), (161, 33038), (173, 33062), (194, 33107), (196, 33113), (216, 33164), (232, 33203), (233, 33206), (238, 33218), (245, 33233), (276, 33257), (288, 33290), (304, 33371), (325, 33464), (331, 33500), (334, 33509), (337, 33515), (392, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 50

Candidate Starts for OrangeOswald_33:

(Start: 50 @32222 has 403 MA's), (59, 32255), (105, 32399), (108, 32408), (112, 32417), (124, 32456), (127, 32465), (135, 32483), (138, 32501), (142, 32519), (144, 32525), (150, 32537), (156, 32555), (161, 32570), (181, 32603), (191, 32630), (208, 32675), (242, 32756), (253, 32783), (262, 32801), (267, 32819), (284, 32861), (290, 32885), (306, 32960), (309, 32990), (325, 33050), (327, 33062), (329, 33080), (351, 33182), (381, 33287), (383, 33293), (386, 33311), (401, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 50

Candidate Starts for Orfeu_32:

(Start: 50 @32076 has 403 MA's), (Start: 80 @32187 has 1 MA's), (96, 32232), (130, 32331), (148, 32391), (161, 32427), (173, 32451), (194, 32496), (196, 32502), (216, 32553), (232, 32592), (233, 32595), (238, 32607), (245, 32622), (276, 32646), (288, 32679), (304, 32760), (314, 32805), (325, 32853), (331, 32889), (334, 32898), (337, 32904), (392, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 50

Candidate Starts for Orion_33:

(Start: 50 @32366 has 403 MA's), (Start: 80 @32477 has 1 MA's), (96, 32522), (130, 32621), (148, 32681), (161, 32717), (173, 32741), (194, 32786), (196, 32792), (216, 32843), (232, 32882), (233, 32885), (238, 32897), (245, 32912), (276, 32936), (288, 32969), (304, 33050), (314, 33095), (325, 33143), (331, 33179), (334, 33188), (337, 33194), (392, 33419),

Gene: Orwigg_32 Start: 32064, Stop: 33224, Start Num: 50

Candidate Starts for Orwigg_32:

(Start: 50 @32064 has 403 MA's), (Start: 80 @32175 has 1 MA's), (96, 32220), (130, 32319), (148, 32379), (161, 32415), (173, 32439), (194, 32484), (196, 32490), (216, 32541), (232, 32580), (233, 32583), (238, 32595), (245, 32610), (276, 32634), (288, 32667), (304, 32748), (314, 32793), (325, 32841), (331, 32877), (334, 32886), (337, 32892), (392, 33117),

Gene: P3MA_24 Start: 20823, Stop: 21977, Start Num: 50

Candidate Starts for P3MA_24:

(Start: 50 @20823 has 403 MA's), (91, 20955), (Start: 92 @20958 has 6 MA's), (107, 21003), (108, 21006), (112, 21015), (121, 21039), (132, 21075), (133, 21078), (135, 21081), (153, 21141), (161, 21168), (181, 21201), (189, 21219), (223, 21315), (226, 21321), (261, 21336), (277, 21381), (302, 21471), (303, 21489), (337, 21645), (349, 21711),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 50

Candidate Starts for PG1_33:

(Start: 50 @32379 has 403 MA's), (Start: 80 @32490 has 1 MA's), (96, 32535), (130, 32634), (148, 32694), (161, 32730), (173, 32754), (194, 32799), (196, 32805), (216, 32856), (232, 32895), (233, 32898), (238, 32910), (245, 32925), (276, 32949), (288, 32982), (304, 33063), (314, 33108), (325, 33156), (331, 33192), (334, 33201), (337, 33207), (392, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 45

Candidate Starts for PR_25:

(Start: 45 @29919 has 2 MA's), (Start: 50 @29925 has 403 MA's), (60, 29964), (Start: 80 @30039 has 1 MA's), (82, 30042), (94, 30075), (100, 30096), (105, 30108), (107, 30114), (112, 30126), (124, 30165), (125, 30168), (148, 30243), (156, 30264), (191, 30339), (208, 30384), (220, 30414), (238, 30459), (243, 30468), (245, 30474), (247, 30480), (259, 30504), (275, 30549), (284, 30570), (290, 30594), (306, 30669), (309, 30699), (325, 30759), (327, 30771), (329, 30789), (350, 30888), (351, 30891), (381, 30996), (383, 31002), (393, 31068), (397, 31071), (401, 31107),

Gene: PYPDinur_21 Start: 21427, Stop: 22581, Start Num: 50

Candidate Starts for PYPDinur_21:

(Start: 50 @21427 has 403 MA's), (79, 21529), (84, 21541), (108, 21610), (138, 21703), (156, 21757), (168, 21787), (173, 21796), (192, 21835), (211, 21883), (220, 21907), (223, 21919), (262, 21943), (284, 22003), (292, 22033), (319, 22150), (322, 22186), (325, 22195), (338, 22252), (343, 22291),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 50

Candidate Starts for Pacifista_32:

(Start: 50 @32070 has 403 MA's), (Start: 80 @32181 has 1 MA's), (96, 32226), (130, 32325), (148, 32385), (161, 32421), (173, 32445), (194, 32490), (196, 32496), (216, 32547), (232, 32586), (233, 32589), (238, 32601), (245, 32616), (276, 32640), (288, 32673), (304, 32754), (314, 32799), (325, 32847), (331, 32883), (334, 32892), (337, 32898), (392, 33123),

Gene: Parmesanjohn_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Parmesanjohn_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: PenguinLover67_33 Start: 33434, Stop: 34648, Start Num: 46

Candidate Starts for PenguinLover67_33:

(Start: 46 @33434 has 9 MA's), (90, 33572), (109, 33632), (124, 33680), (125, 33683), (137, 33719), (141, 33740), (156, 33779), (165, 33803), (188, 33842), (201, 33881), (210, 33902), (216, 33920), (218, 33923), (305, 34136), (306, 34139), (316, 34184), (376, 34478),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 50

Candidate Starts for Phaedrus_31:

(Start: 50 @32138 has 403 MA's), (59, 32171), (105, 32315), (108, 32324), (112, 32333), (124, 32372), (127, 32381), (135, 32399), (138, 32417), (142, 32435), (144, 32441), (150, 32453), (156, 32471), (161, 32486), (181, 32519), (191, 32546), (208, 32591), (242, 32672), (253, 32699), (262, 32717), (267, 32735), (284, 32777), (309, 32906), (329, 32996), (351, 33098), (368, 33155), (371, 33164), (381, 33203), (393, 33275), (402, 33317),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Phamished_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 52

Candidate Starts for PhancyPhin_21:

(12, 19637), (17, 19679), (20, 19709), (Start: 23 @19739 has 1 MA's), (32, 19799), (43, 19853), (Start: 52 @19874 has 23 MA's), (68, 19937), (74, 19955), (Start: 88 @20003 has 1 MA's), (106, 20063), (109, 20072), (115, 20087), (124, 20111), (134, 20135), (137, 20147), (161, 20222), (165, 20231), (172, 20255), (186, 20285), (204, 20330), (205, 20333), (207, 20339), (244, 20369), (245, 20372), (254, 20393), (304, 20552), (322, 20642), (325, 20651), (329, 20681), (337, 20702), (402, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 50

Candidate Starts for Phantasmagoria_33:

(Start: 47 @32689 has 9 MA's), (Start: 50 @32695 has 403 MA's), (62, 32734), (69, 32764), (Start: 80 @32809 has 1 MA's), (96, 32854), (130, 32953), (148, 33013), (161, 33049), (173, 33073), (194, 33118), (196, 33124), (216, 33175), (232, 33214), (233, 33217), (238, 33229), (245, 33244), (276, 33268), (288, 33301), (304, 33382), (314, 33427), (325, 33475), (331, 33511), (334, 33520), (337, 33526), (392, 33751),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 50

Candidate Starts for Phareon_33:

(Start: 50 @32078 has 403 MA's), (Start: 80 @32189 has 1 MA's), (96, 32234), (130, 32333), (148, 32393), (161, 32429), (173, 32453), (194, 32498), (196, 32504), (216, 32555), (232, 32594), (233, 32597), (238, 32609), (245, 32624), (276, 32648), (288, 32681), (304, 32762), (314, 32807), (325, 32855), (331, 32891), (334, 32900), (337, 32906), (392, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 50

Candidate Starts for PhatCats2014_33:

(Start: 50 @32383 has 403 MA's), (Start: 80 @32494 has 1 MA's), (96, 32539), (130, 32638), (148, 32698), (161, 32734), (173, 32758), (194, 32803), (196, 32809), (216, 32860), (232, 32899), (233, 32902), (238, 32914), (245, 32929), (276, 32953), (288, 32986), (304, 33067), (314, 33112), (325, 33160), (331, 33196), (334, 33205), (337, 33211), (392, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 50

Candidate Starts for PhatLouie_33:

(Start: 50 @32372 has 403 MA's), (Start: 80 @32483 has 1 MA's), (96, 32528), (130, 32627), (148, 32687), (161, 32723), (173, 32747), (194, 32792), (196, 32798), (216, 32849), (232, 32888), (233, 32891), (238, 32903), (276, 32942), (288, 32975), (304, 33056), (325, 33149), (331, 33185), (334, 33194), (337, 33200), (392, 33425),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 9

Candidate Starts for Phelemich_32:

(Start: 9 @32856 has 9 MA's), (13, 32895), (22, 32967), (24, 32994), (31, 33045), (34, 33060), (36, 33072), (42, 33102), (Start: 52 @33123 has 23 MA's), (55, 33132), (81, 33234), (83, 33237), (105, 33309), (121, 33360), (128, 33387), (137, 33414), (154, 33465), (166, 33501), (169, 33516), (186, 33555), (191, 33570), (220, 33645), (238, 33690), (242, 33696), (245, 33705), (272, 33777), (284, 33801), (291, 33828), (301, 33867), (306, 33903), (381, 34221), (383, 34227), (404, 34347),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 50

Candidate Starts for PhenghisKhan_32:

(Start: 50 @31978 has 403 MA's), (Start: 80 @32089 has 1 MA's), (96, 32134), (130, 32233), (148, 32293), (161, 32329), (173, 32353), (194, 32398), (196, 32404), (216, 32455), (232, 32494), (233, 32497), (238, 32509), (276, 32548), (288, 32581), (304, 32662), (325, 32755), (331, 32791), (334, 32800), (337, 32806), (392, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Pherdinand_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 50

Candidate Starts for Phergie_32:

(Start: 50 @31969 has 403 MA's), (Start: 80 @32080 has 1 MA's), (96, 32125), (130, 32224), (148, 32284), (161, 32320), (173, 32344), (194, 32389), (196, 32395), (216, 32446), (232, 32485), (233, 32488), (238, 32500), (276, 32539), (288, 32572), (304, 32653), (325, 32746), (331, 32782), (334, 32791), (337, 32797), (392, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 50

Candidate Starts for Philly_32:

(Start: 50 @32073 has 403 MA's), (105, 32250), (108, 32259), (112, 32268), (124, 32307), (127, 32316), (135, 32334), (138, 32352), (142, 32370), (144, 32376), (150, 32388), (156, 32406), (161, 32421), (181, 32454), (191, 32481), (208, 32526), (242, 32607), (253, 32634), (262, 32652), (267, 32670), (284, 32712), (290, 32736), (306, 32811), (309, 32841), (325, 32901), (327, 32913), (329, 32931), (351, 33033), (381, 33138), (383, 33144), (386, 33162), (401, 33249),

Gene: Philonius_22 Start: 20220, Stop: 21437, Start Num: 85

Candidate Starts for Philonius_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 50

Candidate Starts for Phipps_33:

(Start: 50 @32345 has 403 MA's), (Start: 80 @32456 has 1 MA's), (96, 32501), (130, 32600), (148, 32660), (161, 32696), (173, 32720), (194, 32765), (196, 32771), (216, 32822), (232, 32861), (233, 32864), (238, 32876), (276, 32915), (288, 32948), (304, 33029), (314, 33074), (325, 33122), (331, 33158), (334, 33167), (337, 33173), (392, 33398),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 50

Candidate Starts for Phleuron_32:

(Start: 50 @31975 has 403 MA's), (Start: 80 @32086 has 1 MA's), (96, 32131), (130, 32230), (148, 32290), (161, 32326), (173, 32350), (194, 32395), (196, 32401), (216, 32452), (232, 32491), (233, 32494), (238, 32506), (276, 32545), (288, 32578), (304, 32659), (314, 32704), (325, 32752), (331, 32788), (334, 32797), (337, 32803), (392, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 51

Candidate Starts for Phloss_21:

(Start: 51 @20203 has 3 MA's), (74, 20284), (Start: 88 @20332 has 1 MA's), (106, 20392), (109, 20401), (115, 20416), (124, 20440), (134, 20464), (137, 20476), (156, 20536), (161, 20551), (165, 20560), (172, 20584), (179, 20599), (186, 20614), (244, 20698), (245, 20701), (254, 20722), (268, 20743), (271, 20752), (276, 20764), (281, 20773), (337, 21034), (346, 21103), (402, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 50

Candidate Starts for Phlyer_33:

(Start: 50 @32957 has 403 MA's), (59, 32990), (105, 33134), (108, 33143), (112, 33152), (124, 33191), (127, 33200), (135, 33218), (138, 33236), (142, 33254), (144, 33260), (150, 33272), (156, 33290), (161, 33305), (181, 33338), (191, 33365), (208, 33410), (242, 33491), (253, 33518), (262, 33536), (267, 33554), (284, 33596), (309, 33725), (329, 33815), (351, 33917), (368, 33974), (371, 33983), (381, 34022), (393, 34094), (402, 34136),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 50

Candidate Starts for PhrankReynolds_32:

(Start: 50 @31975 has 403 MA's), (Start: 80 @32086 has 1 MA's), (96, 32131), (130, 32230), (148, 32290), (161, 32326), (173, 32350), (194, 32395), (196, 32401), (216, 32452), (232, 32491), (233, 32494), (238, 32506), (276, 32545), (288, 32578), (304, 32659), (325, 32752), (331, 32788), (334, 32797), (337, 32803), (392, 33028),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 50

Candidate Starts for PhrodoBaggins_32:

(Start: 50 @32362 has 403 MA's), (Start: 80 @32473 has 1 MA's), (96, 32518), (130, 32617), (148, 32677), (161, 32713), (173, 32737), (194, 32782), (196, 32788), (216, 32839), (232, 32878), (233, 32881), (238, 32893), (276, 32932), (288, 32965), (304, 33046), (314, 33091), (325, 33139), (331, 33175), (334, 33184), (337, 33190), (392, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 50

Candidate Starts for Phunky_33:

(Start: 50 @32375 has 403 MA's), (Start: 80 @32486 has 1 MA's), (96, 32531), (130, 32630), (148, 32690), (161, 32726), (173, 32750), (194, 32795), (196, 32801), (216, 32852), (232, 32891), (233, 32894), (238, 32906), (245, 32921), (276, 32945), (288, 32978), (304, 33059), (314, 33104), (325, 33152), (331, 33188), (334, 33197), (337, 33203), (392, 33428),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 50

Candidate Starts for Piglet_0032:

(Start: 50 @32482 has 403 MA's), (Start: 80 @32593 has 1 MA's), (96, 32638), (130, 32737), (148, 32797), (161, 32833), (173, 32857), (194, 32902), (196, 32908), (216, 32959), (232, 32998), (233, 33001), (238, 33013), (245, 33028), (276, 33052), (288, 33085), (304, 33166), (314, 33211), (325, 33259), (331, 33295), (334, 33304), (337, 33310), (392, 33535),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 50

Candidate Starts for PinheadLarry_33:

(Start: 50 @32088 has 403 MA's), (Start: 80 @32199 has 1 MA's), (96, 32244), (130, 32343), (148, 32403), (161, 32439), (173, 32463), (194, 32508), (196, 32514), (216, 32565), (232, 32604), (233, 32607), (238, 32619), (276, 32658), (288, 32691), (304, 32772), (314, 32817), (325, 32865), (331, 32901), (334, 32910), (337, 32916), (392, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 50

Candidate Starts for Pinkman_32:

(Start: 50 @31931 has 403 MA's), (Start: 80 @32042 has 1 MA's), (96, 32087), (130, 32186), (148, 32246), (161, 32282), (173, 32306), (194, 32351), (196, 32357), (216, 32408), (232, 32447), (233, 32450), (238, 32462), (245, 32477), (276, 32501), (288, 32534), (304, 32615), (314, 32660), (325, 32708), (331, 32744), (334, 32753), (337, 32759), (392, 32984),

Gene: Pippy_19 Start: 20253, Stop: 21410, Start Num: 50

Candidate Starts for Pippy_19:

(Start: 48 @20250 has 15 MA's), (Start: 50 @20253 has 403 MA's), (74, 20334), (Start: 88 @20382 has 1 MA's), (106, 20442), (109, 20451), (115, 20466), (124, 20490), (134, 20514), (137, 20526), (156, 20586), (161, 20601), (165, 20610), (172, 20634), (186, 20664), (244, 20748), (245, 20751), (254, 20772), (268, 20793), (271, 20802), (276, 20814), (281, 20823), (337, 21084), (346, 21153), (402, 21387),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for Pipsqueak_33:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: Pipsqueaks_22 Start: 20220, Stop: 21437, Start Num: 85

Candidate Starts for Pipsqueaks_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 50

Candidate Starts for Placalicious_32:

(Start: 50 @32066 has 403 MA's), (Start: 80 @32177 has 1 MA's), (96, 32222), (130, 32321), (148, 32381), (161, 32417), (173, 32441), (194, 32486), (196, 32492), (216, 32543), (232, 32582), (233,

32585), (238, 32597), (245, 32612), (276, 32636), (288, 32669), (304, 32750), (314, 32795), (325, 32843), (331, 32879), (334, 32888), (337, 32894), (392, 33119),

Gene: Plata_33 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Plata_33:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (245, 32633), (276, 32657), (288, 32690), (304, 32771), (314, 32816), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 50

Candidate Starts for Plmatters_33:

(Start: 50 @32372 has 403 MA's), (Start: 80 @32483 has 1 MA's), (96, 32528), (130, 32627), (148, 32687), (161, 32723), (173, 32747), (194, 32792), (196, 32798), (216, 32849), (232, 32888), (233, 32891), (238, 32903), (276, 32942), (288, 32975), (304, 33056), (314, 33101), (325, 33149), (331, 33185), (334, 33194), (337, 33200), (392, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 50

Candidate Starts for Podrick_33:

(Start: 50 @32363 has 403 MA's), (Start: 80 @32474 has 1 MA's), (96, 32519), (130, 32618), (148, 32678), (161, 32714), (173, 32738), (194, 32783), (196, 32789), (216, 32840), (232, 32879), (233, 32882), (238, 32894), (276, 32933), (288, 32966), (304, 33047), (314, 33092), (325, 33140), (331, 33176), (334, 33185), (337, 33191), (392, 33416),

Gene: Poochiewood_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Poochiewood_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 50

Candidate Starts for Pops_33:

(Start: 50 @32387 has 403 MA's), (Start: 80 @32498 has 1 MA's), (96, 32543), (130, 32642), (148, 32702), (161, 32738), (173, 32762), (194, 32807), (196, 32813), (216, 32864), (232, 32903), (233, 32906), (238, 32918), (245, 32933), (276, 32957), (288, 32990), (304, 33071), (314, 33116), (325, 33164), (331, 33200), (334, 33209), (337, 33215), (392, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 50

Candidate Starts for Poster_29:

(Start: 50 @31578 has 403 MA's), (76, 31671), (Start: 80 @31686 has 1 MA's), (87, 31701), (91, 31713), (96, 31731), (127, 31821), (141, 31872), (144, 31881), (146, 31887), (153, 31899), (161, 31926), (174, 31941), (181, 31947), (183, 31953), (198, 31986), (200, 31995), (214, 32028), (237, 32061), (282, 32151), (284, 32157), (305, 32256), (306, 32259), (337, 32403), (372, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Potter_32:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (276, 32657), (288, 32690), (304, 32771), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 50

Candidate Starts for Prickles_33:

(Start: 50 @32363 has 403 MA's), (Start: 80 @32474 has 1 MA's), (96, 32519), (130, 32618), (148, 32678), (161, 32714), (173, 32738), (194, 32783), (196, 32789), (216, 32840), (232, 32879), (233, 32882), (238, 32894), (245, 32909), (276, 32933), (288, 32966), (304, 33047), (314, 33092), (325, 33140), (331, 33176), (334, 33185), (337, 33191), (392, 33416),

Gene: Prince_30 Start: 32761, Stop: 33918, Start Num: 50

Candidate Starts for Prince_30:

(Start: 50 @32761 has 403 MA's), (76, 32854), (Start: 80 @32869 has 1 MA's), (87, 32884), (91, 32896), (96, 32914), (113, 32956), (127, 33004), (141, 33055), (144, 33064), (153, 33082), (161, 33109), (174, 33124), (181, 33130), (183, 33136), (186, 33142), (198, 33169), (200, 33178), (214, 33211), (237, 33244), (263, 33304), (282, 33334), (284, 33340), (295, 33385), (305, 33439), (306, 33442), (337, 33586), (372, 33739),

Gene: PrinceCharming_33 Start: 32801, Stop: 33964, Start Num: 50

Candidate Starts for PrinceCharming_33:

(19, 32654), (Start: 47 @32795 has 9 MA's), (Start: 50 @32801 has 403 MA's), (62, 32840), (69, 32870), (Start: 80 @32915 has 1 MA's), (96, 32960), (130, 33059), (148, 33119), (161, 33155), (173, 33179), (194, 33224), (196, 33230), (216, 33281), (232, 33320), (233, 33323), (238, 33335), (245, 33350), (276, 33374), (288, 33407), (304, 33488), (325, 33581), (331, 33617), (334, 33626), (337, 33632), (392, 33857),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 50

Candidate Starts for ProfessorX_33:

(Start: 50 @32358 has 403 MA's), (Start: 80 @32469 has 1 MA's), (96, 32514), (130, 32613), (148, 32673), (161, 32709), (173, 32733), (194, 32778), (196, 32784), (216, 32835), (232, 32874), (233, 32877), (238, 32889), (276, 32928), (288, 32961), (304, 33042), (314, 33087), (325, 33135), (331, 33171), (334, 33180), (337, 33186), (392, 33411),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 50

Candidate Starts for Puhltonio_33:

(Start: 50 @32379 has 403 MA's), (Start: 80 @32490 has 1 MA's), (96, 32535), (130, 32634), (148, 32694), (161, 32730), (173, 32754), (194, 32799), (196, 32805), (216, 32856), (232, 32895), (233, 32898), (238, 32910), (276, 32949), (288, 32982), (304, 33063), (314, 33108), (325, 33156), (331, 33192), (334, 33201), (337, 33207), (392, 33432),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for Purgamenstris_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Quby_21 Start: 21546, Stop: 22553, Start Num: 88

Candidate Starts for Quby_21:

(Start: 65 @21468 has 4 MA's), (Start: 88 @21546 has 1 MA's), (149, 21720), (164, 21759), (187, 21798), (199, 21831), (243, 21909), (277, 21942), (318, 22104), (370, 22338), (378, 22371), (383, 22395), (390, 22440),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 50

Candidate Starts for QueenBeane_33:

(Start: 50 @32369 has 403 MA's), (Start: 80 @32480 has 1 MA's), (96, 32525), (130, 32624), (148, 32684), (161, 32720), (173, 32744), (194, 32789), (196, 32795), (216, 32846), (232, 32885), (233, 32888), (238, 32900), (245, 32915), (276, 32939), (288, 32972), (304, 33053), (314, 33098), (325, 33146), (331, 33182), (334, 33191), (337, 33197), (392, 33422),

Gene: QueenHazel_22 Start: 21423, Stop: 22634, Start Num: 52

Candidate Starts for QueenHazel_22:

(12, 21186), (17, 21228), (Start: 23 @21288 has 1 MA's), (32, 21348), (43, 21402), (Start: 52 @21423 has 23 MA's), (74, 21504), (Start: 88 @21552 has 1 MA's), (106, 21612), (109, 21621), (115, 21636), (124, 21660), (134, 21684), (137, 21696), (145, 21732), (161, 21771), (165, 21780), (172, 21804), (186, 21834), (219, 21918), (220, 21921), (228, 21942), (244, 21978), (245, 21981), (254, 22002), (276, 22044), (304, 22161), (311, 22197), (314, 22203), (337, 22308), (352, 22389),

Gene: QueenPie_29 Start: 32702, Stop: 33859, Start Num: 50

Candidate Starts for QueenPie_29:

(Start: 50 @32702 has 403 MA's), (76, 32795), (Start: 80 @32810 has 1 MA's), (87, 32825), (91, 32837), (96, 32855), (127, 32945), (141, 32996), (144, 33005), (153, 33023), (161, 33050), (174, 33065), (181, 33071), (183, 33077), (186, 33083), (198, 33110), (200, 33119), (214, 33152), (237, 33185), (245, 33203), (263, 33245), (282, 33275), (284, 33281), (289, 33302), (305, 33380), (306, 33383), (317, 33428), (337, 33527), (372, 33680),

Gene: Quesadilla_32 Start: 33335, Stop: 34516, Start Num: 46

Candidate Starts for Quesadilla_32:

(38, 33302), (Start: 46 @33335 has 9 MA's), (Start: 80 @33452 has 1 MA's), (87, 33467), (90, 33473), (109, 33533), (124, 33581), (133, 33605), (144, 33650), (159, 33689), (163, 33701), (168, 33710), (181, 33728), (198, 33770), (202, 33785), (218, 33824), (220, 33830), (241, 33875), (244, 33881), (284, 33926), (307, 34028),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 50

Candidate Starts for Quisquilliae_33:

(Start: 50 @32397 has 403 MA's), (Start: 80 @32508 has 1 MA's), (96, 32553), (130, 32652), (148, 32712), (161, 32748), (173, 32772), (194, 32817), (196, 32823), (216, 32874), (232, 32913), (233, 32916), (238, 32928), (276, 32967), (288, 33000), (304, 33081), (314, 33126), (325, 33174), (331, 33210), (334, 33219), (337, 33225), (392, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 48

Candidate Starts for Qyrzula_31:

(21, 32632), (Start: 45 @32773 has 2 MA's), (Start: 48 @32776 has 15 MA's), (69, 32845), (91, 32914), (100, 32944), (105, 32956), (107, 32962), (108, 32965), (112, 32974), (124, 33013), (127, 33022), (132, 33034), (148, 33091), (156, 33112), (161, 33127), (186, 33172), (191, 33187), (208, 33232), (235, 33301), (247, 33328), (259, 33352), (275, 33397), (284, 33418), (290, 33442), (306, 33517), (309, 33547), (325, 33607), (327, 33619), (329, 33637), (351, 33739), (381, 33844), (383, 33850), (386, 33868), (397, 33919), (401, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 50

Candidate Starts for RagingRooster_33:

(Start: 50 @32223 has 403 MA's), (59, 32256), (105, 32400), (108, 32409), (112, 32418), (124, 32457), (127, 32466), (135, 32484), (138, 32502), (142, 32520), (144, 32526), (150, 32538), (156, 32556), (161, 32571), (181, 32604), (191, 32631), (208, 32676), (242, 32757), (253, 32784), (262, 32802), (267, 32820), (284, 32862), (290, 32886), (306, 32961), (309, 32991), (325, 33051), (327, 33063), (329, 33081), (351, 33183), (381, 33288), (383, 33294), (386, 33312), (401, 33399),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 50

Candidate Starts for RawrgerThat_30:

(Start: 50 @32607 has 403 MA's), (76, 32700), (Start: 80 @32715 has 1 MA's), (87, 32730), (91, 32742), (96, 32760), (113, 32802), (141, 32901), (144, 32910), (153, 32928), (161, 32955), (174, 32970), (181, 32976), (183, 32982), (186, 32988), (198, 33015), (200, 33024), (214, 33057), (237, 33090), (282, 33180), (284, 33186), (305, 33285), (306, 33288), (337, 33432), (372, 33585),

Gene: Red305_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for Red305_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 50

Candidate Starts for RedMaple_32:

(Start: 50 @32376 has 403 MA's), (Start: 80 @32487 has 1 MA's), (96, 32532), (130, 32631), (148, 32691), (161, 32727), (173, 32751), (194, 32796), (196, 32802), (216, 32853), (232, 32892), (233, 32895), (238, 32907), (276, 32946), (288, 32979), (304, 33060), (314, 33105), (325, 33153), (331, 33189), (334, 33198), (337, 33204), (392, 33429),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for Redi_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Rem711_30 Start: 25189, Stop: 26352, Start Num: 52

Candidate Starts for Rem711_30:

(Start: 52 @25189 has 23 MA's), (130, 25450), (147, 25510), (164, 25555), (170, 25573), (186, 25609), (252, 25717), (269, 25732), (291, 25789), (323, 25951), (353, 26101),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 9

Candidate Starts for Reprobate_32:

(Start: 9 @32861 has 9 MA's), (13, 32900), (22, 32972), (24, 32999), (31, 33050), (34, 33065), (36, 33077), (42, 33107), (Start: 52 @33128 has 23 MA's), (55, 33137), (81, 33239), (83, 33242), (105, 33314), (121, 33365), (128, 33392), (137, 33419), (154, 33470), (166, 33506), (169, 33521), (186, 33560), (191, 33575), (220, 33650), (238, 33695), (242, 33701), (245, 33710), (272, 33782), (284, 33806), (291, 33833), (301, 33872), (306, 33908), (381, 34226), (383, 34232), (404, 34352),

Gene: Rey_35 Start: 28073, Stop: 29155, Start Num: 92

Candidate Starts for Rey_35:

(89, 28067), (Start: 92 @28073 has 6 MA's), (120, 28148), (137, 28193), (139, 28205), (144, 28223), (148, 28232), (167, 28283), (176, 28298), (188, 28322), (194, 28343), (218, 28403), (298, 28622), (385, 29024),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 50

Candidate Starts for Rhinoforte_33:

(19, 32657), (Start: 47 @32798 has 9 MA's), (Start: 50 @32804 has 403 MA's), (62, 32843), (69, 32873), (Start: 80 @32918 has 1 MA's), (96, 32963), (130, 33062), (148, 33122), (161, 33158), (173, 33182), (194, 33227), (196, 33233), (216, 33284), (232, 33323), (233, 33326), (238, 33338), (245,

33353), (276, 33377), (288, 33410), (304, 33491), (314, 33536), (325, 33584), (331, 33620), (334, 33629), (337, 33635), (347, 33695), (392, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 9

Candidate Starts for Rich_31:

(Start: 9 @32367 has 9 MA's), (10, 32385), (13, 32406), (18, 32460), (22, 32478), (27, 32529), (31, 32556), (34, 32571), (121, 32871), (128, 32898), (137, 32925), (158, 32991), (166, 33012), (169, 33027), (186, 33066), (220, 33156), (230, 33183), (234, 33192), (245, 33216), (284, 33312), (291, 33339), (301, 33378), (306, 33414), (329, 33537), (357, 33642), (383, 33738), (386, 33756), (404, 33858),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 50

Candidate Starts for Ricotta_32:

(Start: 50 @32096 has 403 MA's), (Start: 80 @32207 has 1 MA's), (96, 32252), (130, 32351), (148, 32411), (161, 32447), (173, 32471), (194, 32516), (196, 32522), (216, 32573), (232, 32612), (233, 32615), (238, 32627), (245, 32642), (276, 32666), (288, 32699), (304, 32780), (314, 32825), (325, 32873), (331, 32909), (334, 32918), (337, 32924), (392, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 50

Candidate Starts for Riggan_33:

(Start: 50 @32356 has 403 MA's), (Start: 80 @32467 has 1 MA's), (96, 32512), (130, 32611), (148, 32671), (161, 32707), (173, 32731), (194, 32776), (196, 32782), (216, 32833), (232, 32872), (233, 32875), (238, 32887), (276, 32926), (288, 32959), (304, 33040), (314, 33085), (325, 33133), (331, 33169), (334, 33178), (337, 33184), (392, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 50

Candidate Starts for Rimu_34:

(Start: 50 @32105 has 403 MA's), (Start: 80 @32216 has 1 MA's), (96, 32261), (130, 32360), (148, 32420), (161, 32456), (173, 32480), (194, 32525), (196, 32531), (216, 32582), (232, 32621), (233, 32624), (238, 32636), (245, 32651), (276, 32675), (288, 32708), (304, 32789), (314, 32834), (325, 32882), (331, 32918), (334, 32927), (337, 32933), (392, 33158),

Gene: Rinke_34 Start: 33816, Stop: 35012, Start Num: 50

Candidate Starts for Rinke_34:

(33, 33759), (40, 33795), (Start: 50 @33816 has 403 MA's), (63, 33861), (72, 33906), (Start: 80 @33939 has 1 MA's), (89, 33963), (96, 33984), (101, 33999), (104, 34005), (118, 34044), (121, 34050), (124, 34065), (127, 34074), (138, 34110), (141, 34125), (144, 34134), (155, 34161), (156, 34164), (165, 34188), (168, 34194), (194, 34251), (195, 34254), (214, 34302), (215, 34305), (220, 34317), (230, 34344), (234, 34353), (235, 34356), (253, 34380), (268, 34431), (285, 34470), (290, 34491), (303, 34563), (304, 34569), (328, 34677), (332, 34698), (337, 34710), (362, 34812), (369, 34821), (391, 34914),

Gene: Rita130_32 Start: 32589, Stop: 34094, Start Num: 9

Candidate Starts for Rita130_32:

(Start: 9 @32589 has 9 MA's), (10, 32607), (13, 32628), (18, 32682), (29, 32760), (31, 32778), (34, 32793), (36, 32805), (105, 33042), (121, 33093), (128, 33120), (137, 33147), (166, 33234), (169, 33249), (186, 33288), (220, 33378), (245, 33438), (291, 33561), (301, 33600), (306, 33636), (383, 33960), (404, 34080),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 50

Candidate Starts for Rita1961_33:

(Start: 50 @32206 has 403 MA's), (59, 32239), (105, 32383), (108, 32392), (112, 32401), (124, 32440), (127, 32449), (135, 32467), (148, 32518), (153, 32527), (156, 32539), (158, 32545), (161, 32554),

(186, 32599), (191, 32614), (208, 32659), (235, 32728), (243, 32743), (247, 32755), (259, 32779), (277, 32827), (280, 32833), (282, 32839), (284, 32845), (290, 32869), (306, 32944), (309, 32974), (325, 33034), (327, 33046), (329, 33064), (350, 33163), (351, 33166), (381, 33271), (383, 33277), (386, 33295), (401, 33382),

Gene: Riverton_32 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Riverton_32:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 50

Candidate Starts for Robyn_32:

(Start: 50 @31940 has 403 MA's), (Start: 80 @32051 has 1 MA's), (96, 32096), (130, 32195), (148, 32255), (161, 32291), (173, 32315), (194, 32360), (196, 32366), (216, 32417), (232, 32456), (233, 32459), (238, 32471), (276, 32510), (288, 32543), (304, 32624), (314, 32669), (325, 32717), (331, 32753), (334, 32762), (337, 32768), (392, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 50

Candidate Starts for Roliet_33:

(Start: 50 @32365 has 403 MA's), (Start: 80 @32476 has 1 MA's), (96, 32521), (130, 32620), (148, 32680), (161, 32716), (173, 32740), (194, 32785), (196, 32791), (216, 32842), (232, 32881), (233, 32884), (238, 32896), (245, 32911), (276, 32935), (288, 32968), (304, 33049), (314, 33094), (325, 33142), (331, 33178), (334, 33187), (337, 33193), (392, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 50

Candidate Starts for RomaT_33:

(Start: 50 @32996 has 403 MA's), (59, 33029), (105, 33173), (108, 33182), (112, 33191), (124, 33230), (127, 33239), (135, 33257), (138, 33275), (142, 33293), (144, 33299), (150, 33311), (156, 33329), (161, 33344), (181, 33377), (191, 33404), (208, 33449), (242, 33530), (253, 33557), (262, 33575), (267, 33593), (284, 33635), (290, 33659), (306, 33734), (309, 33764), (325, 33824), (327, 33836), (329, 33854), (351, 33956), (381, 34061), (383, 34067), (386, 34085), (401, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 50

Candidate Starts for Roscoe_34:

(Start: 50 @32603 has 403 MA's), (Start: 80 @32714 has 1 MA's), (96, 32759), (130, 32858), (148, 32918), (161, 32954), (173, 32978), (194, 33023), (196, 33029), (216, 33080), (232, 33119), (233, 33122), (238, 33134), (276, 33173), (288, 33206), (304, 33287), (314, 33332), (325, 33380), (331, 33416), (334, 33425), (337, 33431), (392, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Rose5_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: RoseMarie_32 Start: 29180, Stop: 30352, Start Num: 54

Candidate Starts for RoseMarie_32:

(Start: 50 @29174 has 403 MA's), (Start: 54 @29180 has 1 MA's), (Start: 80 @29288 has 1 MA's), (91, 29315), (112, 29375), (118, 29393), (127, 29423), (135, 29441), (137, 29453), (150, 29495), (161,

29528), (178, 29558), (204, 29621), (211, 29639), (231, 29693), (272, 29735), (277, 29741), (282, 29753), (295, 29804), (330, 29981),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 50

Candidate Starts for Rosebush_33:

(19, 32664), (Start: 47 @32805 has 9 MA's), (Start: 50 @32811 has 403 MA's), (62, 32850), (69, 32880), (Start: 80 @32925 has 1 MA's), (96, 32970), (130, 33069), (148, 33129), (161, 33165), (173, 33189), (194, 33234), (196, 33240), (216, 33291), (232, 33330), (233, 33333), (238, 33345), (245, 33360), (276, 33384), (288, 33417), (304, 33498), (325, 33591), (331, 33627), (334, 33636), (337, 33642), (347, 33702), (392, 33867),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 50

Candidate Starts for Roy17_33:

(Start: 50 @32069 has 403 MA's), (Start: 80 @32180 has 1 MA's), (96, 32225), (130, 32324), (148, 32384), (161, 32420), (173, 32444), (194, 32489), (196, 32495), (216, 32546), (232, 32585), (233, 32588), (238, 32600), (245, 32615), (276, 32639), (288, 32672), (304, 32753), (314, 32798), (325, 32846), (331, 32882), (334, 32891), (337, 32897), (392, 33122),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 50

Candidate Starts for SDcharge11_33:

(Start: 50 @32343 has 403 MA's), (Start: 80 @32454 has 1 MA's), (96, 32499), (130, 32598), (148, 32658), (161, 32694), (173, 32718), (194, 32763), (196, 32769), (216, 32820), (232, 32859), (233, 32862), (238, 32874), (245, 32889), (276, 32913), (288, 32946), (304, 33027), (314, 33072), (325, 33120), (331, 33156), (334, 33165), (337, 33171), (392, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 50

Candidate Starts for Sabella_33:

(19, 32541), (Start: 47 @32682 has 9 MA's), (Start: 50 @32688 has 403 MA's), (62, 32727), (69, 32757), (Start: 80 @32802 has 1 MA's), (96, 32847), (130, 32946), (148, 33006), (161, 33042), (173, 33066), (194, 33111), (196, 33117), (216, 33168), (232, 33207), (233, 33210), (238, 33222), (245, 33237), (276, 33261), (288, 33294), (304, 33375), (325, 33468), (331, 33504), (334, 33513), (337, 33519), (392, 33744),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 46

Candidate Starts for Saguaro_32:

(14, 33223), (38, 33406), (Start: 46 @33436 has 9 MA's), (Start: 80 @33550 has 1 MA's), (93, 33577), (102, 33610), (107, 33625), (109, 33631), (124, 33679), (127, 33688), (148, 33757), (156, 33778), (165, 33802), (168, 33808), (201, 33883), (204, 33889), (211, 33907), (214, 33916), (218, 33925), (220, 33931), (299, 34051), (350, 34303), (382, 34411), (383, 34417),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 50

Candidate Starts for Samaymay_33:

(Start: 50 @32369 has 403 MA's), (Start: 80 @32480 has 1 MA's), (96, 32525), (130, 32624), (148, 32684), (161, 32720), (173, 32744), (194, 32789), (196, 32795), (216, 32846), (232, 32885), (233, 32888), (238, 32900), (245, 32915), (276, 32939), (288, 32972), (304, 33053), (314, 33098), (325, 33146), (331, 33182), (334, 33191), (337, 33197), (392, 33422),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 50

Candidate Starts for Samty_22:

(Start: 50 @22250 has 403 MA's), (79, 22352), (84, 22364), (91, 22382), (94, 22391), (107, 22430), (121, 22466), (124, 22481), (126, 22487), (136, 22517), (137, 22520), (145, 22556), (153, 22568), (173, 22619), (175, 22622), (200, 22682), (212, 22709), (218, 22724), (220, 22730), (223, 22742), (250, 22802), (262, 22826), (284, 22886), (305, 22982), (309, 23015), (327, 23087), (331, 23111),

(337, 23126), (387, 23339), (389, 23351),

Gene: Sarma624_20 Start: 20090, Stop: 21244, Start Num: 52

Candidate Starts for Sarma624_20:

(Start: 48 @20087 has 15 MA's), (Start: 52 @20090 has 23 MA's), (Start: 88 @20219 has 1 MA's), (98, 20249), (106, 20279), (109, 20288), (115, 20303), (124, 20327), (134, 20351), (137, 20363), (161, 20438), (165, 20447), (172, 20471), (186, 20501), (244, 20585), (245, 20588), (254, 20609), (322, 20858), (325, 20867), (329, 20897), (337, 20918), (346, 20987), (402, 21221),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 50

Candidate Starts for SassyCat97_32:

(Start: 50 @32075 has 403 MA's), (Start: 80 @32186 has 1 MA's), (96, 32231), (130, 32330), (148, 32390), (161, 32426), (173, 32450), (194, 32495), (196, 32501), (216, 32552), (232, 32591), (233, 32594), (238, 32606), (276, 32645), (288, 32678), (304, 32759), (314, 32804), (325, 32852), (331, 32888), (334, 32897), (337, 32903), (392, 33128),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 50

Candidate Starts for Schadenfreude_32:

(Start: 50 @31926 has 403 MA's), (Start: 80 @32037 has 1 MA's), (96, 32082), (130, 32181), (148, 32241), (161, 32277), (173, 32301), (194, 32346), (196, 32352), (216, 32403), (232, 32442), (233, 32445), (238, 32457), (276, 32496), (288, 32529), (304, 32610), (314, 32655), (325, 32703), (331, 32739), (334, 32748), (337, 32754), (392, 32979),

Gene: Schnauzer_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Schnauzer_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Schueller_32 Start: 32091, Stop: 33251, Start Num: 50

Candidate Starts for Schueller_32:

(Start: 50 @32091 has 403 MA's), (Start: 80 @32202 has 1 MA's), (96, 32247), (130, 32346), (148, 32406), (161, 32442), (173, 32466), (194, 32511), (196, 32517), (216, 32568), (232, 32607), (233, 32610), (238, 32622), (276, 32661), (288, 32694), (304, 32775), (314, 32820), (325, 32868), (331, 32904), (334, 32913), (337, 32919), (392, 33144),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for Scoot17C_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (245, 32914), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 50

Candidate Starts for Scrick_33:

(Start: 50 @32093 has 403 MA's), (Start: 80 @32204 has 1 MA's), (96, 32249), (130, 32348), (148, 32408), (161, 32444), (173, 32468), (194, 32513), (196, 32519), (216, 32570), (232, 32609), (233, 32612), (238, 32624), (245, 32639), (276, 32663), (288, 32696), (304, 32777), (314, 32822), (325, 32870), (331, 32906), (334, 32915), (337, 32921), (392, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 50

Candidate Starts for Sejanus_28:

(Start: 50 @29684 has 403 MA's), (60, 29720), (69, 29753), (Start: 80 @29798 has 1 MA's), (96, 29843), (97, 29846), (161, 30038), (173, 30062), (177, 30068), (196, 30113), (198, 30116), (216,

30164), (243, 30227), (244, 30230), (279, 30263), (301, 30338), (304, 30368), (329, 30491), (332, 30500), (334, 30506), (403, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 50

Candidate Starts for Selr12_33:

(Start: 50 @32097 has 403 MA's), (Start: 80 @32208 has 1 MA's), (96, 32253), (130, 32352), (148, 32412), (161, 32448), (173, 32472), (194, 32517), (196, 32523), (216, 32574), (232, 32613), (233, 32616), (238, 32628), (245, 32643), (276, 32667), (288, 32700), (304, 32781), (314, 32826), (325, 32874), (331, 32910), (334, 32919), (337, 32925), (392, 33150),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 9

Candidate Starts for Serendipitous_31:

(Start: 9 @32443 has 9 MA's), (10, 32461), (11, 32473), (13, 32482), (18, 32536), (22, 32554), (31, 32632), (34, 32647), (36, 32659), (67, 32767), (78, 32815), (84, 32827), (113, 32920), (121, 32947), (125, 32965), (128, 32974), (132, 32983), (137, 33001), (154, 33052), (158, 33067), (166, 33088), (186, 33139), (218, 33223), (220, 33229), (229, 33253), (238, 33274), (251, 33301), (284, 33385), (291, 33412), (301, 33451), (306, 33487), (350, 33700), (383, 33811), (404, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 50

Candidate Starts for Serendipity_33:

(Start: 50 @32393 has 403 MA's), (Start: 80 @32504 has 1 MA's), (96, 32549), (130, 32648), (148, 32708), (161, 32744), (173, 32768), (194, 32813), (196, 32819), (216, 32870), (232, 32909), (233, 32912), (238, 32924), (245, 32939), (276, 32963), (288, 32996), (304, 33077), (314, 33122), (325, 33170), (331, 33206), (334, 33215), (337, 33221), (392, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Serpentine_0033:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 50

Candidate Starts for Sheila_33:

(Start: 50 @32411 has 403 MA's), (Start: 80 @32522 has 1 MA's), (96, 32567), (130, 32666), (148, 32726), (161, 32762), (173, 32786), (194, 32831), (196, 32837), (216, 32888), (232, 32927), (233, 32930), (238, 32942), (245, 32957), (276, 32981), (288, 33014), (304, 33095), (314, 33140), (325, 33188), (331, 33224), (334, 33233), (337, 33239), (392, 33464),

Gene: Shenandoah_33 Start: 32195, Stop: 33397, Start Num: 50

Candidate Starts for Shenandoah_33:

(Start: 50 @32195 has 403 MA's), (59, 32228), (105, 32372), (108, 32381), (112, 32390), (124, 32429), (127, 32438), (135, 32456), (138, 32474), (142, 32492), (144, 32498), (150, 32510), (156, 32528), (161, 32543), (181, 32576), (191, 32603), (208, 32648), (242, 32729), (253, 32756), (262, 32774), (267, 32792), (284, 32834), (290, 32858), (306, 32933), (309, 32963), (325, 33023), (327, 33035), (329, 33053), (351, 33155), (381, 33260), (383, 33266), (386, 33284), (401, 33371),

Gene: Sheng711_21 Start: 21427, Stop: 22581, Start Num: 50

Candidate Starts for Sheng711_21:

(Start: 50 @21427 has 403 MA's), (79, 21529), (84, 21541), (108, 21610), (138, 21703), (156, 21757), (168, 21787), (173, 21796), (192, 21835), (211, 21883), (220, 21907), (223, 21919), (262, 21943), (292, 22033), (319, 22150), (322, 22186), (325, 22195), (338, 22252), (343, 22291),

Gene: Shenyu_32 Start: 32544, Stop: 34049, Start Num: 9

Candidate Starts for Shenyu_32:

(Start: 9 @32544 has 9 MA's), (13, 32583), (22, 32655), (29, 32715), (31, 32733), (34, 32748), (106, 33000), (116, 33030), (121, 33048), (128, 33075), (137, 33102), (169, 33204), (186, 33243), (191, 33258), (220, 33333), (238, 33378), (242, 33384), (245, 33393), (284, 33489), (301, 33555), (306, 33591), (350, 33804), (383, 33915), (404, 34035),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 50

Candidate Starts for ShiVal_33:

(Start: 50 @32367 has 403 MA's), (Start: 80 @32478 has 1 MA's), (96, 32523), (130, 32622), (148, 32682), (161, 32718), (173, 32742), (194, 32787), (196, 32793), (216, 32844), (232, 32883), (233, 32886), (238, 32898), (276, 32937), (288, 32970), (304, 33051), (314, 33096), (325, 33144), (331, 33180), (334, 33189), (337, 33195), (392, 33420),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for ShrimpFriedEgg_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (68, 19940), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (204, 20333), (205, 20336), (207, 20342), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 50

Candidate Starts for Sigman_33:

(Start: 50 @32359 has 403 MA's), (Start: 80 @32470 has 1 MA's), (96, 32515), (130, 32614), (148, 32674), (161, 32710), (173, 32734), (194, 32779), (196, 32785), (216, 32836), (232, 32875), (233, 32878), (238, 32890), (245, 32905), (276, 32929), (288, 32962), (304, 33043), (314, 33088), (325, 33136), (331, 33172), (334, 33181), (337, 33187), (392, 33412),

Gene: Silvafighter_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Silvafighter_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 50

Candidate Starts for SilverBell_33:

(Start: 50 @32389 has 403 MA's), (Start: 80 @32500 has 1 MA's), (96, 32545), (130, 32644), (148, 32704), (161, 32740), (173, 32764), (194, 32809), (196, 32815), (216, 32866), (232, 32905), (233, 32908), (238, 32920), (276, 32959), (288, 32992), (304, 33073), (314, 33118), (325, 33166), (331, 33202), (334, 33211), (337, 33217), (392, 33442),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Silverleaf_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: Silvy_22 Start: 20224, Stop: 21438, Start Num: 86

Candidate Starts for Silvy_22:

(15, 19894), (53, 20092), (Start: 85 @20221 has 6 MA's), (Start: 86 @20224 has 14 MA's), (177, 20485), (245, 20656), (293, 20806), (300, 20845), (320, 20947), (324, 20989), (396, 21361),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 50

Candidate Starts for Simielle_32:

(Start: 50 @32062 has 403 MA's), (Start: 80 @32173 has 1 MA's), (96, 32218), (130, 32317), (148, 32377), (161, 32413), (173, 32437), (194, 32482), (196, 32488), (216, 32539), (232, 32578), (233, 32581), (238, 32593), (245, 32608), (276, 32632), (288, 32665), (304, 32746), (314, 32791), (325, 32839), (331, 32875), (334, 32884), (337, 32890), (392, 33115),

Gene: SirBeauregard_33 Start: 32066, Stop: 33226, Start Num: 50

Candidate Starts for SirBeauregard_33:

(Start: 50 @32066 has 403 MA's), (Start: 80 @32177 has 1 MA's), (96, 32222), (130, 32321), (148, 32381), (161, 32417), (173, 32441), (194, 32486), (196, 32492), (216, 32543), (232, 32582), (233, 32585), (238, 32597), (276, 32636), (288, 32669), (304, 32750), (314, 32795), (325, 32843), (331, 32879), (334, 32888), (337, 32894), (392, 33119),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 9

Candidate Starts for SirJeffery_32:

(Start: 9 @32588 has 9 MA's), (10, 32606), (13, 32627), (18, 32681), (29, 32759), (31, 32777), (34, 32792), (36, 32804), (105, 33041), (121, 33092), (128, 33119), (137, 33146), (166, 33233), (169, 33248), (186, 33287), (220, 33377), (245, 33437), (291, 33560), (301, 33599), (306, 33635), (383, 33959), (404, 34079),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 50

Candidate Starts for Skippy_33:

(Start: 50 @32357 has 403 MA's), (Start: 80 @32468 has 1 MA's), (96, 32513), (130, 32612), (148, 32672), (161, 32708), (173, 32732), (194, 32777), (196, 32783), (216, 32834), (232, 32873), (233, 32876), (238, 32888), (276, 32927), (288, 32960), (304, 33041), (314, 33086), (325, 33134), (331, 33170), (334, 33179), (337, 33185), (392, 33410),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 50

Candidate Starts for Slatt_33:

(Start: 50 @32383 has 403 MA's), (Start: 80 @32494 has 1 MA's), (96, 32539), (130, 32638), (148, 32698), (161, 32734), (173, 32758), (194, 32803), (196, 32809), (216, 32860), (232, 32899), (233, 32902), (238, 32914), (276, 32953), (288, 32986), (304, 33067), (314, 33112), (325, 33160), (331, 33196), (334, 33205), (337, 33211), (392, 33436),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 50

Candidate Starts for SlippinJimmy_33:

(Start: 50 @32984 has 403 MA's), (59, 33017), (105, 33161), (108, 33170), (112, 33179), (124, 33218), (127, 33227), (135, 33245), (138, 33263), (142, 33281), (144, 33287), (150, 33299), (156, 33317), (161, 33332), (181, 33365), (191, 33392), (208, 33437), (242, 33518), (253, 33545), (262, 33563), (267, 33581), (284, 33623), (309, 33752), (315, 33761), (329, 33842), (351, 33944), (368, 34001), (371, 34010), (381, 34049), (393, 34121), (402, 34163),

Gene: Smurph_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Smurph_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Snekmaggedon_21 Start: 20006, Stop: 21031, Start Num: 88

Candidate Starts for Snekmaggedon_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075),

(115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654), (329, 20684), (337, 20705), (402, 21008),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 50

Candidate Starts for Snenia_22:

(Start: 50 @22248 has 403 MA's), (79, 22350), (84, 22362), (91, 22380), (94, 22389), (107, 22428), (121, 22464), (124, 22479), (126, 22485), (136, 22515), (137, 22518), (145, 22554), (153, 22566), (173, 22617), (175, 22620), (200, 22680), (212, 22707), (218, 22722), (220, 22728), (223, 22740), (250, 22800), (262, 22824), (284, 22884), (305, 22980), (309, 23013), (327, 23085), (331, 23109), (387, 23337), (389, 23349),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 50

Candidate Starts for Soile_33:

(Start: 50 @32089 has 403 MA's), (Start: 80 @32200 has 1 MA's), (96, 32245), (130, 32344), (148, 32404), (161, 32440), (173, 32464), (194, 32509), (196, 32515), (216, 32566), (232, 32605), (233, 32608), (238, 32620), (276, 32659), (288, 32692), (304, 32773), (314, 32818), (325, 32866), (331, 32902), (334, 32911), (337, 32917), (392, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 50

Candidate Starts for Solosis_32:

(Start: 50 @32084 has 403 MA's), (Start: 80 @32195 has 1 MA's), (96, 32240), (130, 32339), (148, 32399), (161, 32435), (173, 32459), (194, 32504), (196, 32510), (216, 32561), (232, 32600), (233, 32603), (238, 32615), (245, 32630), (276, 32654), (288, 32687), (304, 32768), (314, 32813), (325, 32861), (331, 32897), (334, 32906), (337, 32912), (392, 33137),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 50

Candidate Starts for Sophia_32:

(Start: 50 @32084 has 403 MA's), (Start: 80 @32195 has 1 MA's), (96, 32240), (130, 32339), (148, 32399), (161, 32435), (173, 32459), (194, 32504), (196, 32510), (216, 32561), (232, 32600), (233, 32603), (238, 32615), (276, 32654), (288, 32687), (304, 32768), (314, 32813), (325, 32861), (331, 32897), (334, 32906), (337, 32912), (392, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Soto_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (245, 32923), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 50

Candidate Starts for Spartan300_33:

(Start: 50 @32363 has 403 MA's), (Start: 80 @32474 has 1 MA's), (96, 32519), (130, 32618), (148, 32678), (161, 32714), (173, 32738), (194, 32783), (196, 32789), (216, 32840), (232, 32879), (233, 32882), (238, 32894), (276, 32933), (288, 32966), (304, 33047), (314, 33092), (325, 33140), (331, 33176), (334, 33185), (337, 33191), (392, 33416),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 52

Candidate Starts for SpongeBob_21:

(12, 19640), (17, 19682), (20, 19712), (Start: 23 @19742 has 1 MA's), (32, 19802), (43, 19856), (Start: 52 @19877 has 23 MA's), (74, 19958), (Start: 88 @20006 has 1 MA's), (106, 20066), (109, 20075), (115, 20090), (124, 20114), (134, 20138), (137, 20150), (161, 20225), (165, 20234), (172, 20258), (186, 20288), (244, 20372), (245, 20375), (254, 20396), (304, 20555), (322, 20645), (325, 20654),

(329, 20684), (337, 20705), (402, 21008),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 50

Candidate Starts for Squid_33:

(Start: 50 @32075 has 403 MA's), (Start: 80 @32186 has 1 MA's), (96, 32231), (130, 32330), (148, 32390), (161, 32426), (173, 32450), (194, 32495), (196, 32501), (216, 32552), (232, 32591), (233, 32594), (238, 32606), (276, 32645), (288, 32678), (304, 32759), (314, 32804), (325, 32852), (331, 32888), (334, 32897), (337, 32903), (392, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Squiggle_33:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (245, 32633), (276, 32657), (288, 32690), (304, 32771), (314, 32816), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Squirry_20 Start: 19922, Stop: 21079, Start Num: 51

Candidate Starts for Squirry_20:

(Start: 51 @19922 has 3 MA's), (74, 20003), (Start: 80 @20030 has 1 MA's), (Start: 88 @20051 has 1 MA's), (106, 20111), (115, 20135), (117, 20141), (124, 20159), (129, 20171), (134, 20183), (137, 20195), (145, 20231), (156, 20255), (161, 20270), (165, 20279), (172, 20303), (179, 20318), (186, 20333), (244, 20417), (245, 20420), (254, 20441), (268, 20462), (271, 20471), (276, 20483), (281, 20492), (337, 20753), (346, 20822), (402, 21056),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 50

Candidate Starts for Stargaze_23:

(1, 22495), (4, 22654), (5, 22762), (8, 22864), (39, 23260), (Start: 50 @23284 has 403 MA's), (Start: 80 @23395 has 1 MA's), (87, 23410), (124, 23521), (142, 23584), (148, 23599), (208, 23746), (214, 23761), (234, 23812), (273, 23845), (295, 23908), (303, 23959), (305, 23968), (340, 24136),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 50

Candidate Starts for Stinger_28:

(6, 30657), (7, 30678), (Start: 50 @31182 has 403 MA's), (57, 31209), (Start: 80 @31290 has 1 MA's), (87, 31305), (91, 31317), (96, 31335), (135, 31443), (141, 31476), (144, 31485), (153, 31503), (161, 31530), (174, 31545), (181, 31551), (183, 31557), (194, 31581), (198, 31590), (200, 31599), (214, 31632), (237, 31665), (243, 31677), (245, 31683), (270, 31743), (282, 31755), (284, 31761), (301, 31827), (303, 31851), (305, 31860), (337, 32007), (372, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 9

Candidate Starts for StinkyVeggy_34:

(Start: 9 @32734 has 9 MA's), (13, 32773), (22, 32845), (29, 32905), (31, 32923), (34, 32938), (106, 33190), (116, 33220), (121, 33238), (128, 33265), (137, 33292), (169, 33394), (186, 33433), (191, 33448), (220, 33523), (238, 33568), (242, 33574), (245, 33583), (284, 33679), (301, 33745), (306, 33781), (350, 33994), (383, 34105), (404, 34225),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 50

Candidate Starts for Struggle_32:

(Start: 50 @31925 has 403 MA's), (Start: 80 @32036 has 1 MA's), (96, 32081), (130, 32180), (148, 32240), (161, 32276), (173, 32300), (194, 32345), (196, 32351), (216, 32402), (232, 32441), (233, 32444), (238, 32456), (245, 32471), (276, 32495), (288, 32528), (304, 32609), (325, 32702), (331, 32738), (334, 32747), (337, 32753), (392, 32978),

Gene: Stuck_25 Start: 21224, Stop: 22435, Start Num: 52

Candidate Starts for Stuck_25:

(Start: 52 @21224 has 23 MA's), (74, 21305), (Start: 88 @21353 has 1 MA's), (98, 21383), (106, 21413), (109, 21422), (115, 21437), (117, 21443), (124, 21461), (134, 21485), (137, 21497), (145, 21533), (161, 21572), (165, 21581), (172, 21605), (182, 21626), (186, 21635), (220, 21722), (228, 21743), (244, 21779), (245, 21782), (254, 21803), (276, 21845), (304, 21962), (311, 21998), (314, 22004), (337, 22109),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Suffolk_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 9

Candidate Starts for Suigeneris_32:

(Start: 9 @32591 has 9 MA's), (10, 32609), (13, 32630), (18, 32684), (29, 32762), (31, 32780), (34, 32795), (36, 32807), (105, 33044), (121, 33095), (128, 33122), (137, 33149), (166, 33236), (169, 33251), (186, 33290), (220, 33380), (245, 33440), (291, 33563), (301, 33602), (306, 33638), (383, 33962), (404, 34082),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 50

Candidate Starts for Surely_33:

(Start: 50 @32377 has 403 MA's), (Start: 80 @32488 has 1 MA's), (96, 32533), (130, 32632), (148, 32692), (161, 32728), (173, 32752), (194, 32797), (196, 32803), (216, 32854), (232, 32893), (233, 32896), (238, 32908), (276, 32947), (288, 32980), (304, 33061), (314, 33106), (325, 33154), (331, 33190), (334, 33199), (337, 33205), (392, 33430),

Gene: SwainyDoc_33 Start: 32217, Stop: 33419, Start Num: 50

Candidate Starts for SwainyDoc_33:

(Start: 50 @32217 has 403 MA's), (59, 32250), (105, 32394), (108, 32403), (112, 32412), (124, 32451), (127, 32460), (135, 32478), (138, 32496), (142, 32514), (144, 32520), (150, 32532), (156, 32550), (161, 32565), (181, 32598), (191, 32625), (208, 32670), (242, 32751), (253, 32778), (262, 32796), (267, 32814), (284, 32856), (290, 32880), (306, 32955), (309, 32985), (325, 33045), (327, 33057), (329, 33075), (351, 33177), (381, 33282), (383, 33288), (386, 33306), (401, 33393),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 50

Candidate Starts for Swiphy_34:

(Start: 50 @32372 has 403 MA's), (Start: 80 @32483 has 1 MA's), (96, 32528), (130, 32627), (148, 32687), (161, 32723), (173, 32747), (194, 32792), (196, 32798), (216, 32849), (232, 32888), (233, 32891), (238, 32903), (276, 32942), (288, 32975), (304, 33056), (325, 33149), (331, 33185), (334, 33194), (337, 33200), (392, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 50

Candidate Starts for Swish_33:

(Start: 50 @32360 has 403 MA's), (Start: 80 @32471 has 1 MA's), (96, 32516), (130, 32615), (148, 32675), (161, 32711), (173, 32735), (194, 32780), (196, 32786), (216, 32837), (232, 32876), (233, 32879), (238, 32891), (245, 32906), (276, 32930), (288, 32963), (304, 33044), (314, 33089), (325, 33137), (331, 33173), (334, 33182), (337, 33188), (392, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 50

Candidate Starts for SynergyX_33:

(Start: 50 @32223 has 403 MA's), (59, 32256), (105, 32400), (108, 32409), (112, 32418), (124, 32457), (127, 32466), (135, 32484), (138, 32502), (142, 32520), (144, 32526), (150, 32538), (156, 32556), (161, 32571), (181, 32604), (191, 32631), (208, 32676), (242, 32757), (253, 32784), (262, 32802), (267, 32820), (284, 32862), (290, 32886), (306, 32961), (309, 32991), (325, 33051), (327, 33063), (329, 33081), (351, 33183), (381, 33288), (383, 33294), (386, 33312), (401, 33399),

Gene: TA17A_34 Start: 32678, Stop: 33841, Start Num: 50

Candidate Starts for TA17A_34:

(Start: 47 @32672 has 9 MA's), (Start: 50 @32678 has 403 MA's), (62, 32717), (69, 32747), (Start: 80 @32792 has 1 MA's), (96, 32837), (130, 32936), (148, 32996), (161, 33032), (173, 33056), (194, 33101), (196, 33107), (216, 33158), (232, 33197), (233, 33200), (238, 33212), (276, 33251), (288, 33284), (304, 33365), (314, 33410), (325, 33458), (331, 33494), (334, 33503), (337, 33509), (392, 33734),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 50

Candidate Starts for TallGrassMM_33:

(Start: 50 @31999 has 403 MA's), (Start: 80 @32110 has 1 MA's), (96, 32155), (130, 32254), (148, 32314), (161, 32350), (173, 32374), (194, 32419), (196, 32425), (216, 32476), (232, 32515), (233, 32518), (238, 32530), (245, 32545), (276, 32569), (288, 32602), (304, 32683), (314, 32728), (325, 32776), (331, 32812), (334, 32821), (337, 32827), (392, 33052),

Gene: Tapioca_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Tapioca_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 48

Candidate Starts for Taptic_25:

(Start: 45 @29321 has 2 MA's), (Start: 48 @29324 has 15 MA's), (69, 29393), (91, 29462), (100, 29492), (105, 29504), (107, 29510), (108, 29513), (112, 29522), (124, 29561), (127, 29570), (132, 29582), (148, 29639), (153, 29648), (156, 29660), (161, 29675), (186, 29720), (191, 29735), (208, 29780), (235, 29849), (247, 29876), (259, 29900), (275, 29945), (284, 29966), (290, 29990), (306, 30065), (309, 30095), (325, 30155), (327, 30167), (329, 30185), (351, 30287), (383, 30398), (386, 30416), (397, 30467), (401, 30503),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 50

Candidate Starts for Telesworld_32:

(Start: 50 @32072 has 403 MA's), (Start: 80 @32183 has 1 MA's), (96, 32228), (130, 32327), (148, 32387), (161, 32423), (173, 32447), (194, 32492), (196, 32498), (216, 32549), (232, 32588), (233, 32591), (238, 32603), (276, 32642), (288, 32675), (304, 32756), (314, 32801), (325, 32849), (331, 32885), (334, 32894), (337, 32900), (392, 33125),

Gene: Thonko_30 Start: 29614, Stop: 30771, Start Num: 46

Candidate Starts for Thonko_30:

(38, 29584), (Start: 46 @29614 has 9 MA's), (Start: 80 @29728 has 1 MA's), (121, 29845), (124, 29860), (127, 29869), (135, 29887), (138, 29905), (156, 29959), (198, 30049), (204, 30067), (211, 30085), (303, 30319), (305, 30328), (314, 30370), (332, 30460), (337, 30472),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 50

Candidate Starts for Thora_33:

(Start: 50 @32376 has 403 MA's), (Start: 80 @32487 has 1 MA's), (96, 32532), (130, 32631), (148, 32691), (161, 32727), (173, 32751), (194, 32796), (196, 32802), (216, 32853), (232, 32892), (233, 32895), (238, 32907), (276, 32946), (288, 32979), (304, 33060), (314, 33105), (325, 33153), (331,

33189), (334, 33198), (337, 33204), (392, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for ThreeOh3D2_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 50

Candidate Starts for Thunderbird_32:

(Start: 50 @32080 has 403 MA's), (Start: 80 @32191 has 1 MA's), (96, 32236), (130, 32335), (148, 32395), (161, 32431), (173, 32455), (194, 32500), (196, 32506), (216, 32557), (232, 32596), (233, 32599), (238, 32611), (245, 32626), (276, 32650), (288, 32683), (304, 32764), (325, 32857), (331, 32893), (334, 32902), (337, 32908), (392, 33133),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 50

Candidate Starts for Timmi_32:

(Start: 50 @32085 has 403 MA's), (Start: 80 @32196 has 1 MA's), (96, 32241), (130, 32340), (148, 32400), (161, 32436), (173, 32460), (194, 32505), (196, 32511), (216, 32562), (232, 32601), (233, 32604), (238, 32616), (276, 32655), (288, 32688), (304, 32769), (314, 32814), (325, 32862), (331, 32898), (334, 32907), (337, 32913), (392, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 47

Candidate Starts for Tinciduntolum_34:

(19, 32669), (Start: 47 @32810 has 9 MA's), (Start: 50 @32816 has 403 MA's), (62, 32855), (69, 32885), (Start: 80 @32930 has 1 MA's), (96, 32975), (130, 33074), (148, 33134), (161, 33170), (173, 33194), (194, 33239), (196, 33245), (216, 33296), (232, 33335), (233, 33338), (238, 33350), (245, 33365), (276, 33389), (288, 33422), (304, 33503), (325, 33596), (331, 33632), (334, 33641), (337, 33647), (347, 33707), (392, 33872),

Gene: TinyTerror_33 Start: 32208, Stop: 33410, Start Num: 50

Candidate Starts for TinyTerror_33:

(Start: 50 @32208 has 403 MA's), (105, 32385), (108, 32394), (112, 32403), (124, 32442), (127, 32451), (135, 32469), (148, 32520), (153, 32529), (156, 32541), (158, 32547), (161, 32556), (186, 32601), (191, 32616), (208, 32661), (221, 32700), (235, 32730), (243, 32745), (247, 32757), (259, 32781), (275, 32826), (284, 32847), (290, 32871), (306, 32946), (309, 32976), (325, 33036), (327, 33048), (329, 33066), (351, 33168), (381, 33273), (383, 33279), (386, 33297), (401, 33384),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 50

Candidate Starts for TomBombadil_33:

(Start: 50 @32370 has 403 MA's), (Start: 80 @32481 has 1 MA's), (96, 32526), (130, 32625), (148, 32685), (161, 32721), (173, 32745), (194, 32790), (196, 32796), (216, 32847), (232, 32886), (233, 32889), (238, 32901), (245, 32916), (276, 32940), (288, 32973), (304, 33054), (325, 33147), (331, 33183), (334, 33192), (337, 33198), (392, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 50

Candidate Starts for Tomlarah_33:

(Start: 50 @32361 has 403 MA's), (Start: 80 @32472 has 1 MA's), (96, 32517), (130, 32616), (148, 32676), (161, 32712), (173, 32736), (194, 32781), (196, 32787), (216, 32838), (232, 32877), (233, 32880), (238, 32892), (245, 32907), (276, 32931), (288, 32964), (304, 33045), (314, 33090), (325, 33138), (331, 33174), (334, 33183), (337, 33189), (392, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 50

Candidate Starts for Toni_32:

(Start: 50 @32077 has 403 MA's), (Start: 80 @32188 has 1 MA's), (96, 32233), (130, 32332), (148, 32392), (161, 32428), (173, 32452), (194, 32497), (196, 32503), (216, 32554), (232, 32593), (233, 32596), (238, 32608), (245, 32623), (276, 32647), (288, 32680), (304, 32761), (314, 32806), (325, 32854), (331, 32890), (334, 32899), (337, 32905), (392, 33130),

Gene: TooFast2Furius_34 Start: 32606, Stop: 33766, Start Num: 50

Candidate Starts for TooFast2Furius_34:

(Start: 50 @32606 has 403 MA's), (Start: 80 @32717 has 1 MA's), (96, 32762), (130, 32861), (148, 32921), (161, 32957), (173, 32981), (194, 33026), (196, 33032), (216, 33083), (232, 33122), (233, 33125), (238, 33137), (245, 33152), (276, 33176), (288, 33209), (304, 33290), (314, 33335), (325, 33383), (331, 33419), (334, 33428), (337, 33434), (392, 33659),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 50

Candidate Starts for Tooj_33:

(Start: 50 @32434 has 403 MA's), (Start: 80 @32545 has 1 MA's), (96, 32590), (130, 32689), (148, 32749), (161, 32785), (173, 32809), (194, 32854), (196, 32860), (216, 32911), (232, 32950), (233, 32953), (238, 32965), (276, 33004), (288, 33037), (304, 33118), (314, 33163), (325, 33211), (331, 33247), (334, 33256), (337, 33262), (392, 33487),

Gene: Tortoise12_22 Start: 20223, Stop: 21437, Start Num: 86

Candidate Starts for Tortoise12_22:

(15, 19893), (53, 20091), (Start: 85 @20220 has 6 MA's), (Start: 86 @20223 has 14 MA's), (177, 20484), (245, 20655), (293, 20805), (300, 20844), (320, 20946), (324, 20988), (396, 21360),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 50

Candidate Starts for Tres_33:

(19, 32544), (Start: 47 @32685 has 9 MA's), (Start: 50 @32691 has 403 MA's), (62, 32730), (69, 32760), (Start: 80 @32805 has 1 MA's), (96, 32850), (130, 32949), (148, 33009), (161, 33045), (173, 33069), (194, 33114), (196, 33120), (216, 33171), (232, 33210), (233, 33213), (238, 33225), (245, 33240), (276, 33264), (288, 33297), (304, 33378), (325, 33471), (331, 33507), (334, 33516), (337, 33522), (392, 33747),

Gene: TriFive_22 Start: 22247, Stop: 23464, Start Num: 50

Candidate Starts for TriFive_22:

(Start: 50 @22247 has 403 MA's), (79, 22349), (84, 22361), (91, 22379), (94, 22388), (107, 22427), (121, 22463), (124, 22478), (126, 22484), (136, 22514), (137, 22517), (145, 22553), (153, 22565), (173, 22616), (175, 22619), (200, 22679), (212, 22706), (218, 22721), (220, 22727), (223, 22739), (250, 22799), (262, 22823), (284, 22883), (305, 22979), (309, 23012), (327, 23084), (331, 23108), (387, 23336), (389, 23348),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 50

Candidate Starts for True_32:

(Start: 50 @32074 has 403 MA's), (Start: 80 @32185 has 1 MA's), (96, 32230), (130, 32329), (148, 32389), (161, 32425), (173, 32449), (194, 32494), (196, 32500), (216, 32551), (232, 32590), (233, 32593), (238, 32605), (245, 32620), (276, 32644), (288, 32677), (304, 32758), (314, 32803), (325, 32851), (331, 32887), (334, 32896), (337, 32902), (392, 33127),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 50

Candidate Starts for Trypo_33:

(Start: 50 @32370 has 403 MA's), (Start: 80 @32481 has 1 MA's), (96, 32526), (130, 32625), (148, 32685), (161, 32721), (173, 32745), (194, 32790), (196, 32796), (216, 32847), (232, 32886), (233,

32889), (238, 32901), (245, 32916), (276, 32940), (288, 32973), (304, 33054), (314, 33099), (325, 33147), (331, 33183), (334, 33192), (337, 33198), (392, 33423),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 50

Candidate Starts for Tydolla_33:

(Start: 50 @32957 has 403 MA's), (59, 32990), (105, 33134), (108, 33143), (112, 33152), (124, 33191), (127, 33200), (135, 33218), (148, 33269), (153, 33278), (156, 33290), (158, 33296), (161, 33305), (186, 33350), (191, 33365), (208, 33410), (221, 33449), (235, 33479), (243, 33494), (247, 33506), (259, 33530), (275, 33575), (284, 33596), (290, 33620), (306, 33695), (309, 33725), (325, 33785), (327, 33797), (329, 33815), (351, 33917), (381, 34022), (383, 34028), (386, 34046), (401, 34133),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 50

Candidate Starts for TyrionL_32:

(Start: 50 @31933 has 403 MA's), (Start: 80 @32044 has 1 MA's), (96, 32089), (130, 32188), (148, 32248), (161, 32284), (173, 32308), (194, 32353), (196, 32359), (216, 32410), (232, 32449), (233, 32452), (238, 32464), (245, 32479), (276, 32503), (288, 32536), (304, 32617), (314, 32662), (325, 32710), (331, 32746), (334, 32755), (337, 32761), (392, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Tyson_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 50

Candidate Starts for UAch1_33:

(Start: 50 @32383 has 403 MA's), (Start: 80 @32494 has 1 MA's), (96, 32539), (130, 32638), (148, 32698), (161, 32734), (173, 32758), (194, 32803), (196, 32809), (216, 32860), (232, 32899), (233, 32902), (238, 32914), (276, 32953), (288, 32986), (304, 33067), (314, 33112), (325, 33160), (331, 33196), (334, 33205), (337, 33211), (392, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 48

Candidate Starts for UPIE_21:

(Start: 48 @21683 has 15 MA's), (Start: 50 @21686 has 403 MA's), (Start: 88 @21812 has 1 MA's), (103, 21854), (107, 21866), (108, 21869), (121, 21902), (123, 21914), (138, 21962), (142, 21980), (156, 22016), (161, 22031), (189, 22082), (199, 22112), (215, 22154), (224, 22178), (266, 22214), (267, 22220), (277, 22247), (284, 22265), (306, 22358), (307, 22361), (323, 22445), (354, 22583), (360, 22601), (381, 22685),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 50

Candidate Starts for UncleHowie_33:

(Start: 50 @32073 has 403 MA's), (Start: 80 @32184 has 1 MA's), (96, 32229), (130, 32328), (148, 32388), (161, 32424), (173, 32448), (194, 32493), (196, 32499), (216, 32550), (232, 32589), (233, 32592), (238, 32604), (245, 32619), (276, 32643), (288, 32676), (304, 32757), (314, 32802), (325, 32850), (331, 32886), (334, 32895), (337, 32901), (392, 33126),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Usavi_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325,

33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 50

Candidate Starts for Vaishali24_32:

(Start: 50 @32035 has 403 MA's), (Start: 80 @32146 has 1 MA's), (96, 32191), (130, 32290), (148, 32350), (161, 32386), (173, 32410), (194, 32455), (196, 32461), (216, 32512), (232, 32551), (233, 32554), (238, 32566), (276, 32605), (288, 32638), (304, 32719), (314, 32764), (325, 32812), (331, 32848), (334, 32857), (337, 32863), (392, 33088),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 50

Candidate Starts for Valjean_33:

(Start: 50 @32366 has 403 MA's), (Start: 80 @32477 has 1 MA's), (96, 32522), (130, 32621), (148, 32681), (161, 32717), (173, 32741), (194, 32786), (196, 32792), (216, 32843), (232, 32882), (233, 32885), (238, 32897), (276, 32936), (288, 32969), (304, 33050), (314, 33095), (325, 33143), (331, 33179), (334, 33188), (337, 33194), (392, 33419),

Gene: Vanisoa_31 Start: 24621, Stop: 25826, Start Num: 49

Candidate Starts for Vanisoa_31:

(Start: 49 @24621 has 2 MA's), (100, 24786), (105, 24798), (107, 24804), (108, 24807), (140, 24909), (153, 24942), (186, 25014), (194, 25038), (204, 25062), (236, 25146), (304, 25353), (305, 25356), (309, 25389), (337, 25500), (374, 25656),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 50

Candidate Starts for Vaticameos_33:

(Start: 50 @32064 has 403 MA's), (Start: 80 @32175 has 1 MA's), (96, 32220), (130, 32319), (148, 32379), (161, 32415), (173, 32439), (194, 32484), (196, 32490), (216, 32541), (232, 32580), (233, 32583), (238, 32595), (245, 32610), (276, 32634), (288, 32667), (304, 32748), (314, 32793), (325, 32841), (331, 32877), (334, 32886), (337, 32892), (392, 33117),

Gene: Velveteen_20 Start: 20087, Stop: 21244, Start Num: 48

Candidate Starts for Velveteen_20:

(Start: 48 @20087 has 15 MA's), (Start: 52 @20090 has 23 MA's), (Start: 88 @20219 has 1 MA's), (98, 20249), (106, 20279), (109, 20288), (115, 20303), (124, 20327), (134, 20351), (137, 20363), (161, 20438), (165, 20447), (172, 20471), (186, 20501), (244, 20585), (245, 20588), (254, 20609), (322, 20858), (325, 20867), (329, 20897), (337, 20918), (346, 20987), (402, 21221),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 50

Candidate Starts for Veritas_32:

(Start: 50 @31936 has 403 MA's), (Start: 80 @32047 has 1 MA's), (96, 32092), (130, 32191), (148, 32251), (161, 32287), (173, 32311), (194, 32356), (196, 32362), (216, 32413), (232, 32452), (233, 32455), (238, 32467), (276, 32506), (288, 32539), (304, 32620), (325, 32713), (331, 32749), (334, 32758), (337, 32764), (392, 32989),

Gene: Vic9_00033 Start: 33132, Stop: 34337, Start Num: 48

Candidate Starts for Vic9_00033:

(21, 32988), (Start: 45 @33129 has 2 MA's), (Start: 48 @33132 has 15 MA's), (69, 33201), (91, 33270), (100, 33300), (105, 33312), (107, 33318), (108, 33321), (112, 33330), (124, 33369), (127, 33378), (132, 33390), (148, 33447), (153, 33456), (156, 33468), (161, 33483), (186, 33528), (191, 33543), (208, 33588), (235, 33657), (247, 33684), (259, 33708), (277, 33756), (280, 33762), (284, 33774), (290, 33798), (306, 33873), (309, 33903), (325, 33963), (327, 33975), (329, 33993), (350, 34092), (351, 34095), (381, 34200), (383, 34206), (393, 34272), (397, 34275),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 50

Candidate Starts for Vincenzo_31:

(Start: 50 @33326 has 403 MA's), (76, 33419), (Start: 80 @33434 has 1 MA's), (87, 33449), (91, 33461), (96, 33479), (127, 33569), (141, 33620), (144, 33629), (153, 33647), (161, 33674), (174, 33689), (181, 33695), (183, 33701), (198, 33734), (200, 33743), (214, 33776), (237, 33809), (243, 33821), (257, 33854), (263, 33869), (282, 33899), (284, 33905), (301, 33971), (303, 33995), (305, 34004), (337, 34151), (372, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 50

Candidate Starts for VioletZ_30:

(Start: 50 @32678 has 403 MA's), (76, 32771), (Start: 80 @32786 has 1 MA's), (87, 32801), (91, 32813), (96, 32831), (113, 32873), (127, 32921), (141, 32972), (144, 32981), (153, 32999), (161, 33026), (174, 33041), (181, 33047), (183, 33053), (186, 33059), (198, 33086), (200, 33095), (214, 33128), (237, 33161), (263, 33221), (282, 33251), (284, 33257), (295, 33302), (305, 33356), (306, 33359), (337, 33503), (372, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 50

Candidate Starts for Virapocalypse_33:

(Start: 50 @32361 has 403 MA's), (Start: 80 @32472 has 1 MA's), (96, 32517), (130, 32616), (148, 32676), (161, 32712), (173, 32736), (194, 32781), (196, 32787), (216, 32838), (232, 32877), (233, 32880), (238, 32892), (276, 32931), (288, 32964), (304, 33045), (314, 33090), (325, 33138), (331, 33174), (334, 33183), (337, 33189), (392, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 50

Candidate Starts for Virgeve_32:

(Start: 50 @32141 has 403 MA's), (Start: 80 @32252 has 1 MA's), (96, 32297), (130, 32396), (148, 32456), (161, 32492), (173, 32516), (194, 32561), (196, 32567), (216, 32618), (232, 32657), (233, 32660), (238, 32672), (276, 32711), (288, 32744), (304, 32825), (314, 32870), (325, 32918), (331, 32954), (334, 32963), (337, 32969), (392, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 50

Candidate Starts for Vista_33:

(Start: 50 @32374 has 403 MA's), (Start: 80 @32485 has 1 MA's), (96, 32530), (130, 32629), (148, 32689), (161, 32725), (173, 32749), (194, 32794), (196, 32800), (216, 32851), (232, 32890), (233, 32893), (238, 32905), (245, 32920), (276, 32944), (288, 32977), (304, 33058), (314, 33103), (325, 33151), (331, 33187), (334, 33196), (337, 33202), (392, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 50

Candidate Starts for Vivaldi_33:

(Start: 50 @32403 has 403 MA's), (Start: 80 @32514 has 1 MA's), (96, 32559), (130, 32658), (148, 32718), (161, 32754), (173, 32778), (194, 32823), (196, 32829), (216, 32880), (232, 32919), (233, 32922), (238, 32934), (276, 32973), (288, 33006), (304, 33087), (314, 33132), (325, 33180), (331, 33216), (334, 33225), (337, 33231), (392, 33456),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 50

Candidate Starts for Vortex_33:

(Start: 50 @32080 has 403 MA's), (Start: 80 @32191 has 1 MA's), (96, 32236), (130, 32335), (148, 32395), (161, 32431), (173, 32455), (194, 32500), (196, 32506), (216, 32557), (232, 32596), (233, 32599), (238, 32611), (276, 32650), (288, 32683), (304, 32764), (314, 32809), (325, 32857), (331, 32893), (334, 32902), (337, 32908), (392, 33133),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 50

Candidate Starts for Waleliano_30:

(Start: 50 @32605 has 403 MA's), (76, 32698), (Start: 80 @32713 has 1 MA's), (87, 32728), (91, 32740), (96, 32758), (113, 32800), (141, 32899), (144, 32908), (153, 32926), (161, 32953), (174, 32968), (181, 32974), (183, 32980), (186, 32986), (198, 33013), (200, 33022), (214, 33055), (237, 33088), (263, 33148), (282, 33178), (284, 33184), (289, 33205), (295, 33229), (305, 33283), (306, 33286), (372, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 50

Candidate Starts for Wallhey_32:

(Start: 50 @31937 has 403 MA's), (Start: 80 @32048 has 1 MA's), (96, 32093), (130, 32192), (148, 32252), (161, 32288), (173, 32312), (194, 32357), (196, 32363), (216, 32414), (232, 32453), (233, 32456), (238, 32468), (245, 32483), (276, 32507), (288, 32540), (304, 32621), (314, 32666), (325, 32714), (331, 32750), (334, 32759), (337, 32765), (392, 32990),

Gene: Wamburgxpress_21 Start: 21701, Stop: 22873, Start Num: 50

Candidate Starts for Wamburgxpress_21:

(Start: 48 @21698 has 15 MA's), (Start: 50 @21701 has 403 MA's), (Start: 88 @21827 has 1 MA's), (103, 21869), (107, 21881), (108, 21884), (121, 21917), (123, 21929), (138, 21977), (142, 21995), (156, 22031), (161, 22046), (189, 22097), (199, 22127), (215, 22169), (224, 22193), (266, 22229), (267, 22235), (277, 22262), (284, 22280), (306, 22373), (307, 22376), (323, 22460), (354, 22598), (360, 22616), (381, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 50

Candidate Starts for Waterdiva_33:

(Start: 50 @32366 has 403 MA's), (Start: 80 @32477 has 1 MA's), (96, 32522), (130, 32621), (148, 32681), (161, 32717), (173, 32741), (194, 32786), (196, 32792), (216, 32843), (232, 32882), (233, 32885), (238, 32897), (245, 32912), (276, 32936), (288, 32969), (304, 33050), (314, 33095), (325, 33143), (331, 33179), (334, 33188), (337, 33194), (392, 33419),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 50

Candidate Starts for Weher20_33:

(Start: 50 @32365 has 403 MA's), (Start: 80 @32476 has 1 MA's), (96, 32521), (130, 32620), (148, 32680), (161, 32716), (173, 32740), (194, 32785), (196, 32791), (216, 32842), (232, 32881), (233, 32884), (238, 32896), (276, 32935), (288, 32968), (304, 33049), (325, 33142), (331, 33178), (334, 33187), (337, 33193), (392, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 50

Candidate Starts for West99_33:

(19, 32664), (Start: 47 @32805 has 9 MA's), (Start: 50 @32811 has 403 MA's), (62, 32850), (69, 32880), (Start: 80 @32925 has 1 MA's), (96, 32970), (130, 33069), (148, 33129), (161, 33165), (173, 33189), (194, 33234), (196, 33240), (216, 33291), (232, 33330), (233, 33333), (238, 33345), (245, 33360), (276, 33384), (288, 33417), (304, 33498), (314, 33543), (325, 33591), (331, 33627), (334, 33636), (337, 33642), (392, 33867),

Gene: Whirlwind_23 Start: 22004, Stop: 23203, Start Num: 50

Candidate Starts for Whirlwind_23:

(Start: 50 @22004 has 403 MA's), (91, 22136), (107, 22184), (122, 22229), (124, 22235), (136, 22271), (145, 22310), (150, 22316), (153, 22322), (168, 22364), (200, 22436), (220, 22484), (223, 22496), (226, 22502), (256, 22571), (284, 22640), (304, 22733), (309, 22769), (323, 22823), (327, 22841), (374, 23033), (395, 23141),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 50

Candidate Starts for Windsor_32:

(Start: 50 @32070 has 403 MA's), (Start: 80 @32181 has 1 MA's), (96, 32226), (130, 32325), (148, 32385), (161, 32421), (173, 32445), (194, 32490), (196, 32496), (216, 32547), (232, 32586), (233, 32589), (238, 32601), (276, 32640), (288, 32673), (304, 32754), (314, 32799), (325, 32847), (331, 32883), (334, 32892), (337, 32898), (392, 33123),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 50

Candidate Starts for Wyatt2_21:

(Start: 48 @21685 has 15 MA's), (Start: 50 @21688 has 403 MA's), (Start: 88 @21814 has 1 MA's), (103, 21856), (107, 21868), (108, 21871), (121, 21904), (123, 21916), (138, 21964), (142, 21982), (156, 22018), (161, 22033), (189, 22084), (199, 22114), (215, 22156), (224, 22180), (266, 22216), (267, 22222), (277, 22249), (284, 22267), (306, 22360), (307, 22363), (323, 22447), (354, 22585), (360, 22603), (381, 22687),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 50

Candidate Starts for Xavier_32:

(Start: 50 @32087 has 403 MA's), (Start: 80 @32198 has 1 MA's), (96, 32243), (130, 32342), (148, 32402), (161, 32438), (173, 32462), (194, 32507), (196, 32513), (216, 32564), (232, 32603), (233, 32606), (238, 32618), (276, 32657), (288, 32690), (304, 32771), (325, 32864), (331, 32900), (334, 32909), (337, 32915), (392, 33140),

Gene: Xerxes_22 Start: 20220, Stop: 21434, Start Num: 86

Candidate Starts for Xerxes_22:

(15, 19890), (53, 20088), (Start: 85 @20217 has 6 MA's), (Start: 86 @20220 has 14 MA's), (177, 20481), (245, 20652), (293, 20802), (300, 20841), (320, 20943), (324, 20985), (396, 21357),

Gene: Xincheng_29 Start: 32060, Stop: 33217, Start Num: 50

Candidate Starts for Xincheng_29:

(Start: 50 @32060 has 403 MA's), (76, 32153), (Start: 80 @32168 has 1 MA's), (87, 32183), (91, 32195), (96, 32213), (105, 32237), (113, 32255), (117, 32270), (141, 32354), (144, 32363), (153, 32381), (174, 32423), (181, 32429), (183, 32435), (186, 32441), (198, 32468), (200, 32477), (214, 32510), (237, 32543), (245, 32561), (263, 32603), (282, 32633), (284, 32639), (305, 32738), (306, 32741), (328, 32852), (337, 32885), (372, 33038), (379, 33062), (381, 33074),

Gene: Xula_21 Start: 20946, Stop: 22157, Start Num: 52

Candidate Starts for Xula_21:

(Start: 52 @20946 has 23 MA's), (58, 20970), (74, 21027), (Start: 88 @21075 has 1 MA's), (106, 21135), (109, 21144), (115, 21159), (124, 21183), (134, 21207), (137, 21219), (145, 21255), (161, 21294), (165, 21303), (172, 21327), (186, 21357), (219, 21441), (220, 21444), (228, 21465), (244, 21501), (245, 21504), (254, 21525), (276, 21567), (304, 21684), (311, 21720), (314, 21726), (337, 21831), (352, 21912),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 50

Candidate Starts for Yahalom_33:

(Start: 50 @32232 has 403 MA's), (59, 32265), (105, 32409), (108, 32418), (112, 32427), (124, 32466), (127, 32475), (135, 32493), (138, 32511), (142, 32529), (144, 32535), (150, 32547), (156, 32565), (161, 32580), (181, 32613), (191, 32640), (208, 32685), (242, 32766), (253, 32793), (262, 32811), (267, 32829), (284, 32871), (309, 33000), (329, 33090), (351, 33192), (368, 33249), (371, 33258), (381, 33297), (393, 33369), (402, 33411),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 50

Candidate Starts for Yinz_33:

(Start: 50 @32255 has 403 MA's), (59, 32288), (105, 32432), (108, 32441), (112, 32450), (124, 32489), (127, 32498), (135, 32516), (138, 32534), (142, 32552), (144, 32558), (150, 32570), (156, 32588),

(161, 32603), (181, 32636), (191, 32663), (208, 32708), (242, 32789), (253, 32816), (262, 32834), (267, 32852), (284, 32894), (309, 33023), (315, 33032), (329, 33113), (351, 33215), (368, 33272), (371, 33281), (381, 33320), (393, 33392), (402, 33434),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 50

Candidate Starts for Yoshand_33:

(Start: 50 @32373 has 403 MA's), (Start: 80 @32484 has 1 MA's), (96, 32529), (130, 32628), (148, 32688), (161, 32724), (173, 32748), (194, 32793), (196, 32799), (216, 32850), (232, 32889), (233, 32892), (238, 32904), (245, 32919), (276, 32943), (288, 32976), (304, 33057), (314, 33102), (325, 33150), (331, 33186), (334, 33195), (337, 33201), (392, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 50

Candidate Starts for YouGoGlencoco_33:

(Start: 50 @32368 has 403 MA's), (Start: 80 @32479 has 1 MA's), (96, 32524), (130, 32623), (148, 32683), (161, 32719), (173, 32743), (194, 32788), (196, 32794), (216, 32845), (232, 32884), (233, 32887), (238, 32899), (245, 32914), (276, 32938), (288, 32971), (304, 33052), (314, 33097), (325, 33145), (331, 33181), (334, 33190), (337, 33196), (392, 33421),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 50

Candidate Starts for Zaider_34:

(Start: 50 @32598 has 403 MA's), (Start: 80 @32709 has 1 MA's), (96, 32754), (130, 32853), (148, 32913), (161, 32949), (173, 32973), (194, 33018), (196, 33024), (216, 33075), (232, 33114), (233, 33117), (238, 33129), (245, 33144), (276, 33168), (288, 33201), (304, 33282), (314, 33327), (325, 33375), (331, 33411), (334, 33420), (337, 33426), (392, 33651),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 50

Candidate Starts for Zaria_21:

(Start: 48 @21699 has 15 MA's), (Start: 50 @21702 has 403 MA's), (Start: 88 @21828 has 1 MA's), (103, 21870), (107, 21882), (108, 21885), (121, 21918), (123, 21930), (126, 21939), (138, 21978), (142, 21996), (156, 22032), (161, 22047), (189, 22098), (199, 22128), (215, 22170), (224, 22194), (266, 22230), (267, 22236), (277, 22263), (284, 22281), (306, 22374), (307, 22377), (323, 22461), (354, 22599), (360, 22617), (381, 22701),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 50

Candidate Starts for Zelda_33:

(Start: 50 @32415 has 403 MA's), (Start: 80 @32526 has 1 MA's), (96, 32571), (130, 32670), (148, 32730), (161, 32766), (173, 32790), (194, 32835), (196, 32841), (216, 32892), (232, 32931), (233, 32934), (238, 32946), (276, 32985), (288, 33018), (304, 33099), (314, 33144), (325, 33192), (331, 33228), (334, 33237), (337, 33243), (392, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 50

Candidate Starts for Zemanar_31:

(Start: 50 @32608 has 403 MA's), (76, 32701), (Start: 80 @32716 has 1 MA's), (87, 32731), (91, 32743), (96, 32761), (113, 32803), (141, 32902), (144, 32911), (153, 32929), (161, 32956), (174, 32971), (181, 32977), (183, 32983), (186, 32989), (198, 33016), (200, 33025), (214, 33058), (237, 33091), (263, 33151), (282, 33181), (284, 33187), (295, 33232), (305, 33286), (306, 33289), (337, 33433), (372, 33586),

Gene: Zenteno07_35 Start: 31167, Stop: 32306, Start Num: 44

Candidate Starts for Zenteno07_35:

(14, 30954), (Start: 44 @31167 has 1 MA's), (58, 31209), (73, 31257), (Start: 80 @31287 has 1 MA's), (90, 31308), (109, 31368), (124, 31416), (125, 31419), (127, 31425), (136, 31452), (141, 31476), (144, 31485), (163, 31536), (216, 31656), (222, 31674), (306, 31860), (316, 31905), (332, 31989), (337,

32001), (342, 32040), (362, 32118),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 50

Candidate Starts for Zonia_33:

(Start: 50 @32387 has 403 MA's), (Start: 80 @32498 has 1 MA's), (96, 32543), (130, 32642), (148, 32702), (161, 32738), (173, 32762), (194, 32807), (196, 32813), (216, 32864), (232, 32903), (233, 32906), (238, 32918), (245, 32933), (276, 32957), (288, 32990), (304, 33071), (314, 33116), (325, 33164), (331, 33200), (334, 33209), (337, 33215), (392, 33440),